

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011922\  
 Data File : VY007234.D  
 Acq On : 19 Jan 2022 20:36  
 Operator : SY/MD  
 Sample : N1189-21  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MTR-SOIL-11

Quant Time: Jan 20 00:18:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

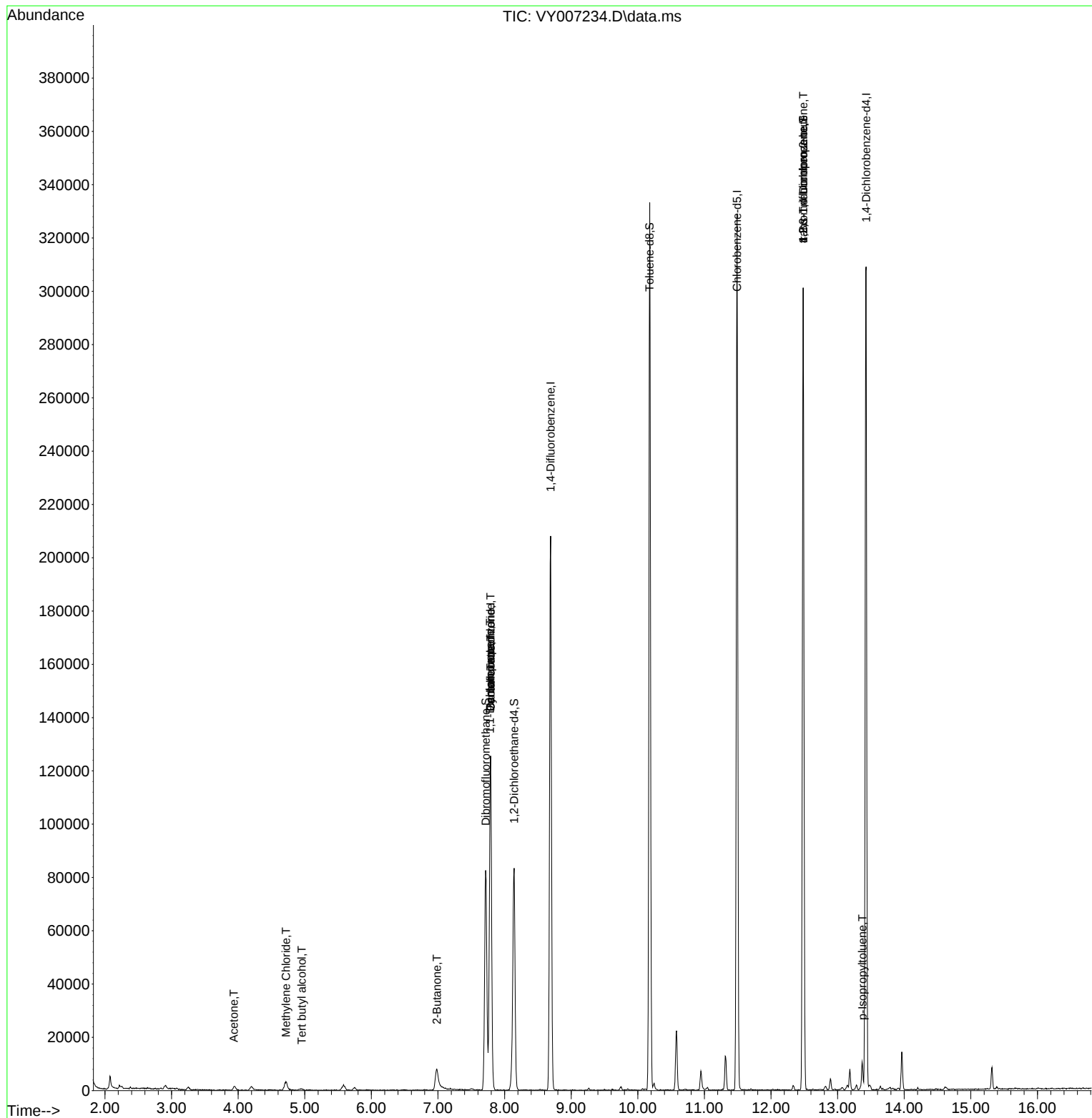
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 91306               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 169561              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 166927              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 75947               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 62468               | 55.758 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 111.520% |        |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 58969               | 51.432 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 102.860% |        |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 209598              | 50.030 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 100.060% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 80214               | 53.826 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 107.660% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        |          |
|                               |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol        | 4.954          | 59   | 1120                | 7.047  | ug/l # | 73       |
| 16) Acetone                   | 3.936          | 43   | 2742                | 9.431  | ug/l   | 92       |
| 20) Methylene Chloride        | 4.716          | 84   | 2235                | 1.859  | ug/l # | 93       |
| 25) 2-Butanone                | 6.984          | 43   | 1772                | 4.714  | ug/l   | 91       |
| 31) Cyclohexane               | 7.789          | 56   | 2149                | 1.135  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 8588                | 4.690  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 10106               | 5.247  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 45210               | 52.206 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 45210               | 95.574 | ug/l # | 3        |
| 86) p-Isopropyltoluene        | 13.373         | 119  | 5799                | 1.014  | ug/l   | 97       |
| -----                         |                |      |                     |        |        |          |

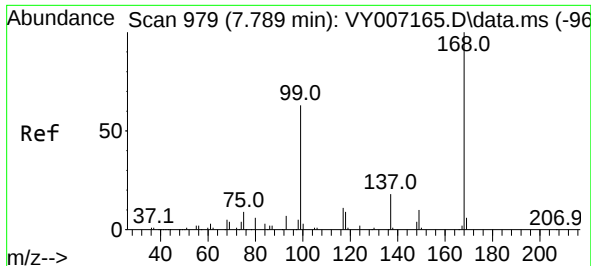
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011922\  
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Sample : N1189-21  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MTR-SOIL-11

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

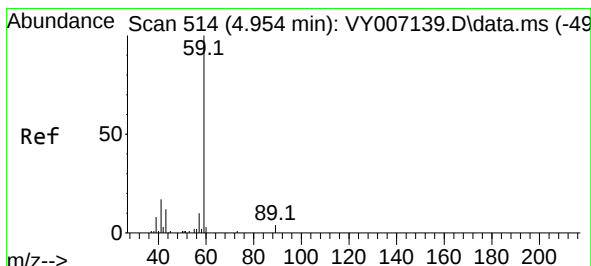
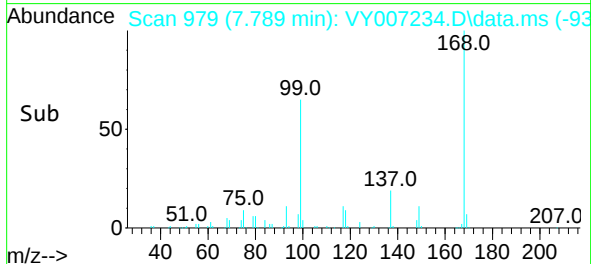
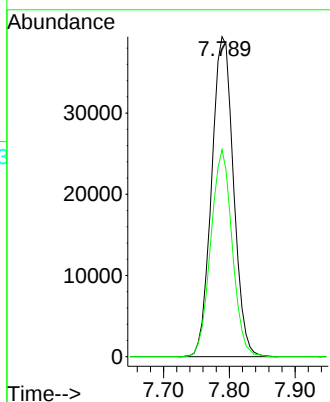
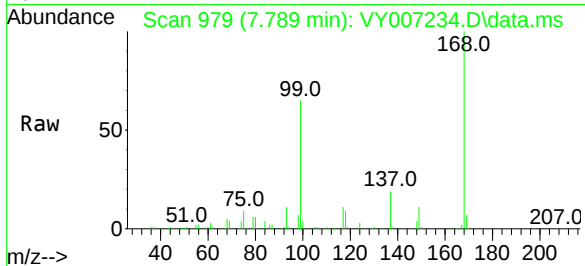




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

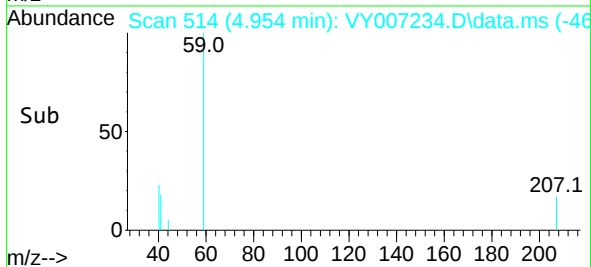
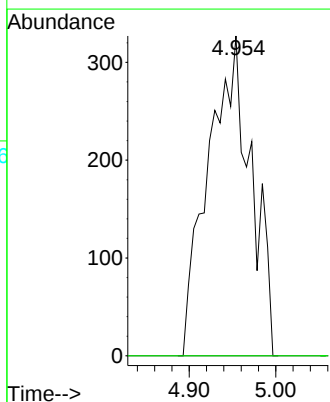
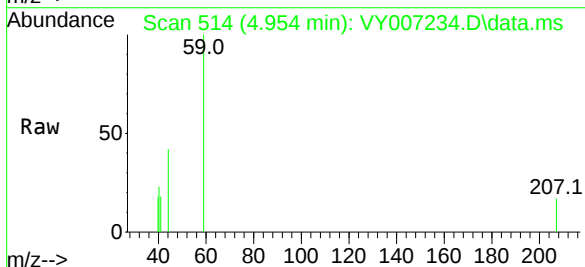
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MTR-SOIL-11

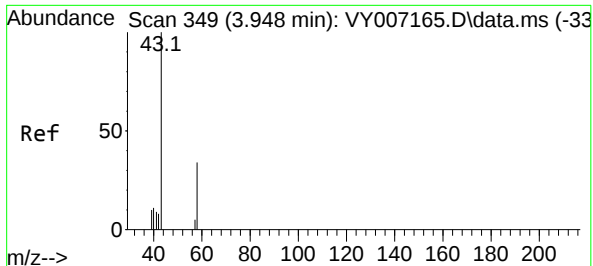
Tgt Ion:168 Resp: 91306  
Ion Ratio Lower Upper  
168 100  
99 64.7 49.1 73.7



#11  
Tert butyl alcohol  
Concen: 7.047 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Tgt Ion: 59 Resp: 1120  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#





#16

Acetone

Concen: 9.431 ug/l

RT: 3.936 min Scan# 349

Delta R.T. -0.012 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

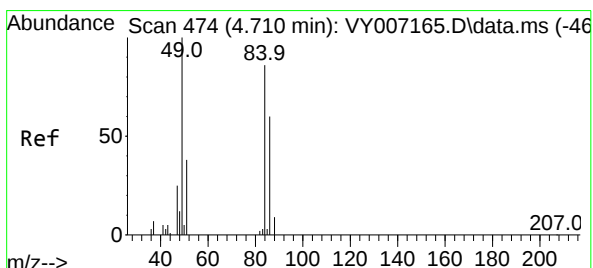
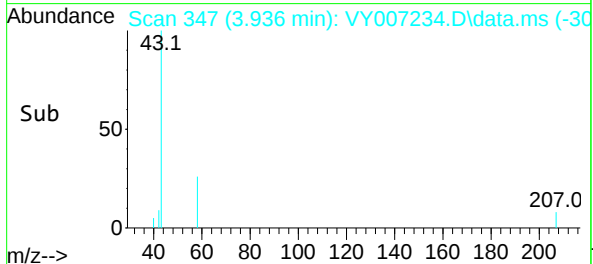
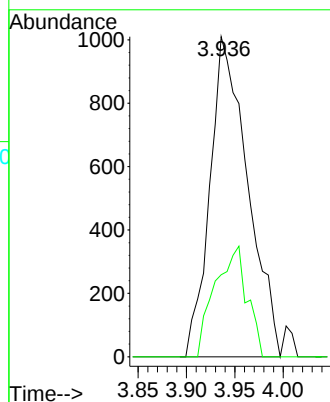
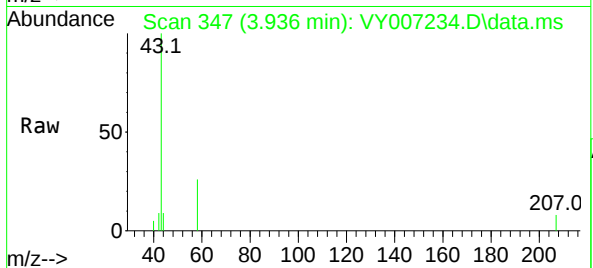
MTR-SOIL-11

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

58 25.6 23.8 35.6



#20

Methylene Chloride

Concen: 1.859 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

Tgt Ion: 84 Resp: 2235

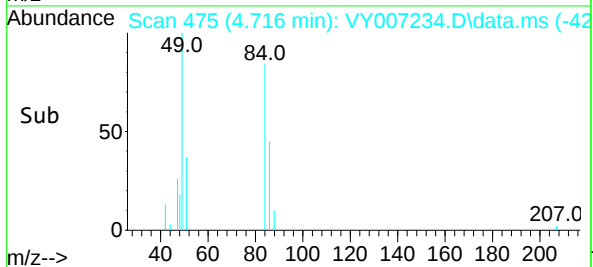
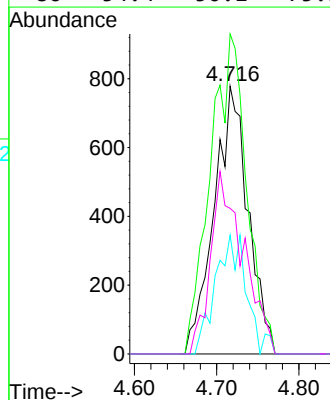
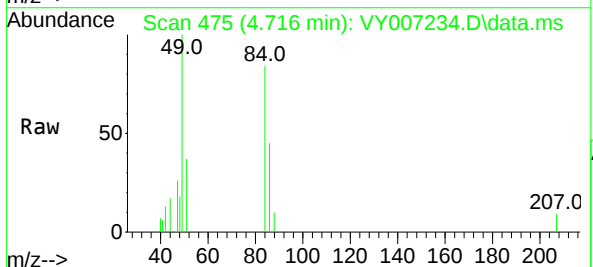
Ion Ratio Lower Upper

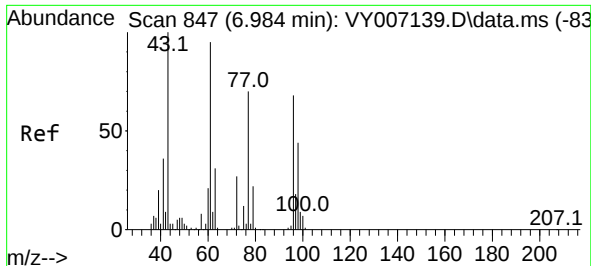
84 100

49 119.5 92.6 139.0

51 44.3 28.6 42.8#

86 54.4 50.1 75.1

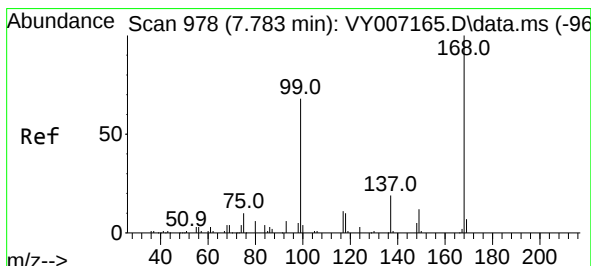
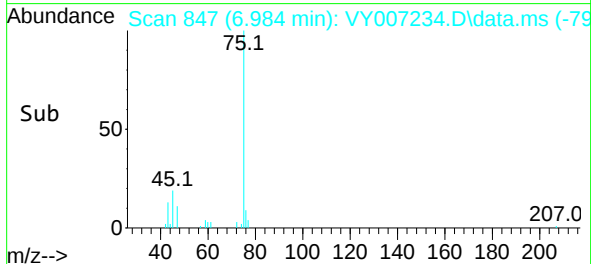
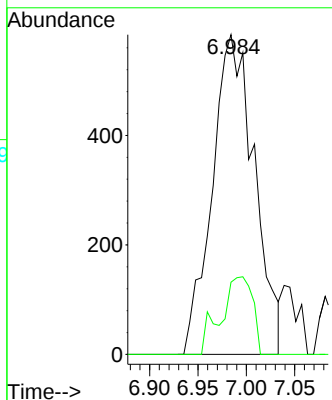
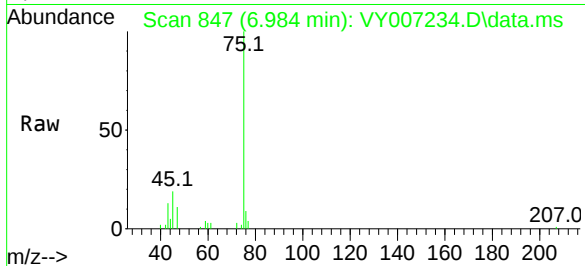




#25  
2-Butanone  
Concen: 4.714 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

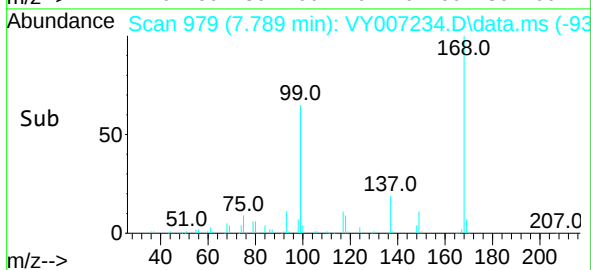
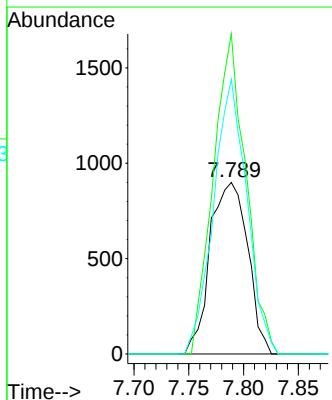
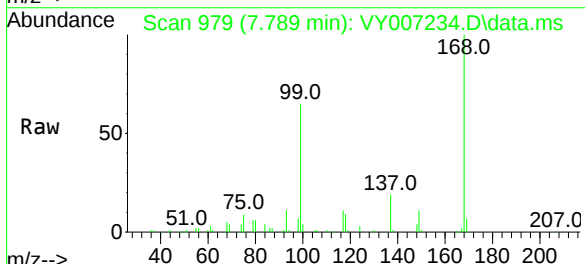
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MTR-SOIL-11

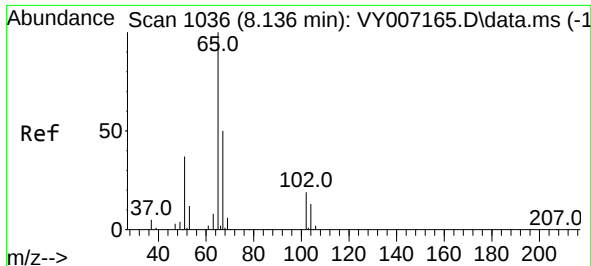
Tgt Ion: 43 Resp: 1772  
Ion Ratio Lower Upper  
43 100  
72 22.6 21.9 32.9



#31  
Cyclohexane  
Concen: 1.135 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Tgt Ion: 56 Resp: 2149  
Ion Ratio Lower Upper  
56 100  
69 186.4 27.2 40.8#  
84 160.0 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 55.758 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

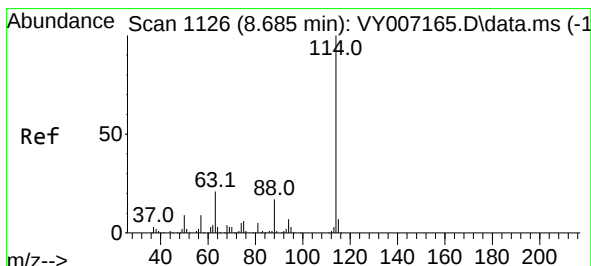
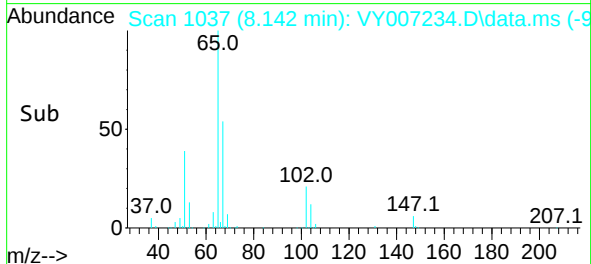
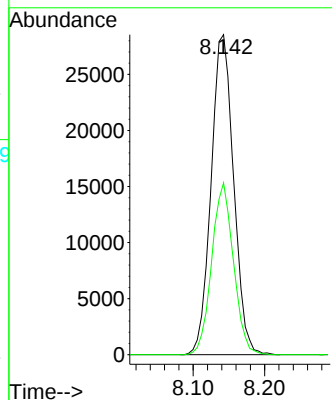
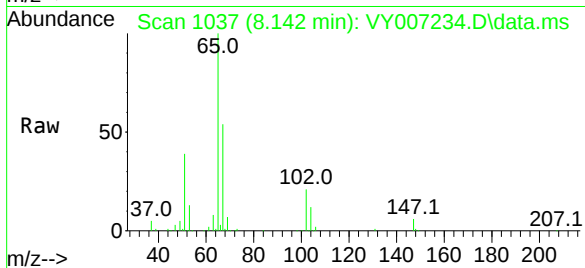
MTR-SOIL-11

Tgt Ion: 65 Resp: 62468

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

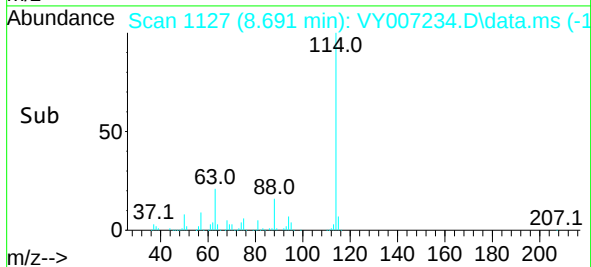
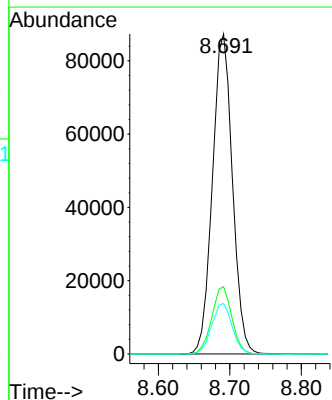
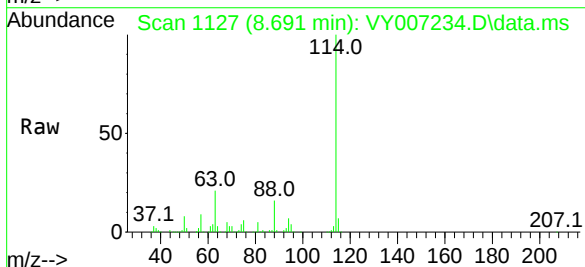
Tgt Ion: 114 Resp: 169561

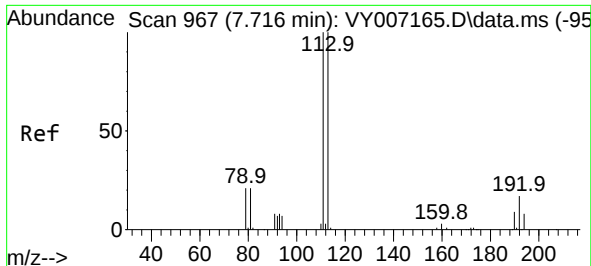
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

88 15.8 0.0 31.0

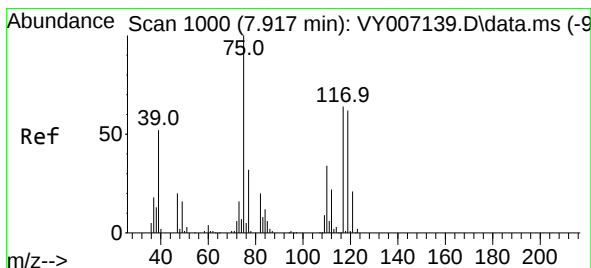
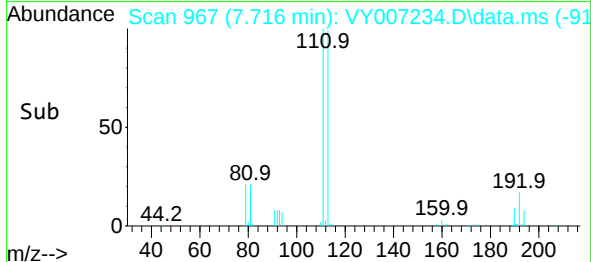
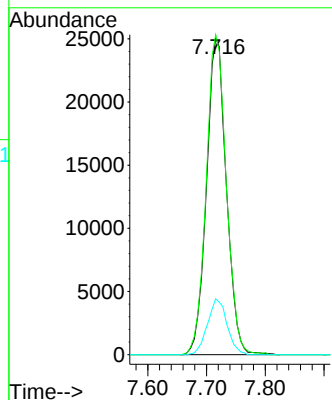
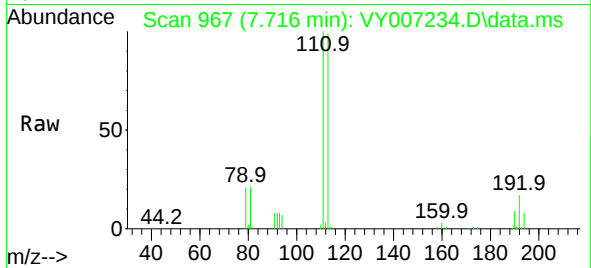




#35  
Dibromofluoromethane  
Concen: 51.432 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

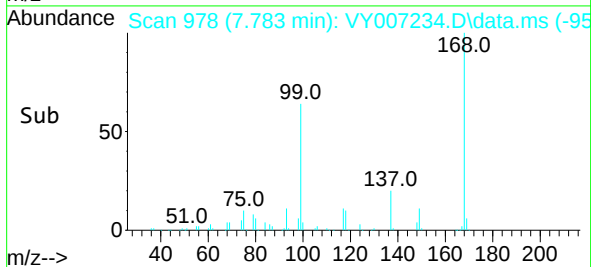
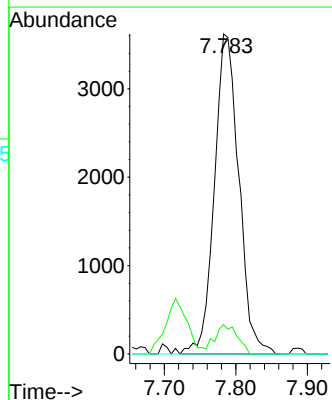
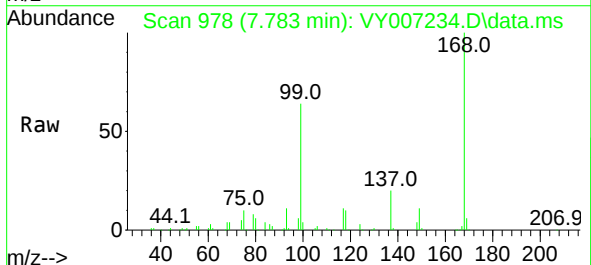
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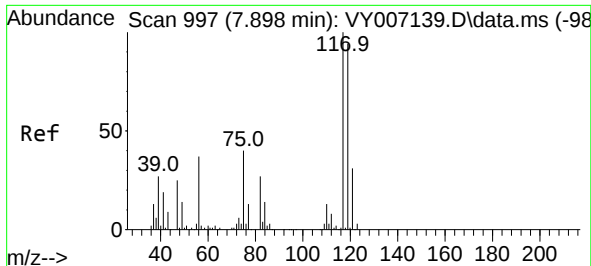
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Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.3 14.2 21.4



#36  
1,1-Dichloropropene  
Concen: 4.690 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Tgt Ion: 75 Resp: 8588  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.3 51.9#  
77 0.0 24.7 37.1#

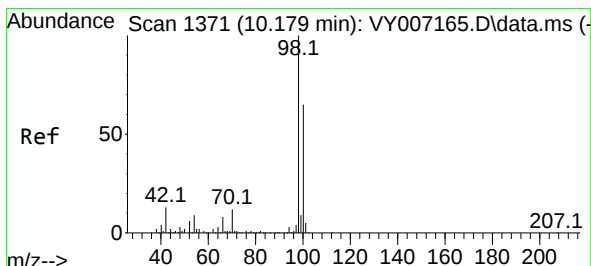
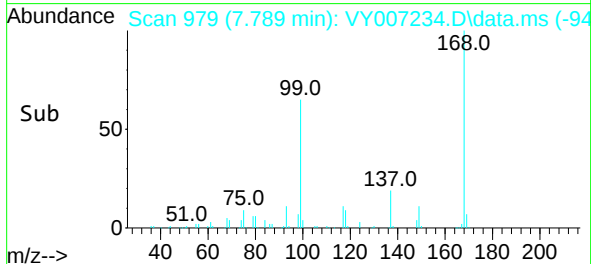
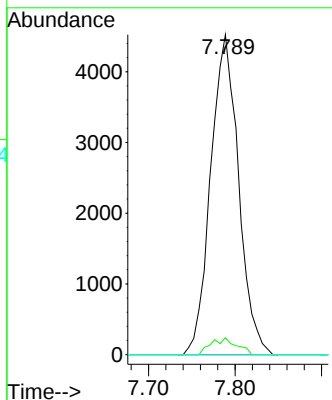
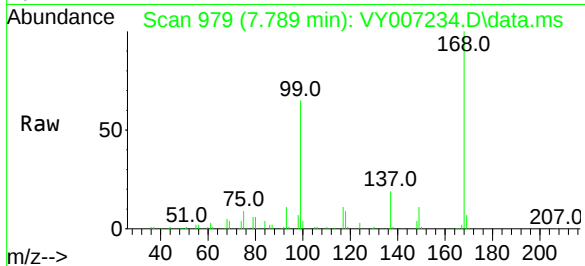




#38  
Carbon Tetrachloride  
Concen: 5.247 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

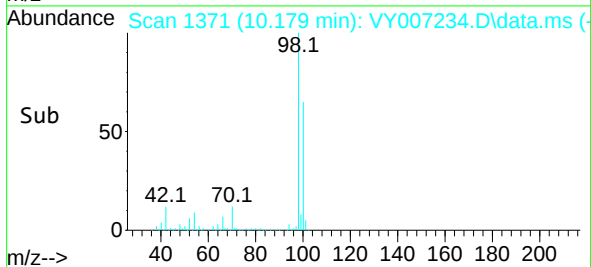
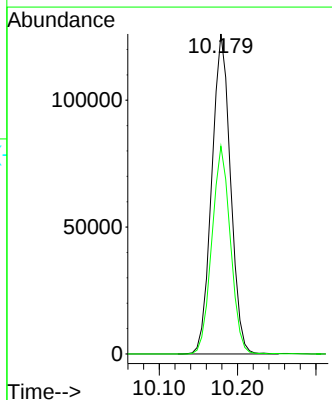
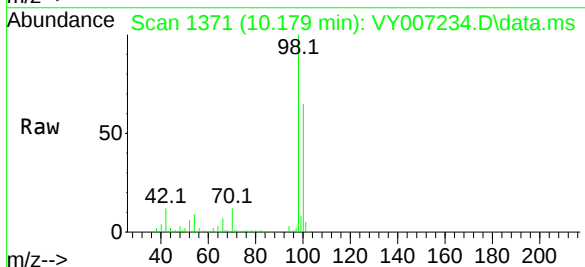
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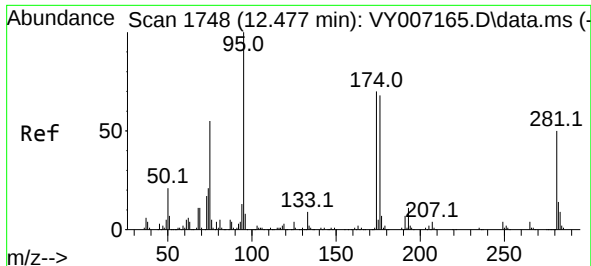
Tgt Ion:117 Resp: 10106  
Ion Ratio Lower Upper  
117 100  
119 5.3 77.2 115.8#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 50.030 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Tgt Ion: 98 Resp: 209598  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 53.826 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

MTR-SOIL-11

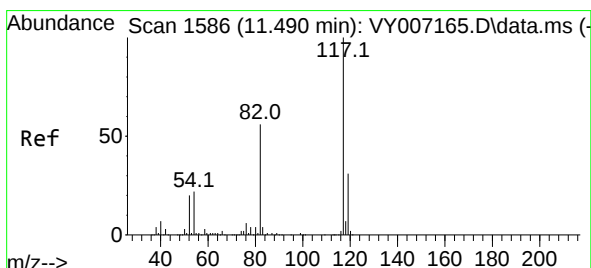
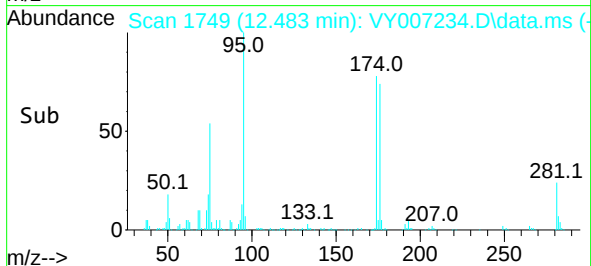
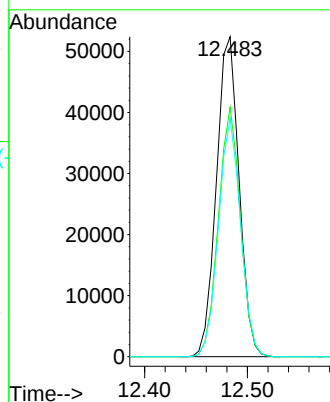
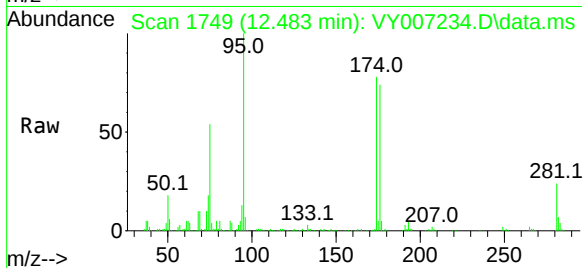
Tgt Ion: 95 Resp: 80214

Ion Ratio Lower Upper

95 100

174 75.7 0.0 148.4

176 72.8 0.0 146.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

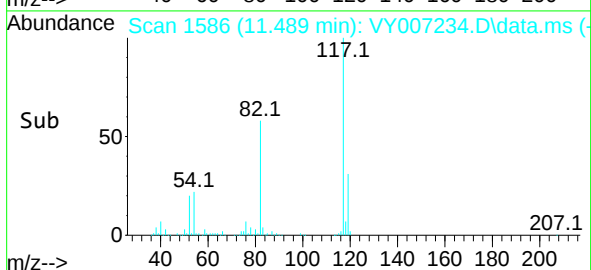
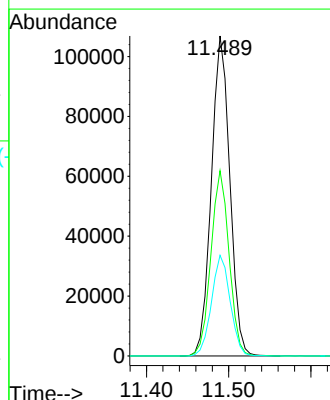
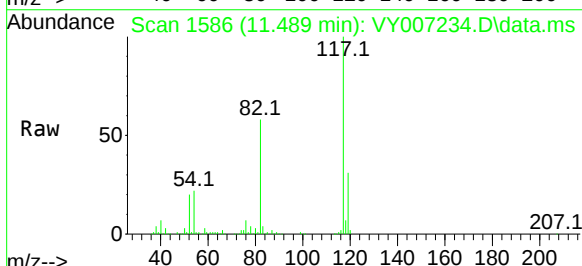
Tgt Ion: 117 Resp: 166927

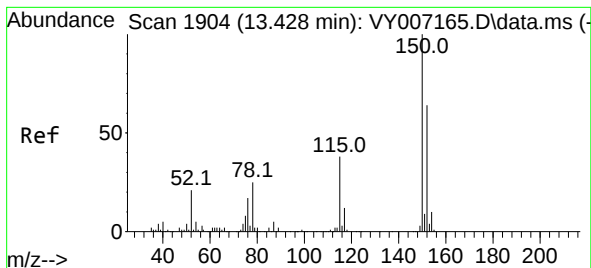
Ion Ratio Lower Upper

117 100

82 57.9 45.4 68.0

119 31.5 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007234.D

Acq: 19 Jan 2022 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

MTR-SOIL-11

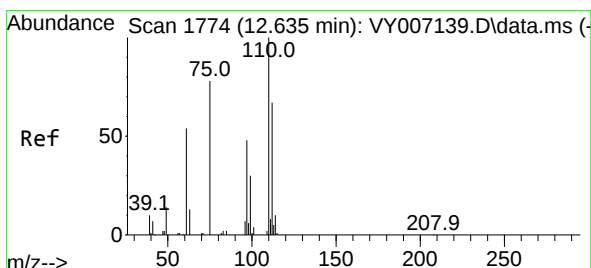
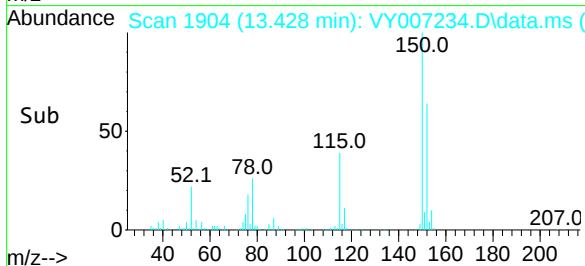
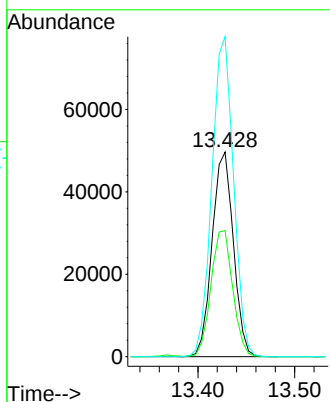
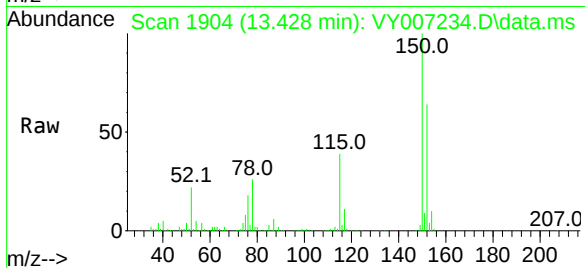
Tgt Ion:152 Resp: 75947

Ion Ratio Lower Upper

152 100

115 63.1 31.4 94.0

150 158.8 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 52.206 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY007234.D

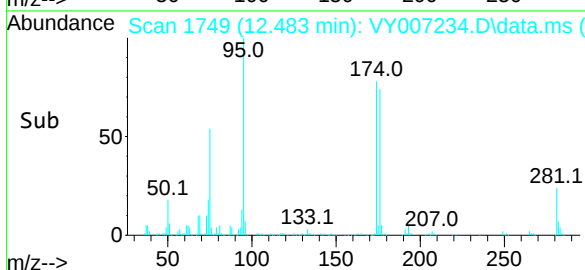
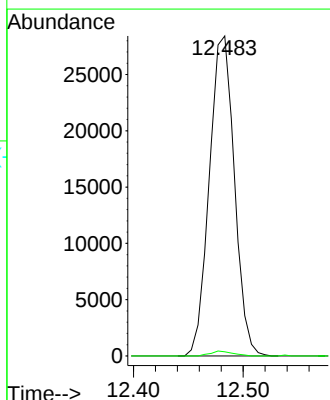
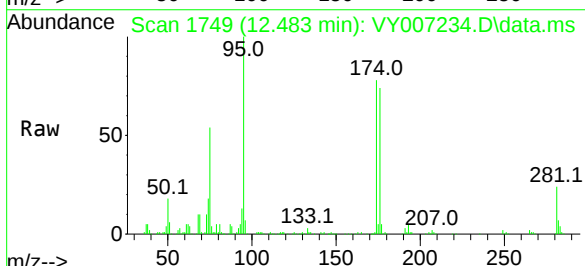
Acq: 19 Jan 2022 20:36

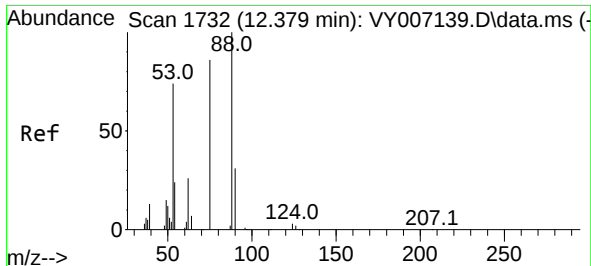
Tgt Ion: 75 Resp: 45210

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

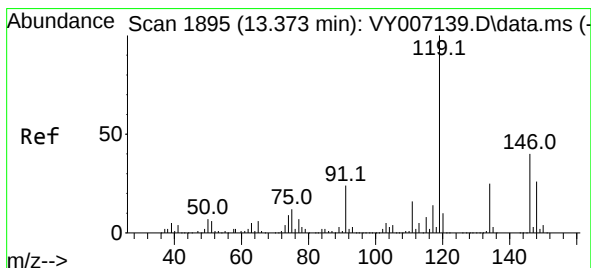
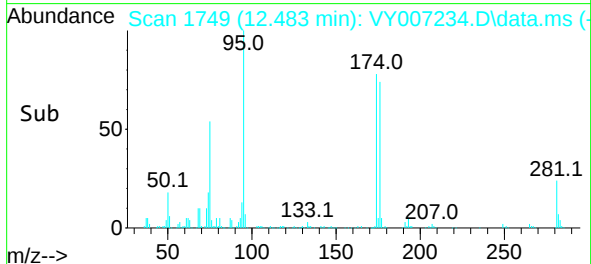
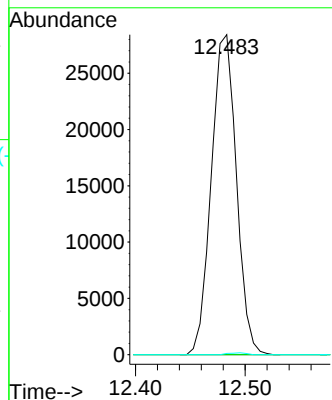
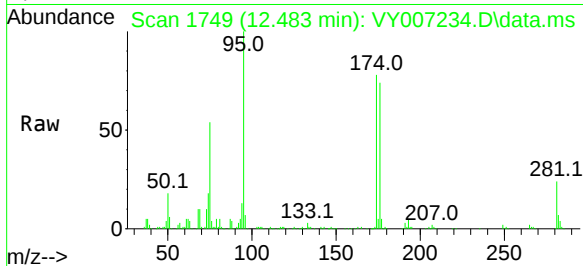




#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.574 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MTR-SOIL-11

Tgt Ion: 75 Resp: 45210  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.9 110.9#  
89 0.4 0.0 0.0#



#86  
p-Isopropyltoluene  
Concen: 1.014 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. 0.000 min  
Lab File: VY007234.D  
Acq: 19 Jan 2022 20:36

Tgt Ion: 119 Resp: 5799  
Ion Ratio Lower Upper  
119 100  
134 25.2 12.9 38.7  
91 26.9 12.4 37.2

