

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112223\  
 Data File : VY016469.D  
 Acq On : 22 Nov 2023 17:54  
 Operator : SY/MD  
 Sample : 05451-02RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-SOIL-01-GRE

Quant Time: Nov 23 04:09:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

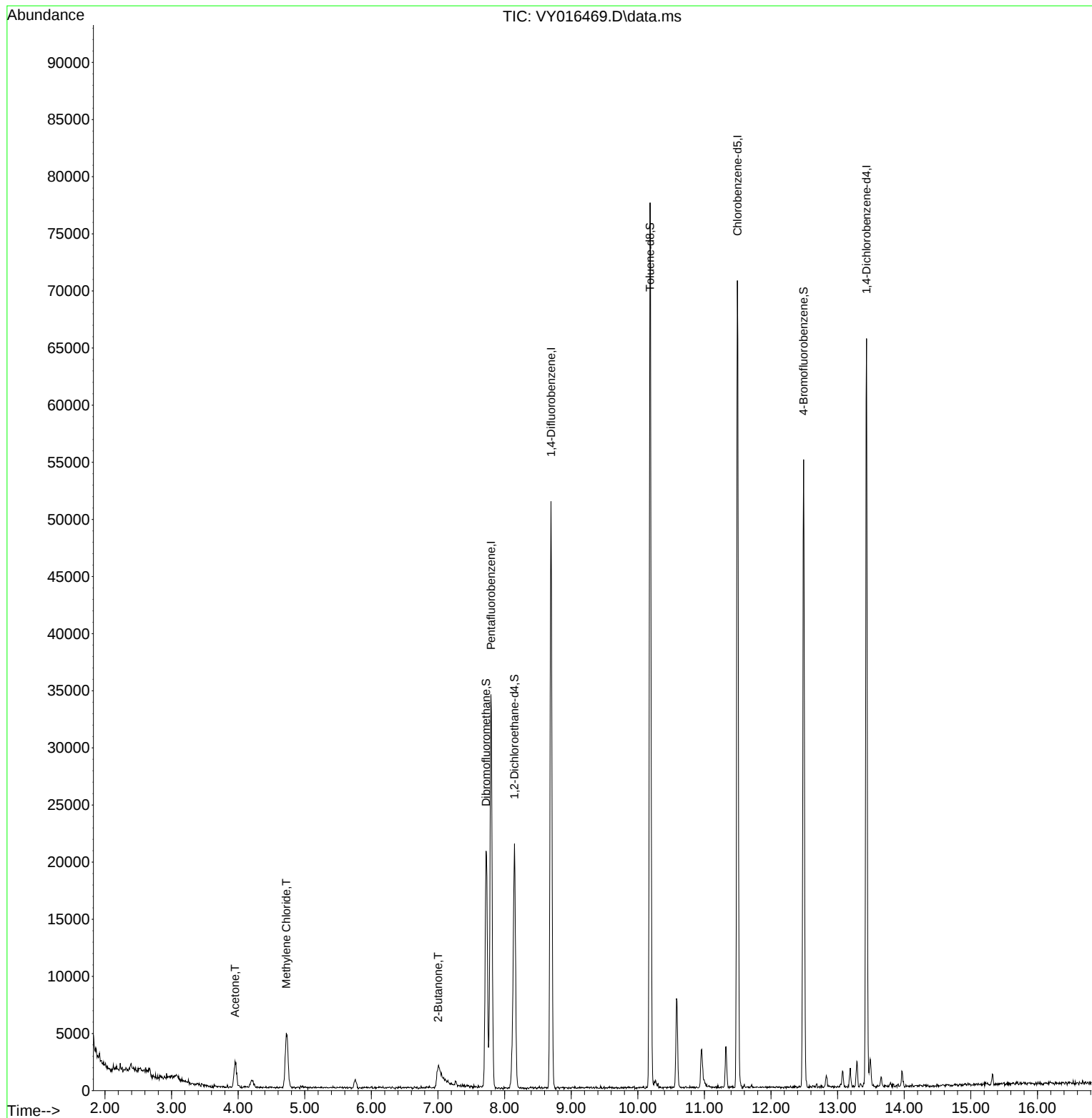
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 27504    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 46371    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117   | 43162    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434    | 152   | 18553    | 50.000   | ug/l   | 0.00     |
|                             |           |       |          |          |        |          |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 16114    | 64.103   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =      | 128.200% |
| 35) Dibromofluoromethane    | 7.722     | 113   | 15510    | 58.880   | ug/l   | -0.01    |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =      | 117.760% |
| 50) Toluene-d8              | 10.185    | 98    | 53339    | 49.933   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | =      | 99.860%  |
| 62) 4-Bromofluorobenzene    | 12.489    | 95    | 16399    | 47.268   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | =      | 94.540%  |
|                             |           |       |          |          |        |          |
| Target Compounds            |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 3.954     | 43    | 3986     | 95.862   | ug/l   | 94       |
| 20) Methylene Chloride      | 4.722     | 84    | 4187     | 11.579   | ug/l # | 74       |
| 25) 2-Butanone              | 7.003     | 43    | 1450     | 19.909   | ug/l   | 90       |
| -----                       |           |       |          |          |        |          |

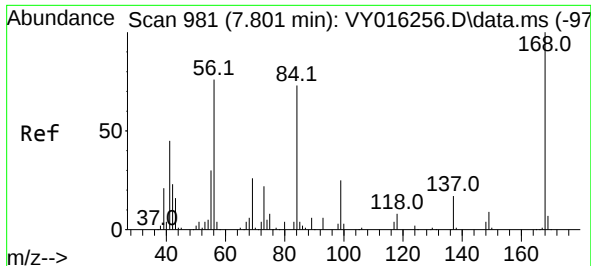
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

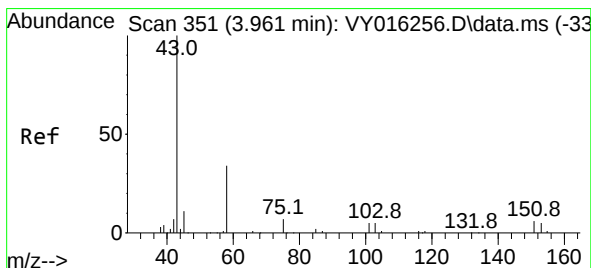
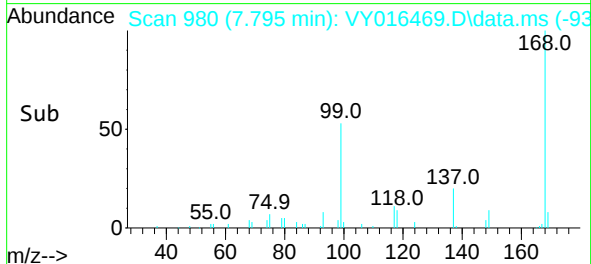
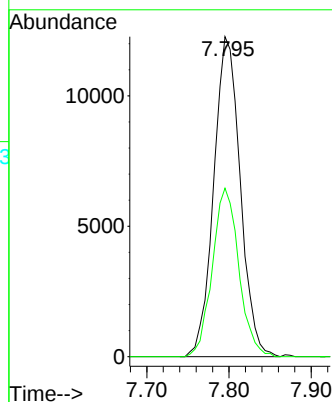
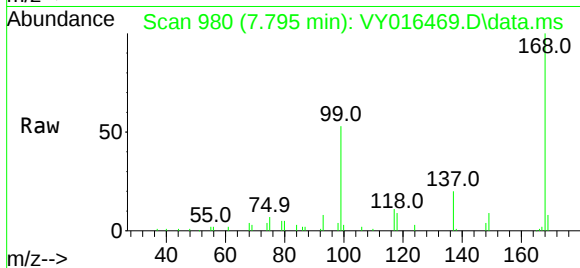




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016469.D  
Acq: 22 Nov 2023 17:54

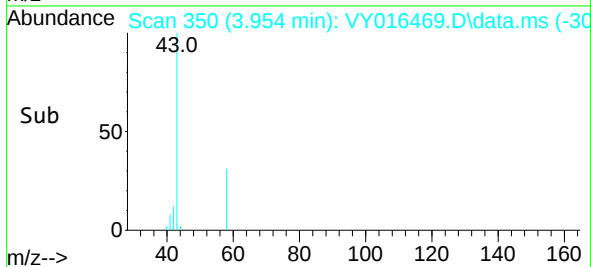
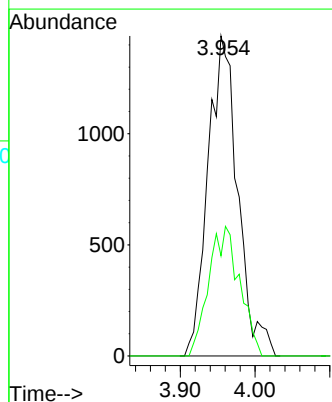
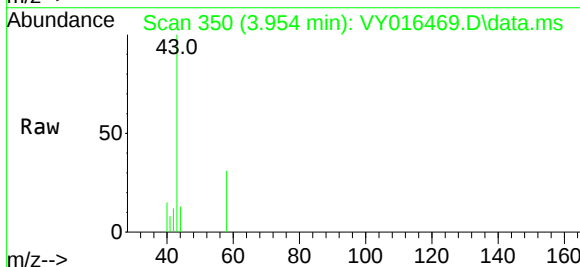
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-SOIL-01-GRE

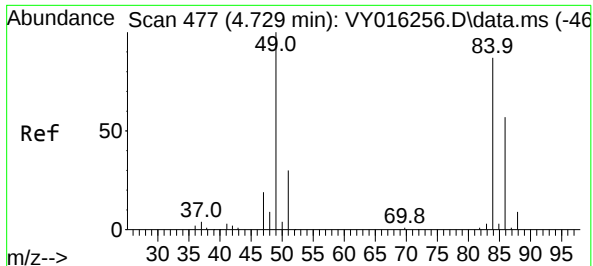
Tgt Ion:168 Resp: 27504  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.4 65.0



#16  
Acetone  
Concen: 95.862 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY016469.D  
Acq: 22 Nov 2023 17:54

Tgt Ion: 43 Resp: 3986  
Ion Ratio Lower Upper  
43 100  
58 31.3 22.7 34.1





#20

Methylene Chloride

Concen: 11.579 ug/l

RT: 4.722 min Scan# 41

Delta R.T. -0.007 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

Instrument :

MSVOA\_Y

ClientSampleId :

WC-SOIL-01-GRE

Tgt Ion: 84 Resp: 4187

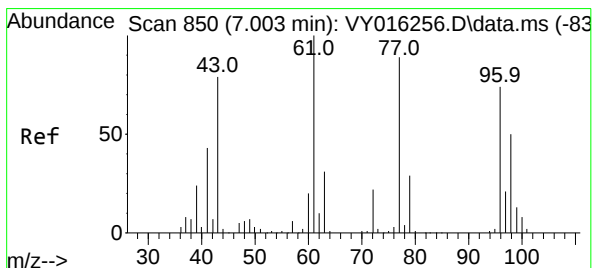
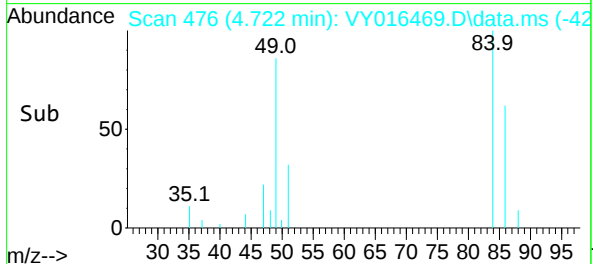
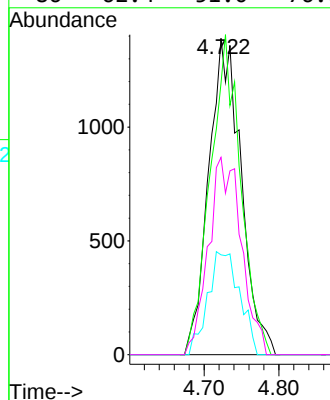
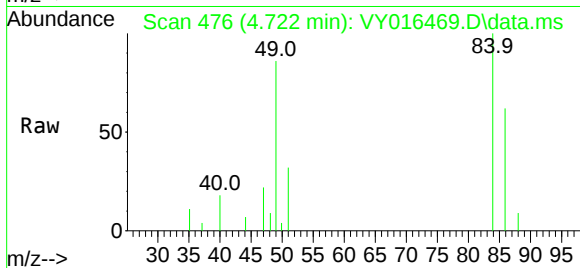
Ion Ratio Lower Upper

84 100

49 85.8 106.9 160.3#

51 31.6 33.2 49.8#

86 62.4 51.0 76.6



#25

2-Butanone

Concen: 19.909 ug/l

RT: 7.003 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY016469.D

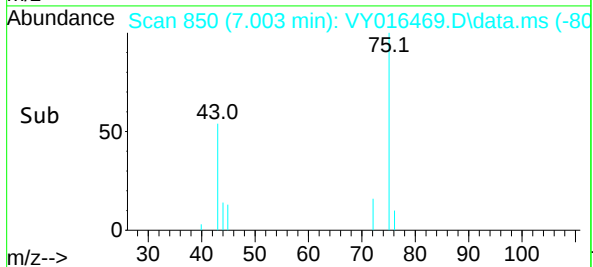
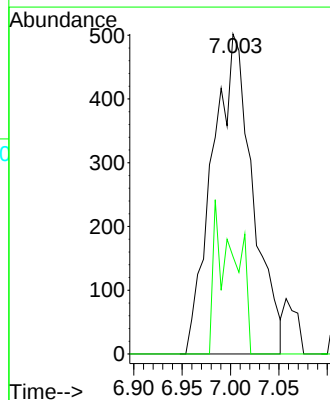
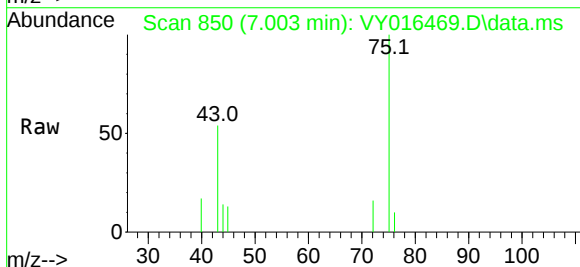
Acq: 22 Nov 2023 17:54

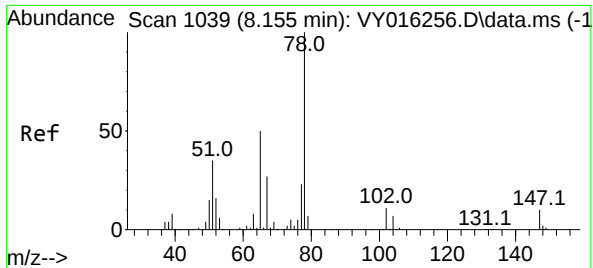
Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

72 30.5 20.5 30.7

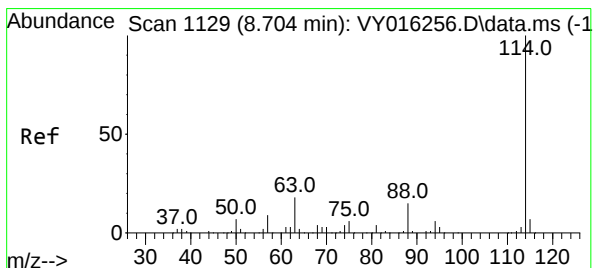
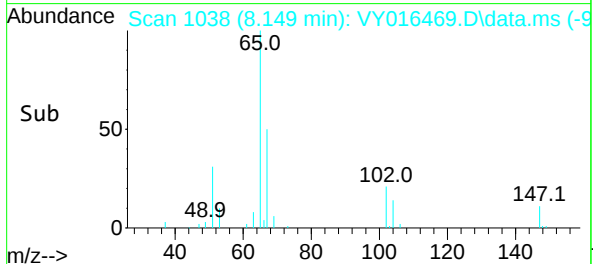
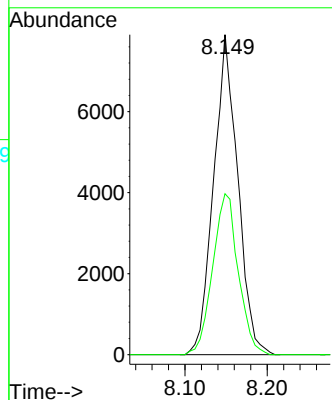
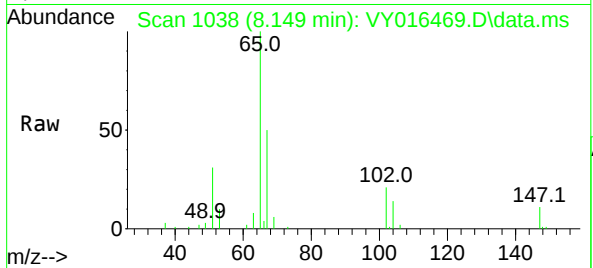




#33  
 1,2-Dichloroethane-d4  
 Concen: 64.103 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. -0.006 min  
 Lab File: VY016469.D  
 Acq: 22 Nov 2023 17:54

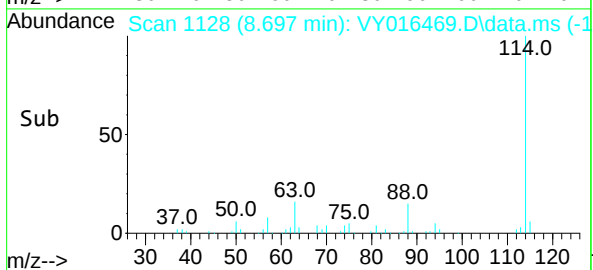
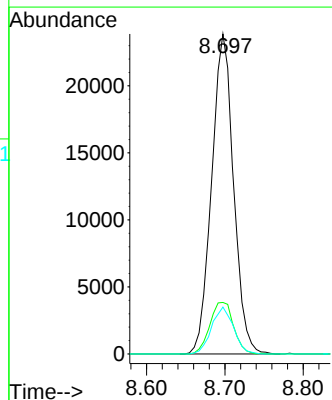
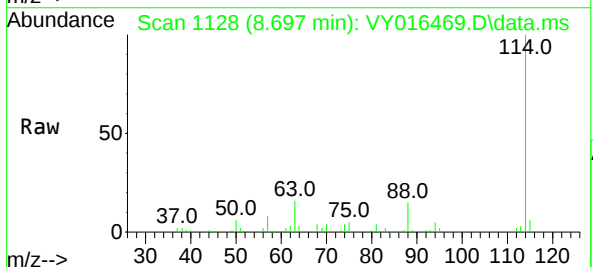
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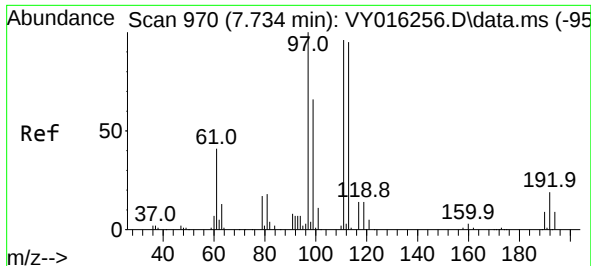
Tgt Ion: 65 Resp: 16114  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. -0.006 min  
 Lab File: VY016469.D  
 Acq: 22 Nov 2023 17:54

Tgt Ion: 114 Resp: 46371  
 Ion Ratio Lower Upper  
 114 100  
 63 16.1 0.0 42.4  
 88 14.6 0.0 30.6

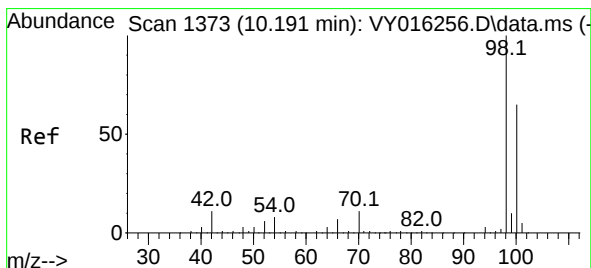
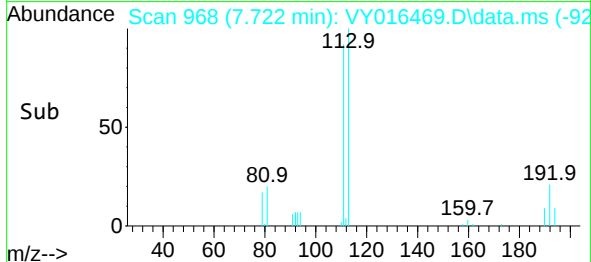
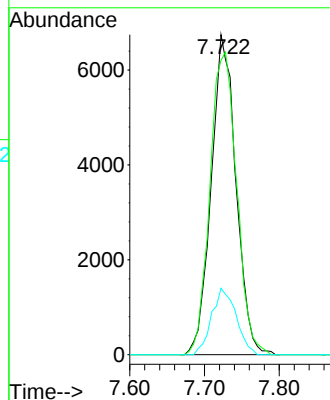
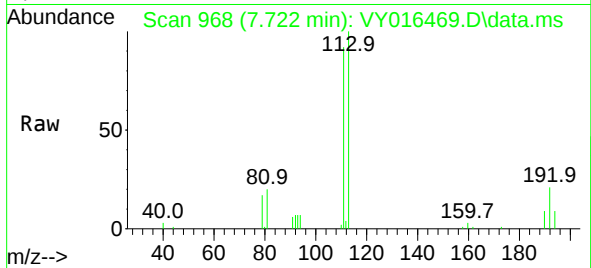




#35  
 Dibromofluoromethane  
 Concen: 58.880 ug/l  
 RT: 7.722 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: VY016469.D  
 Acq: 22 Nov 2023 17:54

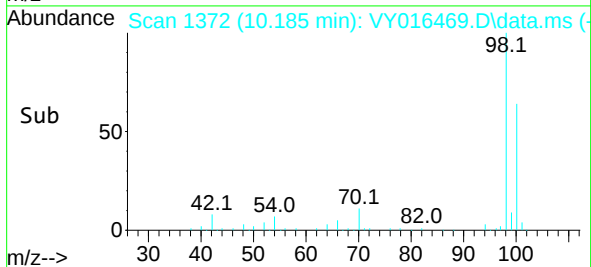
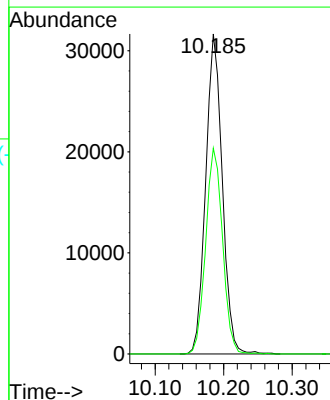
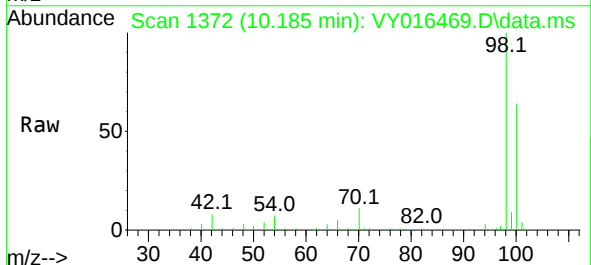
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-SOIL-01-GRE

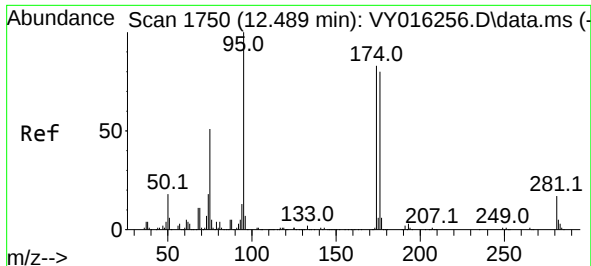
Tgt Ion:113 Resp: 15510  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.3 121.9  
 192 20.6 16.9 25.3



#50  
 Toluene-d8  
 Concen: 49.933 ug/l  
 RT: 10.185 min Scan# 1372  
 Delta R.T. -0.006 min  
 Lab File: VY016469.D  
 Acq: 22 Nov 2023 17:54

Tgt Ion: 98 Resp: 53339  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 50.1 75.1

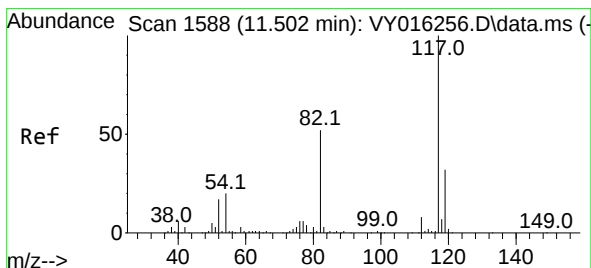
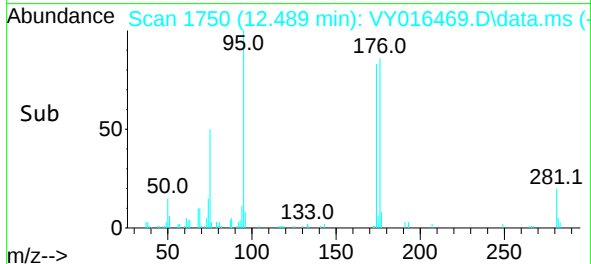
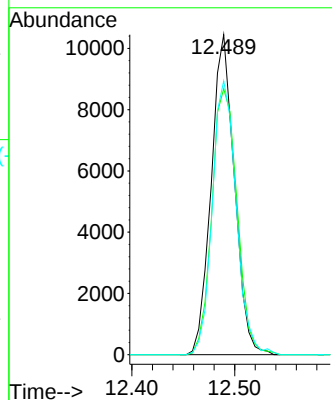
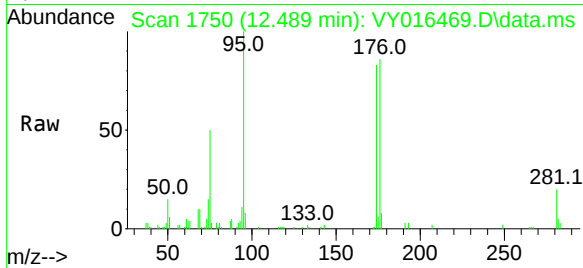




#62  
4-Bromofluorobenzene  
Concen: 47.268 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016469.D  
Acq: 22 Nov 2023 17:54

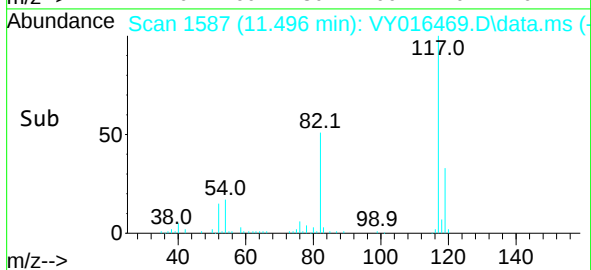
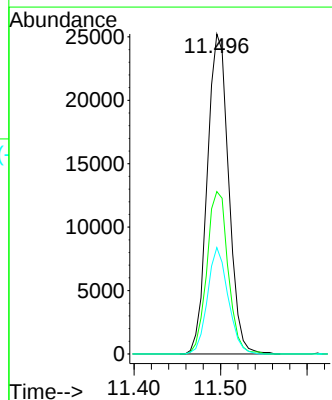
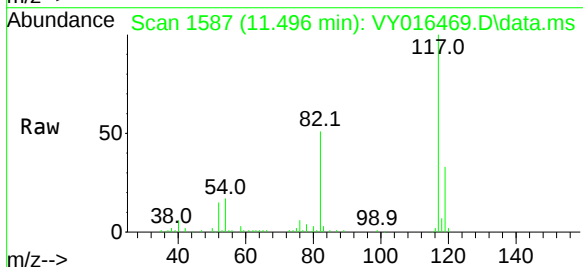
Instrument :  
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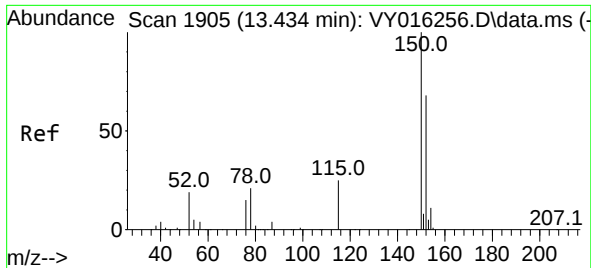
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|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 16399 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 90.3  | 0.0   | 178.2 |
| 176      | 88.1  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY016469.D  
Acq: 22 Nov 2023 17:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 43162 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 50.7  | 43.4  | 65.0  |
| 119      | 33.2  | 26.3  | 39.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016469.D

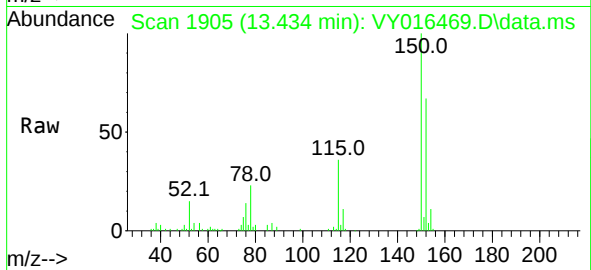
Acq: 22 Nov 2023 17:54

Instrument :

MSVOA\_Y

ClientSampleId :

WC-SOIL-01-GRE



Tgt Ion:152 Resp: 18553

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 156.2 0.0 348.8

