

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121824\  
 Data File : VY020634.D  
 Acq On : 18 Dec 2024 14:30  
 Operator : SY/MD  
 Sample : P5312-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 19 02:48:36 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

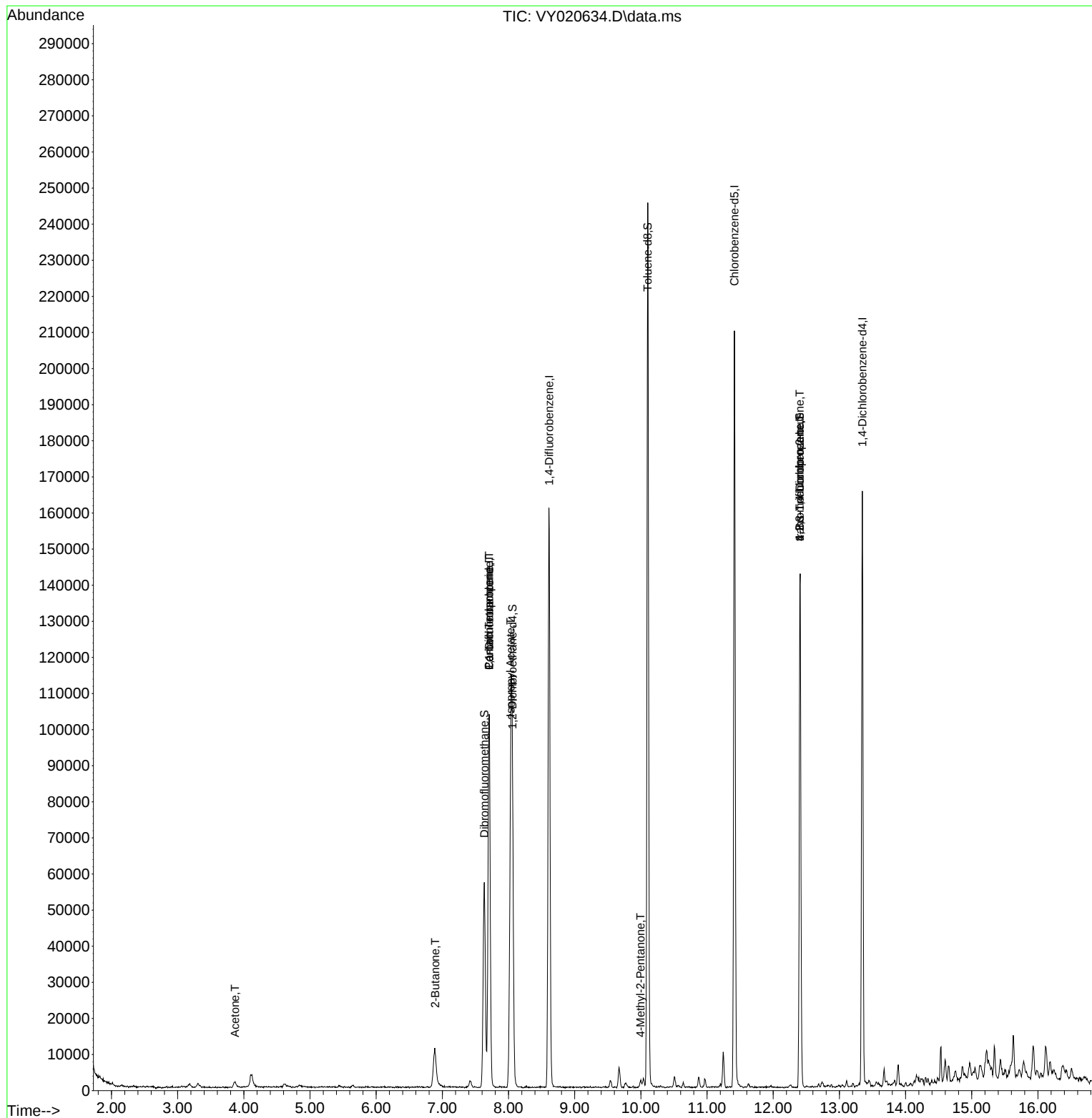
| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) Pentafluorobenzene         | 7.707          | 168  | 79481      | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616          | 114  | 134314     | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 106613     | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 40509      | 50.000    | ug/l  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 43438      | 49.901    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 99.800%   |       |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 39741      | 41.982    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 83.960%   |       |          |
| 50) Toluene-d8                | 10.103         | 98   | 155602     | 46.963    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 93.920%   |       |          |
| 62) 4-Bromofluorobenzene      | 12.401         | 95   | 44258      | 34.148    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 29 - 146 |      | Recovery = | 68.300%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       | Qvalue   |
| 11) Tert butyl alcohol        | 4.842          | 59   | 446        | Below Cal | #     | 75       |
| 16) Acetone                   | 3.866          | 43   | 2895       | 10.576    | ug/l  | 98       |
| 25) 2-Butanone                | 6.890          | 43   | 1174       | 3.629     | ug/l  | 94       |
| 30) Chloroform                | 7.427          | 83   | 1737       | Below Cal | #     | 73       |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 6826       | 3.955     | ug/l  | # 51     |
| 38) Carbon Tetrachloride      | 7.707          | 117  | 8461       | 4.430     | ug/l  | # 16     |
| 43) Isopropyl Acetate         | 8.030          | 43   | 2270       | 1.477     | ug/l  | # 6      |
| 51) 4-Methyl-2-Pentanone      | 9.993          | 43   | 1729       | 2.131     | ug/l  | 91       |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 23711      | 56.346    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 23711      | 118.273   | ug/l  | # 12     |
| -----                         |                |      |            |           |       |          |

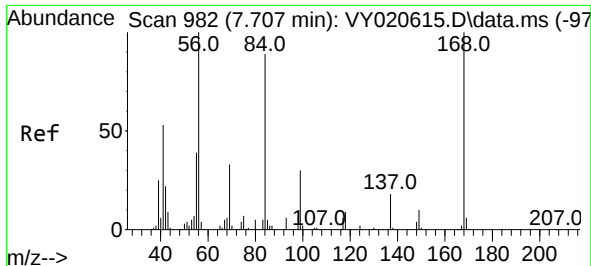
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P5312-01  
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ALS Vial : 13 Sample Multiplier: 1

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

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QLast Update : Wed Dec 18 05:27:13 2024  
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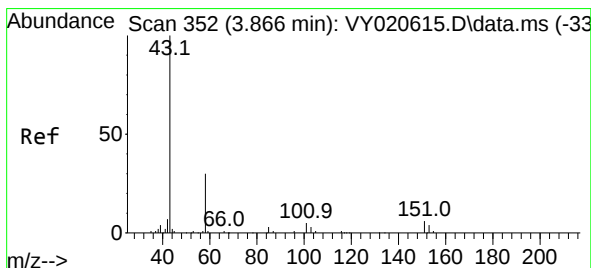
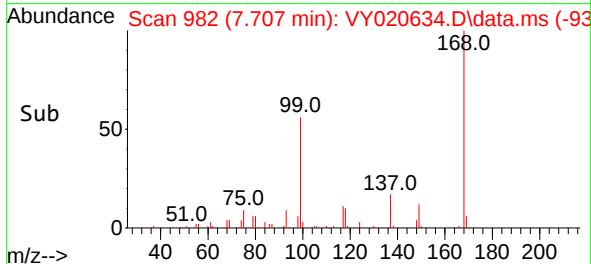
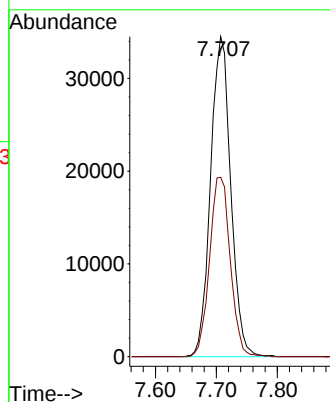
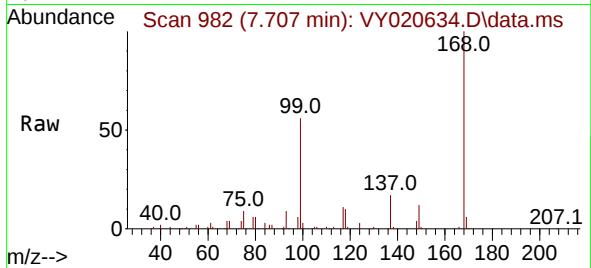




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

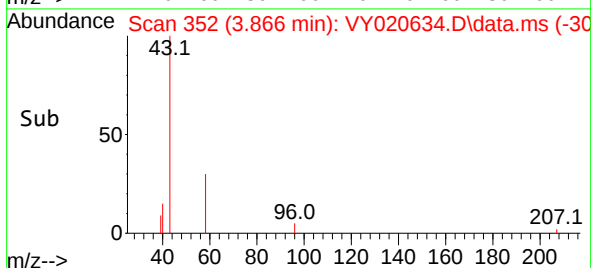
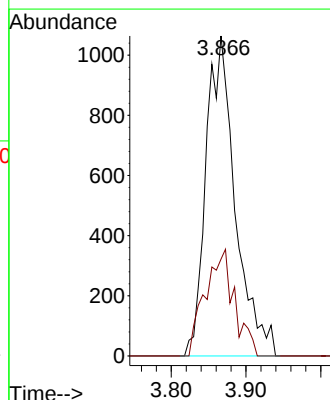
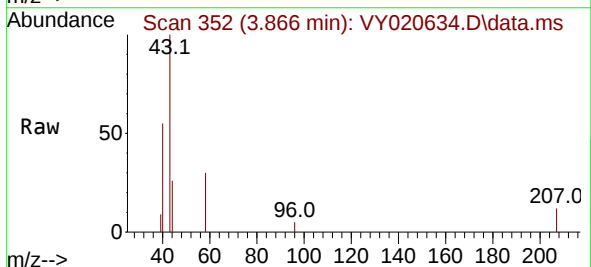
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-VNJ-222

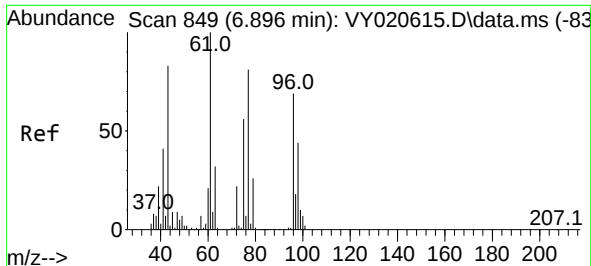
Tgt Ion:168 Resp: 79481  
Ion Ratio Lower Upper  
168 100  
99 56.1 47.0 70.6



#16  
Acetone  
Concen: 10.576 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

Tgt Ion: 43 Resp: 2895  
Ion Ratio Lower Upper  
43 100  
58 30.3 25.0 37.6

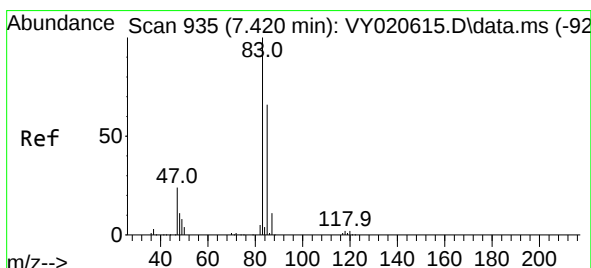
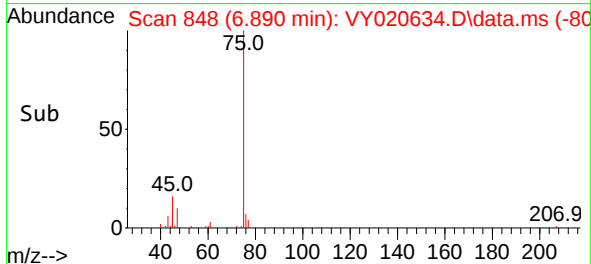
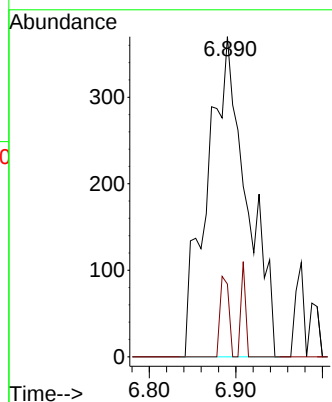
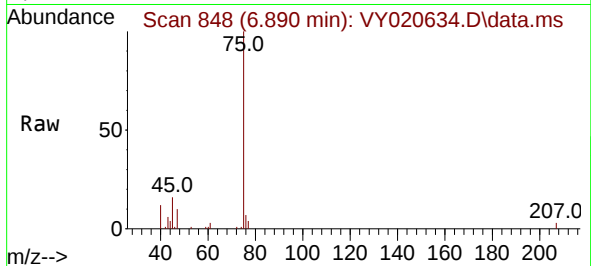




#25  
2-Butanone  
Concen: 3.629 ug/l  
RT: 6.890 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

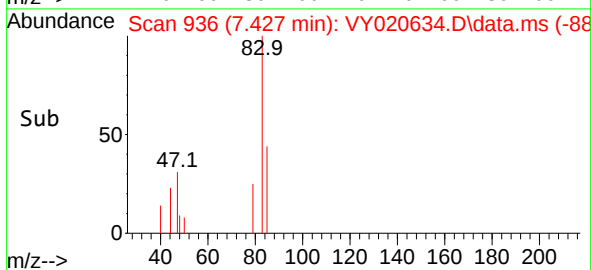
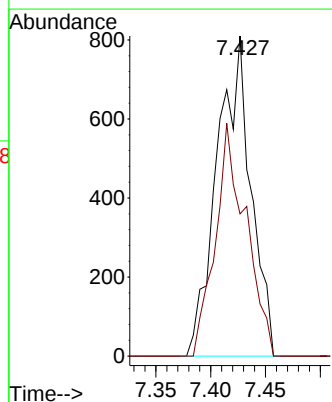
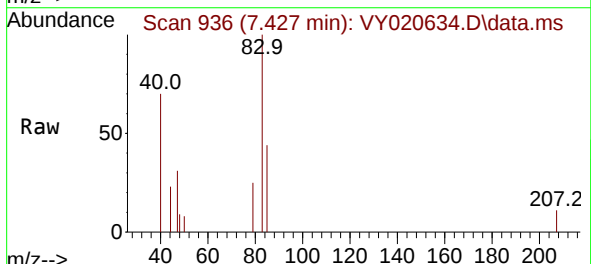
Instrument :  
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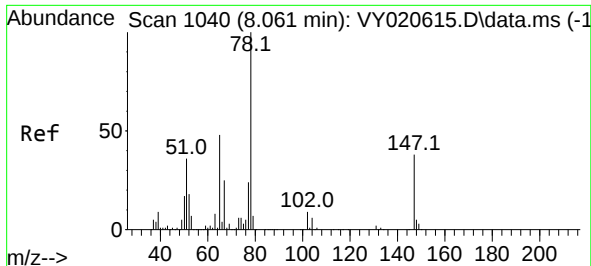
Tgt Ion: 43 Resp: 1174  
Ion Ratio Lower Upper  
43 100  
72 22.7 20.6 31.0



#30  
Chloroform  
Concen: Below Cal  
RT: 7.427 min Scan# 936  
Delta R.T. 0.007 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

Tgt Ion: 83 Resp: 1737  
Ion Ratio Lower Upper  
83 100  
85 44.4 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 49.901 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020634.D

Acq: 18 Dec 2024 14:30

Instrument :

MSVOA\_Y

ClientSampleId :

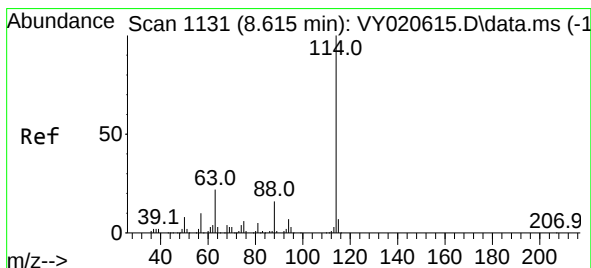
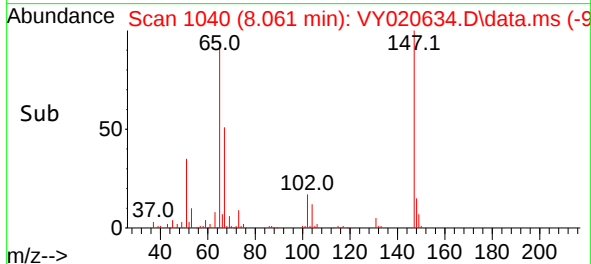
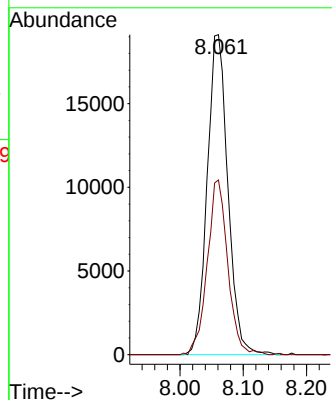
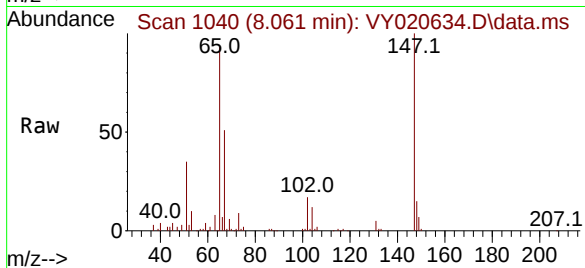
SOIL-VNJ-222

Tgt Ion: 65 Resp: 43438

Ion Ratio Lower Upper

65 100

67 54.1 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: VY020634.D

Acq: 18 Dec 2024 14:30

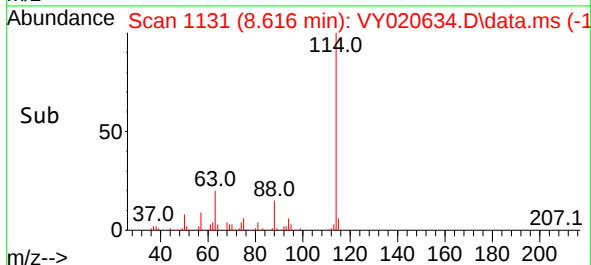
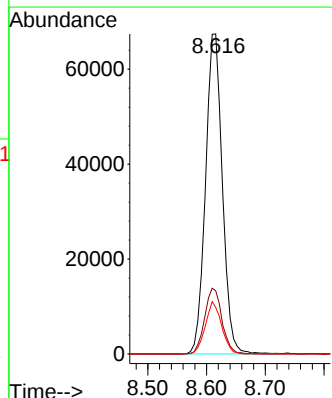
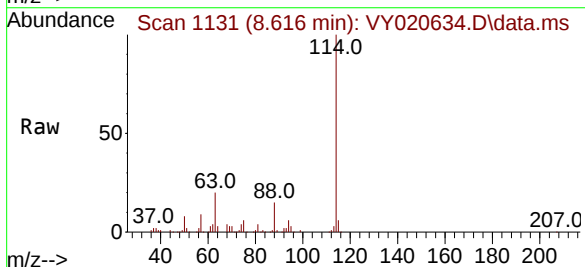
Tgt Ion: 114 Resp: 134314

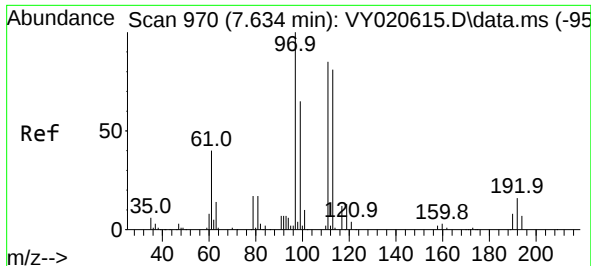
Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.0

88 14.5 0.0 32.8

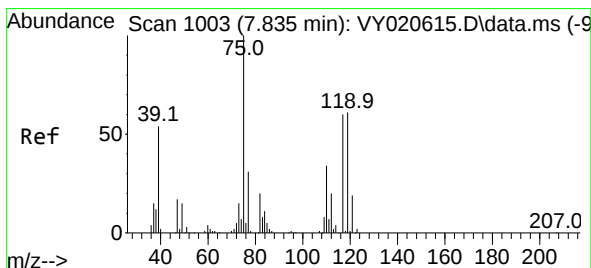
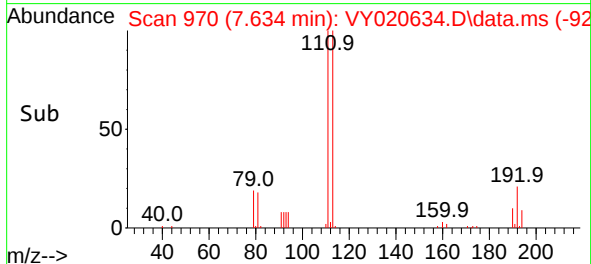
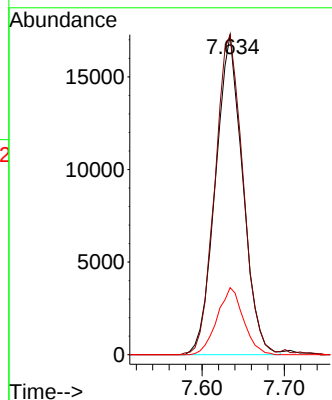
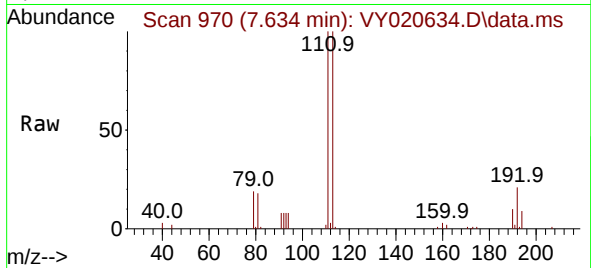




#35  
Dibromofluoromethane  
Concen: 41.982 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

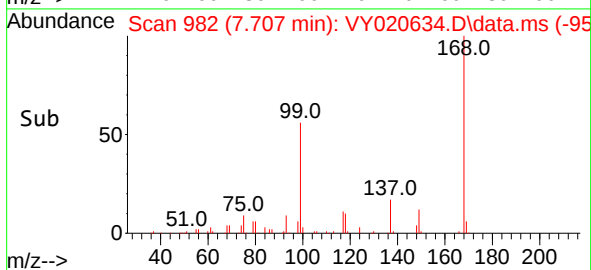
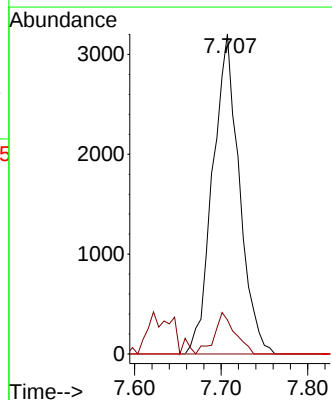
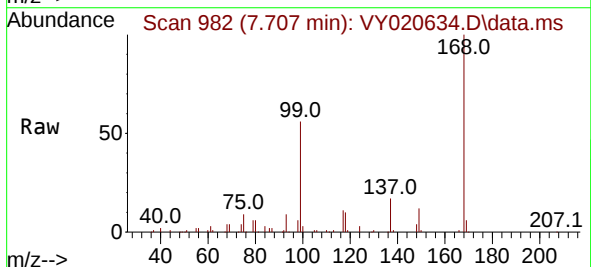
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-VNJ-222

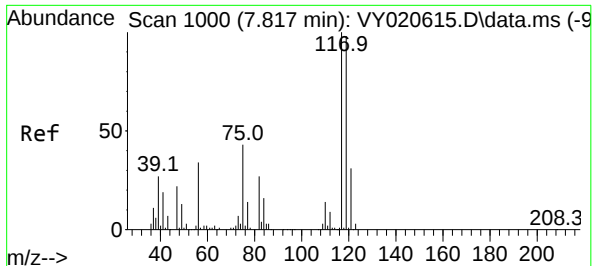
Tgt Ion:113 Resp: 39741  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.9 124.3  
192 20.2 15.7 23.5



#36  
1,1-Dichloropropene  
Concen: 3.955 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

Tgt Ion: 75 Resp: 6826  
Ion Ratio Lower Upper  
75 100  
110 10.0 16.8 50.4#  
77 0.0 25.0 37.6#

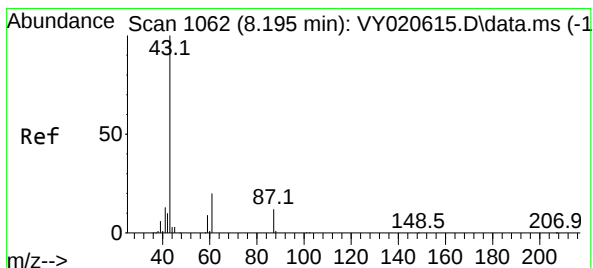
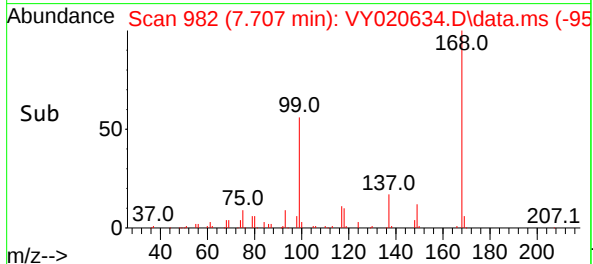
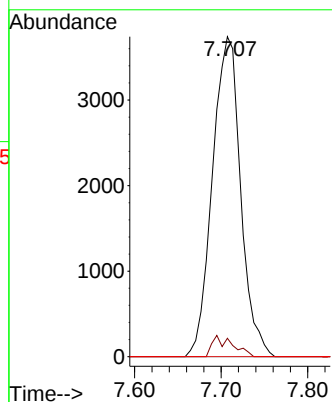
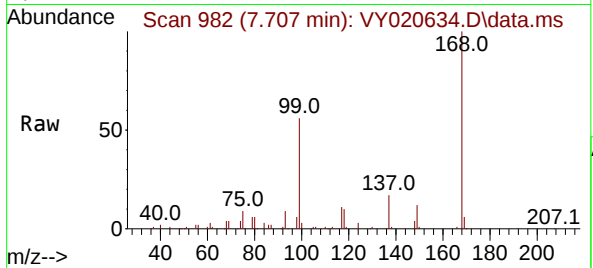




#38  
Carbon Tetrachloride  
Concen: 4.430 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

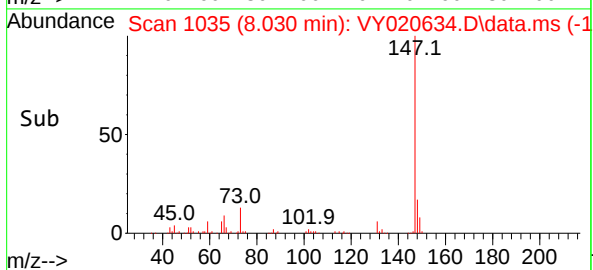
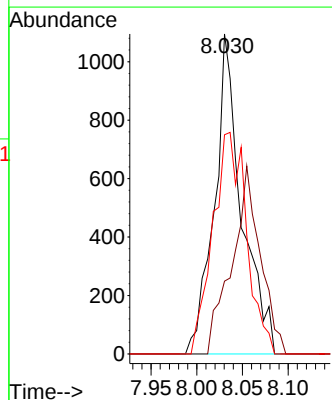
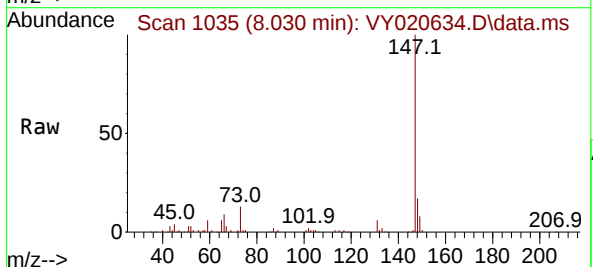
Instrument :  
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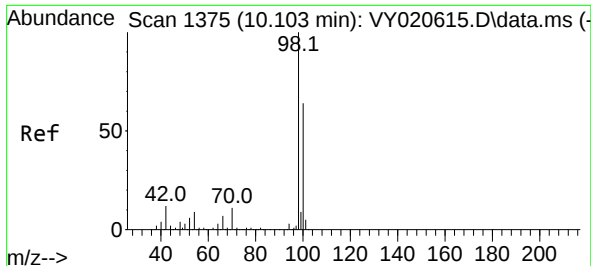
Tgt Ion:117 Resp: 8461  
Ion Ratio Lower Upper  
117 100  
119 5.7 78.3 117.5#  
121 0.0 25.1 37.7#



#43  
Isopropyl Acetate  
Concen: 1.477 ug/l  
RT: 8.030 min Scan# 1035  
Delta R.T. -0.164 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

Tgt Ion: 43 Resp: 2270  
Ion Ratio Lower Upper  
43 100  
61 0.0 23.8 35.6#  
87 85.3 10.2 15.4#

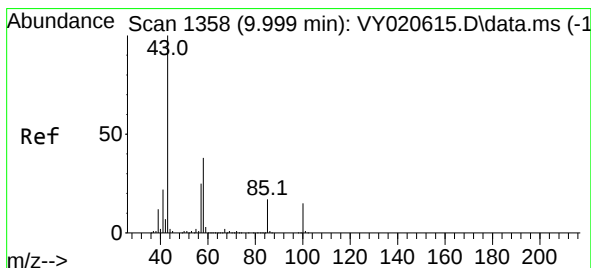
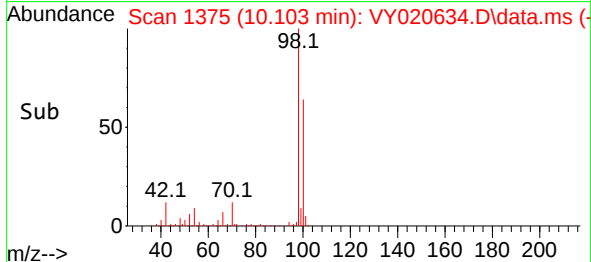
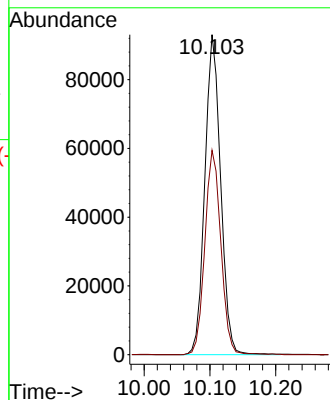
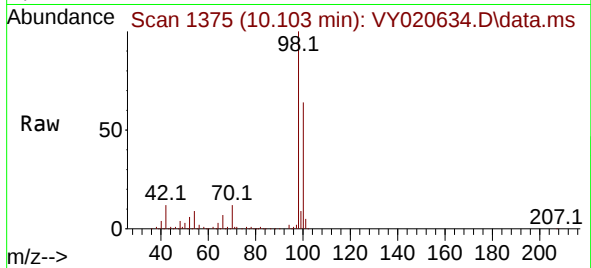




#50  
Toluene-d8  
Concen: 46.963 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

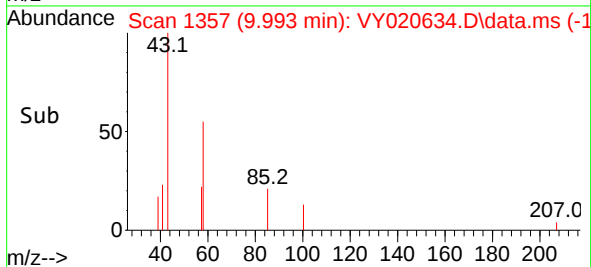
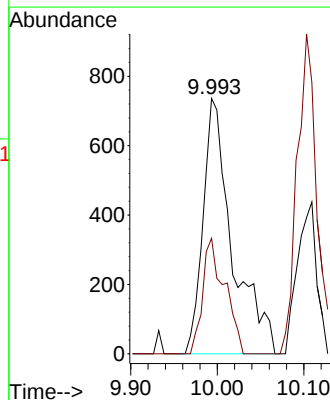
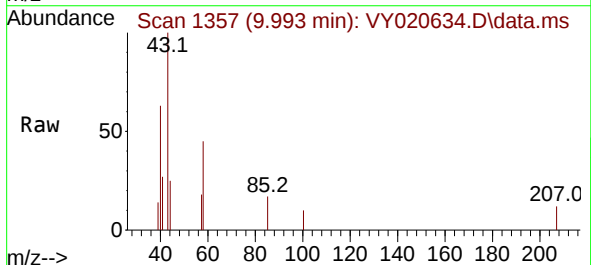
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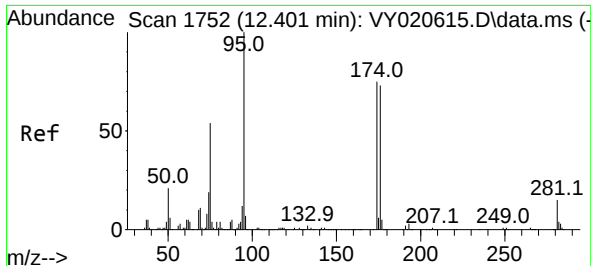
Tgt Ion: 98 Resp: 155602  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 2.131 ug/l  
RT: 9.993 min Scan# 1357  
Delta R.T. -0.006 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

Tgt Ion: 43 Resp: 1729  
Ion Ratio Lower Upper  
43 100  
58 34.1 31.4 47.2

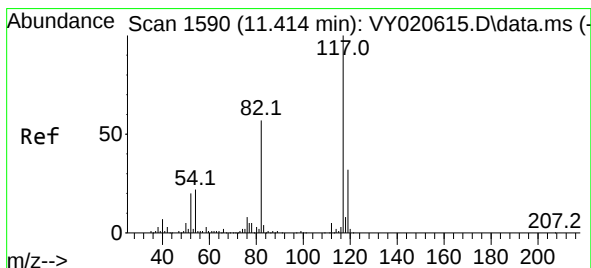
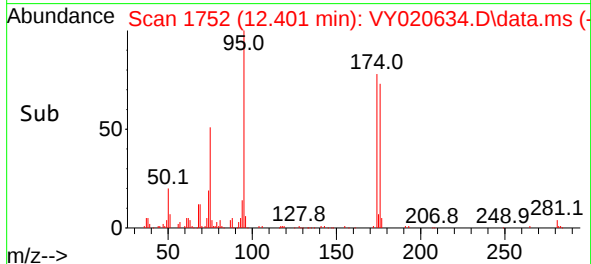
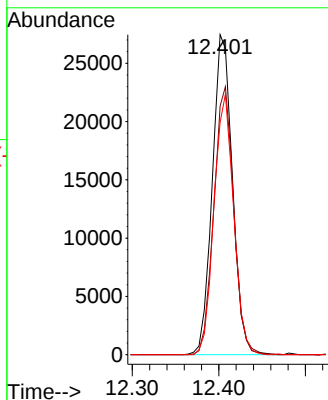
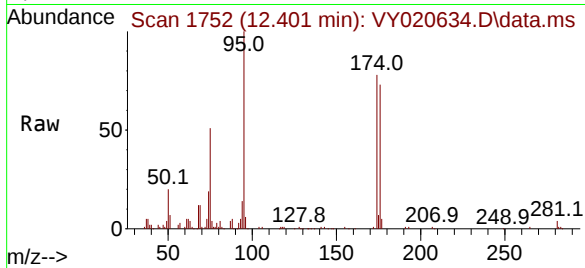




#62  
4-Bromofluorobenzene  
Concen: 34.148 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

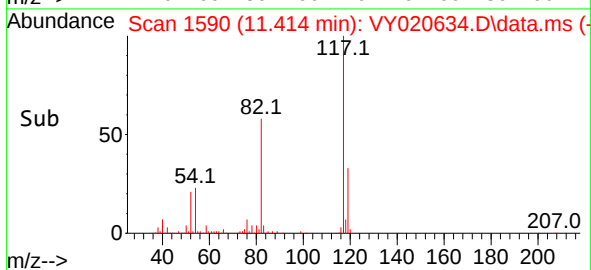
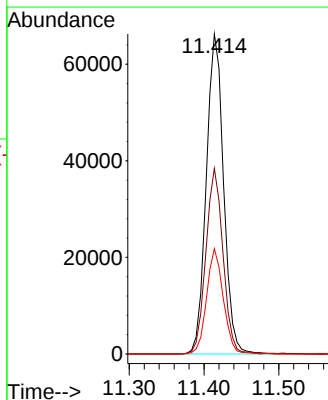
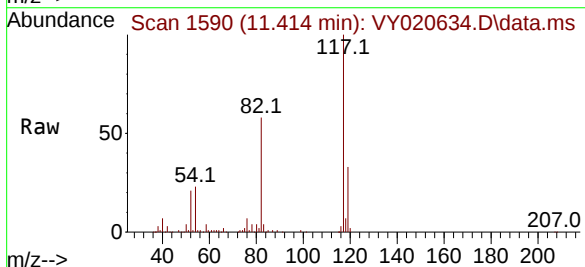
Instrument :  
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ClientSampleId :  
SOIL-VNJ-222

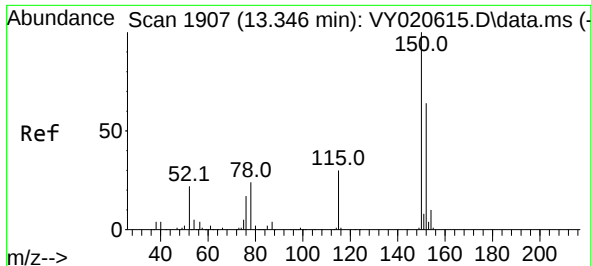
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 44258 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 82.7  | 0.0   | 161.8 |
| 176       | 79.7  | 0.0   | 156.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY020634.D  
Acq: 18 Dec 2024 14:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 106613 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.0  | 45.8  | 68.6   |
| 119       | 32.9  | 25.3  | 37.9   |

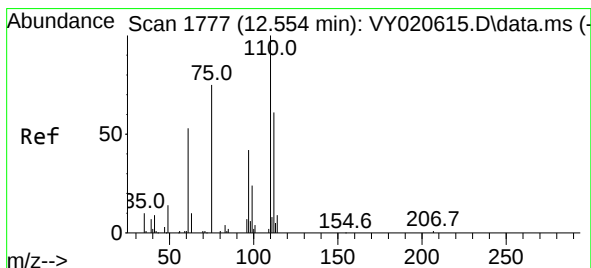
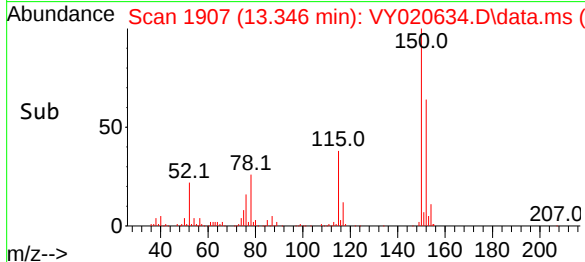
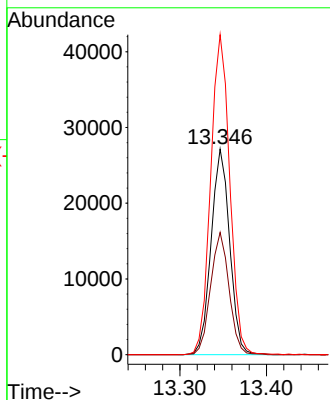
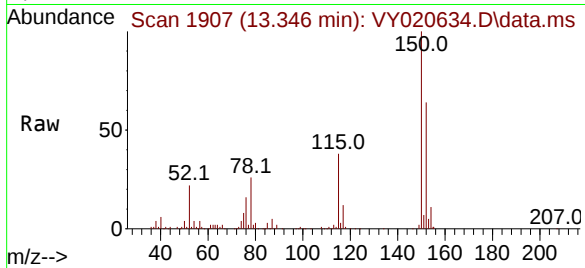




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY020634.D  
 Acq: 18 Dec 2024 14:30

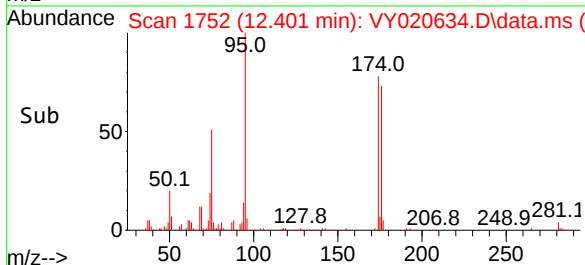
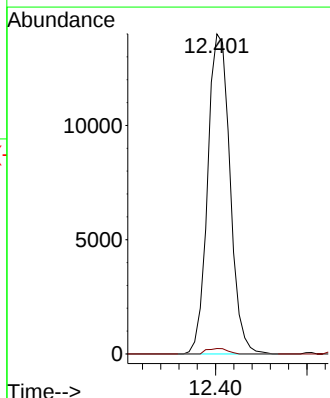
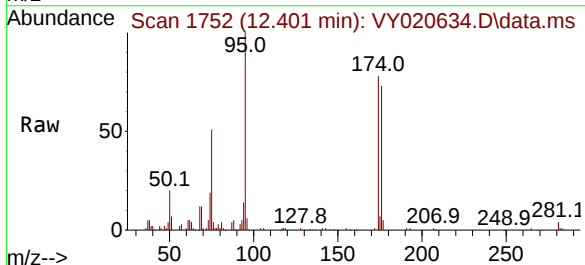
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-VNJ-222

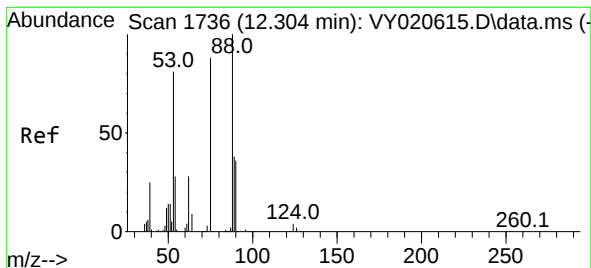
Tgt Ion:152 Resp: 40509  
 Ion Ratio Lower Upper  
 152 100  
 115 59.0 30.2 90.6  
 150 159.5 0.0 355.4



#76  
 1,2,3-Trichloropropane  
 Concen: 56.346 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. -0.152 min  
 Lab File: VY020634.D  
 Acq: 18 Dec 2024 14:30

Tgt Ion: 75 Resp: 23711  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 118.273 ug/l  
 RT: 12.401 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY020634.D  
 Acq: 18 Dec 2024 14:30

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

Tgt Ion: 75 Resp: 23711  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 75.4 113.2#  
 89 0.3 37.0 55.4#

