

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110823\  
 Data File : VY016264.D  
 Acq On : 08 Nov 2023 15:35  
 Operator : SY/MD  
 Sample : 05047-23  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOIL

Quant Time: Nov 09 12:00:33 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  | 180463              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 291661              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.502         | 117  | 252065              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434         | 152  | 118573              | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 83858               | 50.843  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 101.680% |         |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 87228               | 52.648  | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 105.300% |         |        |          |
| 50) Toluene-d8                | 10.191         | 98   | 354646              | 52.785  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 105.560% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 115050              | 52.723  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 105.440% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 3.881          | 96   | 79532               | 43.612  | ug/l   | 91       |
| 16) Acetone                   | 3.954          | 43   | 94597               | 346.732 | ug/l   | 91       |
| 19) Methyl tert-butyl Ether   | 5.229          | 73   | 805580              | 182.514 | ug/l   | 99       |
| 20) Methylene Chloride        | 4.723          | 84   | 311017              | 169.705 | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene  | 5.235          | 96   | 261125              | 124.363 | ug/l   | 91       |
| 24) 1,1-Dichloroethane        | 6.027          | 63   | 498204              | 144.799 | ug/l   | 96       |
| 25) 2-Butanone                | 6.997          | 43   | 171479              | 358.843 | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene    | 6.997          | 96   | 208209              | 92.013  | ug/l   | 82       |
| 30) Chloroform                | 7.515          | 83   | 207615              | 57.971  | ug/l   | 99       |
| 31) Cyclohexane               | 7.795          | 56   | 3788                | 1.167   | ug/l # | 1        |
| 32) 1,1,1-Trichloroethane     | 7.716          | 97   | 126140              | 38.423  | ug/l   | 97       |
| 44) Trichloroethene           | 8.947          | 130  | 163271              | 70.285  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.228          | 63   | 81746               | 42.112  | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.075         | 43   | 200524              | 176.484 | ug/l   | 91       |
| 52) Toluene                   | 10.252         | 92   | 627586              | 122.831 | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471         | 75   | 94272               | 35.959  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935          | 75   | 383012              | 122.318 | ug/l # | 90       |
| 59) 2-Hexanone                | 10.837         | 43   | 92016               | 108.876 | ug/l   | 88       |
| 61) 1,2-Dibromoethane         | 11.099         | 107  | 60217               | 43.595  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.728         | 164  | 44989               | 19.878  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599         | 131  | 365891              | 184.205 | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599         | 91   | 1655269             | 171.025 | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.715         | 106  | 468099              | 127.514 | ug/l   | 95       |
| 69) o-Xylene                  | 12.038         | 106  | 466163              | 136.771 | ug/l   | 96       |
| 70) Styrene                   | 12.057         | 104  | 1080258             | 221.346 | ug/l   | 94       |
| 71) Bromoform                 | 12.221         | 173  | 169773              | 164.720 | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.337         | 105  | 1398317             | 145.630 | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.593         | 83   | 92158               | 59.814  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130         | 105  | 799685              | 104.909 | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.453         | 146  | 604994              | 148.273 | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.703         | 91   | 699552              | 90.305  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.745         | 146  | 384754              | 107.545 | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.019         | 180  | 130695              | 62.585  | ug/l   | 98       |
| 95) Naphthalene               | 15.251         | 128  | 3847                | 1.030   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.434         | 180  | 296604              | 171.722 | ug/l   | 98       |
| -----                         |                |      |                     |         |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110823\  
Data File : VY016264.D  
Acq On : 08 Nov 2023 15:35  
Operator : SY/MD  
Sample : 05047-23  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

Quant Time: Nov 09 12:00:33 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

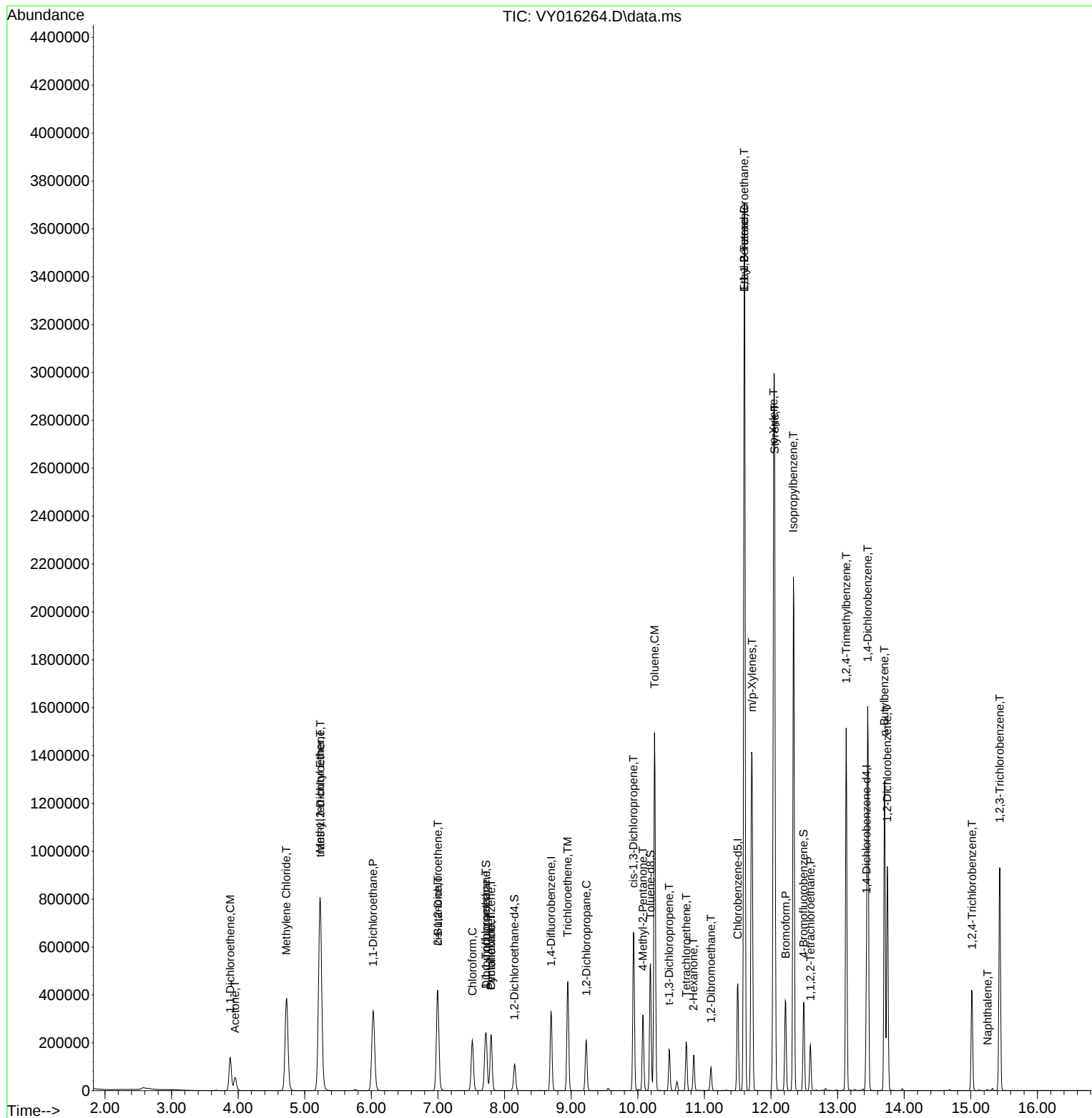
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

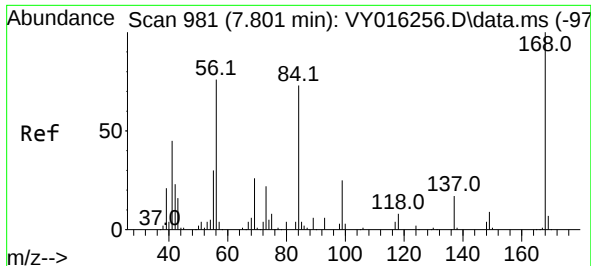
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110823\  
Data File : VY016264.D  
Acq On : 08 Nov 2023 15:35  
Operator : SY/MD  
Sample : 05047-23  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

Quant Time: Nov 09 12:00:33 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

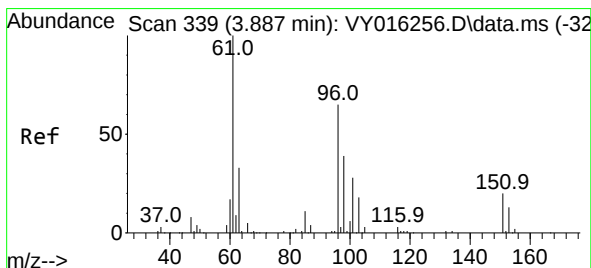
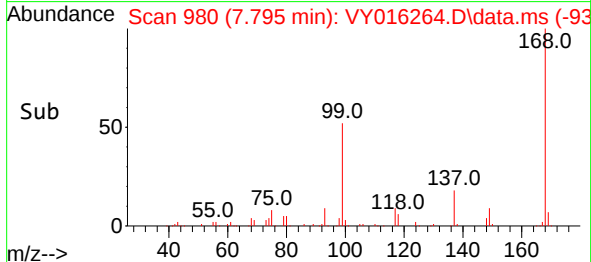
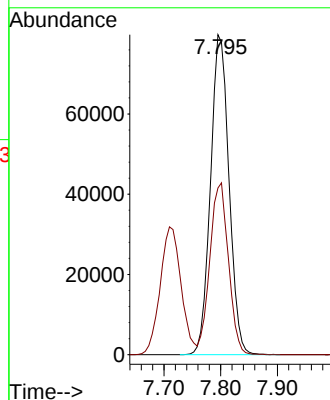
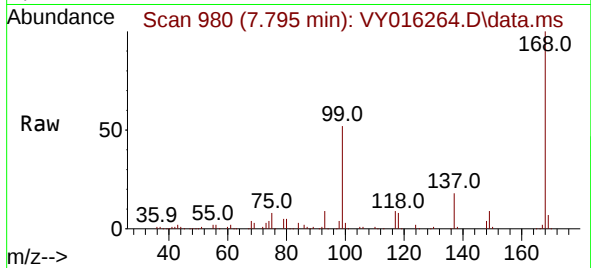




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

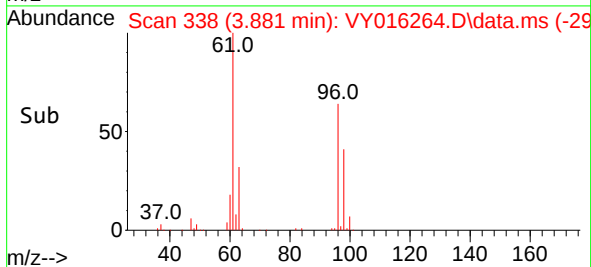
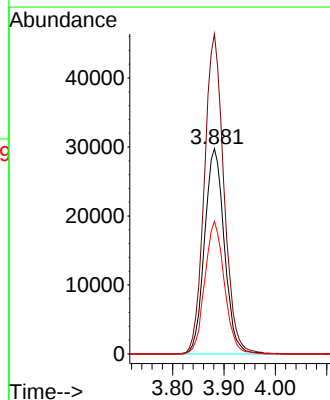
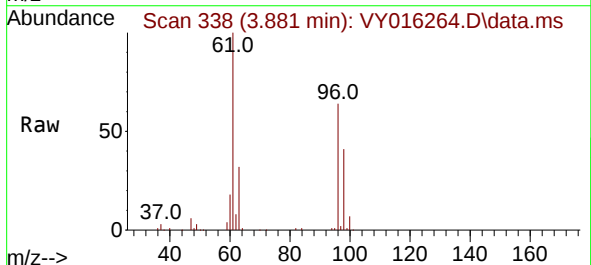
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

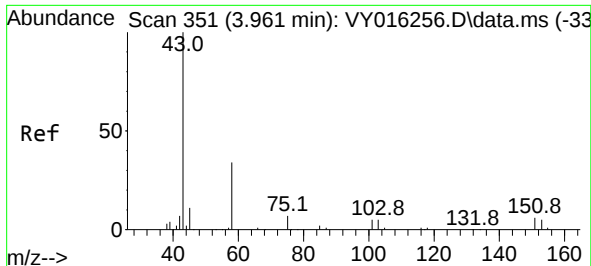
Tgt Ion:168 Resp: 180463  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0



#12  
1,1-Dichloroethene  
Concen: 43.612 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 96 Resp: 79532  
Ion Ratio Lower Upper  
96 100  
61 155.9 136.4 204.6  
98 64.6 49.4 74.2

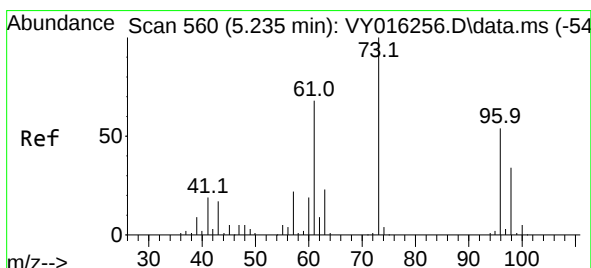
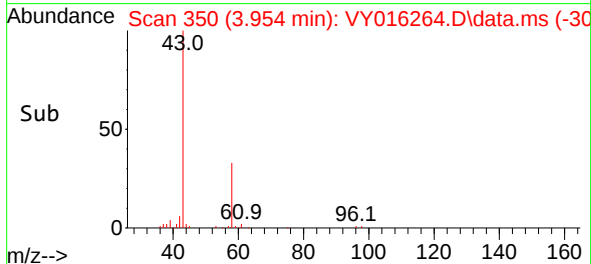
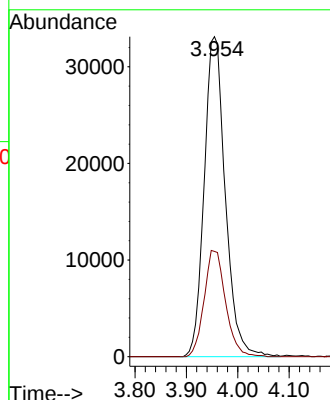
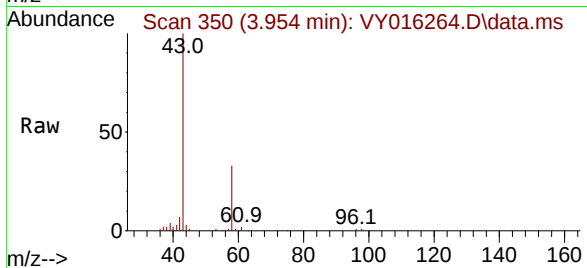




#16  
Acetone  
Concen: 346.732 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

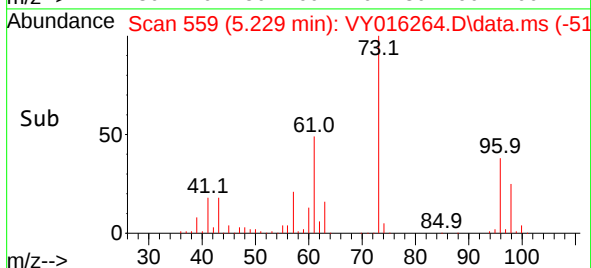
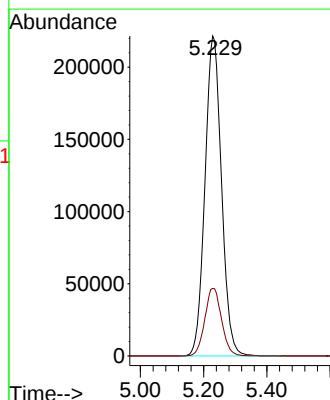
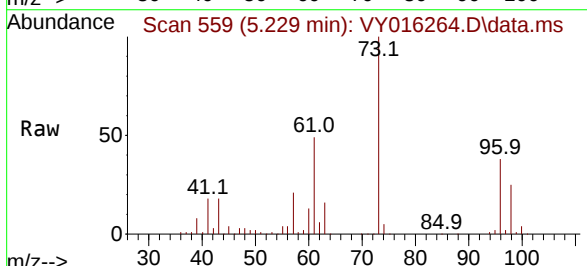
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

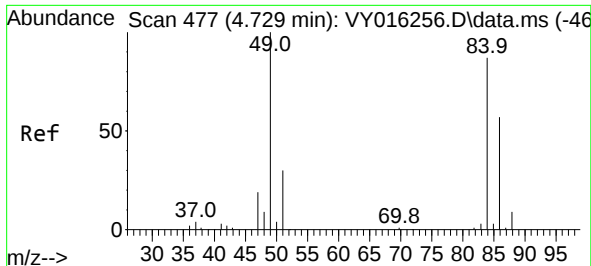
Tgt Ion: 43 Resp: 94597  
Ion Ratio Lower Upper  
43 100  
58 32.9 22.7 34.1



#19  
Methyl tert-butyl Ether  
Concen: 182.514 ug/l  
RT: 5.229 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 73 Resp: 805580  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.3 25.9

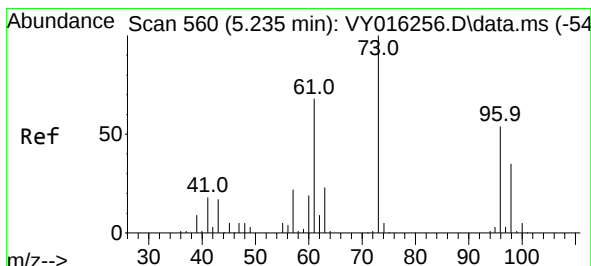
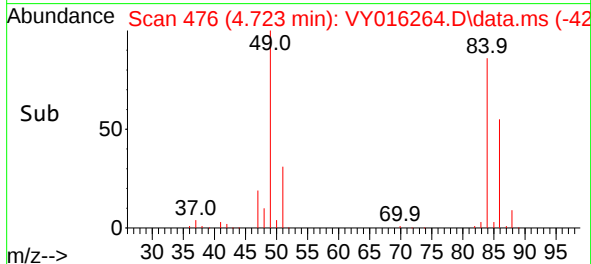
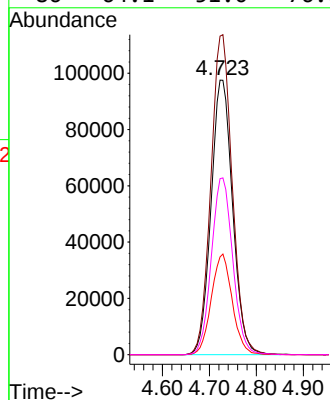
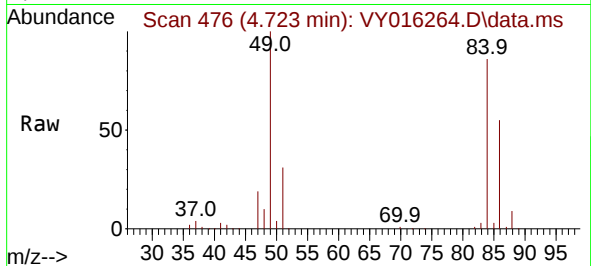




#20  
Methylene Chloride  
Concen: 169.705 ug/l  
RT: 4.723 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

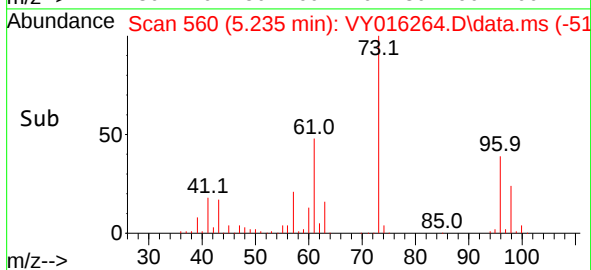
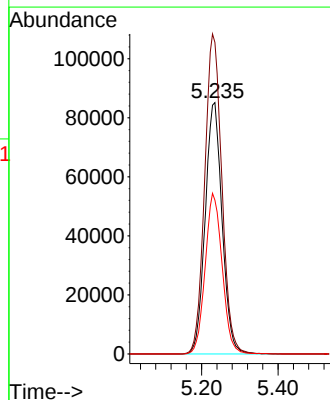
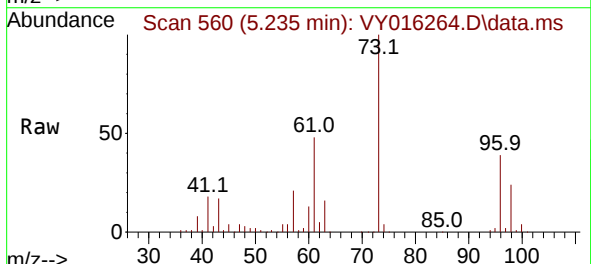
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

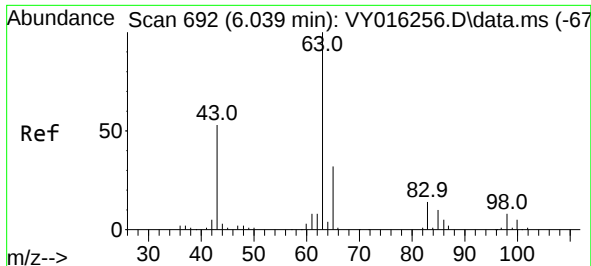
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 311017 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 116.0 | 106.9 | 160.3  |
| 51       | 35.6  | 33.2  | 49.8   |
| 86       | 64.1  | 51.0  | 76.6   |



#21  
trans-1,2-Dichloroethene  
Concen: 124.363 ug/l  
RT: 5.235 min Scan# 560  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 261125 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 123.9 | 110.2 | 165.4  |
| 98       | 61.2  | 51.8  | 77.6   |

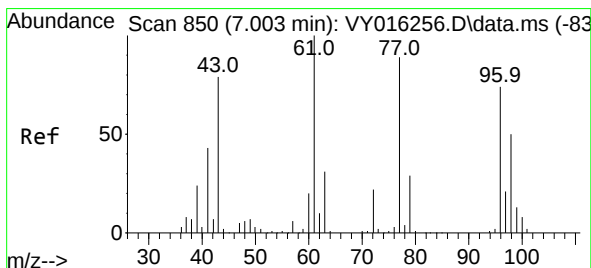
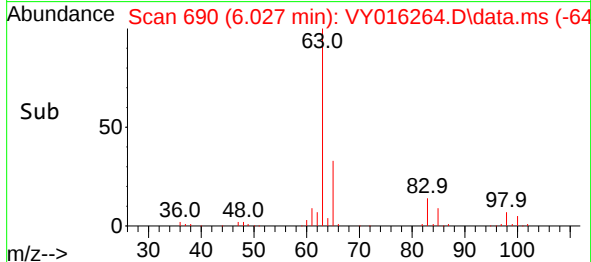
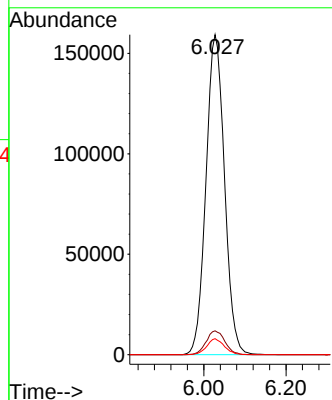
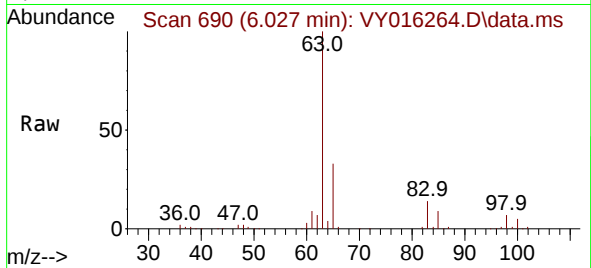




#24  
1,1-Dichloroethane  
Concen: 144.799 ug/l  
RT: 6.027 min Scan# 64  
Delta R.T. -0.012 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

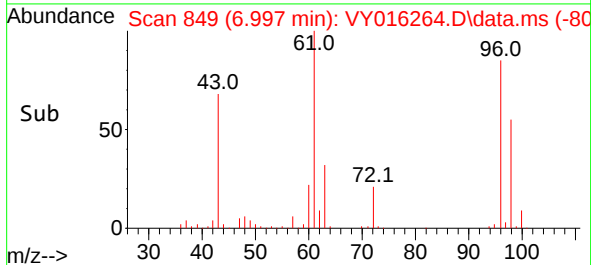
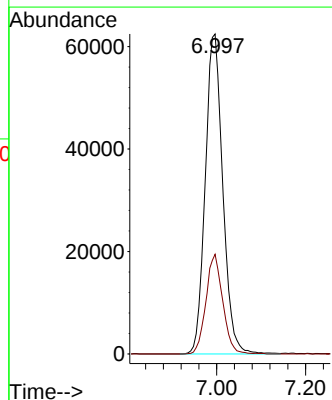
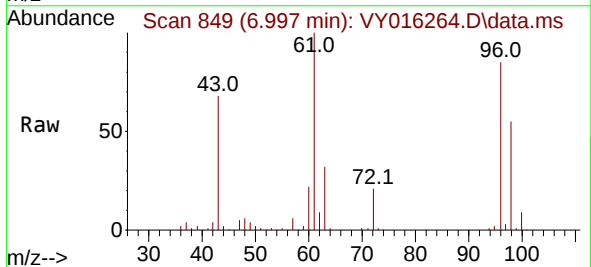
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

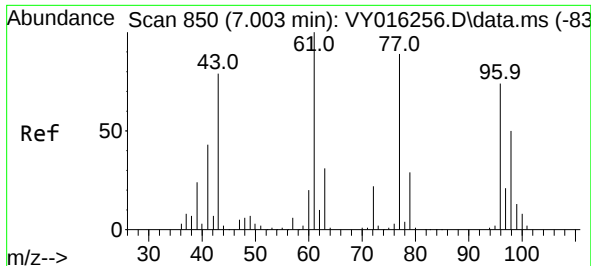
Tgt Ion: 63 Resp: 498204  
Ion Ratio Lower Upper  
63 100  
98 7.5 3.1 9.4  
100 5.0 1.8 5.5



#25  
2-Butanone  
Concen: 358.843 ug/l  
RT: 6.997 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 43 Resp: 171479  
Ion Ratio Lower Upper  
43 100  
72 31.1 20.5 30.7#

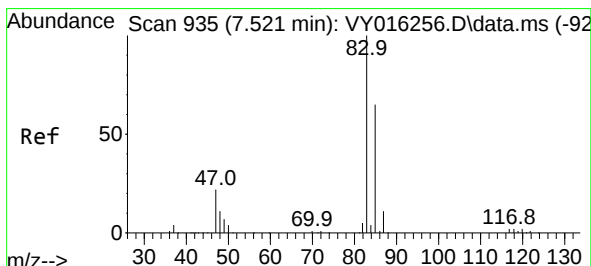
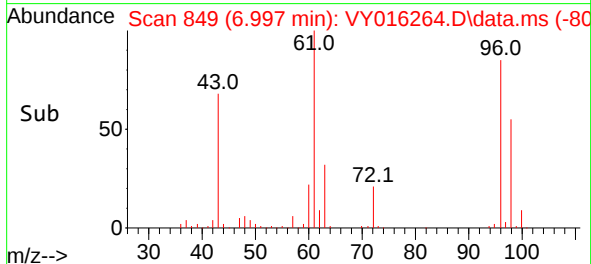
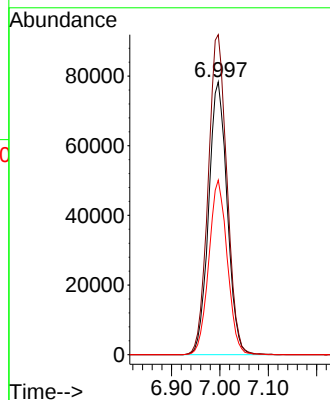
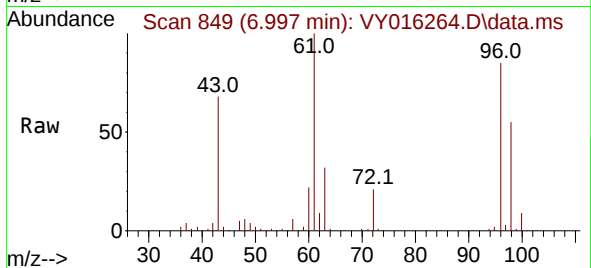




#27  
 cis-1,2-Dichloroethene  
 Concen: 92.013 ug/l  
 RT: 6.997 min Scan# 849  
 Delta R.T. -0.006 min  
 Lab File: VY016264.D  
 Acq: 08 Nov 2023 15:35

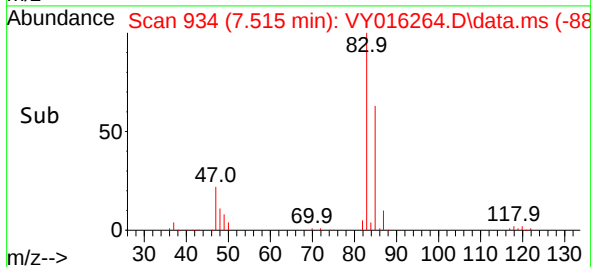
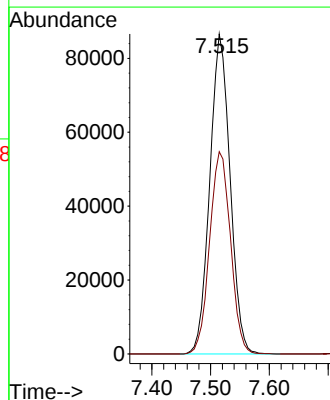
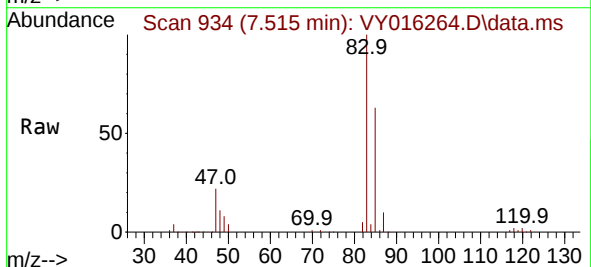
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOIL

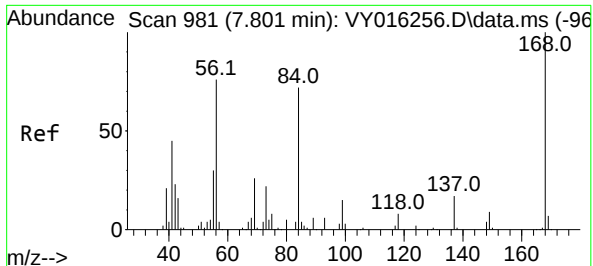
Tgt Ion: 96 Resp: 208209  
 Ion Ratio Lower Upper  
 96 100  
 61 119.0 0.0 301.4  
 98 63.7 0.0 130.4



#30  
 Chloroform  
 Concen: 57.971 ug/l  
 RT: 7.515 min Scan# 934  
 Delta R.T. -0.006 min  
 Lab File: VY016264.D  
 Acq: 08 Nov 2023 15:35

Tgt Ion: 83 Resp: 207615  
 Ion Ratio Lower Upper  
 83 100  
 85 63.2 49.7 74.5

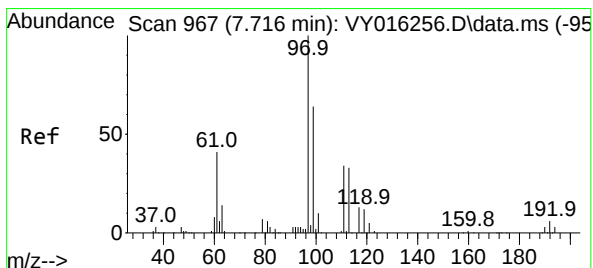
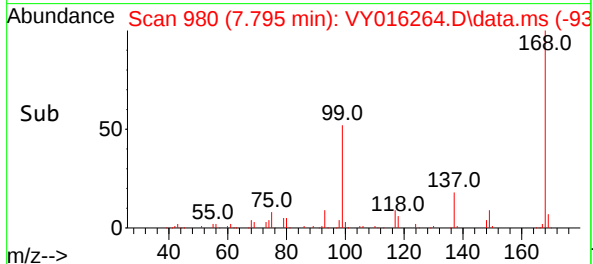
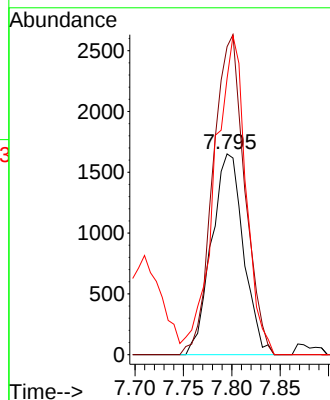
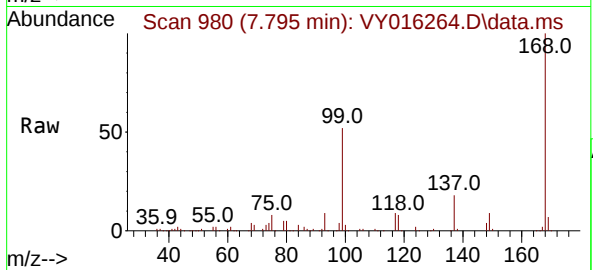




#31  
Cyclohexane  
Concen: 1.167 ug/l  
RT: 7.795 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

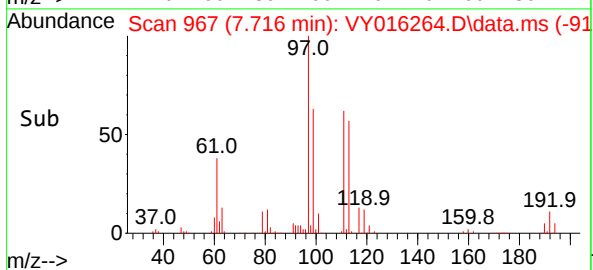
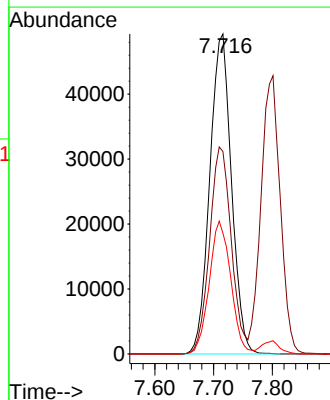
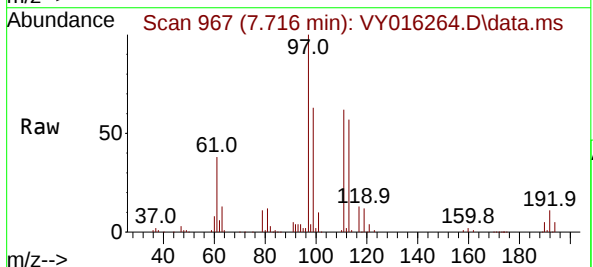
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

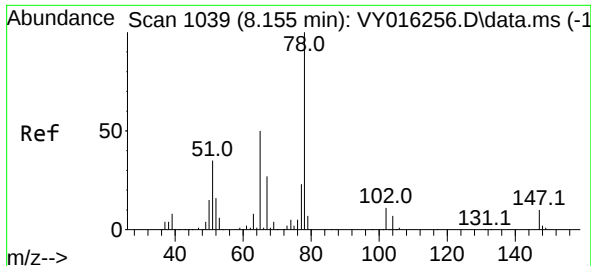
Tgt Ion: 56 Resp: 3788  
Ion Ratio Lower Upper  
56 100  
69 153.4 27.8 41.6#  
84 137.6 66.4 99.6#



#32  
1,1,1-Trichloroethane  
Concen: 38.423 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 97 Resp: 126140  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.8 76.2  
61 41.4 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 50.843 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

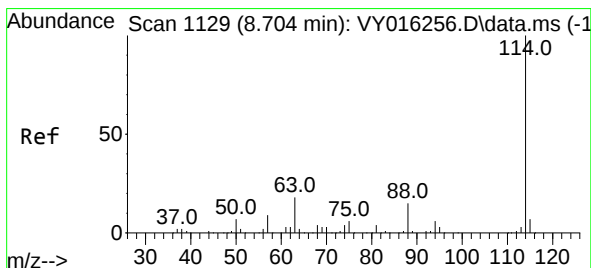
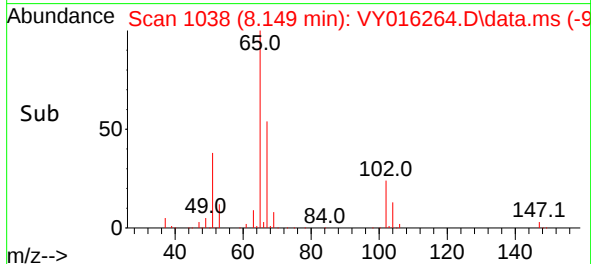
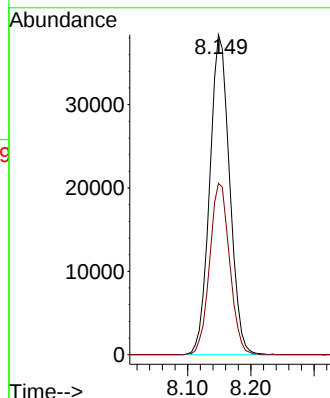
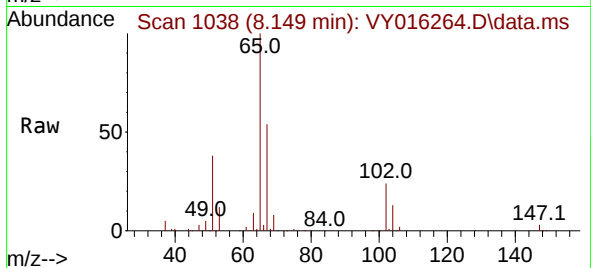
PT-VOA-SOIL

Tgt Ion: 65 Resp: 83858

Ion Ratio Lower Upper

65 100

67 53.8 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: VY016264.D

Acq: 08 Nov 2023 15:35

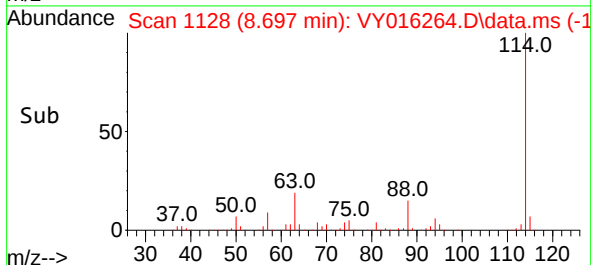
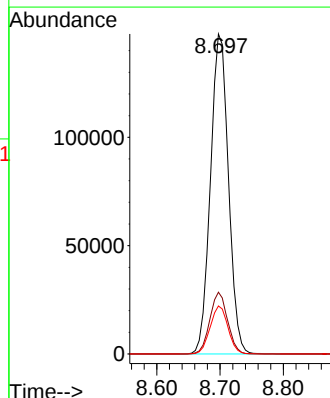
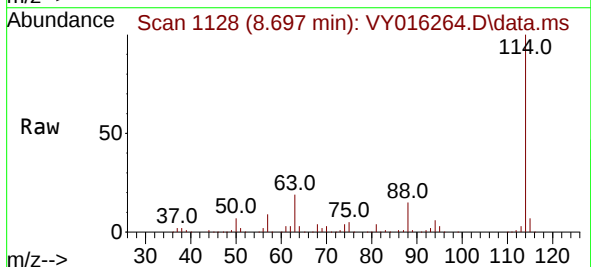
Tgt Ion: 114 Resp: 291661

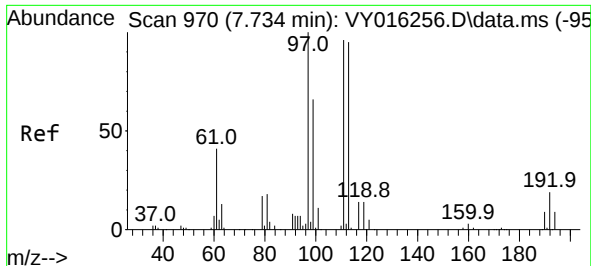
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.0 0.0 30.6

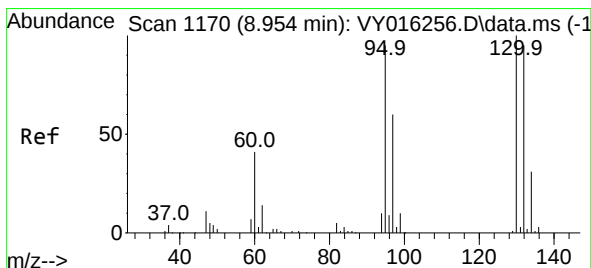
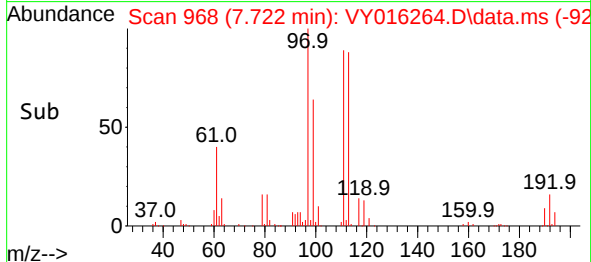
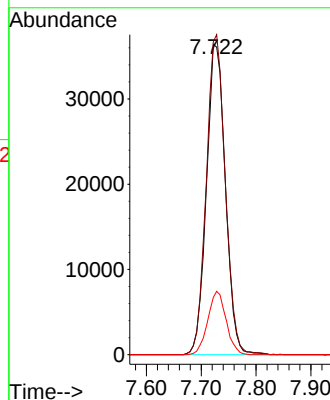
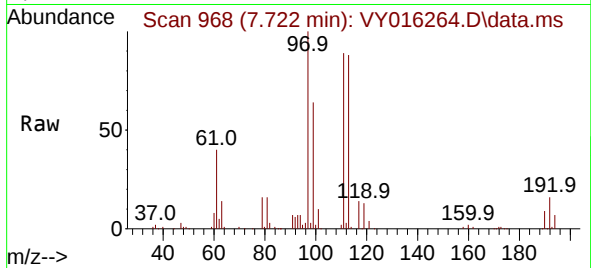




#35  
Dibromofluoromethane  
Concen: 52.648 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

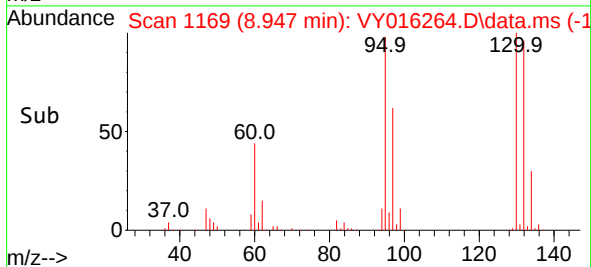
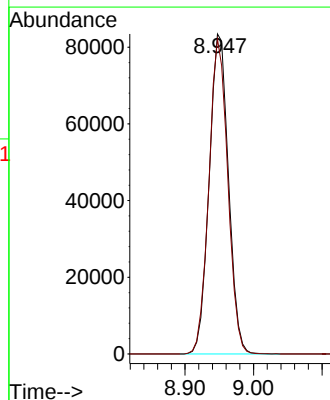
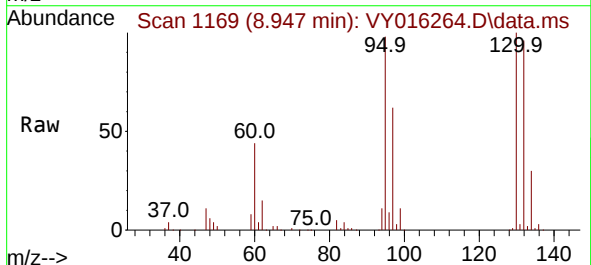
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

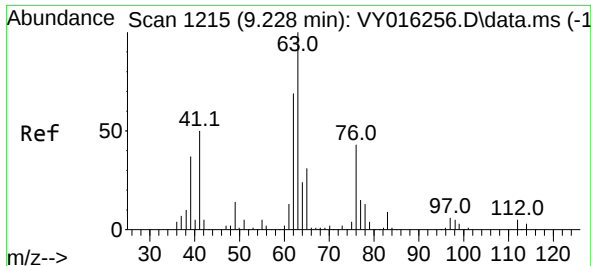
Tgt Ion:113 Resp: 87228  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.3 121.9  
192 19.8 16.9 25.3



#44  
Trichloroethene  
Concen: 70.285 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion:130 Resp: 163271  
Ion Ratio Lower Upper  
130 100  
95 98.4 0.0 196.0





#45

1,2-Dichloropropane

Concen: 42.112 ug/l

RT: 9.228 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

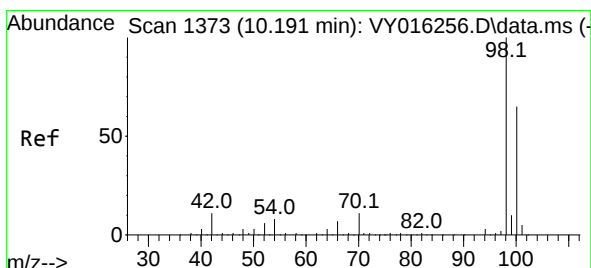
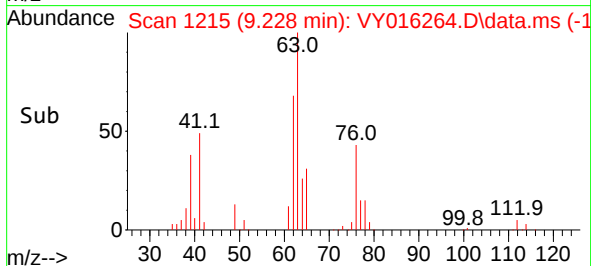
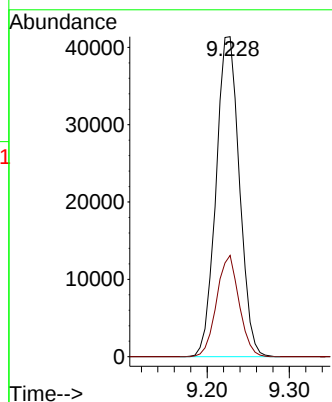
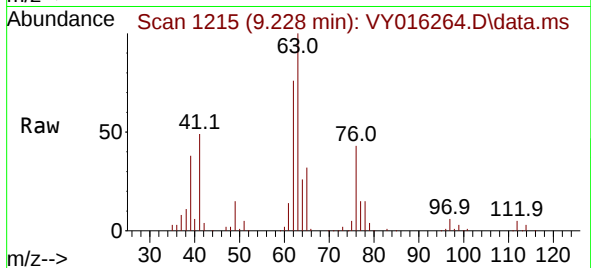
PT-VOA-SOIL

Tgt Ion: 63 Resp: 81746

Ion Ratio Lower Upper

63 100

65 31.7 23.8 35.6



#50

Toluene-d8

Concen: 52.785 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016264.D

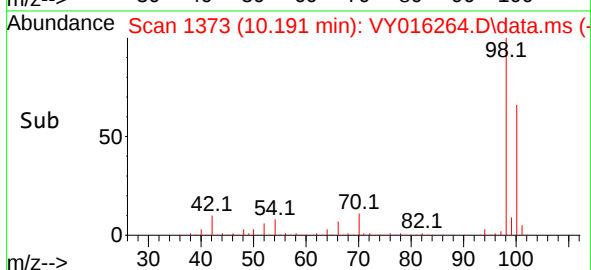
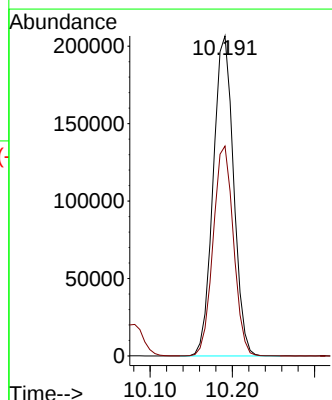
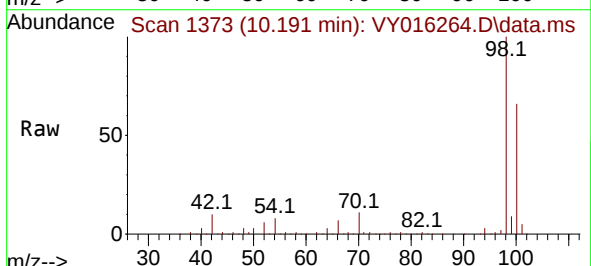
Acq: 08 Nov 2023 15:35

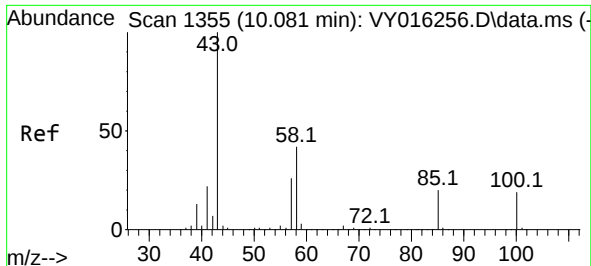
Tgt Ion: 98 Resp: 354646

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 176.484 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. -0.006 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

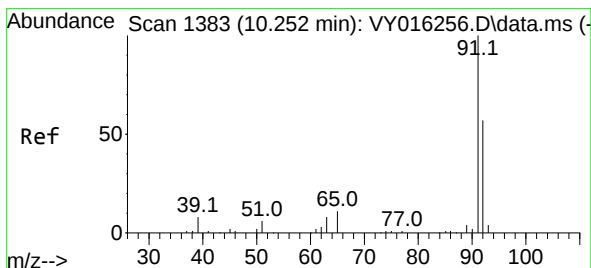
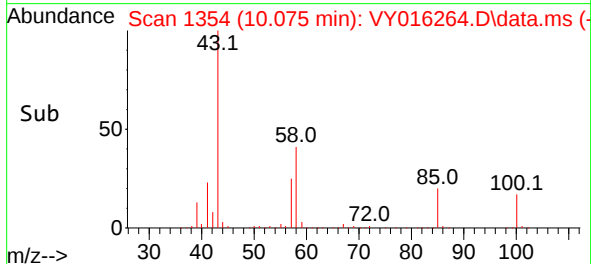
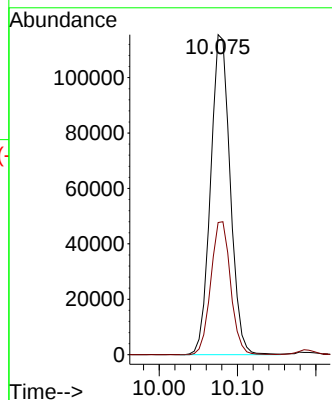
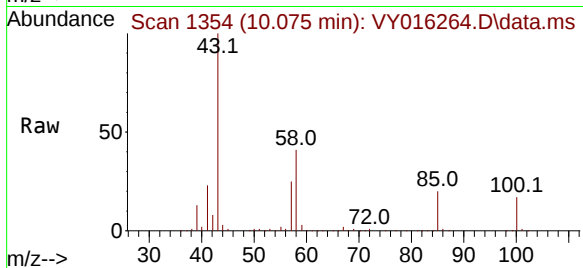
PT-VOA-SOIL

Tgt Ion: 43 Resp: 200524

Ion Ratio Lower Upper

43 100

58 41.9 29.0 43.6



#52

Toluene

Concen: 122.831 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016264.D

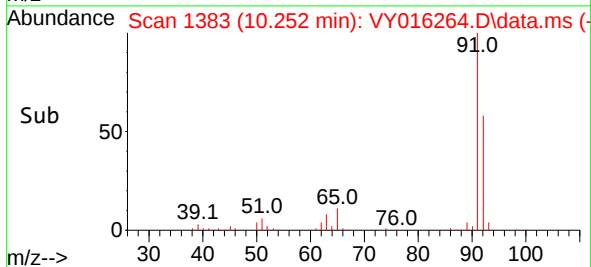
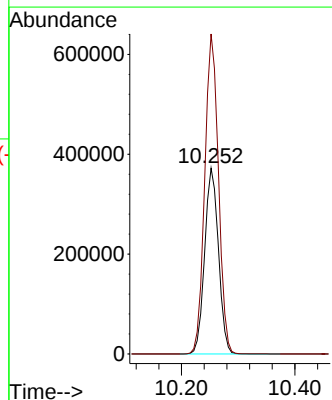
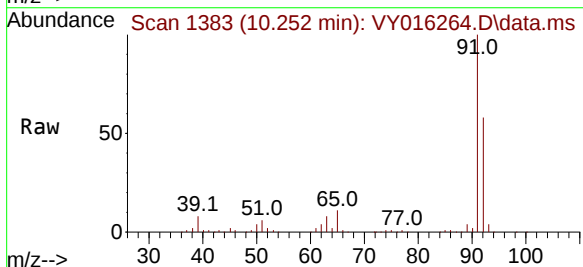
Acq: 08 Nov 2023 15:35

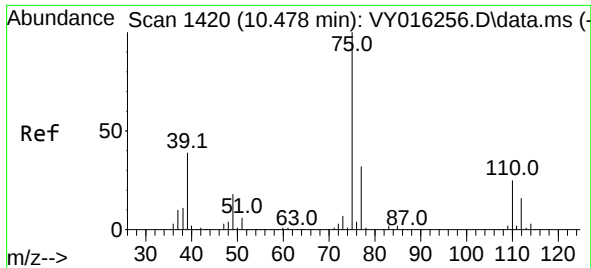
Tgt Ion: 92 Resp: 627586

Ion Ratio Lower Upper

92 100

91 171.5 143.8 215.6

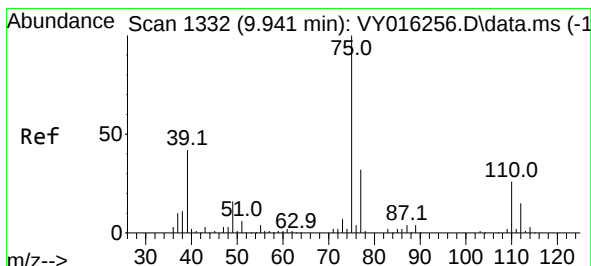
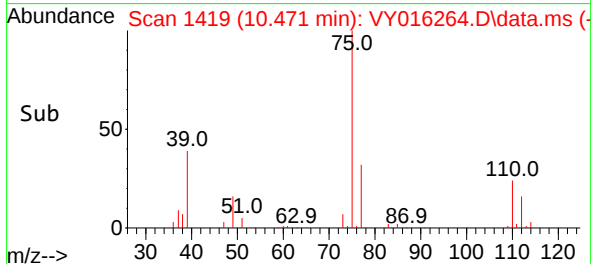
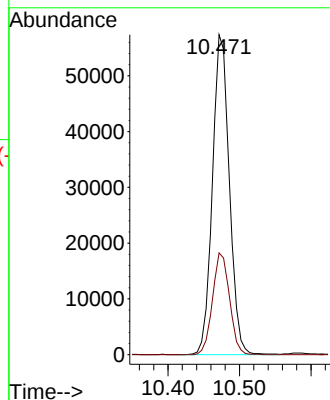
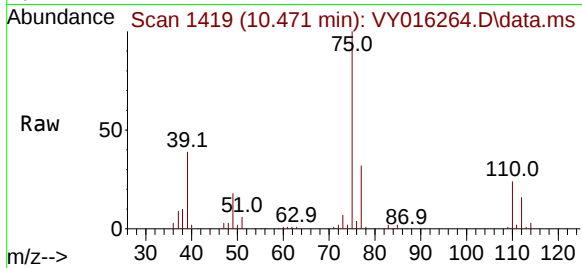




#53  
 t-1,3-Dichloropropene  
 Concen: 35.959 ug/l  
 RT: 10.471 min Scan# 1420  
 Delta R.T. -0.006 min  
 Lab File: VY016264.D  
 Acq: 08 Nov 2023 15:35

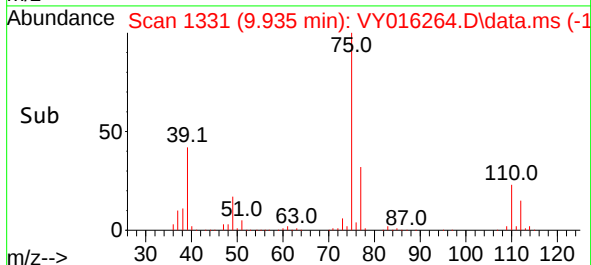
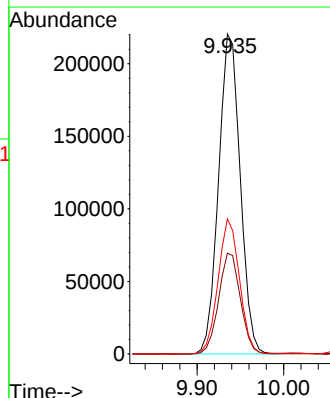
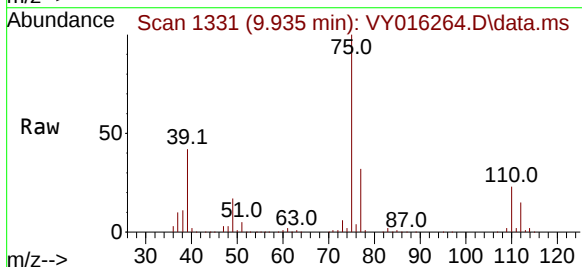
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOIL

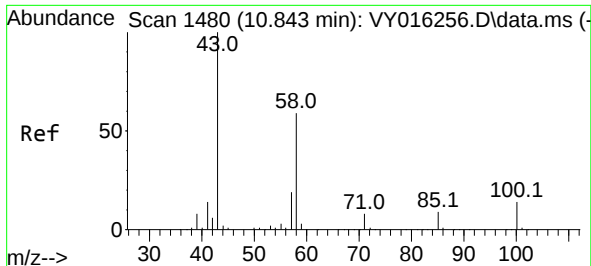
Tgt Ion: 75 Resp: 94272  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 122.318 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. -0.006 min  
 Lab File: VY016264.D  
 Acq: 08 Nov 2023 15:35

Tgt Ion: 75 Resp: 383012  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 24.2 36.4  
 39 42.2 42.2 63.4#

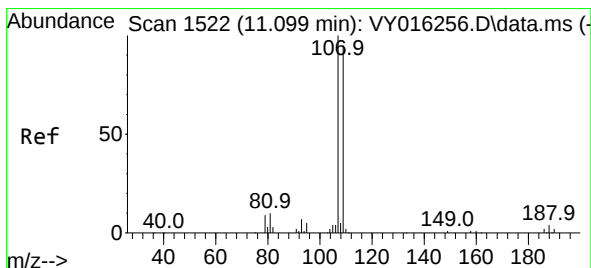
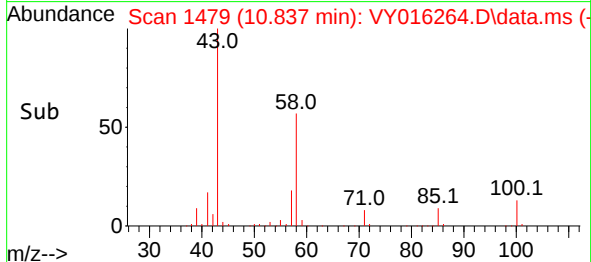
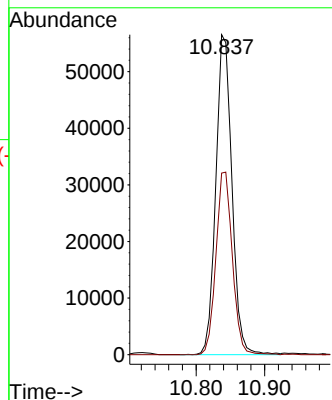
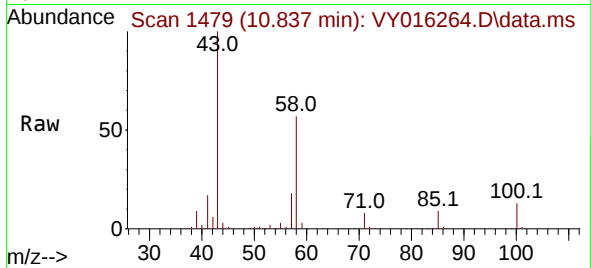




#59  
2-Hexanone  
Concen: 108.876 ug/l  
RT: 10.837 min Scan# 1480  
Delta R.T. -0.006 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

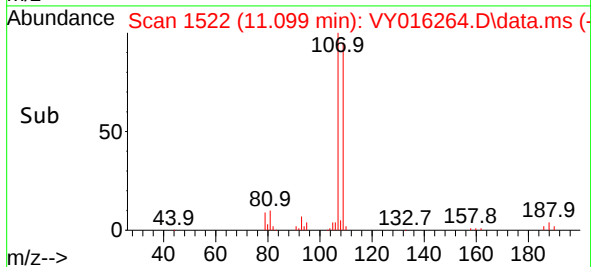
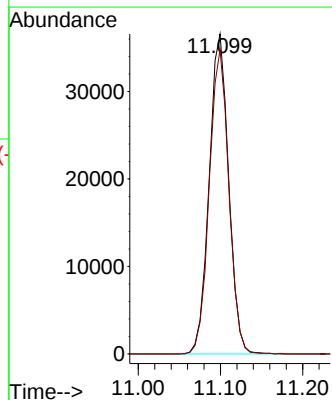
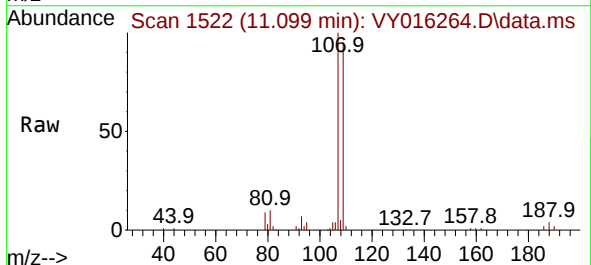
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

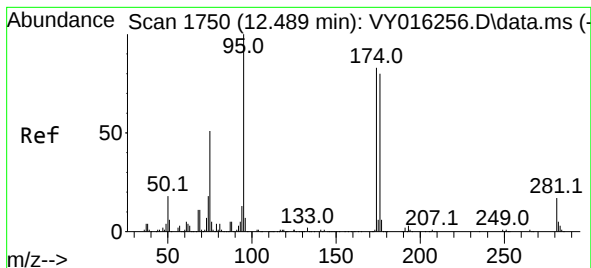
Tgt Ion: 43 Resp: 92016  
Ion Ratio Lower Upper  
43 100  
58 58.1 25.1 75.3



#61  
1,2-Dibromoethane  
Concen: 43.595 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 107 Resp: 60217  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.6 113.4

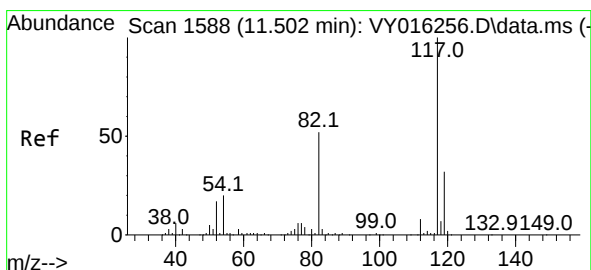
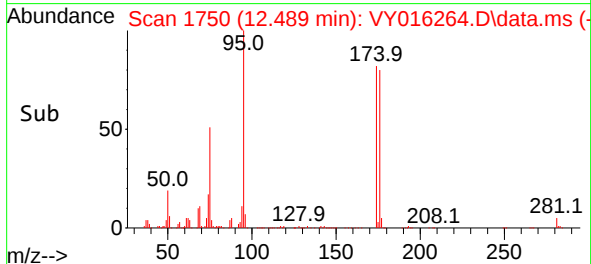
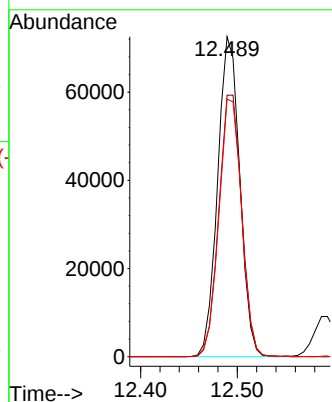
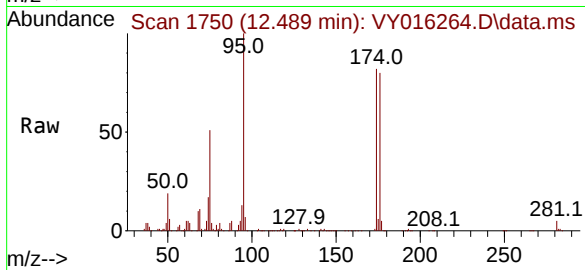




#62  
4-Bromofluorobenzene  
Concen: 52.723 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

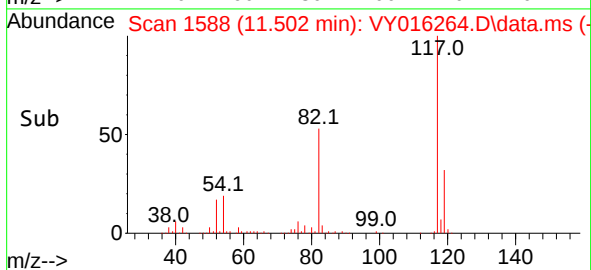
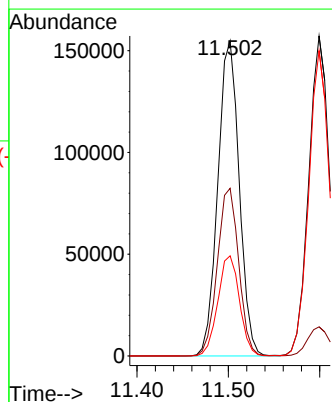
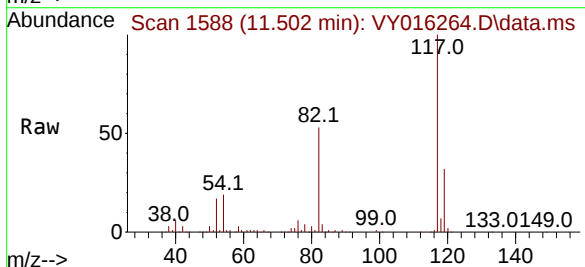
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

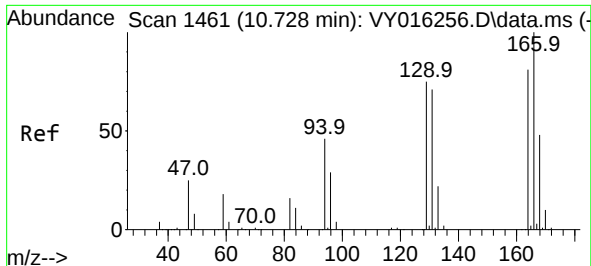
Tgt Ion: 95 Resp: 115050  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 178.2  
176 82.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion: 117 Resp: 252065  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.4 65.0  
119 31.8 26.3 39.5

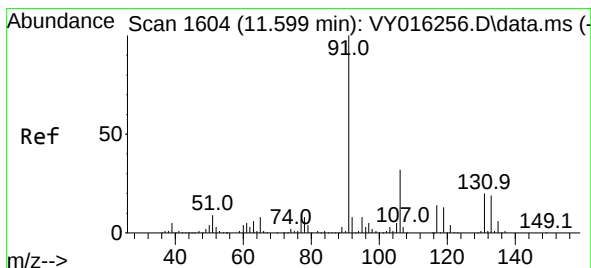
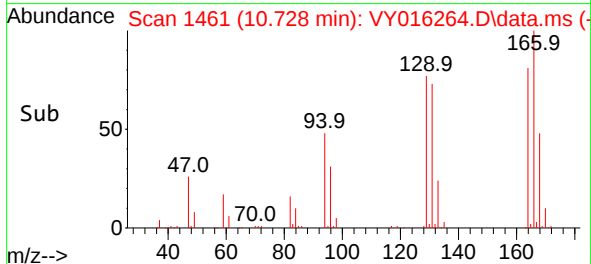
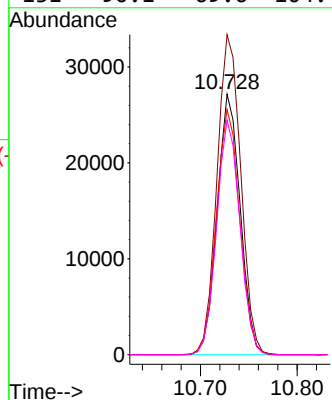
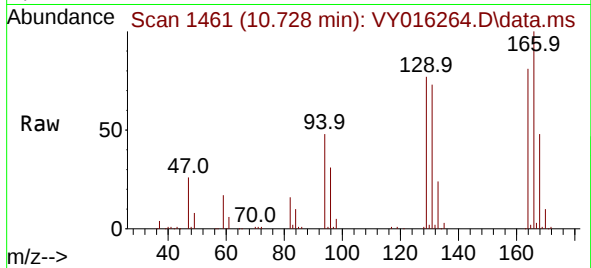




#64  
Tetrachloroethene  
Concen: 19.878 ug/l  
RT: 10.728 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

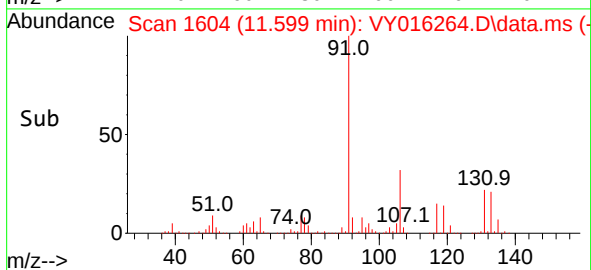
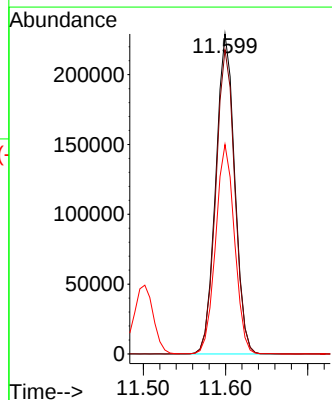
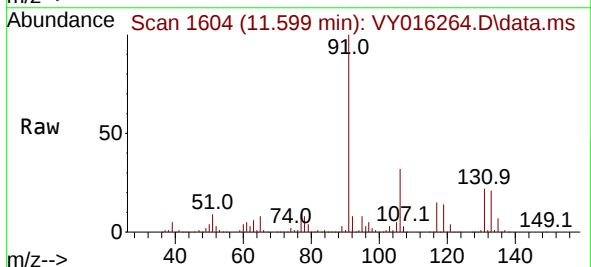
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

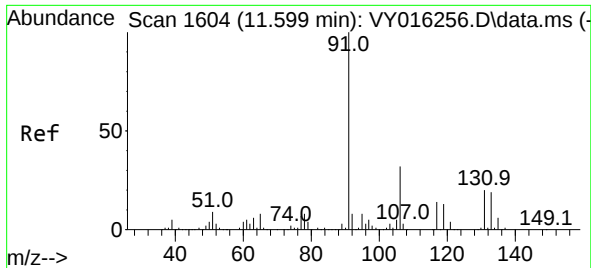
Tgt Ion:164 Resp: 44989  
Ion Ratio Lower Upper  
164 100  
166 122.9 103.0 154.6  
129 94.1 77.2 115.8  
131 90.1 69.6 104.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 184.205 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion:131 Resp: 365891  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.5 142.6  
119 65.4 31.6 94.7

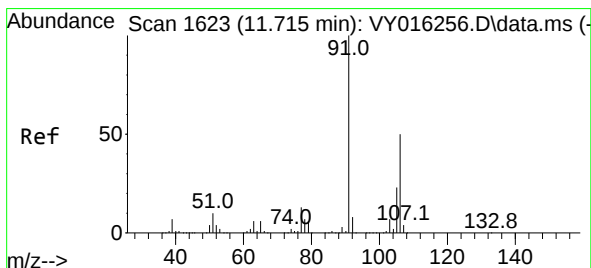
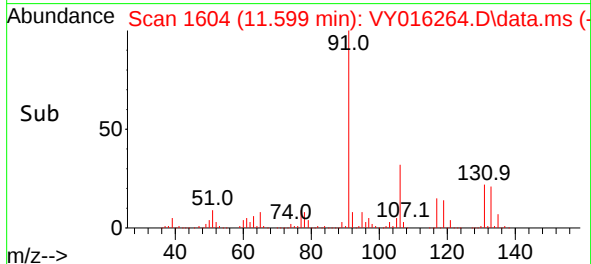
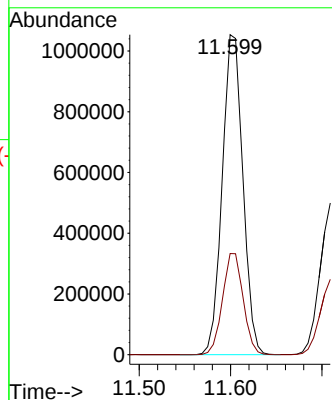
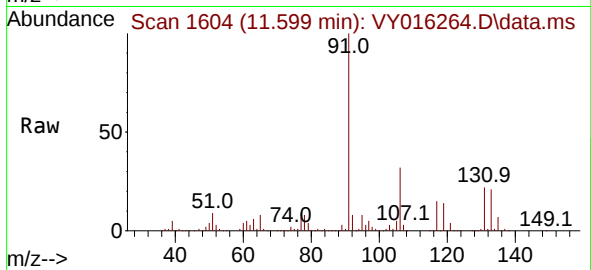




#67  
Ethyl Benzene  
Concen: 171.025 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

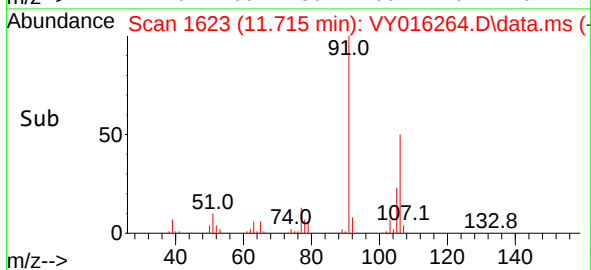
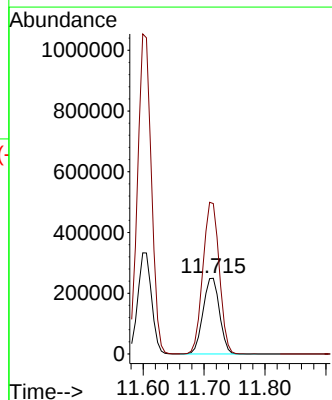
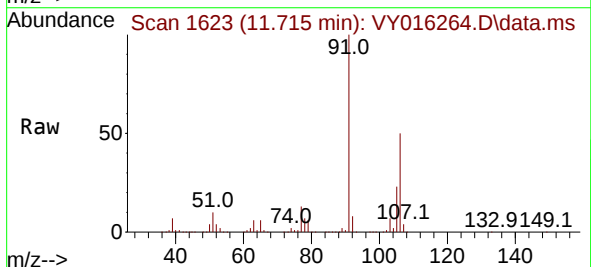
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

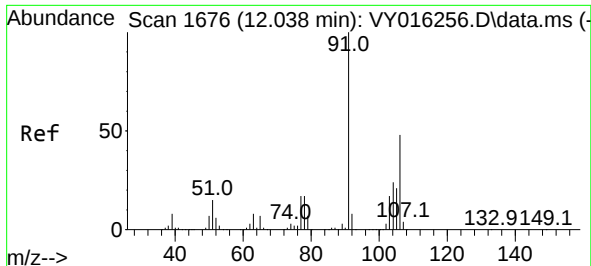
Tgt Ion: 91 Resp: 1655269  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.6 36.8



#68  
m/p-Xylenes  
Concen: 127.514 ug/l  
RT: 11.715 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion:106 Resp: 468099  
Ion Ratio Lower Upper  
106 100  
91 199.6 166.1 249.1

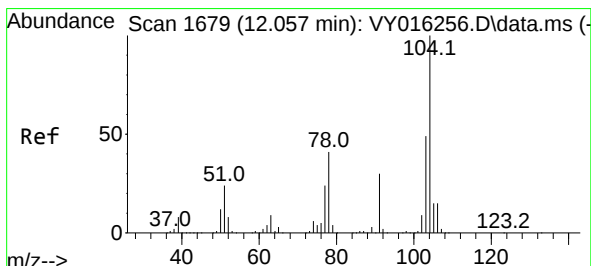
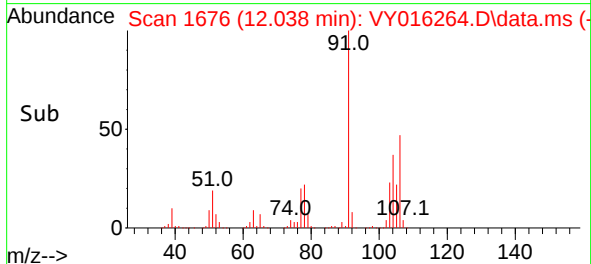
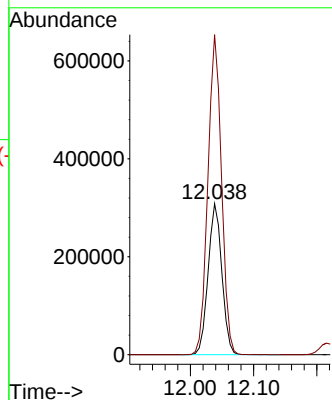
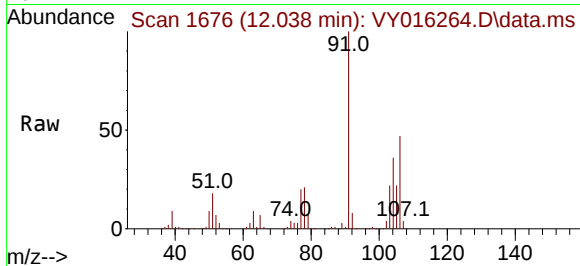




#69  
o-Xylene  
Concen: 136.771 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

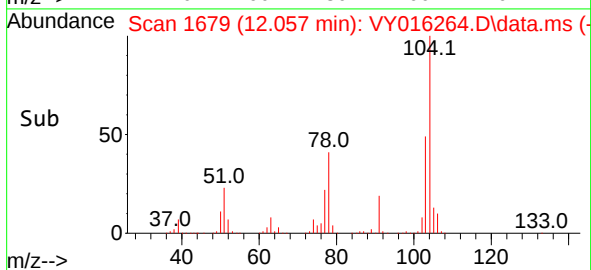
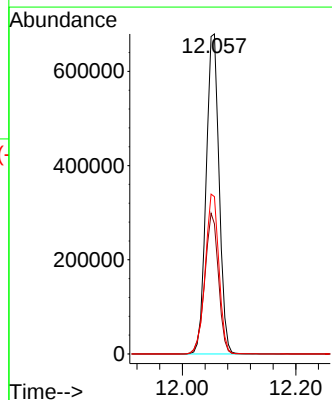
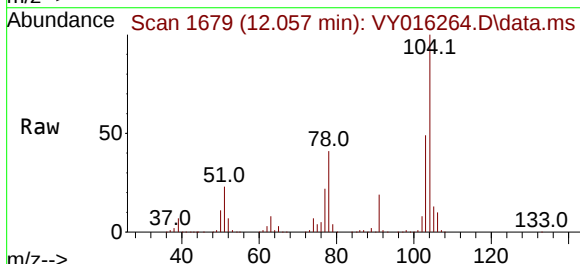
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PT-VOA-SOIL

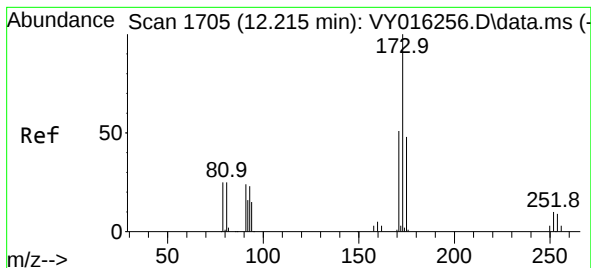
Tgt Ion:106 Resp: 466163  
Ion Ratio Lower Upper  
106 100  
91 209.9 108.1 324.3



#70  
Styrene  
Concen: 221.346 ug/l  
RT: 12.057 min Scan# 1679  
Delta R.T. -0.000 min  
Lab File: VY016264.D  
Acq: 08 Nov 2023 15:35

Tgt Ion:104 Resp: 1080258  
Ion Ratio Lower Upper  
104 100  
78 46.0 41.5 62.3  
103 52.7 44.6 67.0





#71

Bromoform

Concen: 164.720 ug/l

RT: 12.221 min Scan# 1706

Delta R.T. 0.006 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOIL

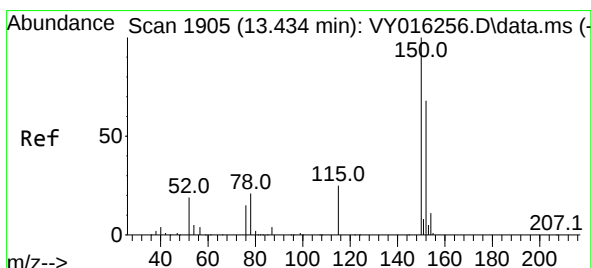
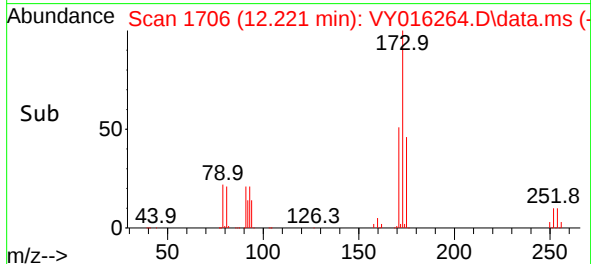
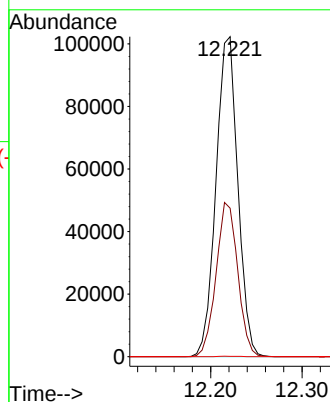
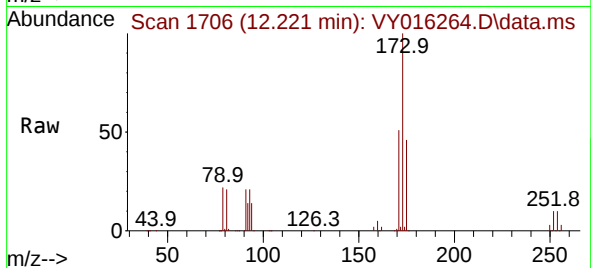
Tgt Ion:173 Resp: 169773

Ion Ratio Lower Upper

173 100

175 47.8 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

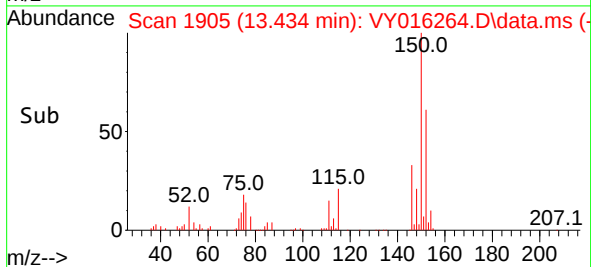
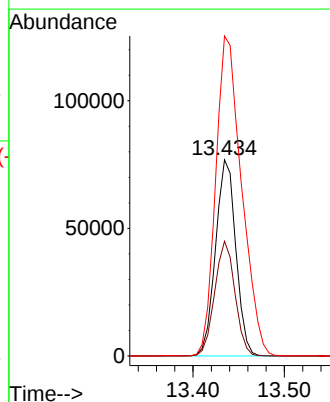
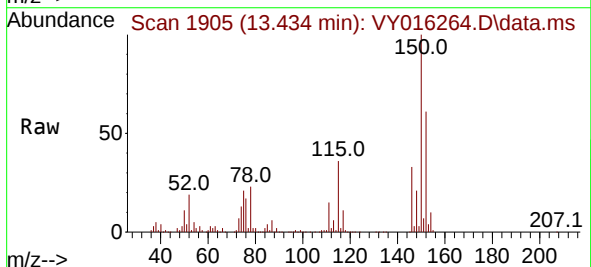
Tgt Ion:152 Resp: 118573

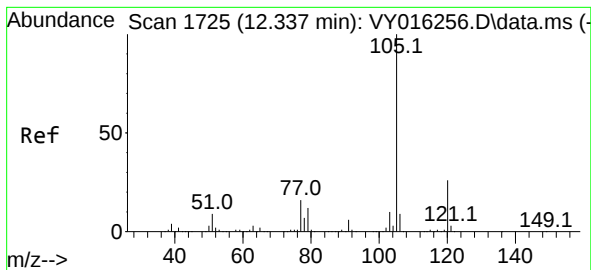
Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 208.3 0.0 348.8





#73

Isopropylbenzene

Concen: 145.630 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

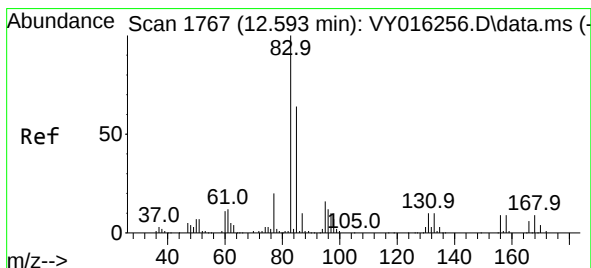
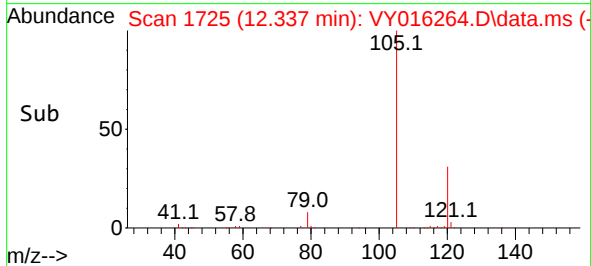
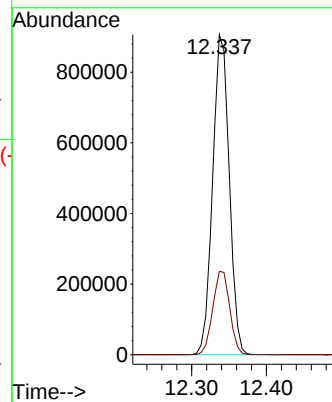
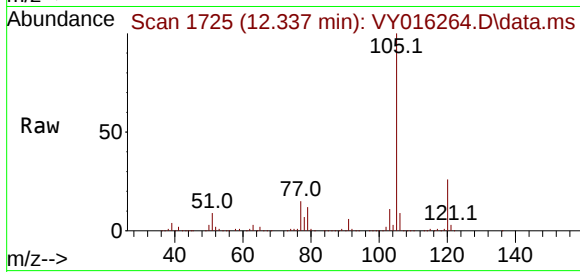
PT-VOA-SOIL

Tgt Ion:105 Resp: 1398317

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#75

1,1,2,2-Tetrachloroethane

Concen: 59.814 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

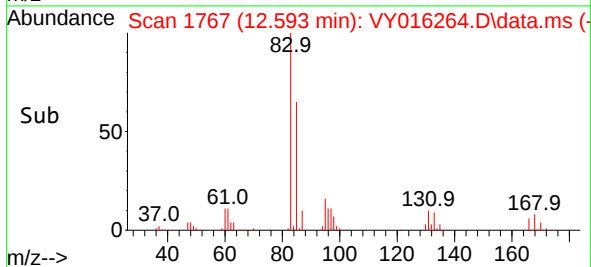
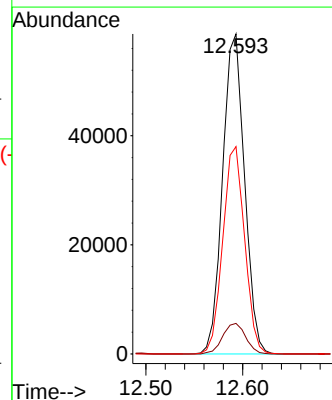
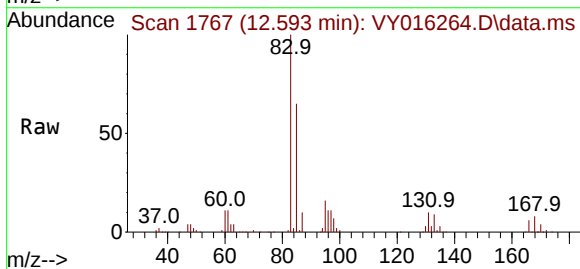
Tgt Ion: 83 Resp: 92158

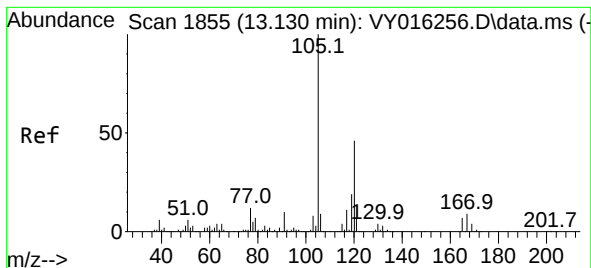
Ion Ratio Lower Upper

83 100

131 10.0 5.4 16.2

85 64.5 31.8 95.4





#84

1,2,4-Trimethylbenzene

Concen: 104.909 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

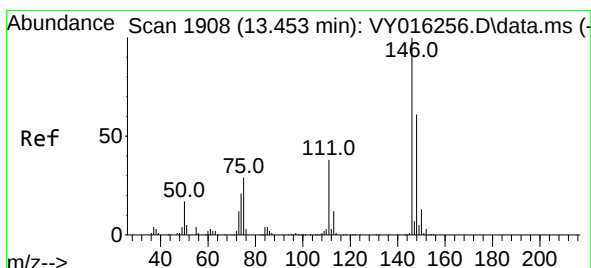
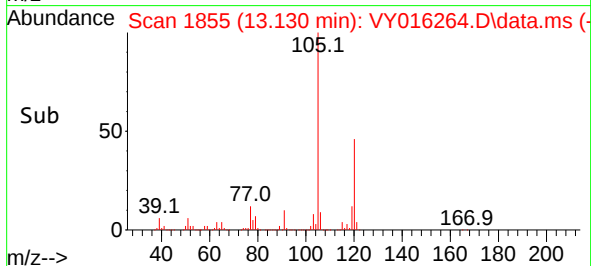
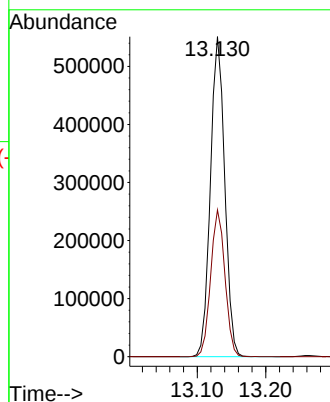
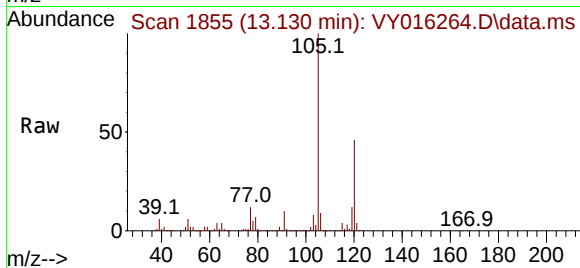
PT-VOA-SOIL

Tgt Ion:105 Resp: 799685

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6



#88

1,4-Dichlorobenzene

Concen: 148.273 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

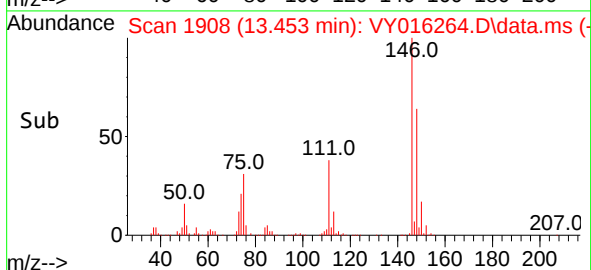
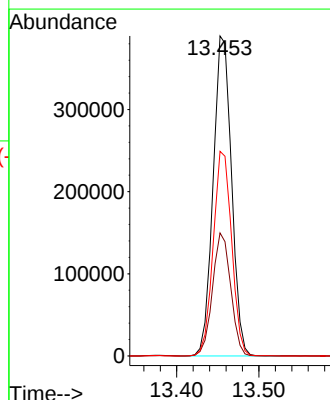
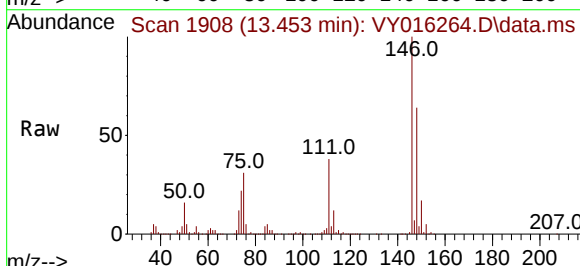
Tgt Ion:146 Resp: 604994

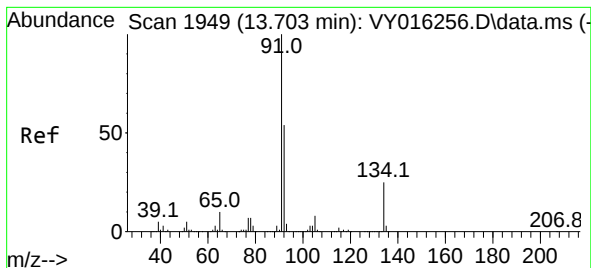
Ion Ratio Lower Upper

146 100

111 38.1 18.9 56.7

148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 90.305 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOIL

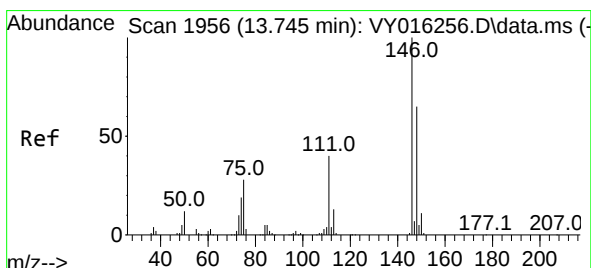
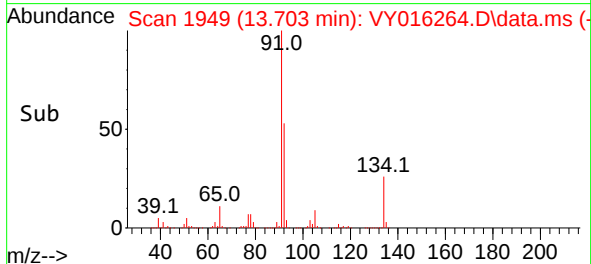
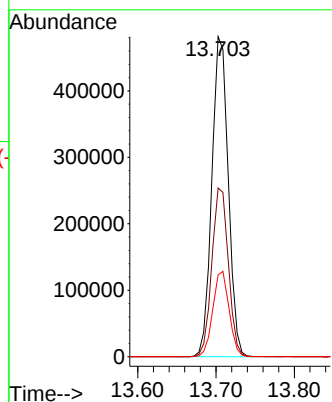
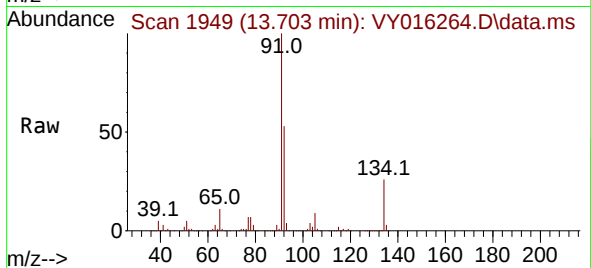
Tgt Ion: 91 Resp: 699552

Ion Ratio Lower Upper

91 100

92 53.0 25.4 76.0

134 26.5 12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 107.545 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

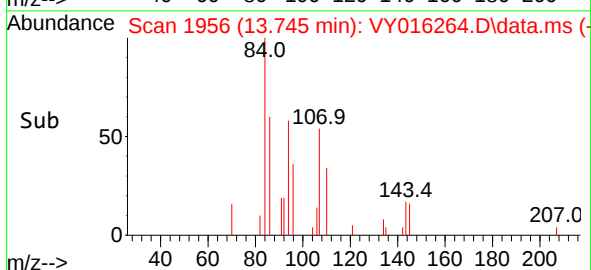
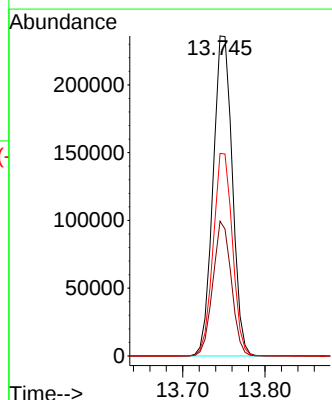
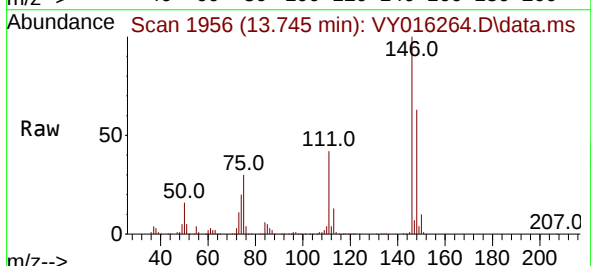
Tgt Ion:146 Resp: 384754

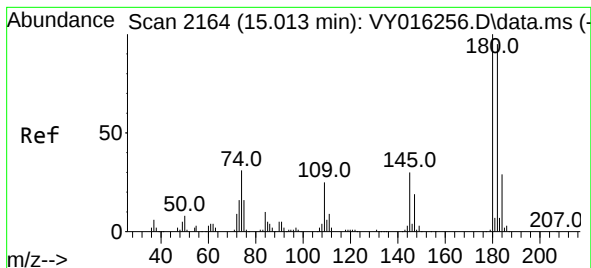
Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

148 63.1 32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 62.585 ug/l

RT: 15.019 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

Instrument :

MSVOA\_Y

ClientSampleId :

PT-VOA-SOIL

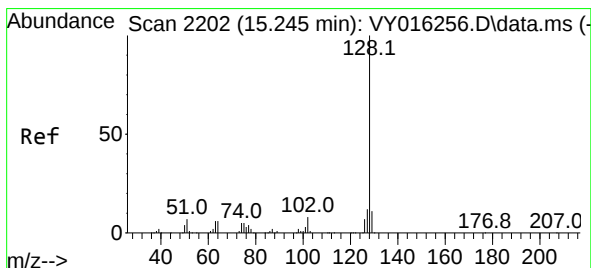
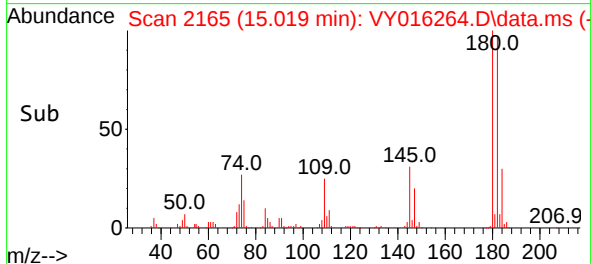
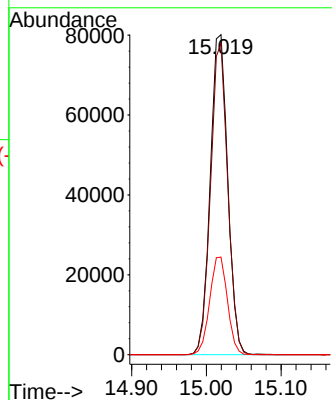
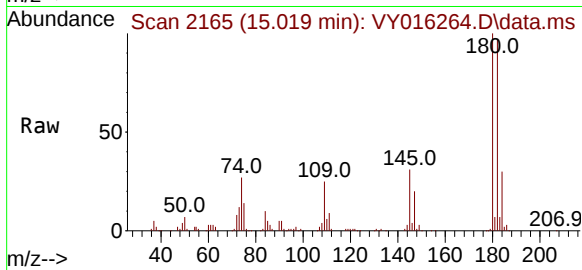
Tgt Ion:180 Resp: 130695

Ion Ratio Lower Upper

180 100

182 95.3 47.0 141.2

145 30.9 14.5 43.5



#95

Naphthalene

Concen: 1.030 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016264.D

Acq: 08 Nov 2023 15:35

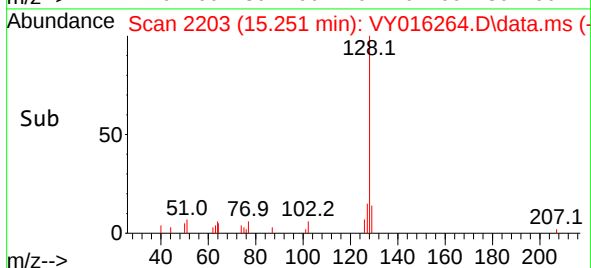
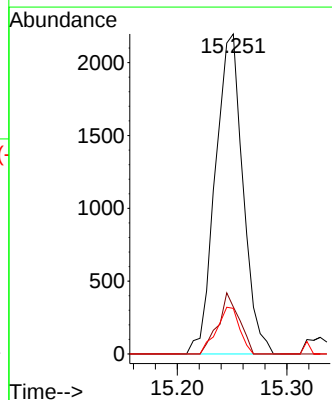
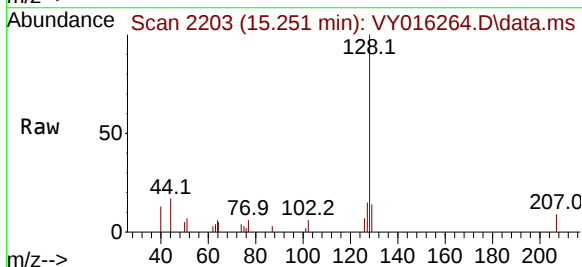
Tgt Ion:128 Resp: 3847

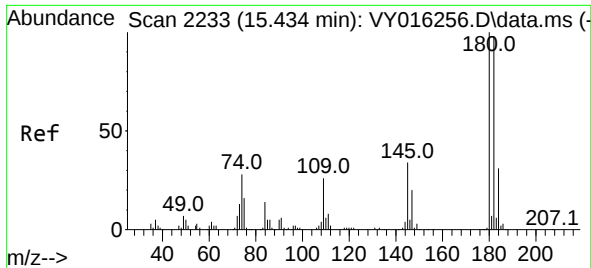
Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

129 12.1 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 171.722 ug/l  
 RT: 15.434 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY016264.D  
 Acq: 08 Nov 2023 15:35

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PT-VOA-SOIL

Tgt Ion:180 Resp: 296604  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 47.3 141.8  
 145 32.2 15.4 46.2

