

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111721\  
 Data File : VY006789.D  
 Acq On : 17 Nov 2021 15:31  
 Operator : SY/MD  
 Sample : M4674-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MF-SOIL-P1

Quant Time: Nov 18 03:02:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

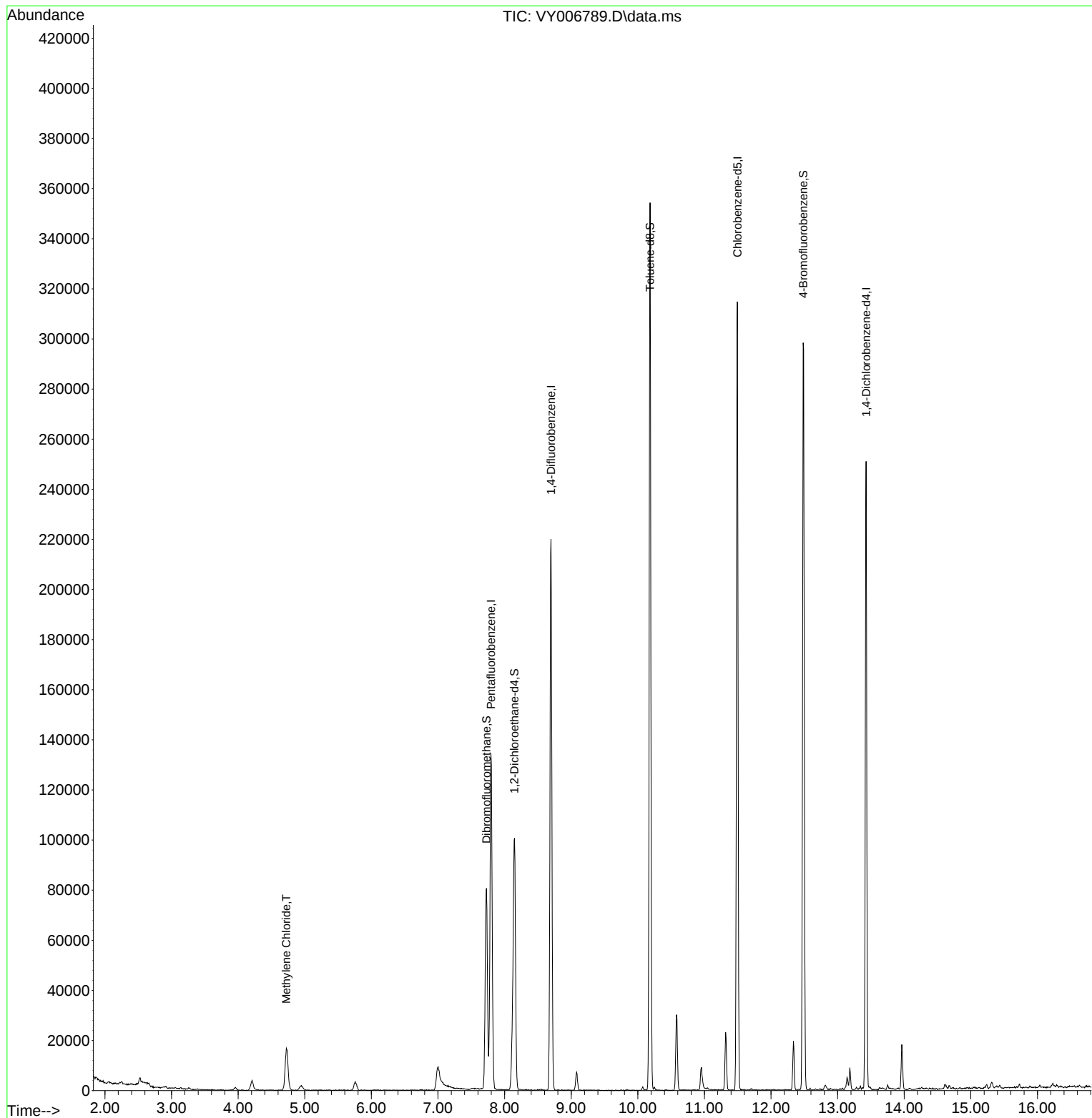
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.795  | 168   | 99535    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 170457   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 156449   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 58430    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 75556    | 57.918   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.840%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 54660    | 52.206   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 104.420%  |
| 50) Toluene-d8              | 10.185 | 98    | 217795   | 50.268   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 100.540%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 64437    | 44.115   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 88.240%   |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.723  | 84    | 11607    | 6.858    | ug/l  | Qvalue 98 |
| -----                       |        |       |          |          |       |           |

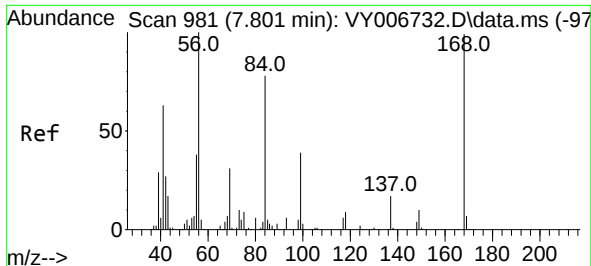
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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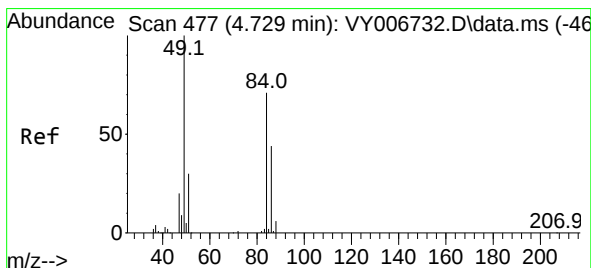
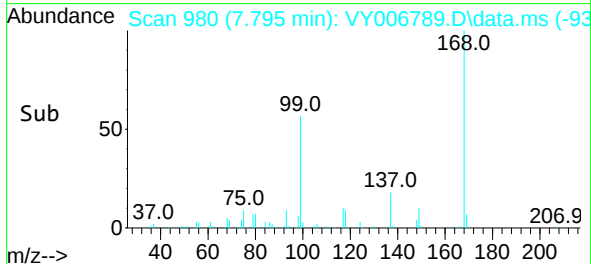
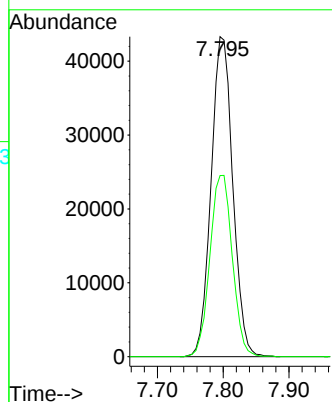
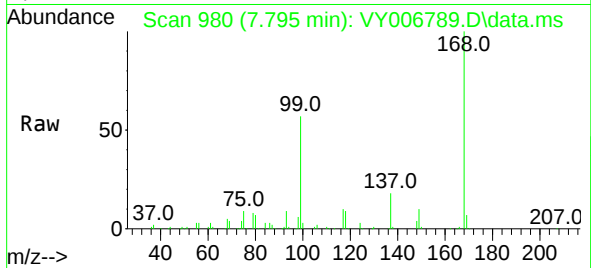




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

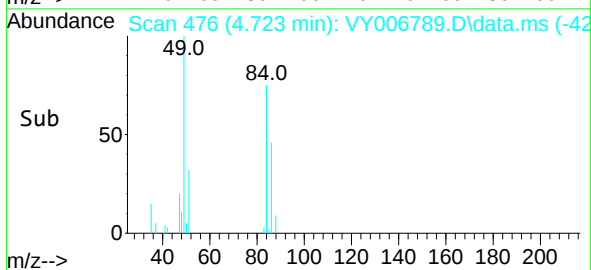
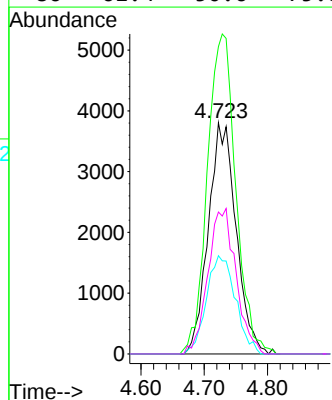
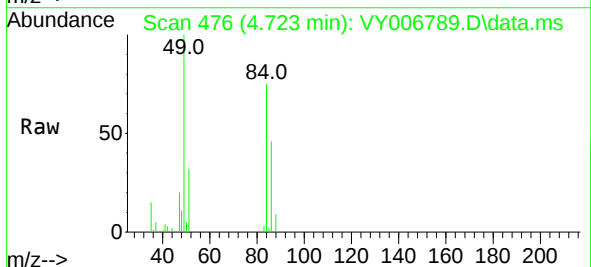
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MF-SOIL-P1

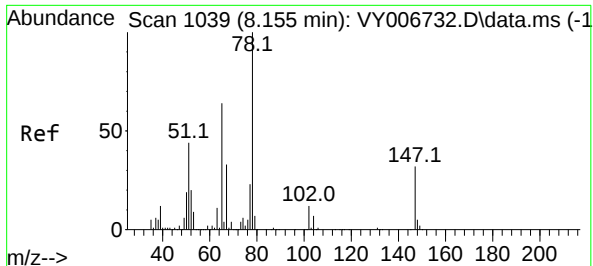
Tgt Ion:168 Resp: 99535  
Ion Ratio Lower Upper  
168 100  
99 56.6 44.8 67.2



#20  
Methylene Chloride  
Concen: 6.858 ug/l  
RT: 4.723 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

Tgt Ion: 84 Resp: 11607  
Ion Ratio Lower Upper  
84 100  
49 132.9 107.8 161.8  
51 42.5 32.8 49.2  
86 61.4 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 57.918 ug/l

RT: 8.149 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006789.D

Acq: 17 Nov 2021 15:31

Instrument :

MSVOA\_Y

ClientSampleId :

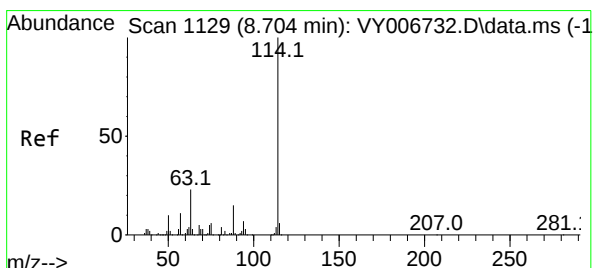
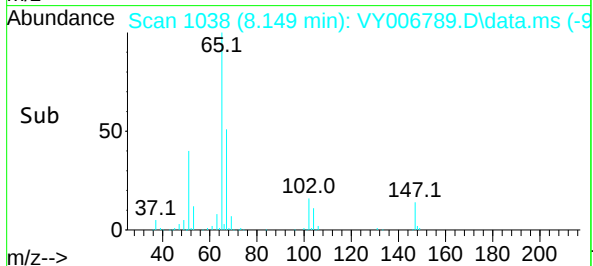
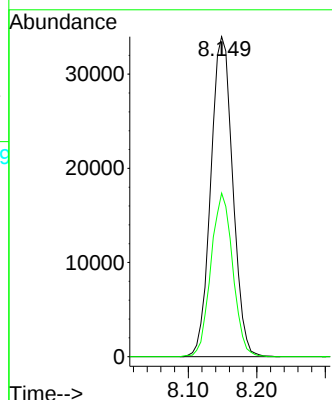
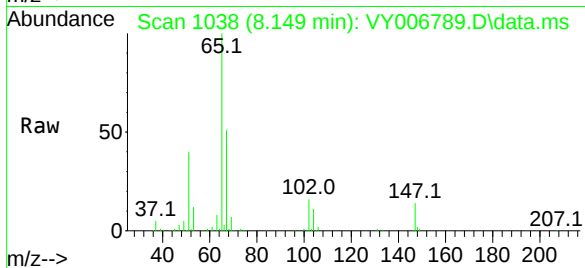
MF-SOIL-P1

Tgt Ion: 65 Resp: 75556

Ion Ratio Lower Upper

65 100

67 50.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006789.D

Acq: 17 Nov 2021 15:31

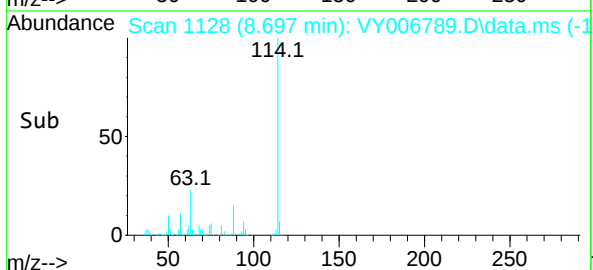
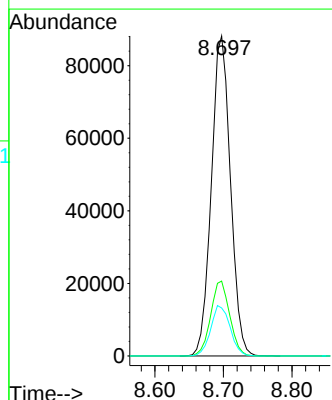
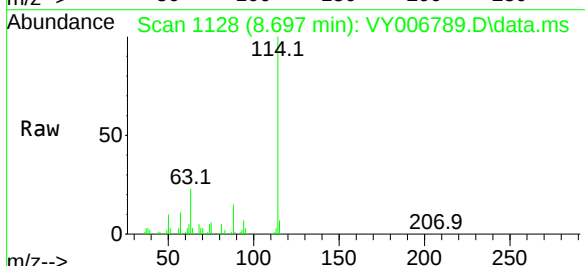
Tgt Ion: 114 Resp: 170457

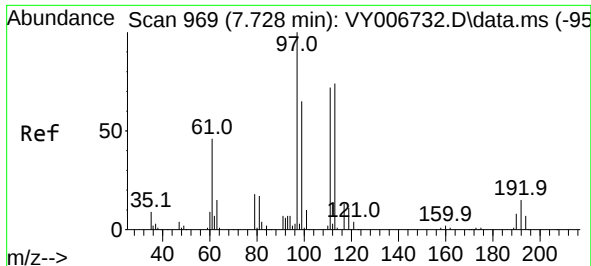
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 15.0 0.0 30.6

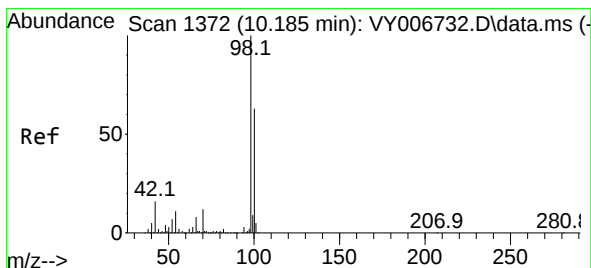
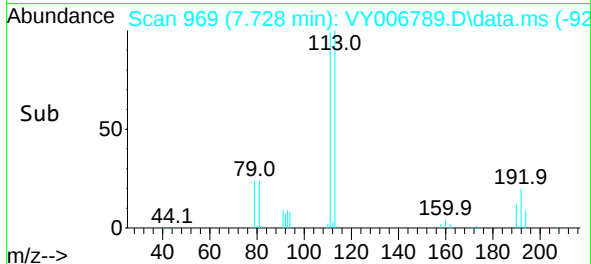
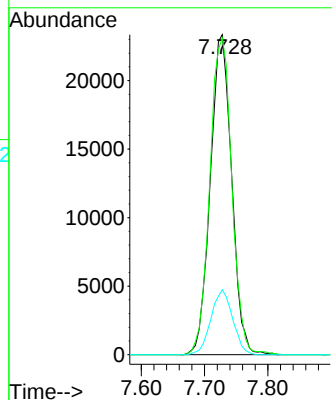
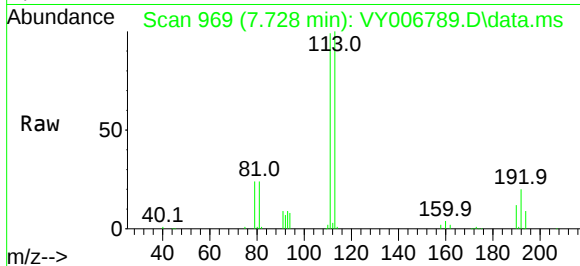




#35  
Dibromofluoromethane  
Concen: 52.206 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

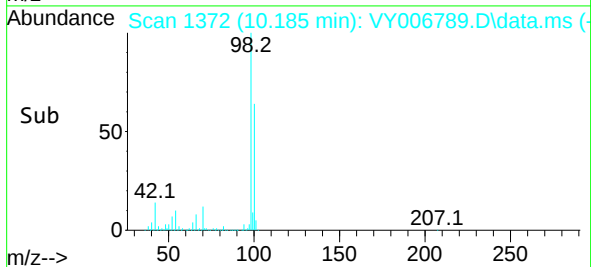
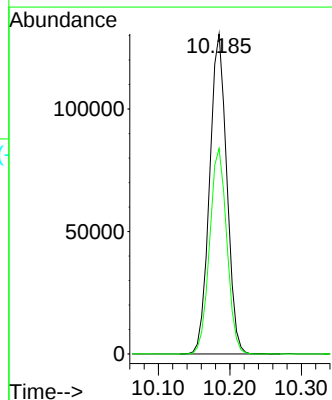
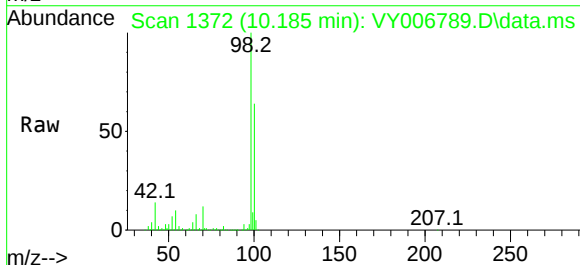
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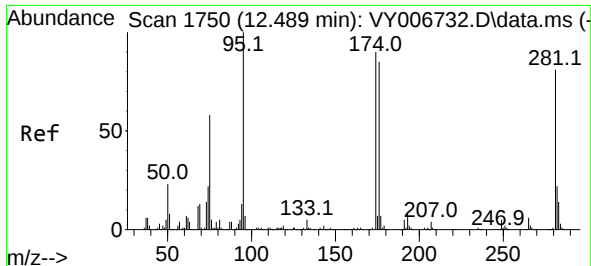
Tgt Ion:113 Resp: 54660  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.3 123.5  
192 20.6 17.4 26.2



#50  
Toluene-d8  
Concen: 50.268 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

Tgt Ion: 98 Resp: 217795  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.9 76.3

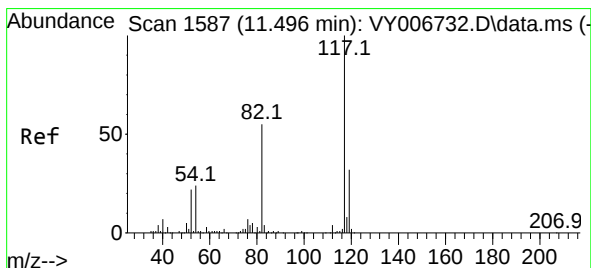
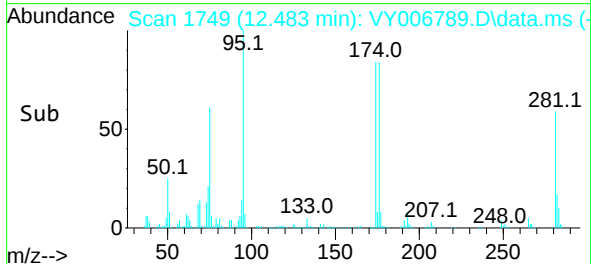
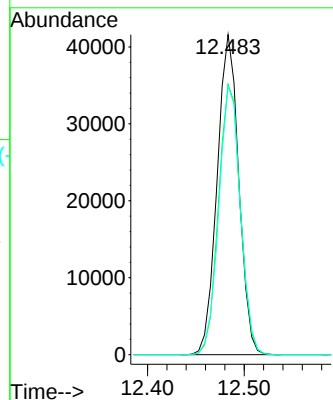
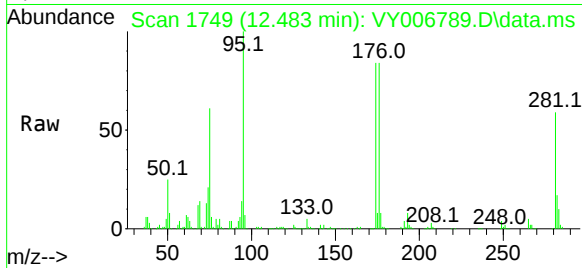




#62  
4-Bromofluorobenzene  
Concen: 44.115 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

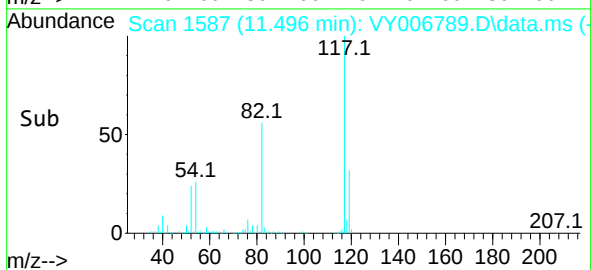
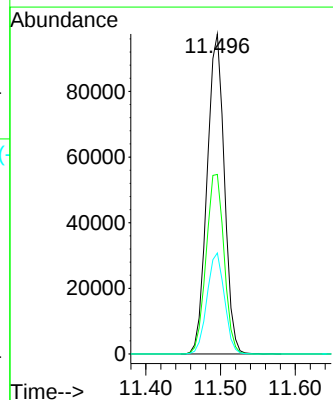
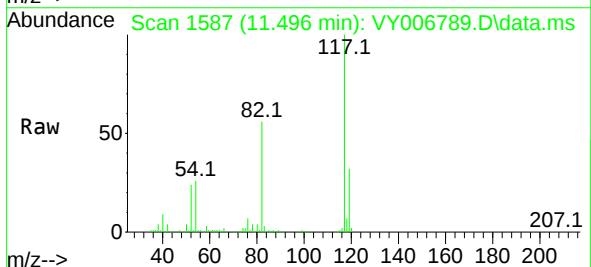
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ClientSampleId :  
MF-SOIL-P1

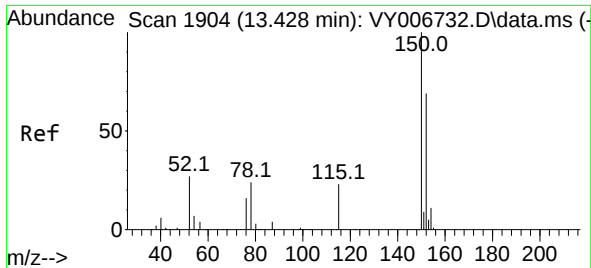
Tgt Ion: 95 Resp: 64437  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 177.0  
176 83.8 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006789.D  
Acq: 17 Nov 2021 15:31

Tgt Ion: 117 Resp: 156449  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.7 68.5  
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY006789.D

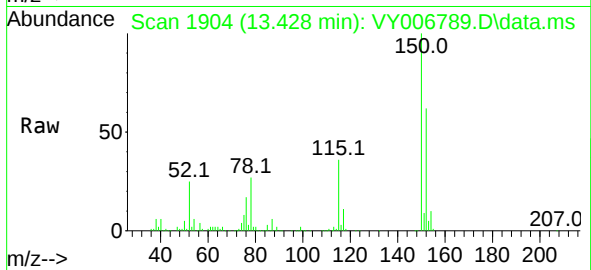
Acq: 17 Nov 2021 15:31

Instrument :

MSVOA\_Y

ClientSampleId :

MF-SOIL-P1



Tgt Ion:152 Resp: 58430

Ion Ratio Lower Upper

152 100

115 57.9 28.5 85.5

150 156.2 0.0 348.2

