

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120224\  
 Data File : VY020489.D  
 Acq On : 02 Dec 2024 16:44  
 Operator : SY/MD  
 Sample : P5026-08  
 Misc : 7.29g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-1-HAM-GRAB

Quant Time: Dec 02 21:58:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 02 14:47:59 2024  
 Response via : Initial Calibration

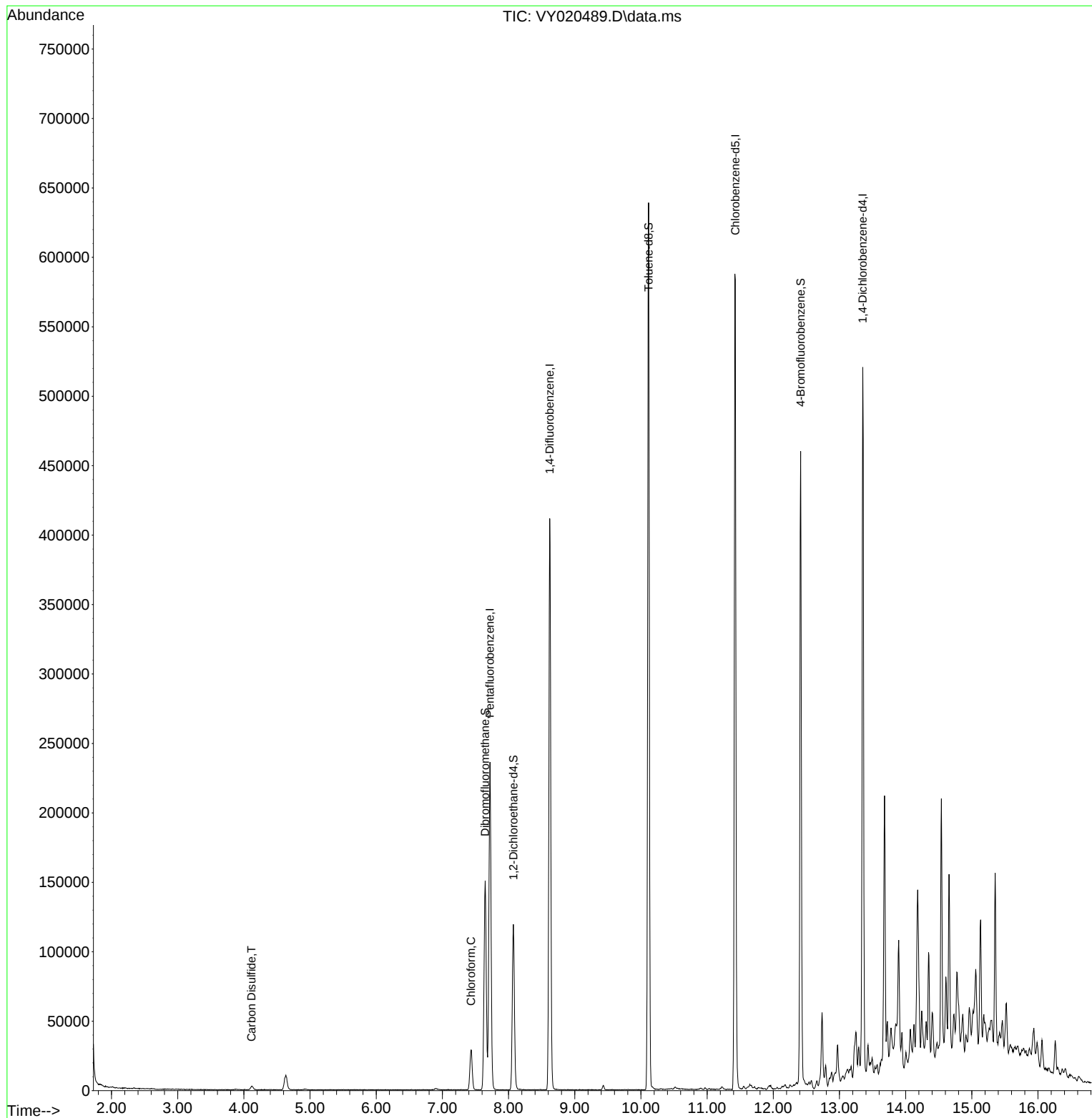
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.719  | 168   | 173047   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.621  | 114   | 342399   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.426 | 117   | 313778   | 50.000   | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 120979   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 97815    | 55.579   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 111.160% |
| 35) Dibromofluoromethane    | 7.646  | 113   | 105910   | 49.133   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.260%  |
| 50) Toluene-d8              | 10.115 | 98    | 412107   | 50.208   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 100.420% |
| 62) 4-Bromofluorobenzene    | 12.413 | 95    | 133872   | 46.634   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 93.260%  |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 17) Carbon Disulfide        | 4.116  | 76    | 5589     | 1.087    | ug/l  | 100      |
| 30) Chloroform              | 7.433  | 83    | 28421    | 7.220    | ug/l  | 99       |
| -----                       |        |       |          |          |       |          |

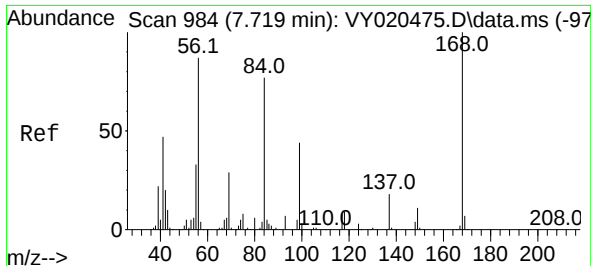
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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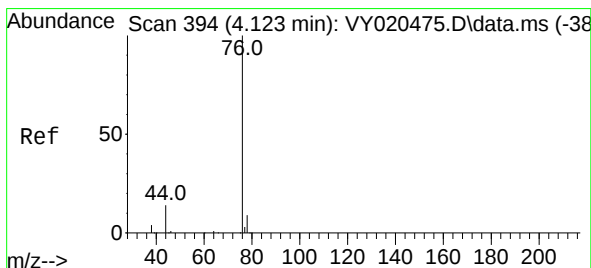
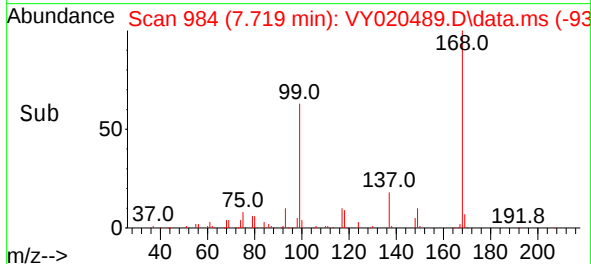
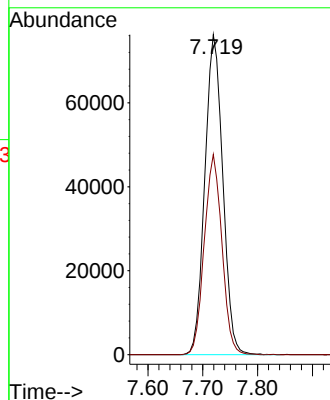
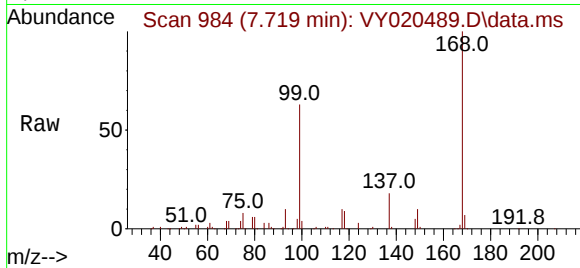




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020489.D  
Acq: 02 Dec 2024 16:44

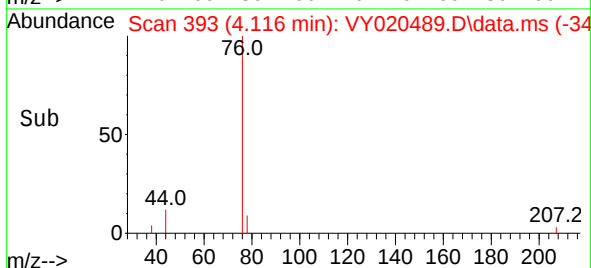
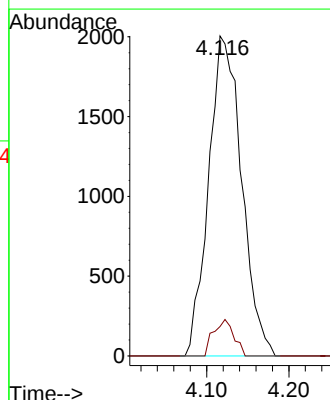
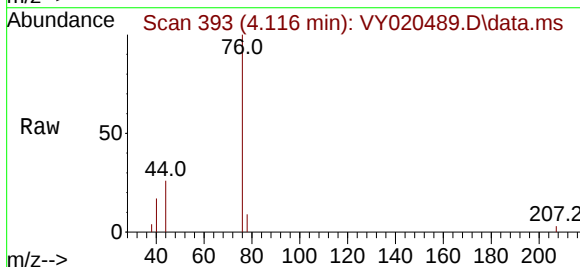
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-1-HAM-GRAB

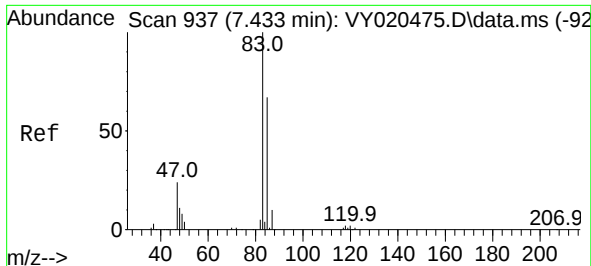
Tgt Ion:168 Resp: 173047  
Ion Ratio Lower Upper  
168 100  
99 62.5 46.6 69.8



#17  
Carbon Disulfide  
Concen: 1.087 ug/l  
RT: 4.116 min Scan# 393  
Delta R.T. 0.006 min  
Lab File: VY020489.D  
Acq: 02 Dec 2024 16:44

Tgt Ion: 76 Resp: 5589  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9





#30

Chloroform

Concen: 7.220 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.012 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

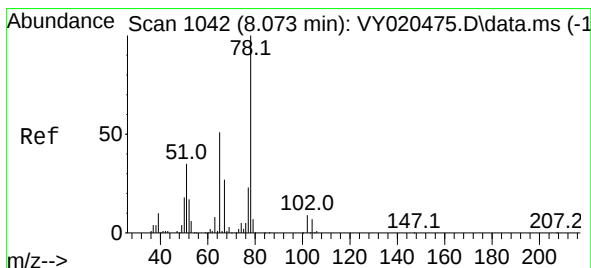
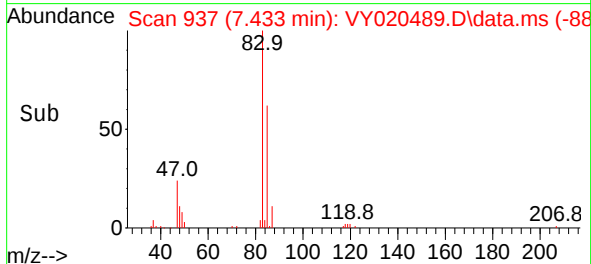
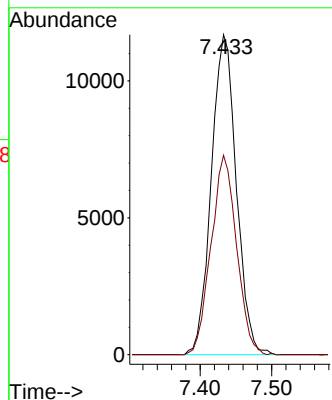
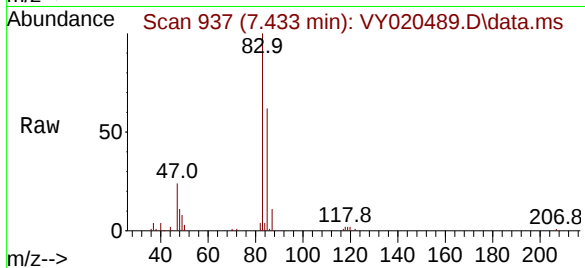
SOIL-1-HAM-GRAB

Tgt Ion: 83 Resp: 28421

Ion Ratio Lower Upper

83 100

85 62.3 50.3 75.5



#33

1,2-Dichloroethane-d4

Concen: 55.579 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY020489.D

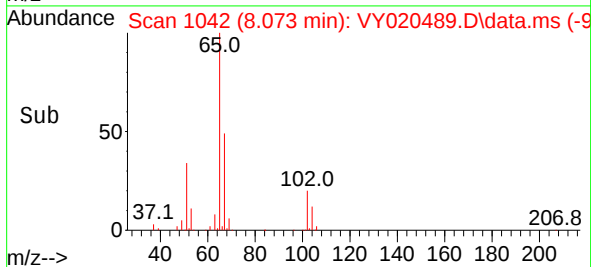
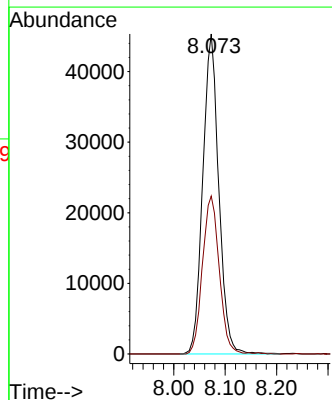
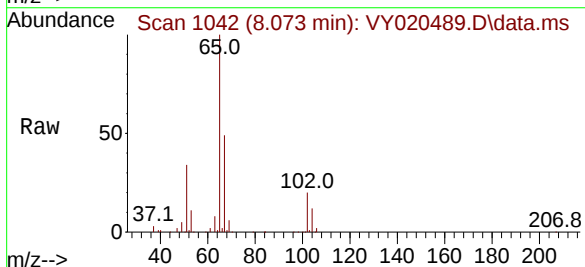
Acq: 02 Dec 2024 16:44

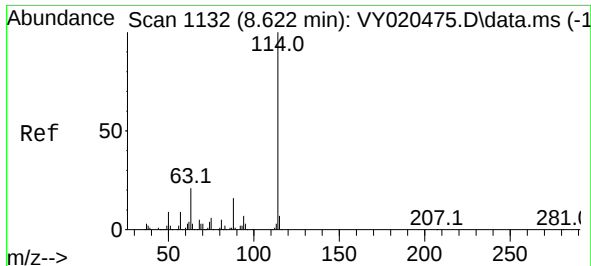
Tgt Ion: 65 Resp: 97815

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-1-HAM-GRAB

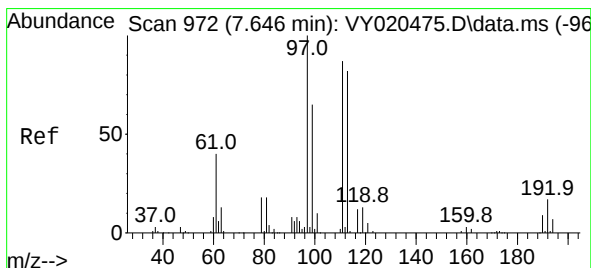
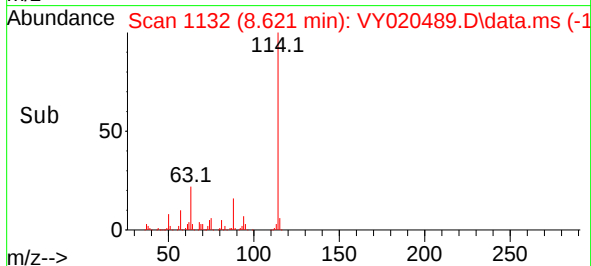
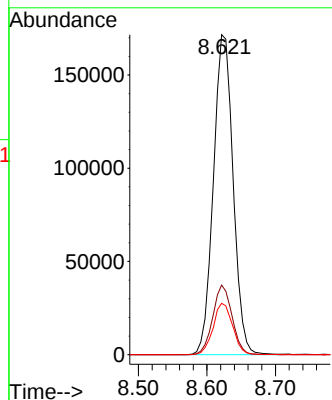
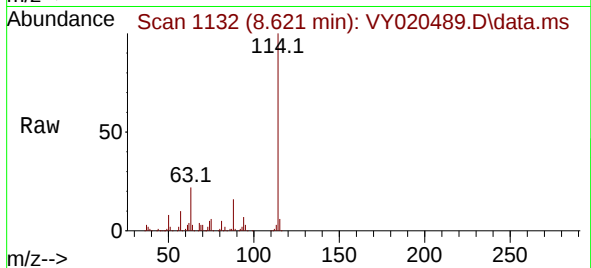
Tgt Ion:114 Resp: 342399

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.8

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.133 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

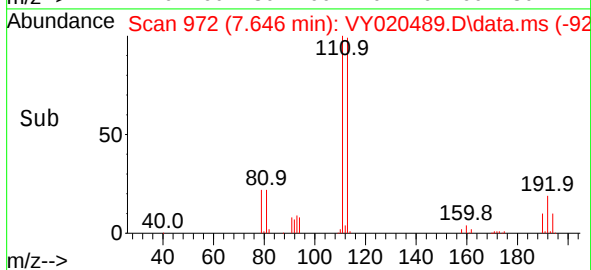
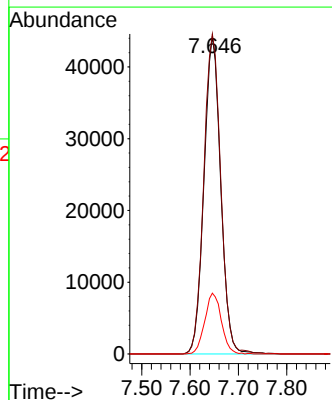
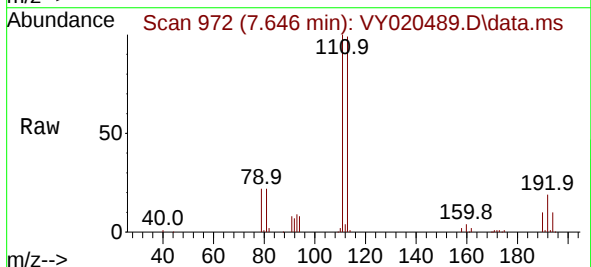
Tgt Ion:113 Resp: 105910

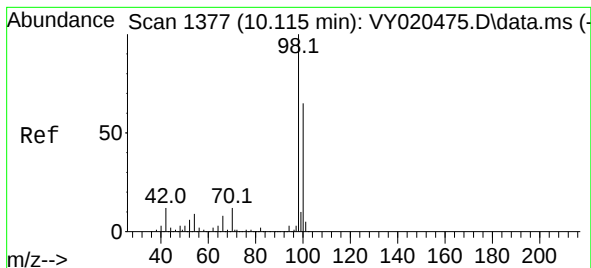
Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 19.1 15.1 22.7





#50

Toluene-d8

Concen: 50.208 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

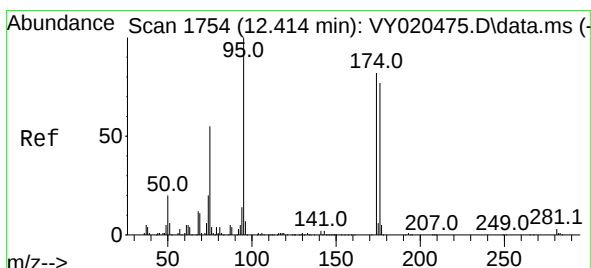
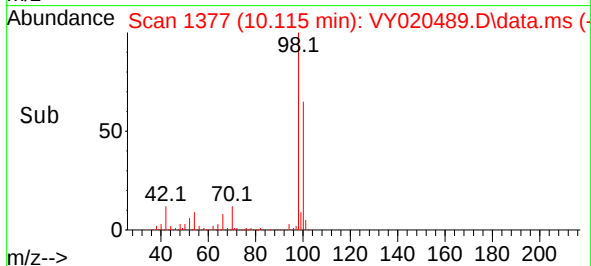
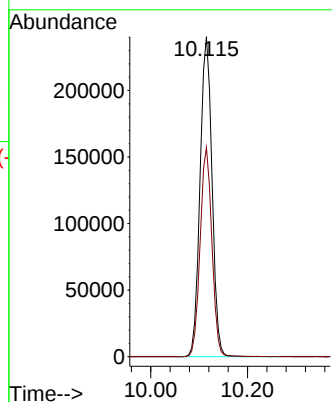
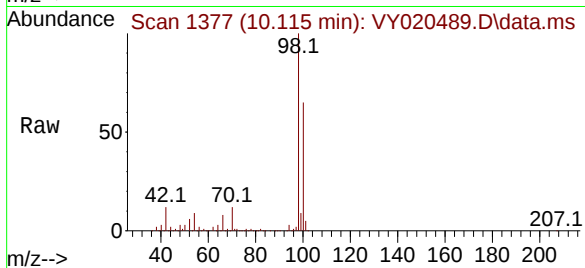
SOIL-1-HAM-GRAB

Tgt Ion: 98 Resp: 412107

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 46.634 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. 0.012 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

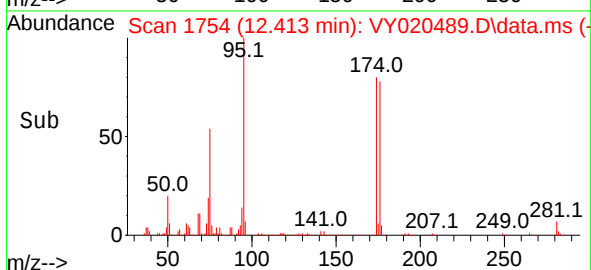
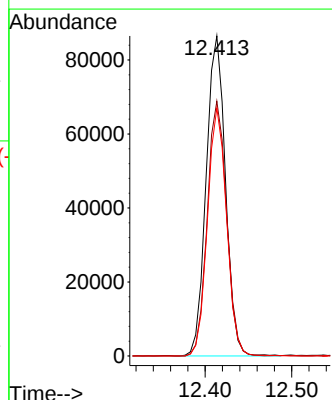
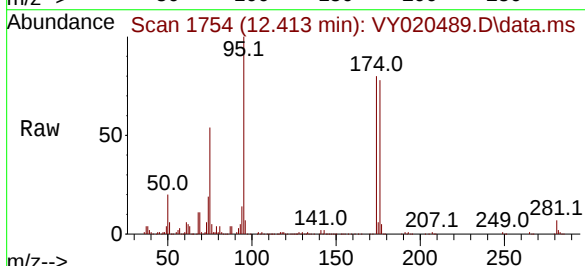
Tgt Ion: 95 Resp: 133872

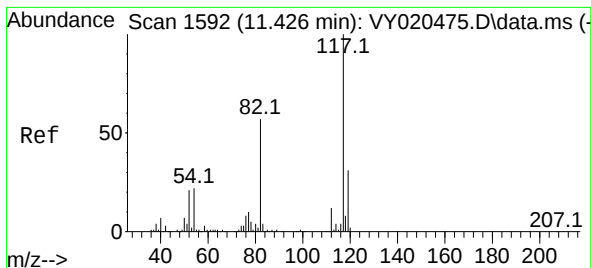
Ion Ratio Lower Upper

95 100

174 80.0 0.0 156.8

176 76.6 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.012 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-1-HAM-GRAB

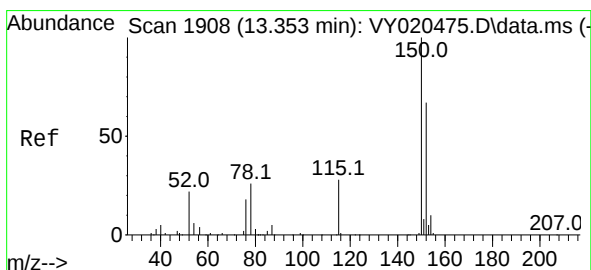
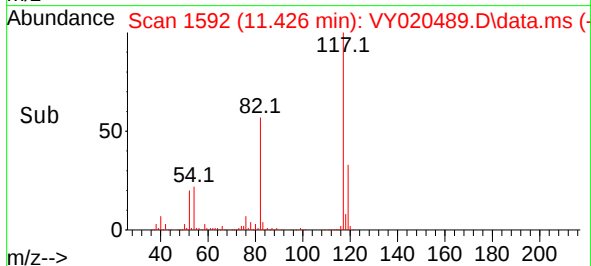
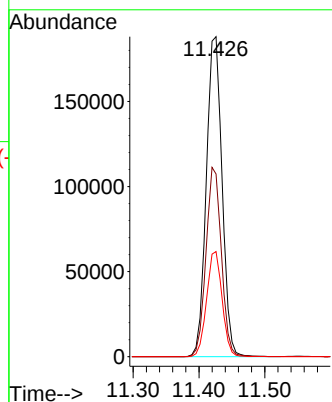
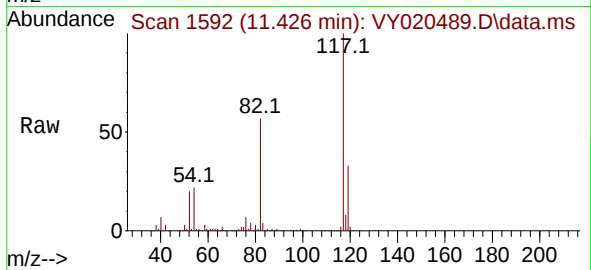
Tgt Ion:117 Resp: 313778

Ion Ratio Lower Upper

117 100

82 57.1 48.2 72.4

119 32.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020489.D

Acq: 02 Dec 2024 16:44

Tgt Ion:152 Resp: 120979

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 157.4 0.0 348.2

