

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020650.D  
 Acq On : 19 Dec 2024 13:15  
 Operator : SY/MD  
 Sample : P5312-01RE  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-VNJ-222RE

Quant Time: Dec 20 00:54:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

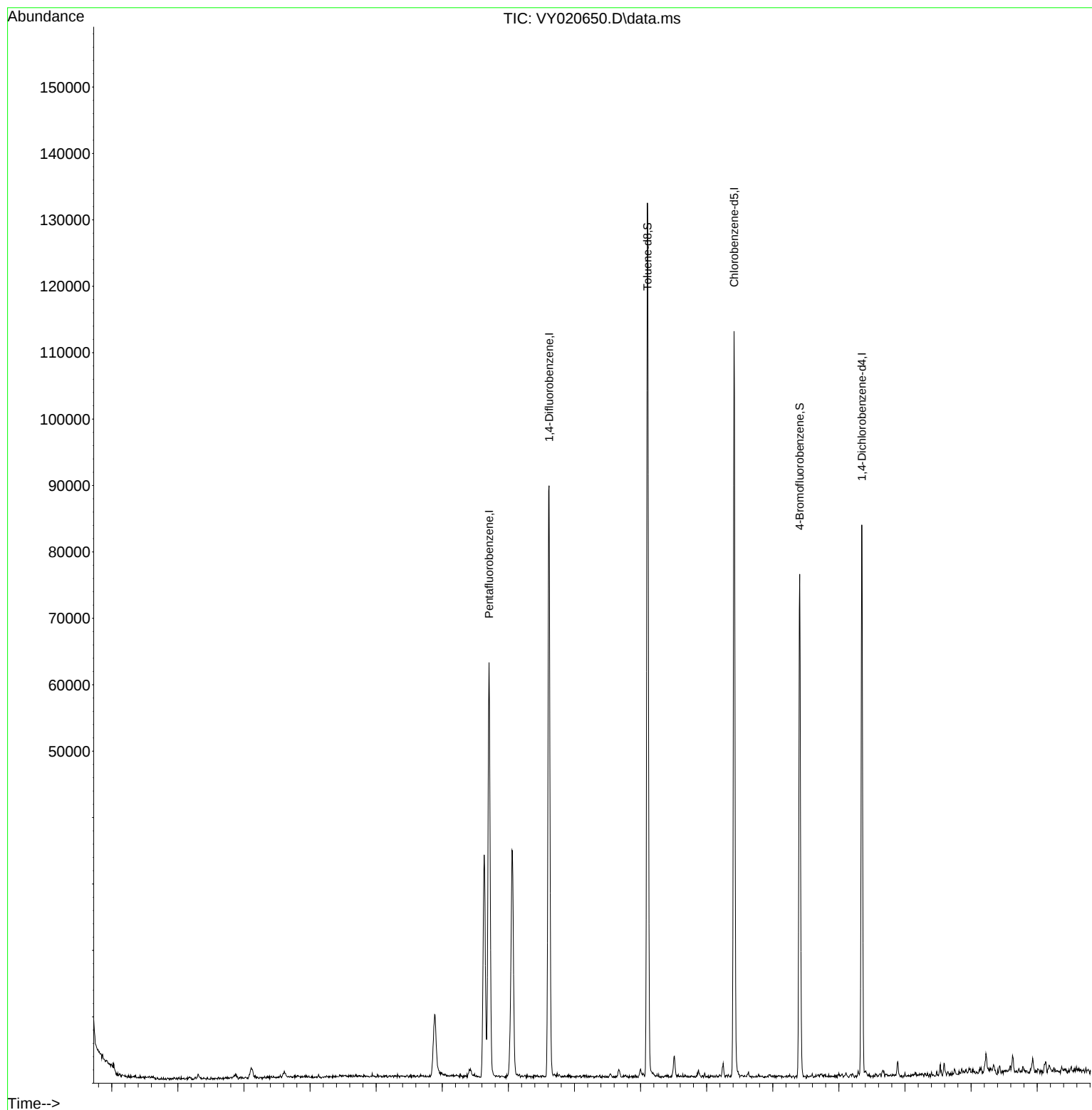
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.707  | 168   | 47287    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 76408    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 60416    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 21059    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 25075    | 48.417   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 96.840%   |
| 35) Dibromofluoromethane    | 7.634  | 113   | 24243    | 45.019   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 90.040%   |
| 50) Toluene-d8              | 10.103 | 98    | 89099    | 47.271   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 94.540%   |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 24279    | 32.930   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 65.860%   |
| Target Compounds            |        |       |          |          |       |           |
| 51) 4-Methyl-2-Pentanone    | 10.000 | 43    | 758      | 1.642    | ug/l  | Qvalue 92 |
| -----                       |        |       |          |          |       |           |

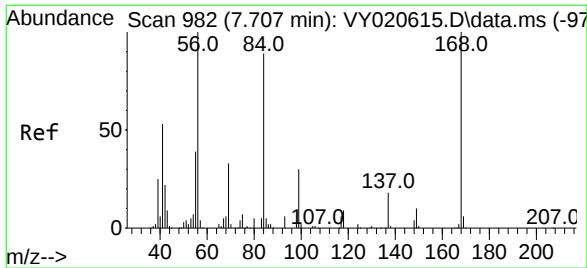
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
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Sample : P5312-01RE  
Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-VNJ-222RE

Quant Time: Dec 20 00:54:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

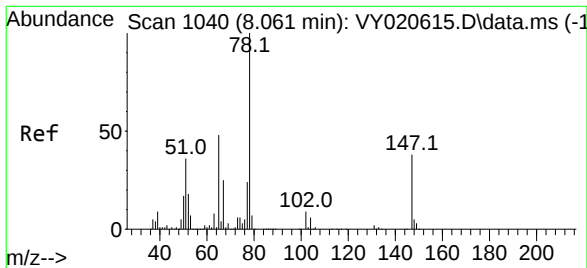
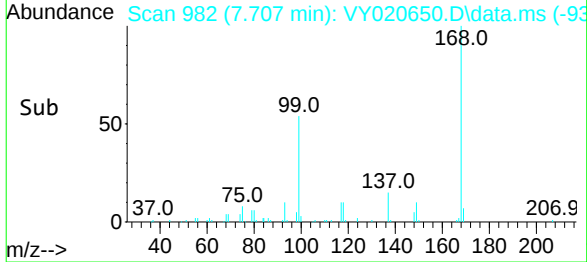
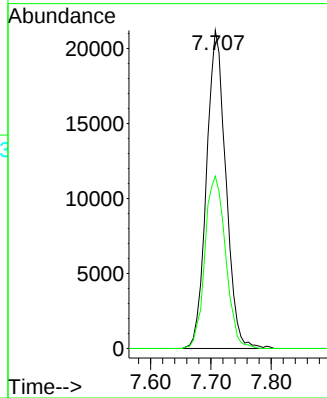
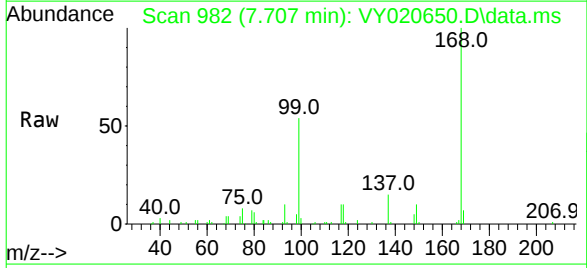




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY020650.D  
Acq: 19 Dec 2024 13:15

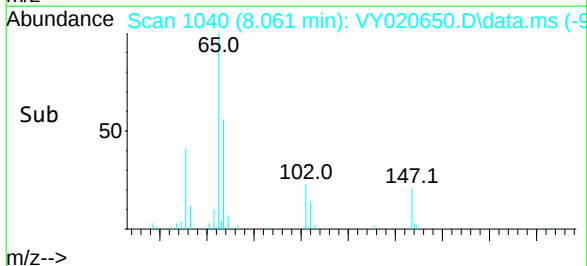
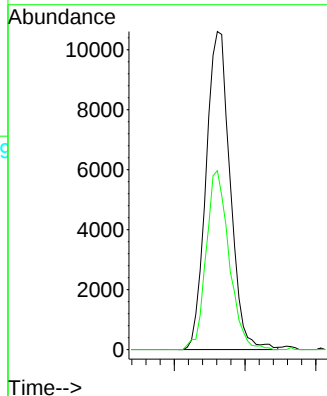
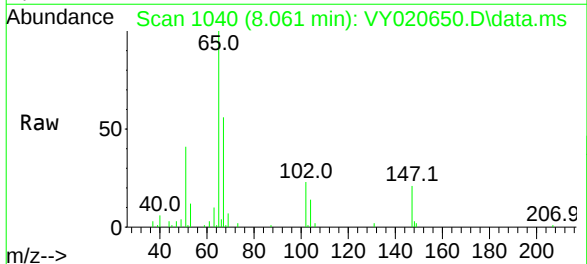
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-VNJ-222RE

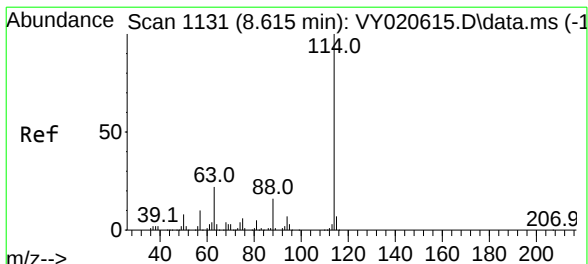
Tgt Ion:168 Resp: 47287  
Ion Ratio Lower Upper  
168 100  
99 54.2 47.0 70.6



#33  
1,2-Dichloroethane-d4  
Concen: 48.417 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020650.D  
Acq: 19 Dec 2024 13:15

Tgt Ion: 65 Resp: 25075  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 108.0

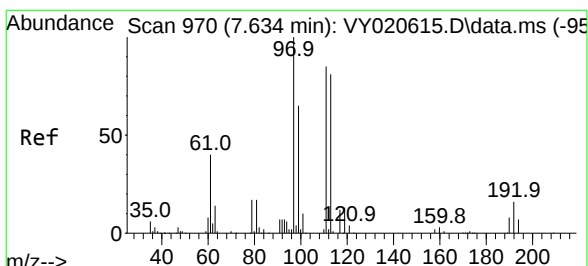
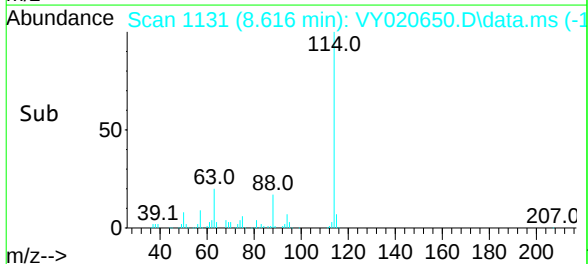
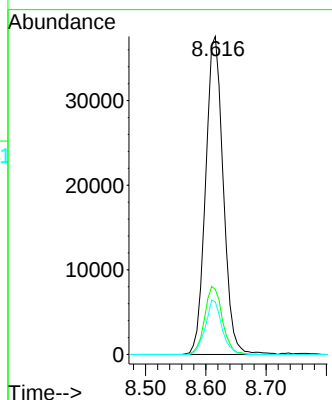
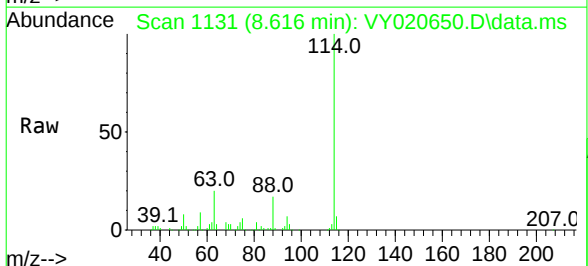




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY020650.D  
 Acq: 19 Dec 2024 13:15

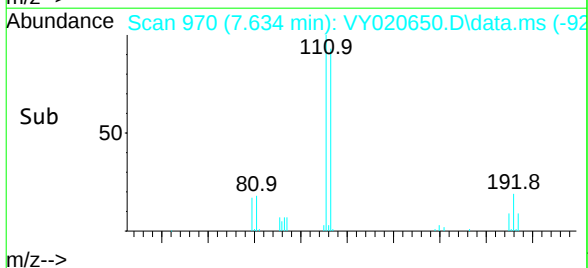
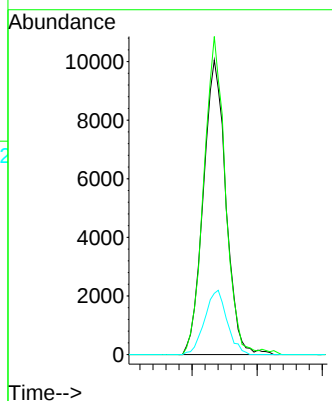
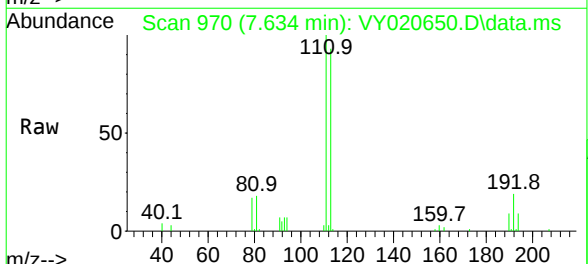
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-VNJ-222RE

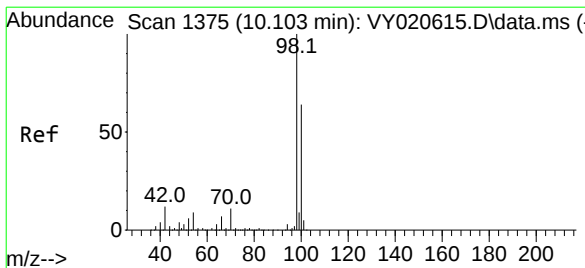
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 76408 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 20.5  | 0.0   | 44.0  |
| 88       | 16.5  | 0.0   | 32.8  |



#35  
 Dibromofluoromethane  
 Concen: 45.019 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. 0.000 min  
 Lab File: VY020650.D  
 Acq: 19 Dec 2024 13:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 24243 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 82.9  | 124.3 |
| 192      | 21.6  | 15.7  | 23.5  |





#50

Toluene-d8

Concen: 47.271 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020650.D

Acq: 19 Dec 2024 13:15

Instrument :

MSVOA\_Y

ClientSampleId :

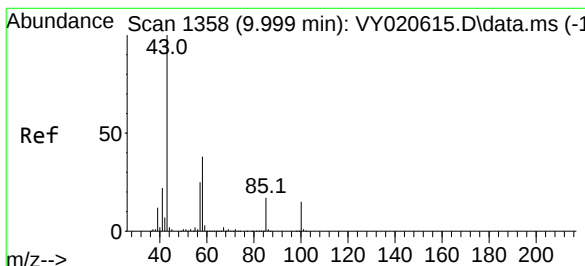
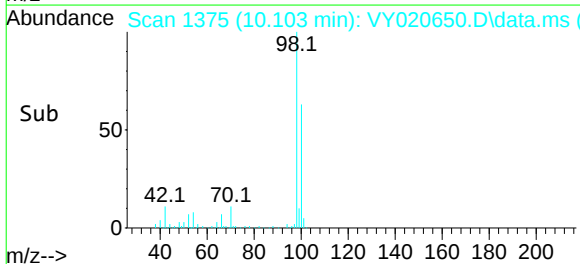
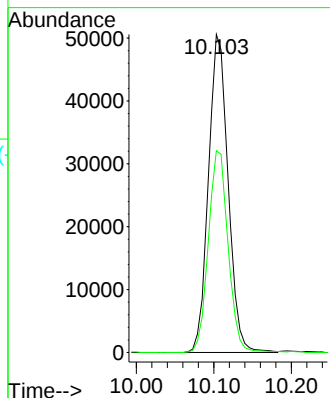
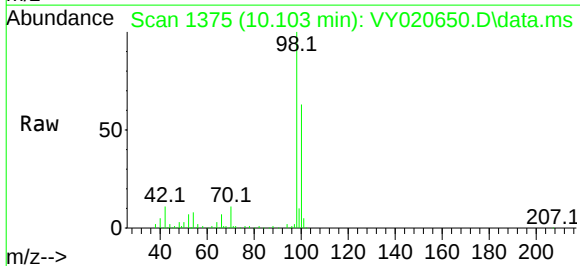
SOIL-VNJ-222RE

Tgt Ion: 98 Resp: 89099

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.642 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020650.D

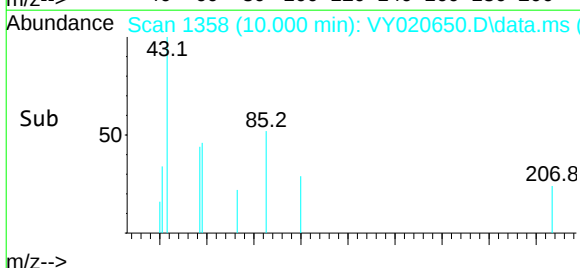
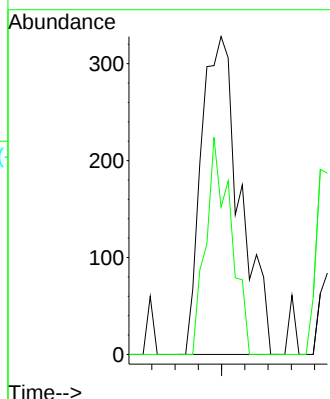
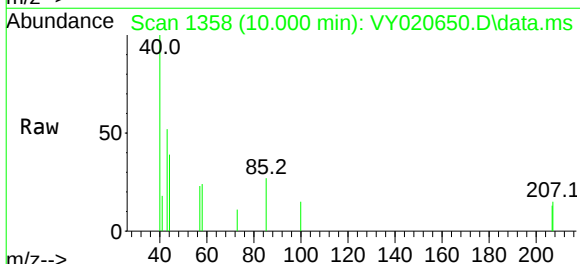
Acq: 19 Dec 2024 13:15

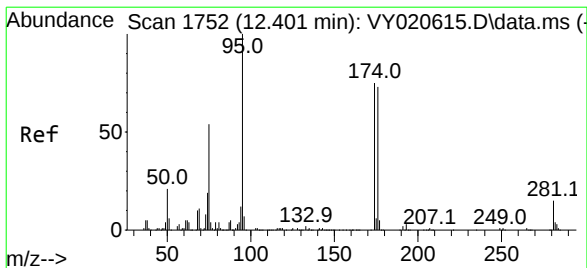
Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

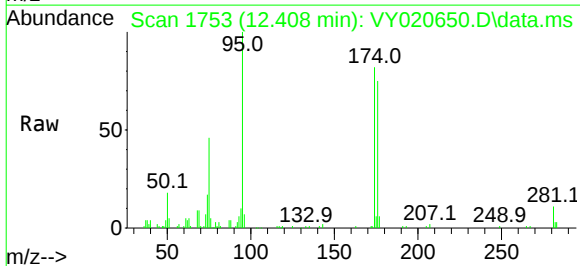
58 44.1 31.4 47.2



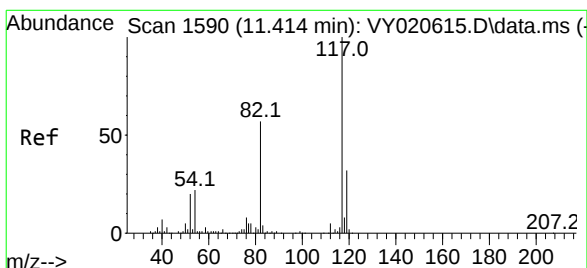
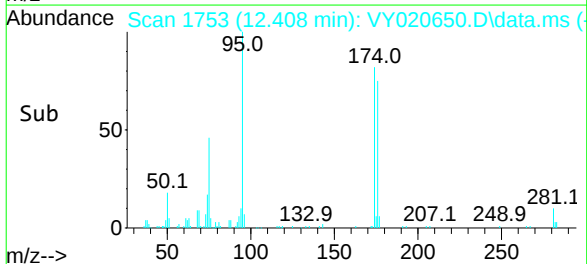
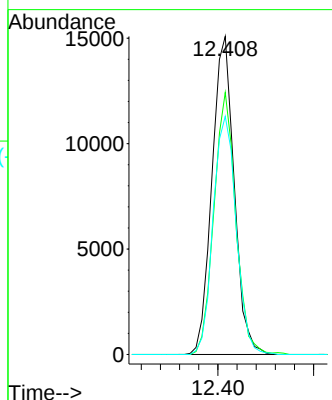


#62  
4-Bromofluorobenzene  
Concen: 32.930 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020650.D  
Acq: 19 Dec 2024 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-VNJ-222RE

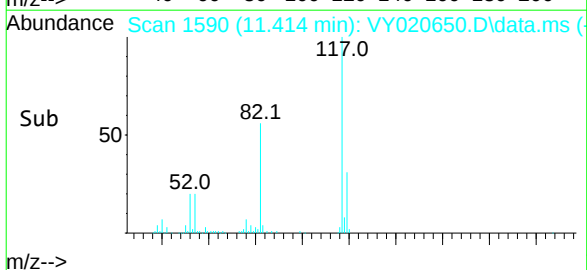
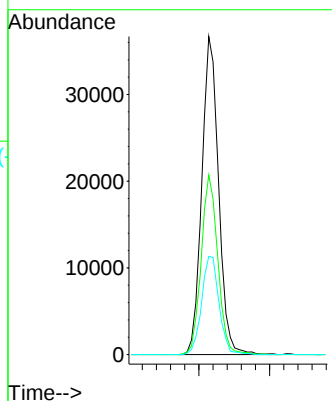
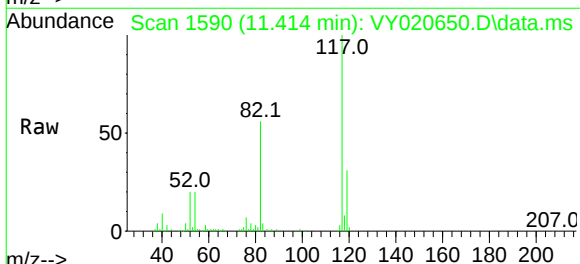


Tgt Ion: 95 Resp: 24279  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 161.8  
176 77.7 0.0 156.6

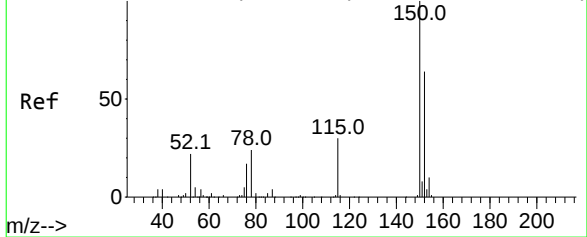


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY020650.D  
Acq: 19 Dec 2024 13:15

Tgt Ion: 117 Resp: 60416  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.8 68.6  
119 30.9 25.3 37.9



Abundance Scan 1907 (13.346 min): VY020615.D\data.ms (-



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY020650.D

Acq: 19 Dec 2024 13:15

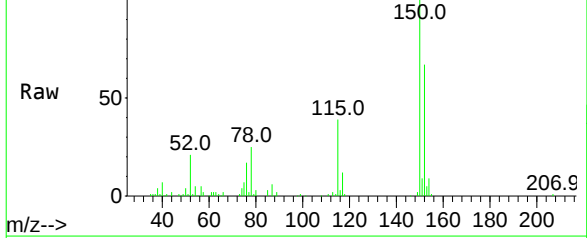
Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-VNJ-222RE

Abundance Scan 1907 (13.347 min): VY020650.D\data.ms



Tgt Ion:152 Resp: 21059

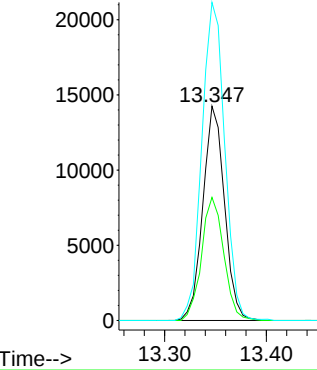
Ion Ratio Lower Upper

152 100

115 59.0 30.2 90.6

150 156.9 0.0 355.4

Abundance



Abundance Scan 1907 (13.347 min): VY020650.D\data.ms (-

