

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110322\  
 Data File : VD074712.D  
 Acq On : 03 Nov 2022 13:46  
 Operator : VA/SY  
 Sample : N5317-24DL 4X  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PT-VOA-SOILDL

Quant Time: Nov 04 00:01:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 154844   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 266008   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 236582   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 93407    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 62904    | 51.292    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 102.580% |
| 35) Dibromofluoromethane      | 7.805  | 113   | 77165    | 49.039    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 98.080%  |
| 50) Toluene-d8                | 10.269 | 98    | 282746   | 49.260    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 98.520%  |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 83901    | 50.626    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 101.260% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.158  | 142   | 1060     | 5.999     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.011  | 59    | 7105     | Below Cal | #      | 84       |
| 12) 1,1-Dichloroethene        | 3.934  | 96    | 81092    | 48.612    | ug/l   | 93       |
| 14) Allyl chloride            | 4.811  | 41    | 2523     | 1.429     | ug/l # | 20       |
| 15) Acrylonitrile             | 5.311  | 53    | 1184     | 3.967     | ug/l # | 17       |
| 16) Acetone                   | 4.023  | 43    | 29925    | 116.928   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether   | 5.311  | 73    | 162015   | 51.068    | ug/l   | 100      |
| 20) Methylene Chloride        | 4.799  | 84    | 80324    | 33.068    | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene  | 5.317  | 96    | 65050    | 35.480    | ug/l   | 95       |
| 24) 1,1-Dichloroethane        | 6.105  | 63    | 144413   | 51.829    | ug/l   | 98       |
| 25) 2-Butanone                | 7.075  | 43    | 32447    | 92.208    | ug/l   | 95       |
| 26) 2,2-Dichloropropane       | 7.069  | 77    | 120182   | 46.876    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene    | 7.081  | 96    | 85029    | 42.043    | ug/l   | 98       |
| 28) Bromochloromethane        | 7.599  | 49    | 9024     | 10.263    | ug/l # | 1        |
| 30) Chloroform                | 7.593  | 83    | 142265   | 47.794    | ug/l   | 97       |
| 31) Cyclohexane               | 7.869  | 56    | 3156     | 1.271     | ug/l # | 4        |
| 32) 1,1,1-Trichloroethane     | 7.787  | 97    | 21972    | 8.356     | ug/l   | 97       |
| 36) 1,1-Dichloropropene       | 8.005  | 75    | 81204    | 33.998    | ug/l   | 99       |
| 37) Ethyl Acetate             | 7.075  | 43    | 32447    | 40.724    | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 14989    | 6.624     | ug/l # | 19       |
| 40) Benzene                   | 8.252  | 78    | 317459   | 44.968    | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.322  | 62    | 77179    | 47.554    | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.305  | 63    | 25799    | 16.523    | ug/l   | 92       |
| 46) Dibromomethane            | 9.587  | 93    | 3008     | 3.324     | ug/l # | 1        |
| 47) Bromodichloromethane      | 9.581  | 83    | 100811   | 46.279    | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.305  | 41    | 11091    | 16.788    | ug/l # | 17       |
| 52) Toluene                   | 10.334 | 92    | 202003   | 46.734    | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75    | 33060    | 17.160    | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75    | 78945    | 32.655    | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97    | 40745    | 33.147    | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.016 | 63    | 410      | Below Cal | #      | 42       |
| 59) 2-Hexanone                | 10.922 | 43    | 34386    | 69.530    | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129   | 38937    | 26.534    | ug/l   | 100      |
| 65) Chlorobenzene             | 11.604 | 112   | 238130   | 50.826    | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131   | 73331    | 46.132    | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.793 | 91    | 221303   | 26.655    | ug/l # | 65       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PT-VOA-SOILDL

Quant Time: Nov 04 00:01:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

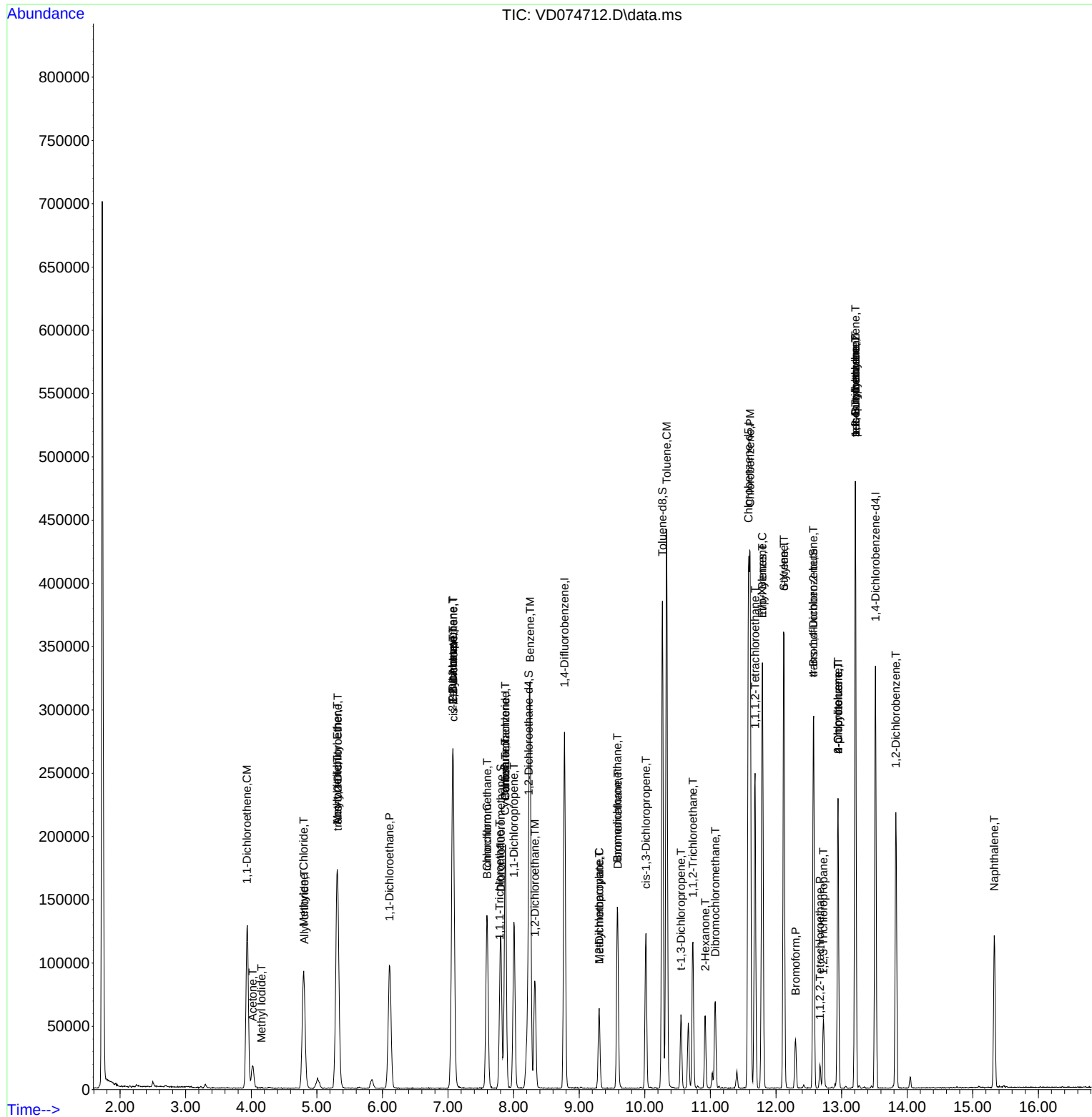
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 68) m/p-Xylenes               | 11.793 | 106  | 114349   | 34.691  | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 109723   | 36.208  | ug/l   | 96       |
| 70) Styrene                   | 12.122 | 104  | 5955     | 1.160   | ug/l # | 1        |
| 71) Bromoform                 | 12.299 | 173  | 18108    | 21.271  | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 9825     | 8.568   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 24242    | 33.479  | ug/l # | 1        |
| 78) n-propylbenzene           | 12.946 | 91   | 135165   | 16.533  | ug/l # | 52       |
| 79) 2-Chlorotoluene           | 12.946 | 91   | 135165   | 30.705  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75   | 41018    | 134.467 | ug/l # | 17       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 135165   | 29.521  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.210 | 119  | 35609    | 7.257   | ug/l # | 68       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 266804   | 48.565  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.210 | 105  | 266804   | 36.042  | ug/l # | 56       |
| 86) p-Isopropyltoluene        | 13.210 | 119  | 34964    | 5.608   | ug/l # | 18       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 97919    | 35.284  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 110633   | 33.615  | ug/l   | 99       |
| -----                         |        |      |          |         |        |          |

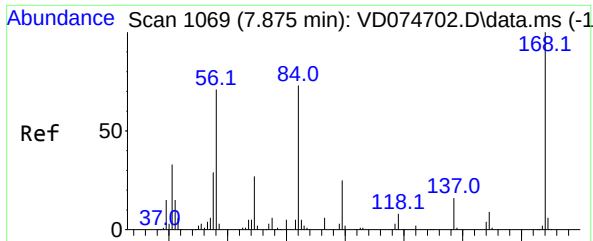
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 PT-VOA-SOILDL

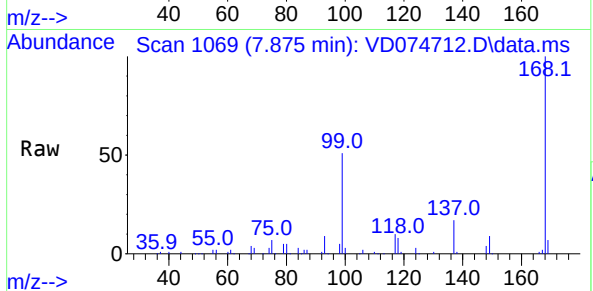
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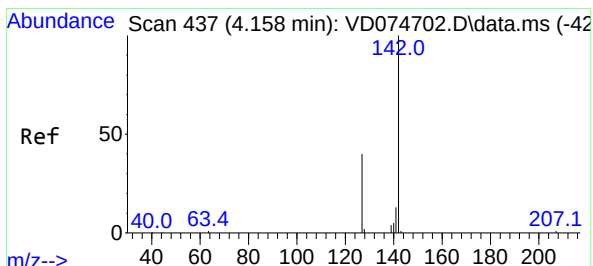
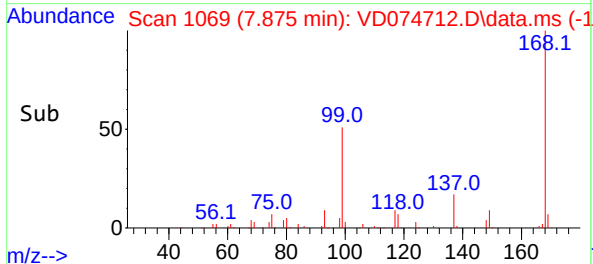
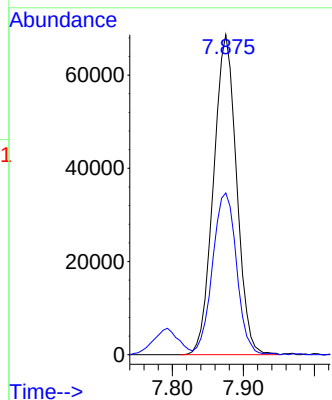


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

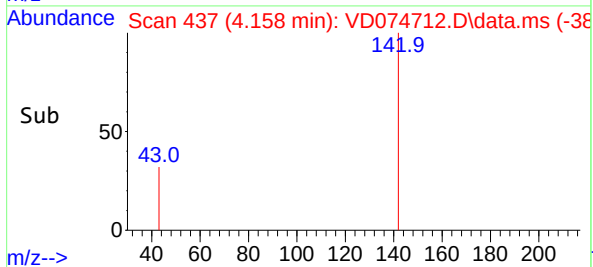
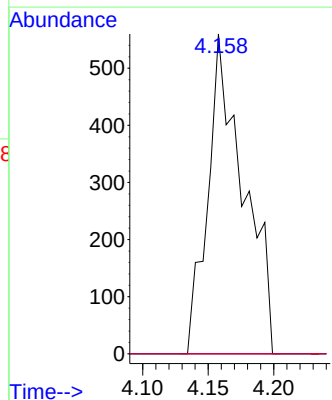
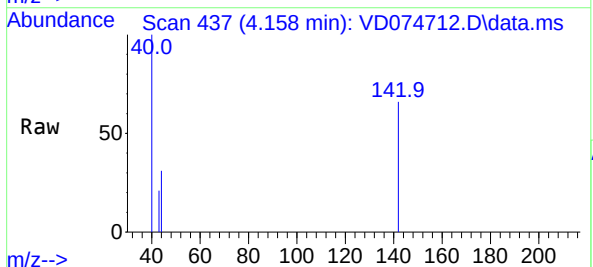


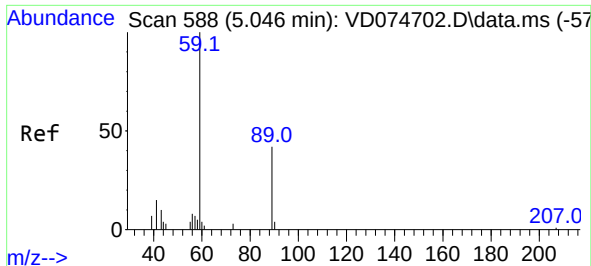
Tgt Ion:168 Resp: 154844  
Ion Ratio Lower Upper  
168 100  
99 50.5 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.999 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion:142 Resp: 1060  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#

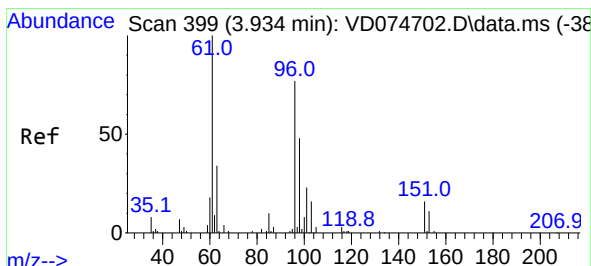
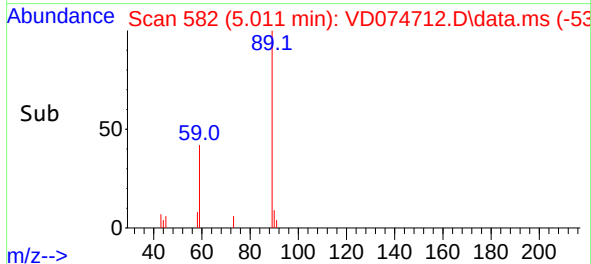
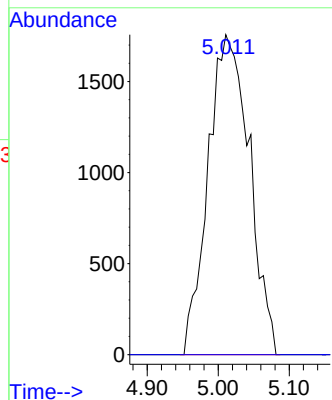
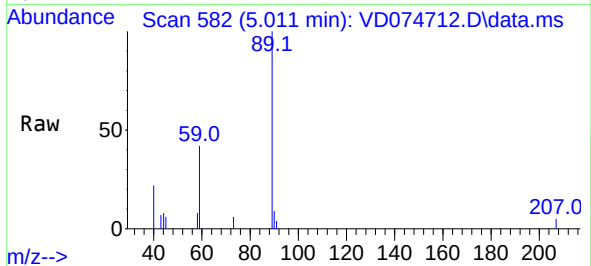




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.011 min Scan# 511  
Delta R.T. -0.035 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

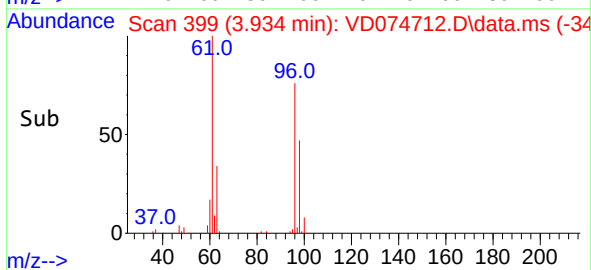
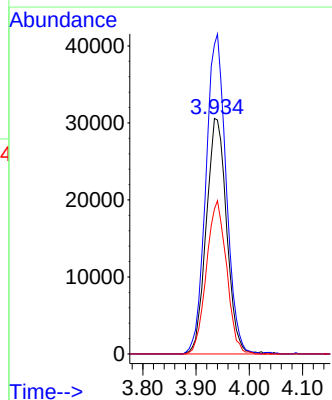
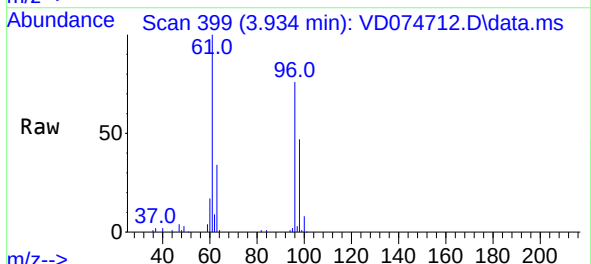
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

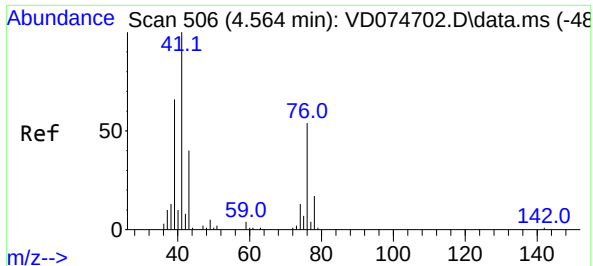
Tgt Ion: 59 Resp: 7105  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.4 6.6#



#12  
1,1-Dichloroethene  
Concen: 48.612 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 96 Resp: 81092  
Ion Ratio Lower Upper  
96 100  
61 131.4 113.9 170.9  
98 61.6 51.8 77.8

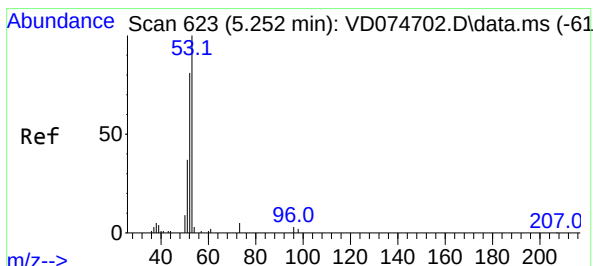
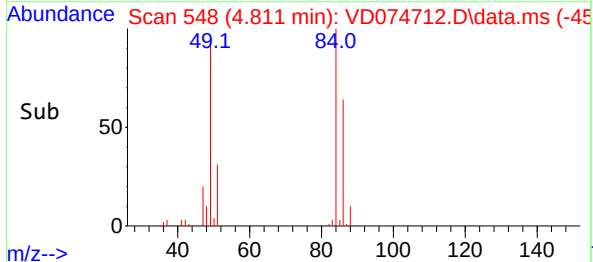
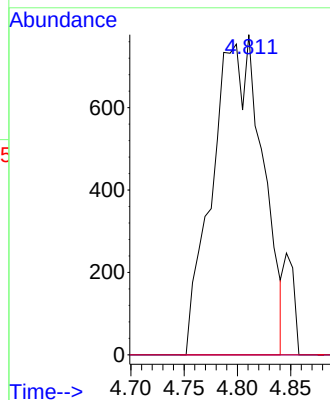
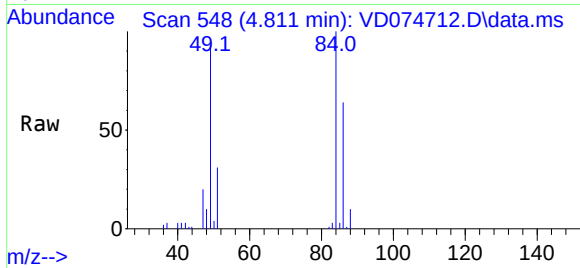




#14  
 Allyl chloride  
 Concen: 1.429 ug/l  
 RT: 4.811 min Scan# 548  
 Delta R.T. 0.247 min  
 Lab File: VD074712.D  
 Acq: 03 Nov 2022 13:46

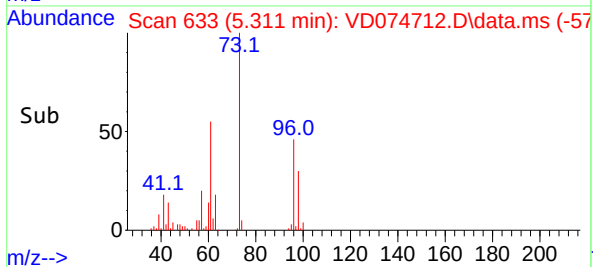
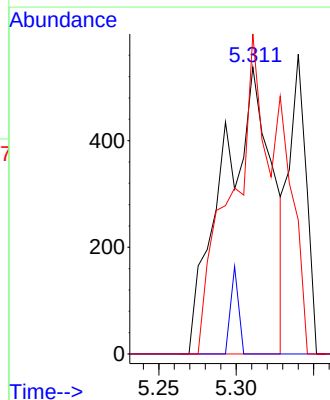
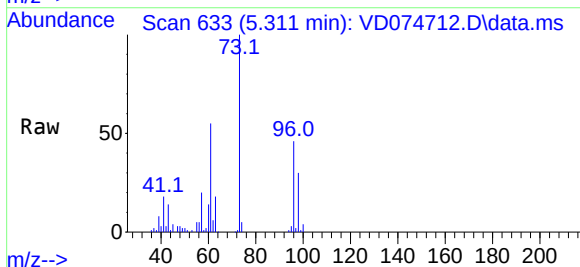
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 MSVOA\_D  
 ClientSampleId :  
 PT-VOA-SOILDL

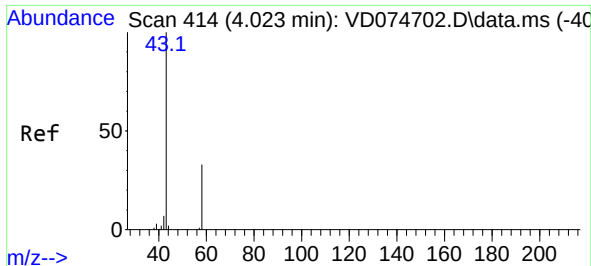
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2523  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 53.4  | 80.2# |
| 76       | 0.0   | 42.4  | 63.6# |



#15  
 Acrylonitrile  
 Concen: 3.967 ug/l  
 RT: 5.311 min Scan# 633  
 Delta R.T. 0.059 min  
 Lab File: VD074712.D  
 Acq: 03 Nov 2022 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 1184  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 4.9   | 66.0  | 99.0# |
| 51       | 79.4  | 28.3  | 42.5# |

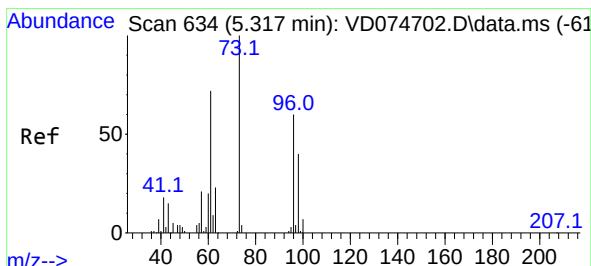
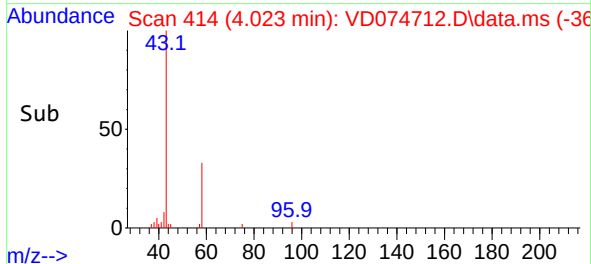
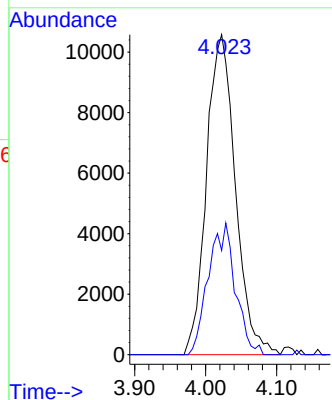
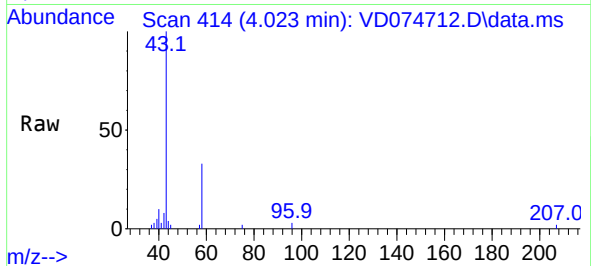




#16  
Acetone  
Concen: 116.928 ug/l  
RT: 4.023 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

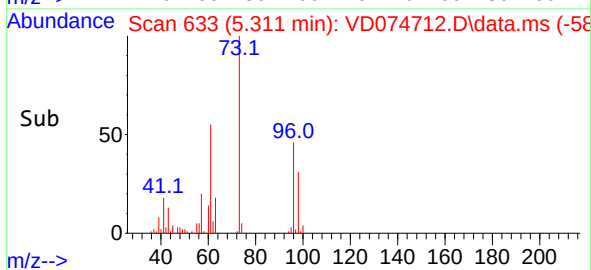
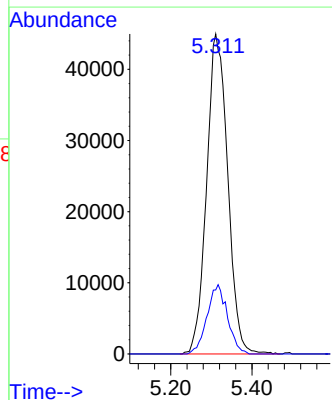
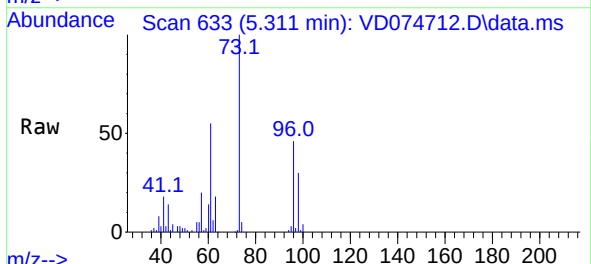
Instrument :  
MSVOA\_D  
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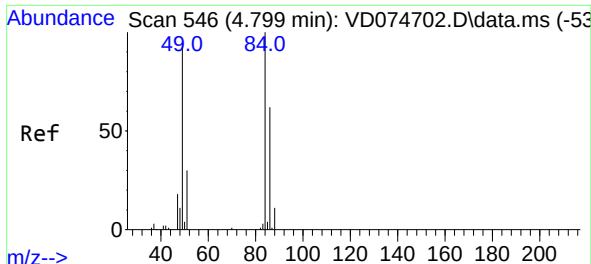
Tgt Ion: 43 Resp: 29925  
Ion Ratio Lower Upper  
43 100  
58 32.6 30.2 45.2



#19  
Methyl tert-butyl Ether  
Concen: 51.068 ug/l  
RT: 5.311 min Scan# 633  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

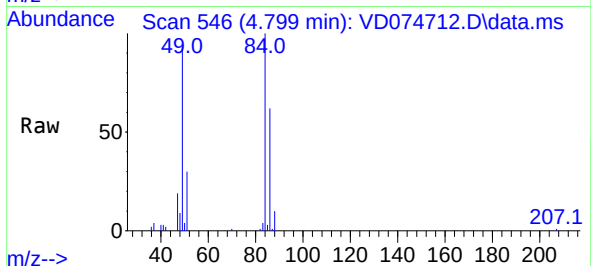
Tgt Ion: 73 Resp: 162015  
Ion Ratio Lower Upper  
73 100  
57 20.0 16.1 24.1





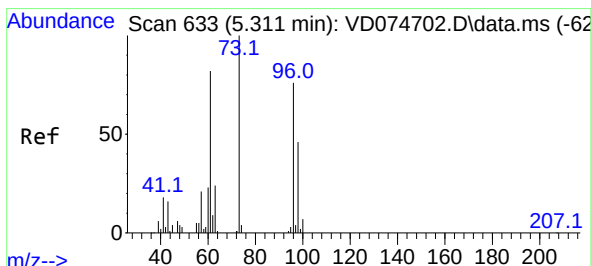
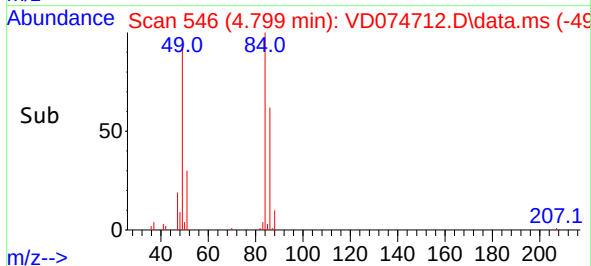
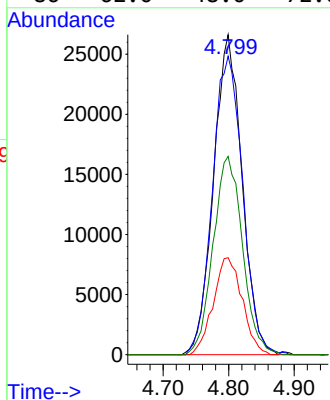
#20  
Methylene Chloride  
Concen: 33.068 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion: 84 Resp: 80324

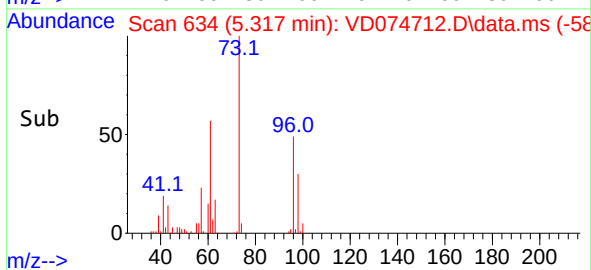
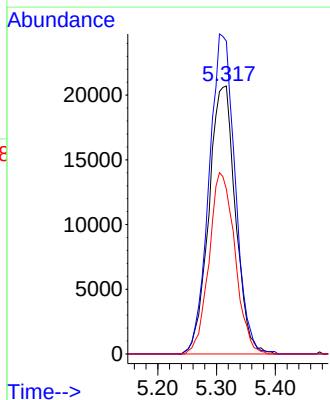
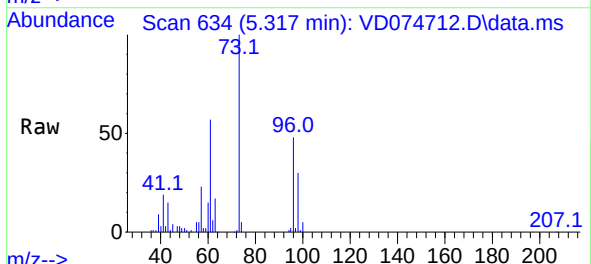
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 93.3  | 68.0  | 102.0 |
| 51  | 30.3  | 23.2  | 34.8  |
| 86  | 62.0  | 48.0  | 72.0  |



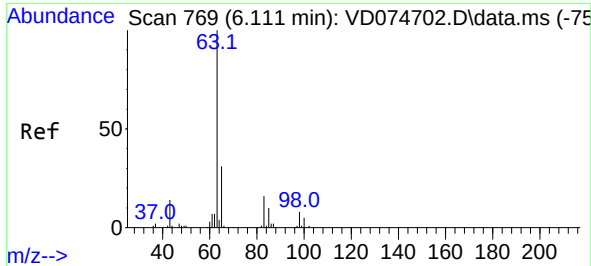
#21  
trans-1,2-Dichloroethene  
Concen: 35.480 ug/l  
RT: 5.317 min Scan# 634  
Delta R.T. 0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 96 Resp: 65050

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 116.7 | 95.7  | 143.5 |
| 98  | 61.5  | 54.8  | 82.2  |



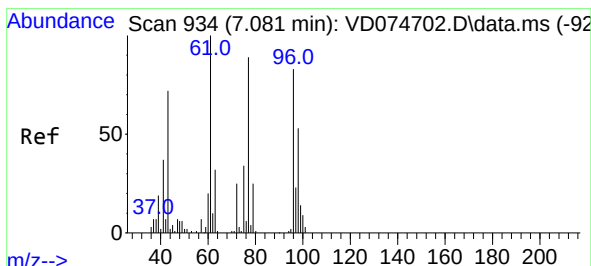
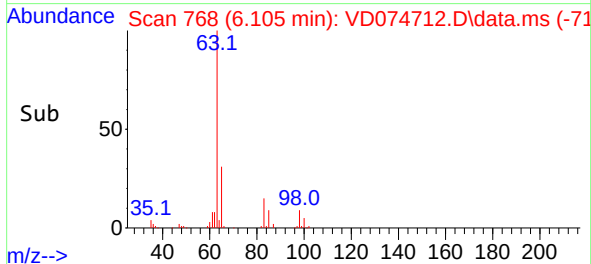
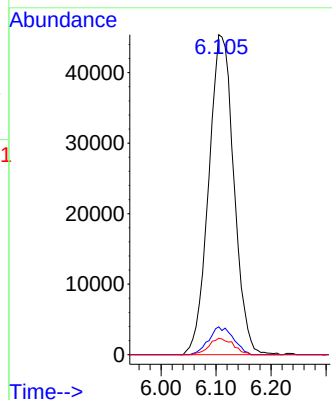
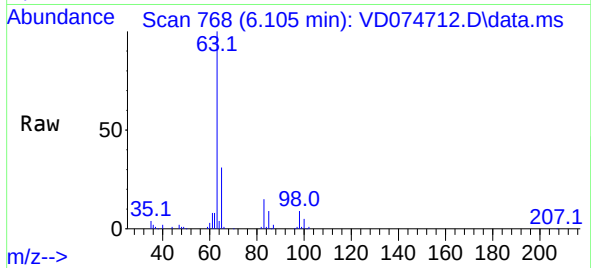




#24  
1,1-Dichloroethane  
Concen: 51.829 ug/l  
RT: 6.105 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

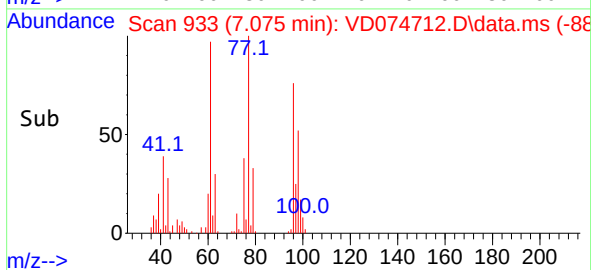
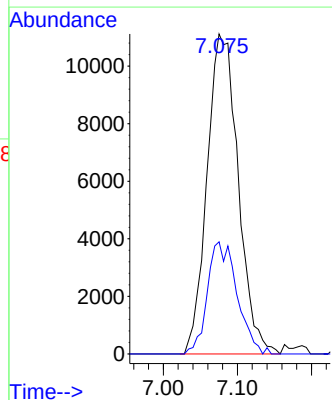
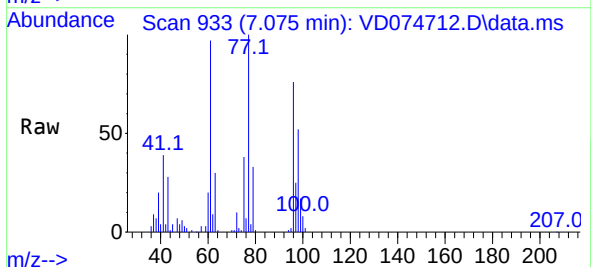
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

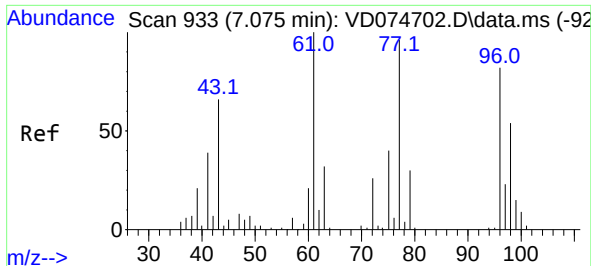
Tgt Ion: 63 Resp: 144413  
Ion Ratio Lower Upper  
63 100  
98 8.7 4.6 13.8  
100 5.1 2.9 8.6



#25  
2-Butanone  
Concen: 92.208 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 43 Resp: 32447  
Ion Ratio Lower Upper  
43 100  
72 35.1 25.8 38.8

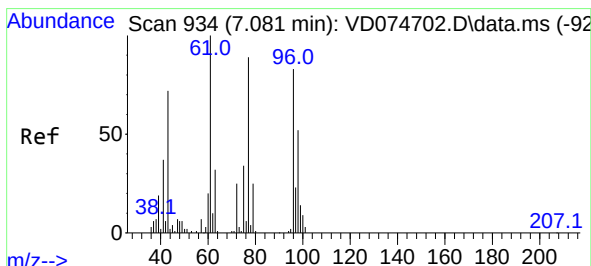
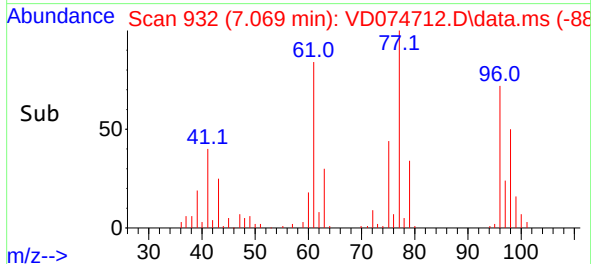
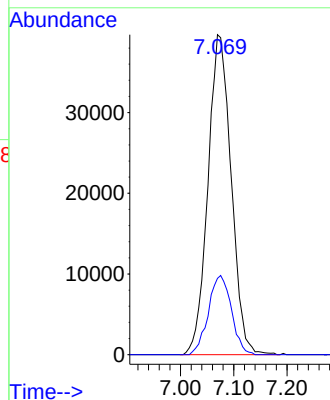
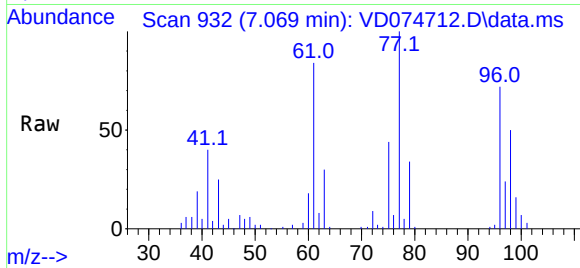




#26  
2,2-Dichloropropane  
Concen: 46.876 ug/l  
RT: 7.069 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

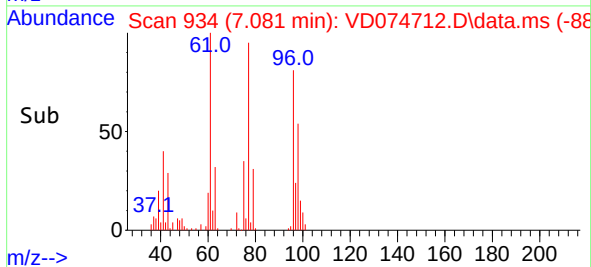
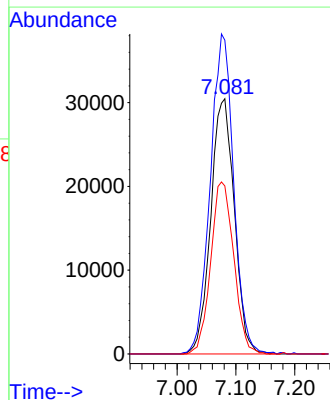
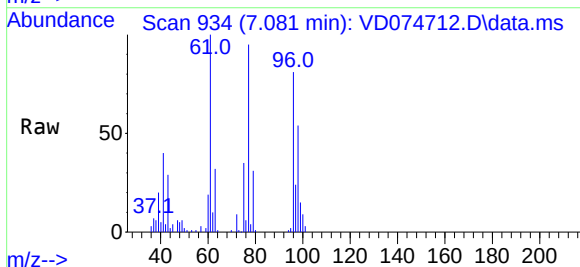
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

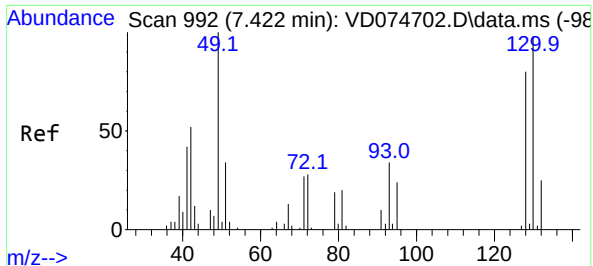
Tgt Ion: 77 Resp: 120182  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.5 37.5



#27  
cis-1,2-Dichloroethene  
Concen: 42.043 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 96 Resp: 85029  
Ion Ratio Lower Upper  
96 100  
61 123.9 0.0 242.4  
98 65.9 0.0 130.0

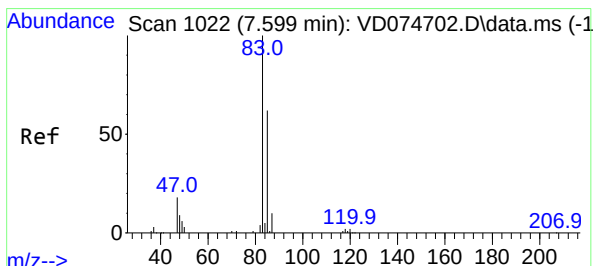
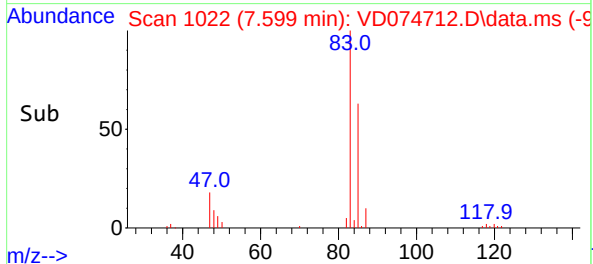
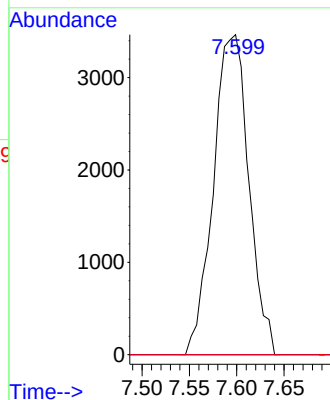
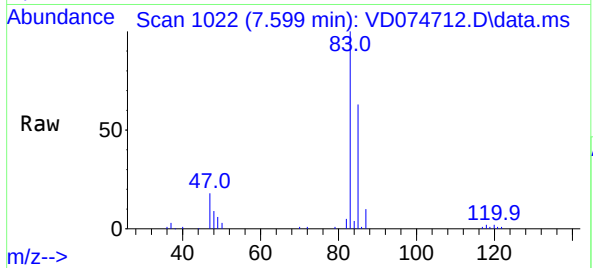




#28  
Bromochloromethane  
Concen: 10.263 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.177 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

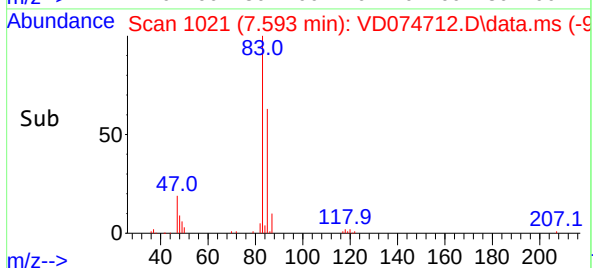
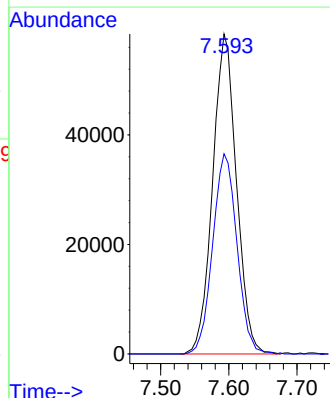
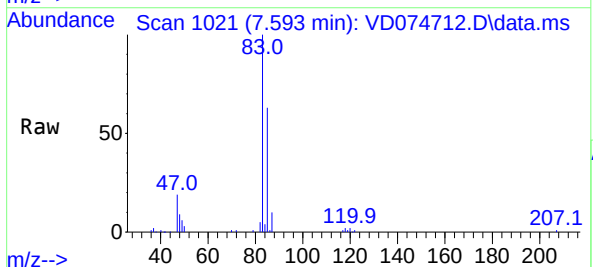
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

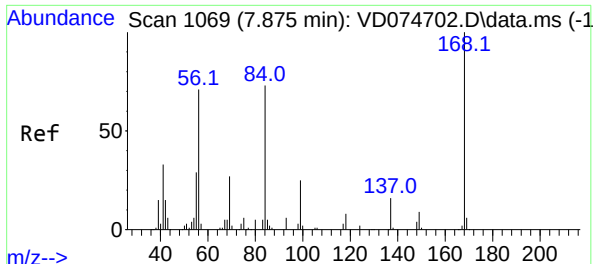
Tgt Ion: 49 Resp: 9024  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 5.0  
130 0.0 84.1 126.1#



#30  
Chloroform  
Concen: 47.794 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 83 Resp: 142265  
Ion Ratio Lower Upper  
83 100  
85 62.6 52.0 78.0

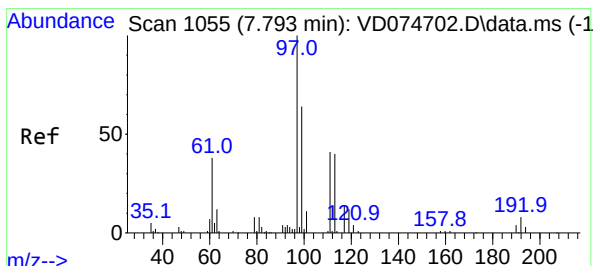
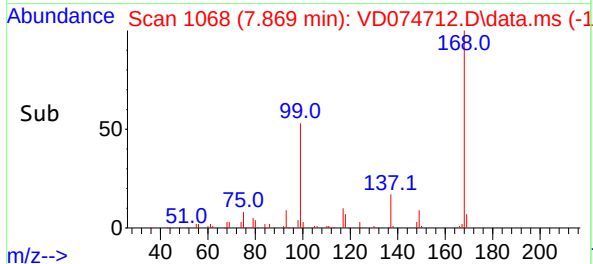
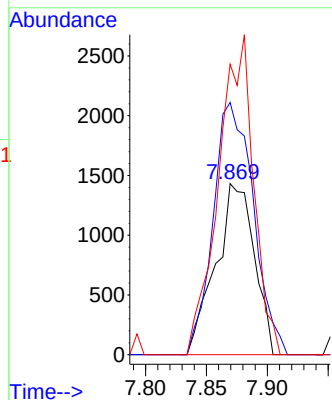
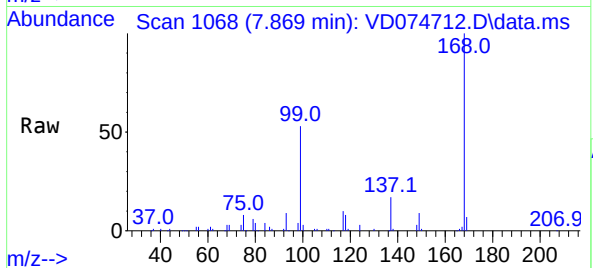




#31  
Cyclohexane  
Concen: 1.271 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

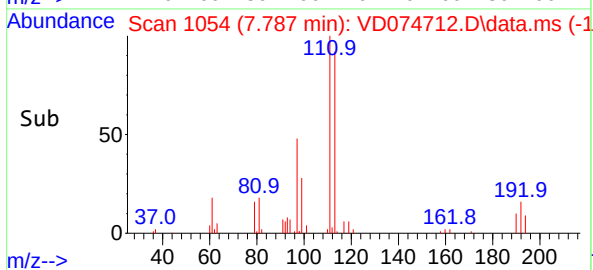
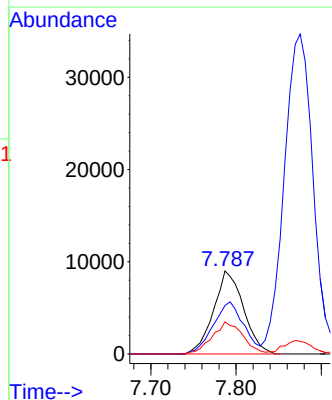
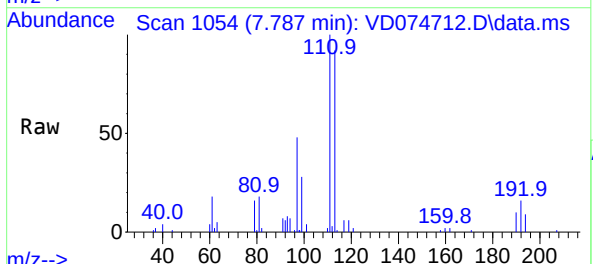
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

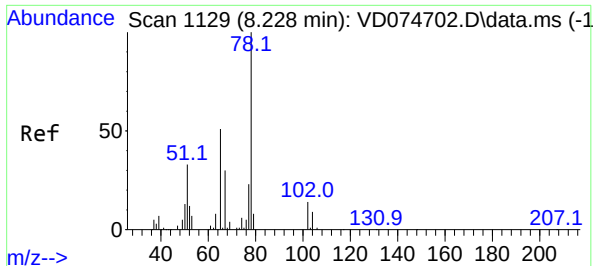
Tgt Ion: 56 Resp: 3156  
Ion Ratio Lower Upper  
56 100  
69 147.4 29.2 43.8#  
84 170.0 83.4 125.2#



#32  
1,1,1-Trichloroethane  
Concen: 8.356 ug/l  
RT: 7.787 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 97 Resp: 21972  
Ion Ratio Lower Upper  
97 100  
99 64.2 53.3 79.9  
61 39.2 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 51.292 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074712.D

Acq: 03 Nov 2022 13:46

Instrument :

MSVOA\_D

ClientSampleId :

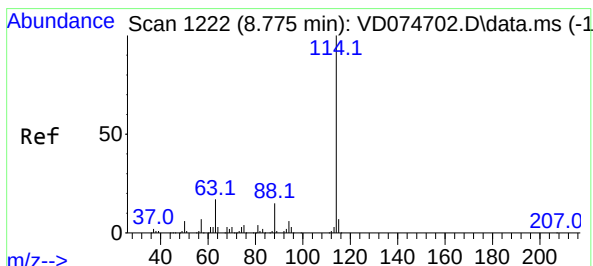
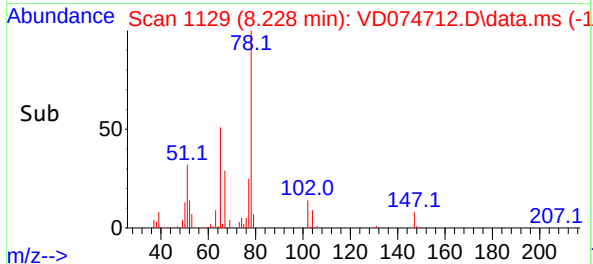
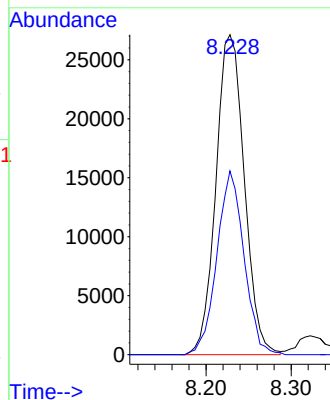
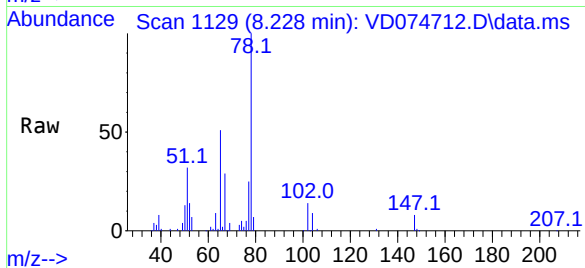
PT-VOA-SOILDL

Tgt Ion: 65 Resp: 62904

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074712.D

Acq: 03 Nov 2022 13:46

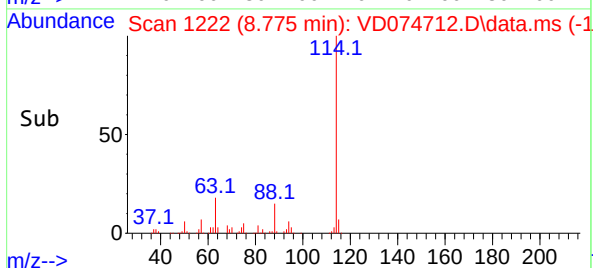
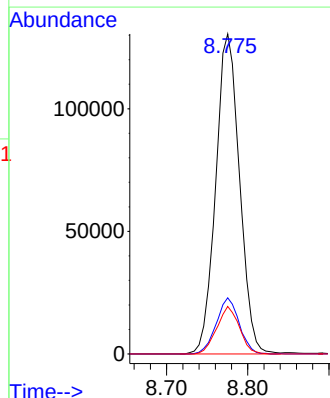
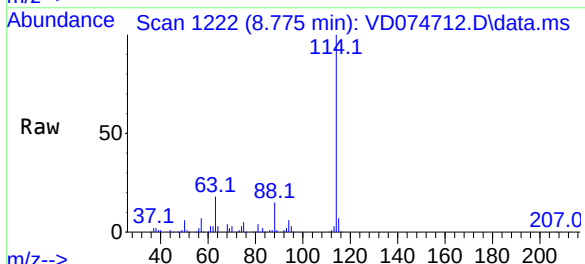
Tgt Ion: 114 Resp: 266008

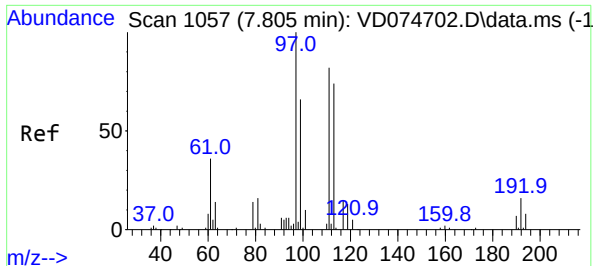
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.2

88 14.9 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.039 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074712.D

Acq: 03 Nov 2022 13:46

Instrument :

MSVOA\_D

ClientSampleId :

PT-VOA-SOILDL

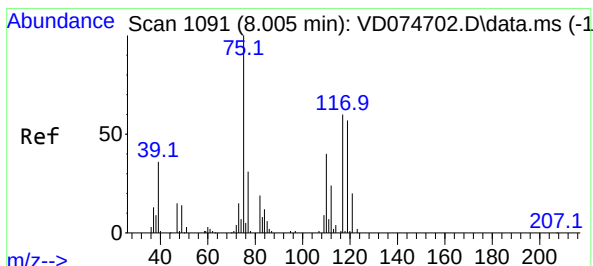
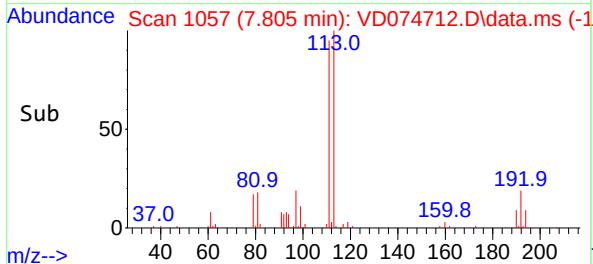
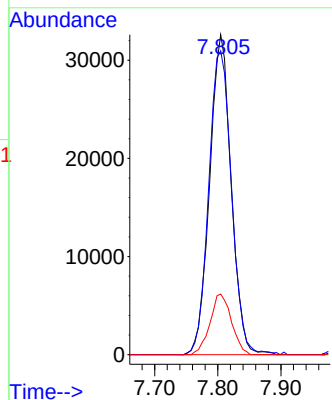
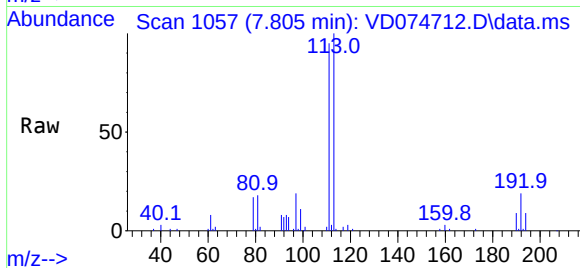
Tgt Ion:113 Resp: 77165

Ion Ratio Lower Upper

113 100

111 100.7 82.3 123.5

192 18.9 16.4 24.6



#36

1,1-Dichloropropene

Concen: 33.998 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VD074712.D

Acq: 03 Nov 2022 13:46

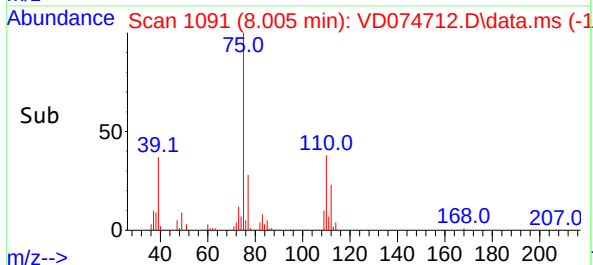
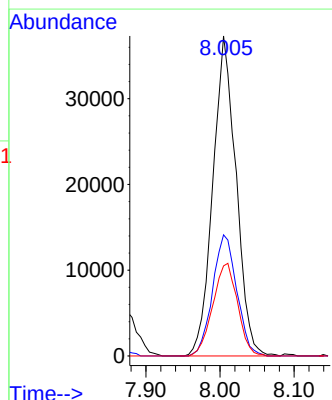
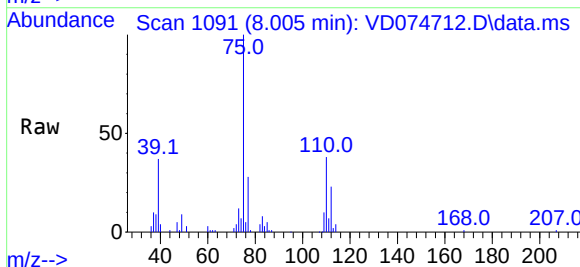
Tgt Ion: 75 Resp: 81204

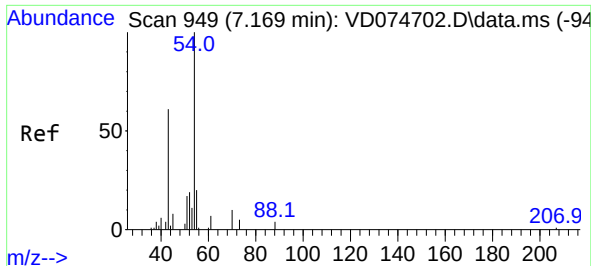
Ion Ratio Lower Upper

75 100

110 39.4 19.7 59.0

77 30.9 25.4 38.2





#37

Ethyl Acetate

Concen: 40.724 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074712.D

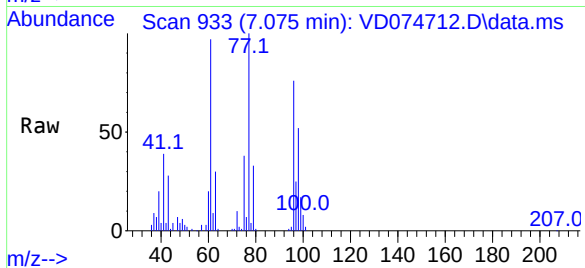
Acq: 03 Nov 2022 13:46

Instrument :

MSVOA\_D

ClientSampleId :

PT-VOA-SOILDL



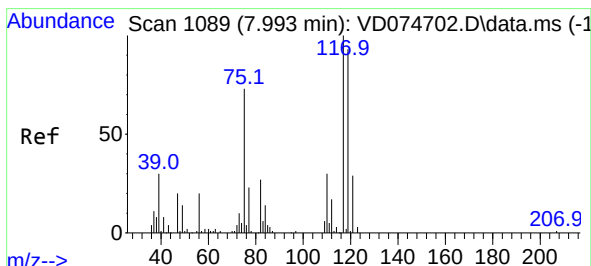
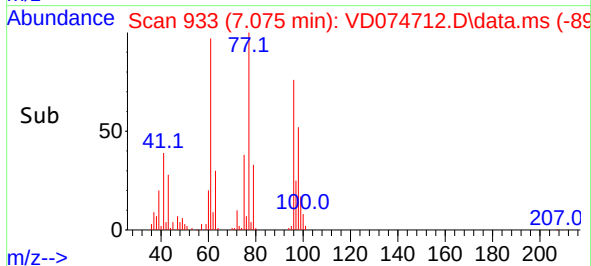
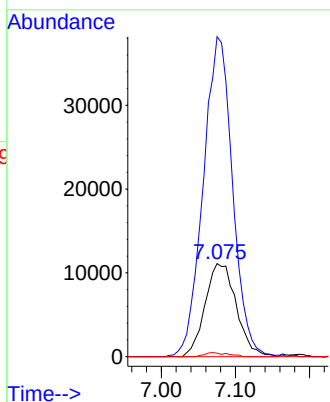
Tgt Ion: 43 Resp: 32447

Ion Ratio Lower Upper

43 100

61 324.7 12.2 18.4#

70 3.3 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.624 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074712.D

Acq: 03 Nov 2022 13:46

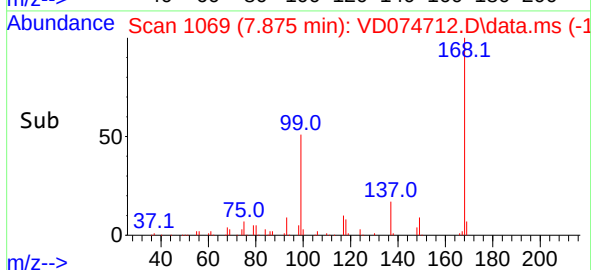
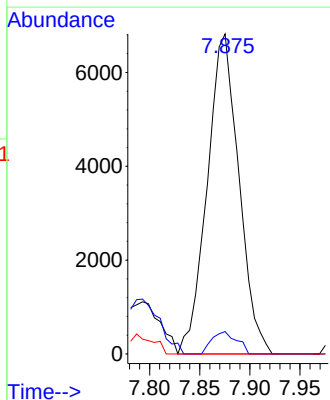
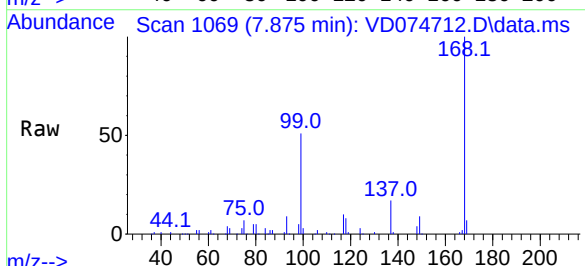
Tgt Ion: 117 Resp: 14989

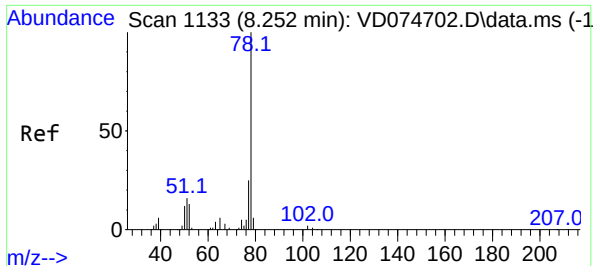
Ion Ratio Lower Upper

117 100

119 7.0 73.1 109.7#

121 0.0 25.0 37.6#

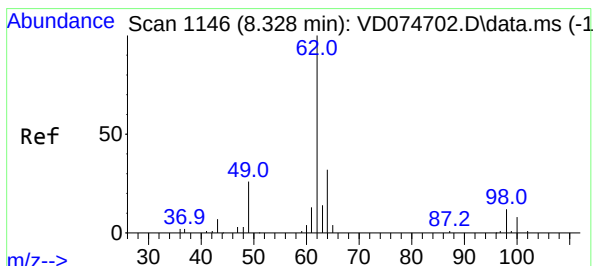
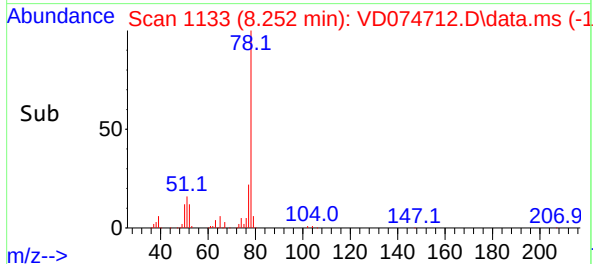
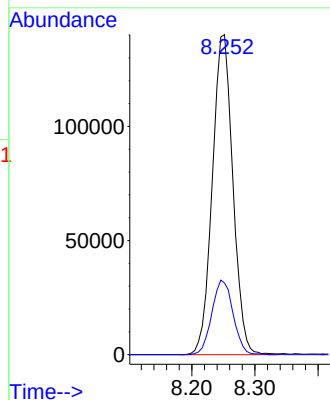
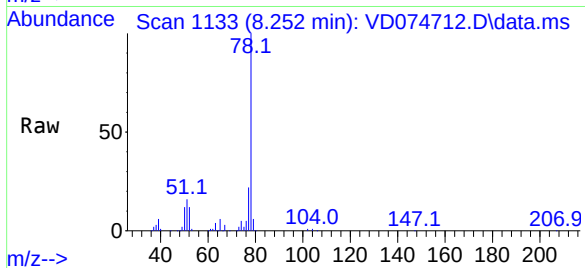




#40  
Benzene  
Concen: 44.968 ug/l  
RT: 8.252 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

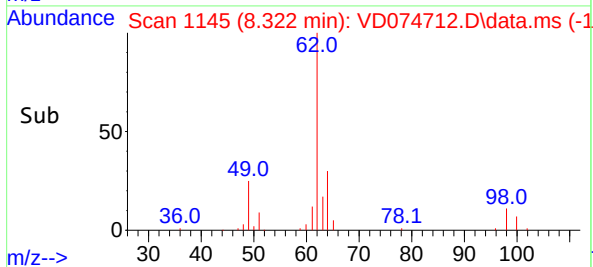
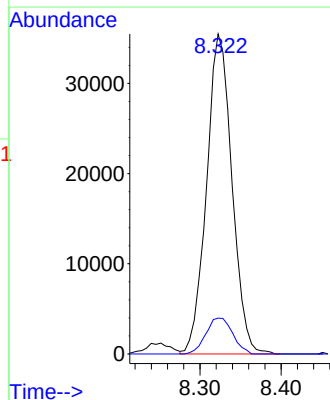
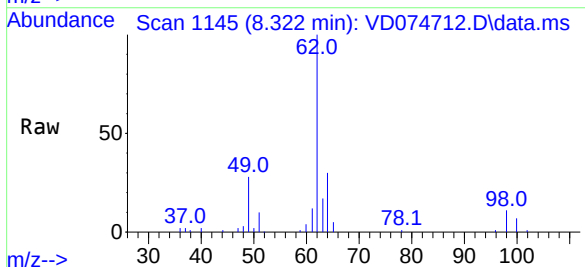
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

Tgt Ion: 78 Resp: 317459  
Ion Ratio Lower Upper  
78 100  
77 22.4 20.1 30.1

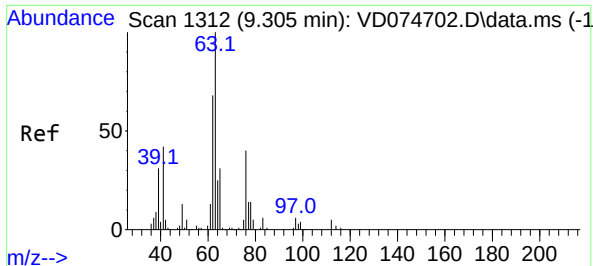


#42  
1,2-Dichloroethane  
Concen: 47.554 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 62 Resp: 77179  
Ion Ratio Lower Upper  
62 100  
98 11.8 0.0 24.2



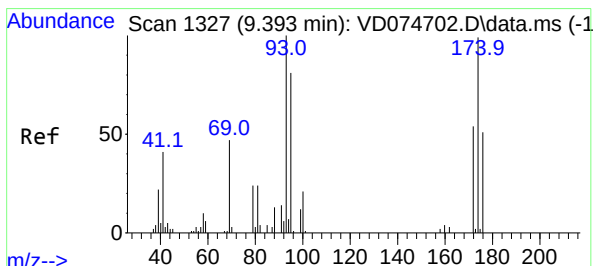
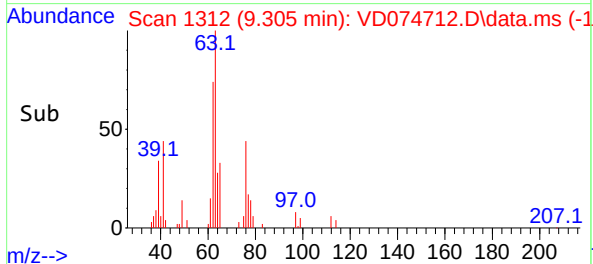
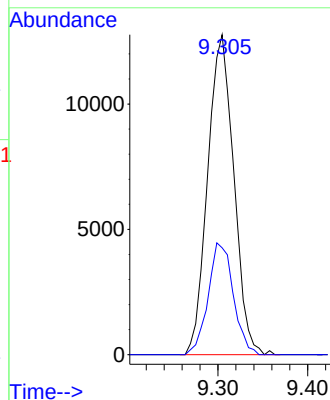
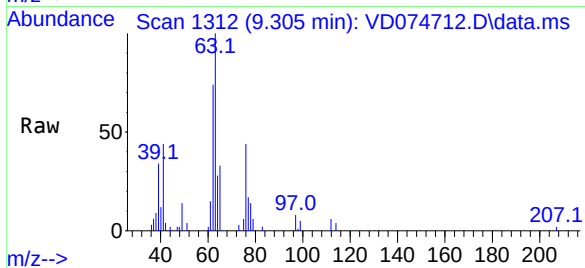




#45  
1,2-Dichloropropane  
Concen: 16.523 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

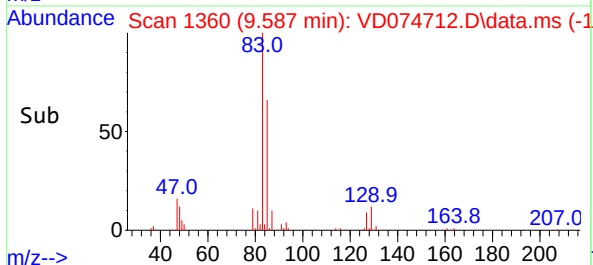
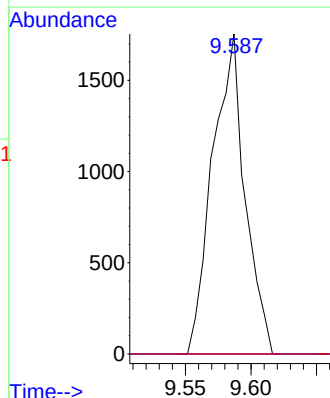
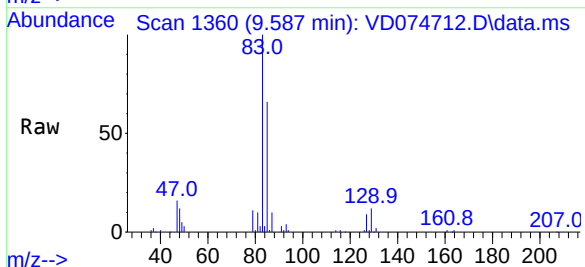
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

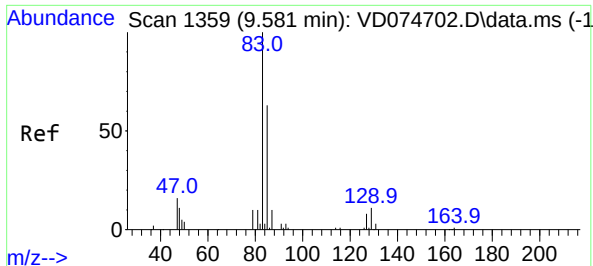
Tgt Ion: 63 Resp: 25799  
Ion Ratio Lower Upper  
63 100  
65 33.4 23.1 34.7



#46  
Dibromomethane  
Concen: 3.324 ug/l  
RT: 9.587 min Scan# 1360  
Delta R.T. 0.194 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 93 Resp: 3008  
Ion Ratio Lower Upper  
93 100  
95 0.0 68.2 102.2#  
174 0.0 87.4 131.0#

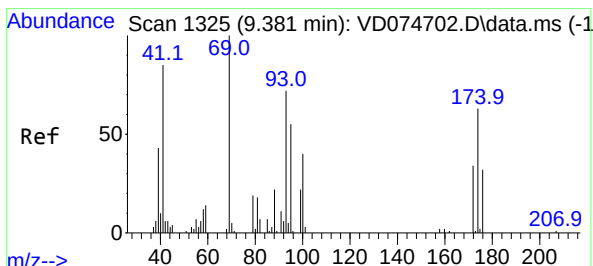
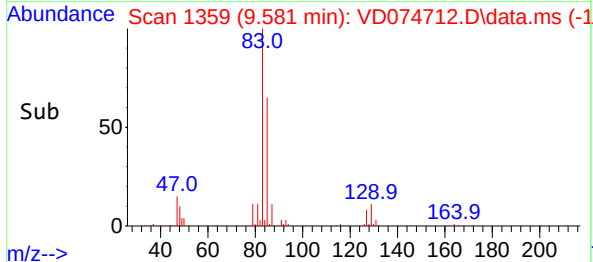
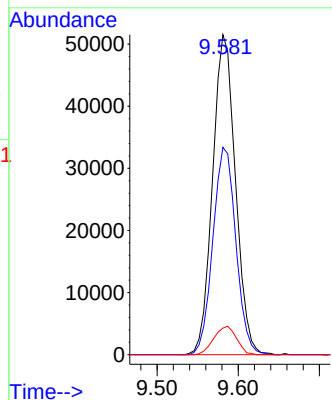
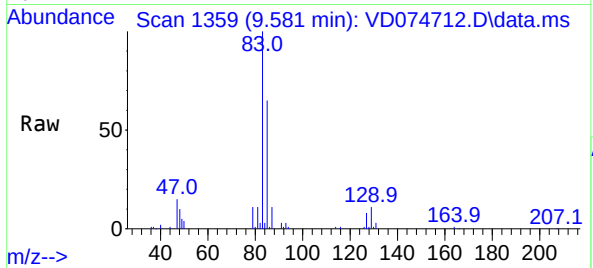




#47  
Bromodichloromethane  
Concen: 46.279 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

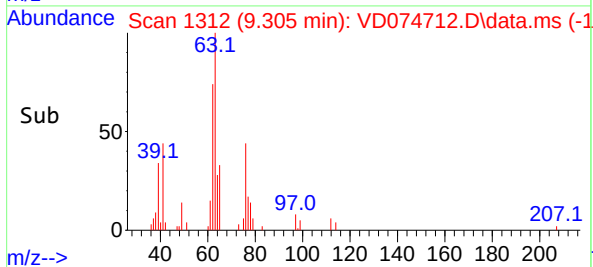
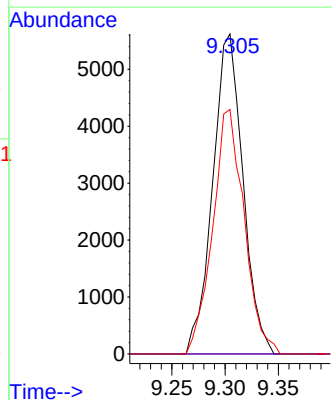
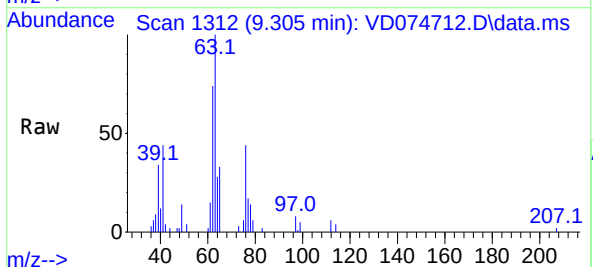
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

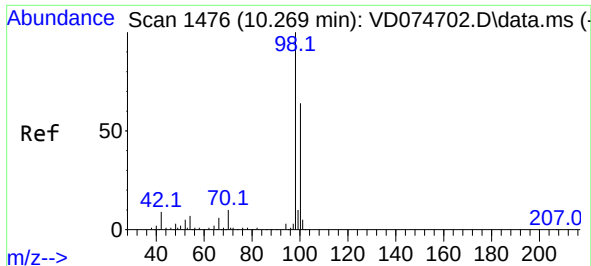
Tgt Ion: 83 Resp: 100811  
Ion Ratio Lower Upper  
83 100  
85 64.8 48.8 73.2  
127 8.3 6.7 10.1



#48  
Methyl methacrylate  
Concen: 16.788 ug/l  
RT: 9.305 min Scan# 1312  
Delta R.T. -0.076 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 41 Resp: 11091  
Ion Ratio Lower Upper  
41 100  
69 0.0 93.0 139.4#  
39 79.5 44.6 66.8#

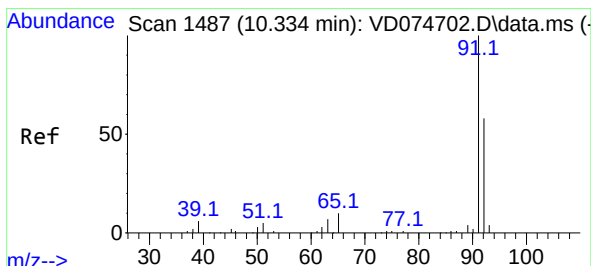
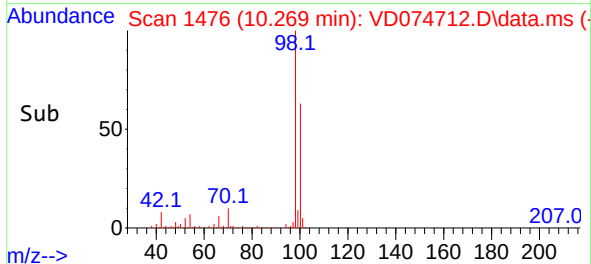
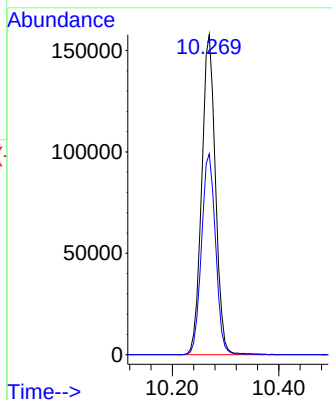
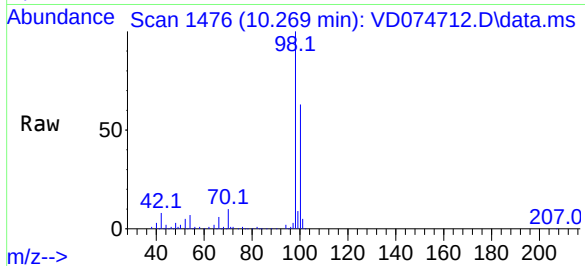




#50  
Toluene-d8  
Concen: 49.260 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

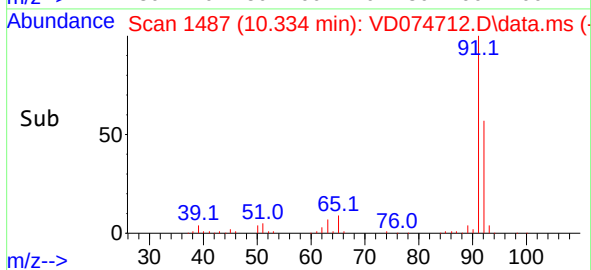
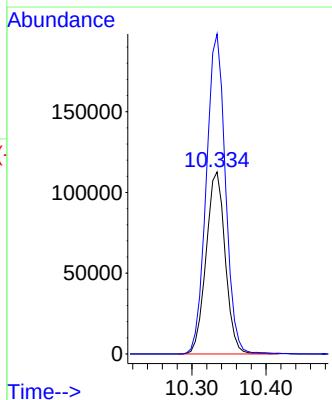
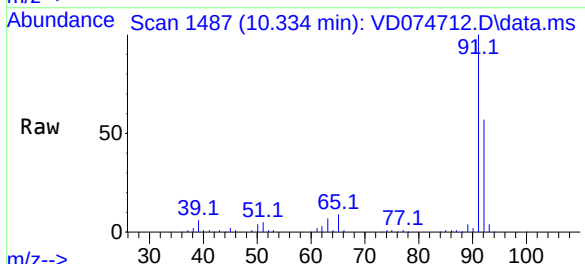
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

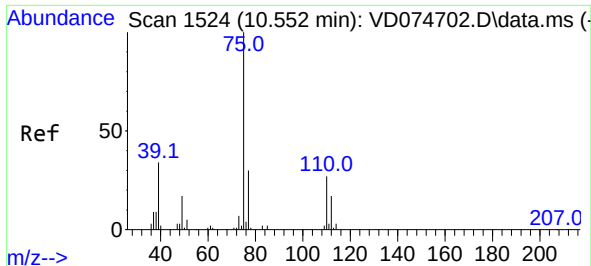
Tgt Ion: 98 Resp: 282746  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.4 77.0



#52  
Toluene  
Concen: 46.734 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 92 Resp: 202003  
Ion Ratio Lower Upper  
92 100  
91 175.9 139.0 208.4

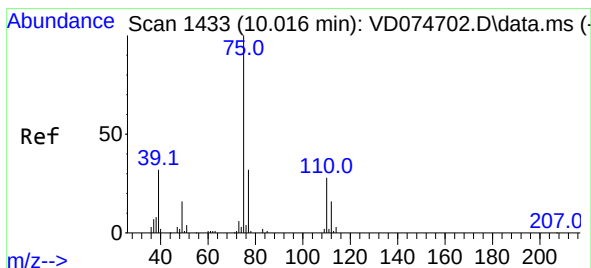
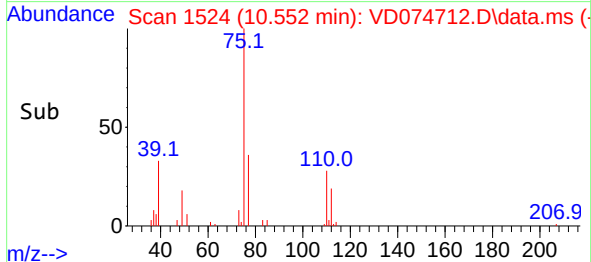
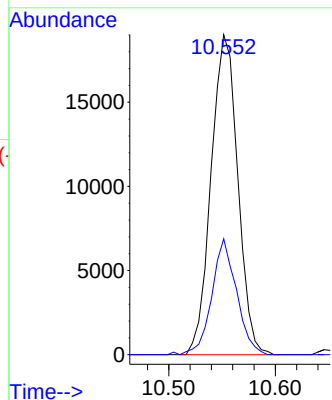
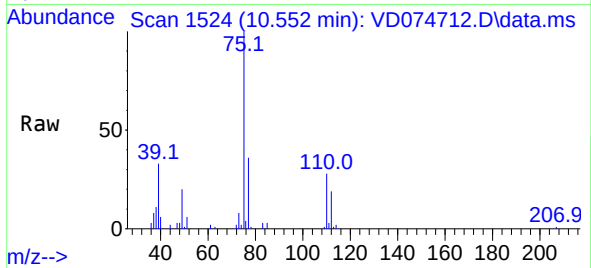




#53  
 t-1,3-Dichloropropene  
 Concen: 17.160 ug/l  
 RT: 10.552 min Scan# 1524  
 Delta R.T. -0.000 min  
 Lab File: VD074712.D  
 Acq: 03 Nov 2022 13:46

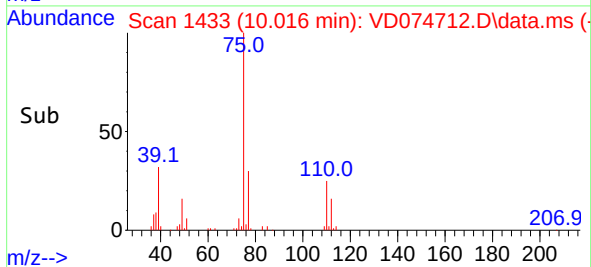
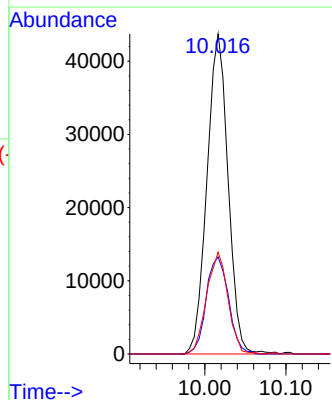
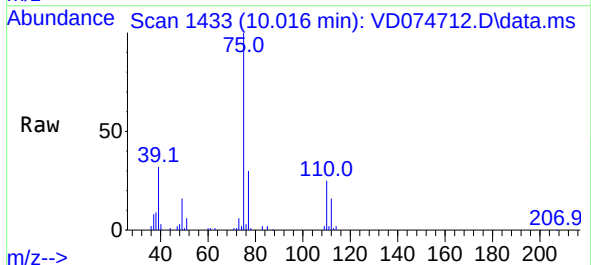
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PT-VOA-SOILDL

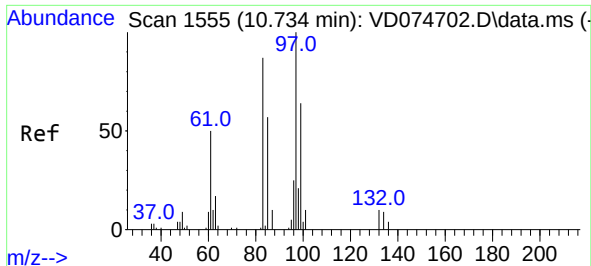
Tgt Ion: 75 Resp: 33060  
 Ion Ratio Lower Upper  
 75 100  
 77 36.2 25.6 38.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 32.655 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD074712.D  
 Acq: 03 Nov 2022 13:46

Tgt Ion: 75 Resp: 78945  
 Ion Ratio Lower Upper  
 75 100  
 77 30.3 24.7 37.1  
 39 31.8 25.4 38.2

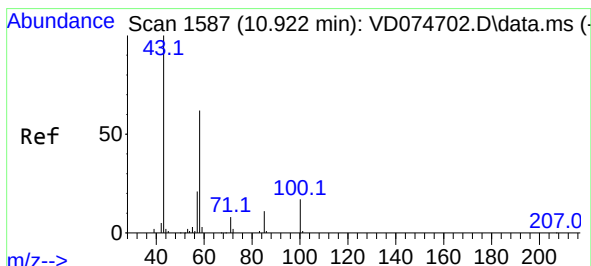
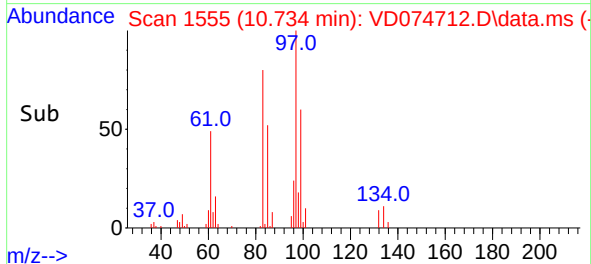
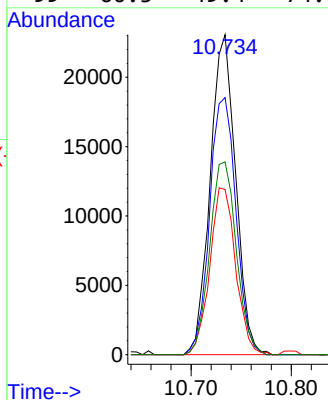
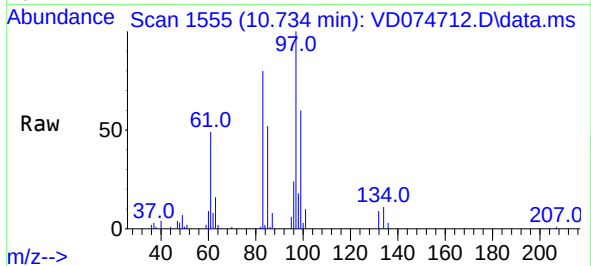




#55  
1,1,2-Trichloroethane  
Concen: 33.147 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

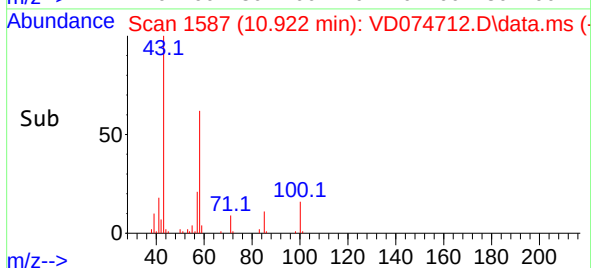
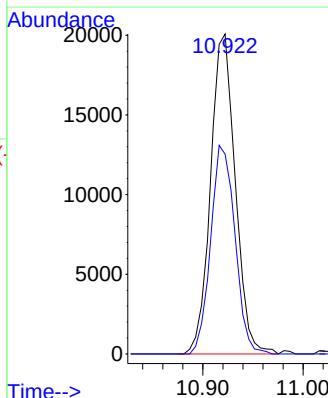
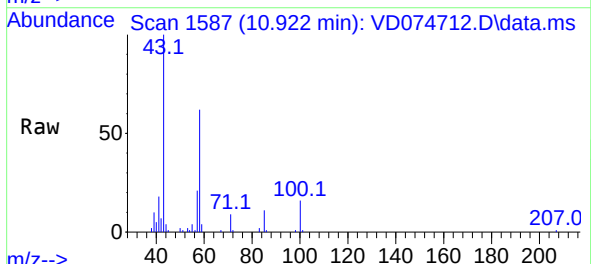
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

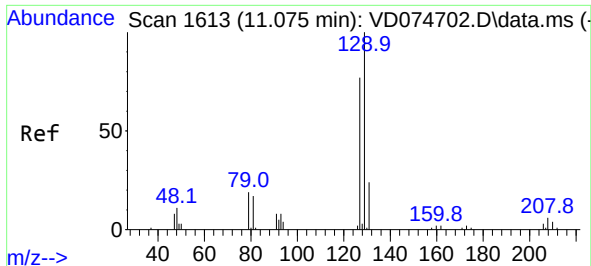
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 40745 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.4  | 64.8  | 97.2  |
| 85       | 51.6  | 44.8  | 67.2  |
| 99       | 60.3  | 49.4  | 74.0  |



#59  
2-Hexanone  
Concen: 69.530 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34386 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 64.1  | 32.0  | 96.2  |

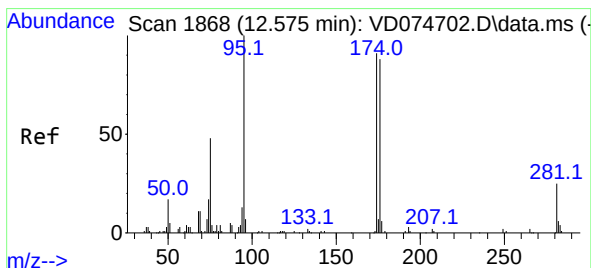
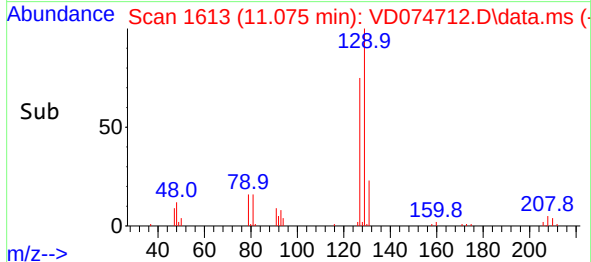
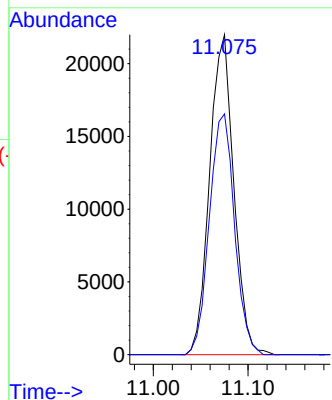
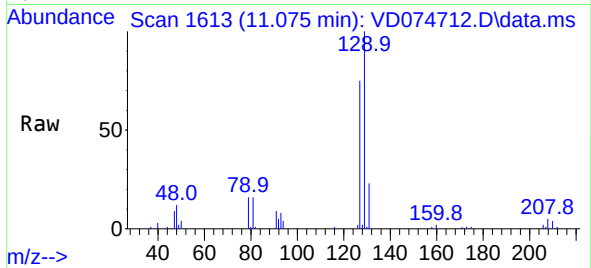




#60  
Dibromochloromethane  
Concen: 26.534 ug/l  
RT: 11.075 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

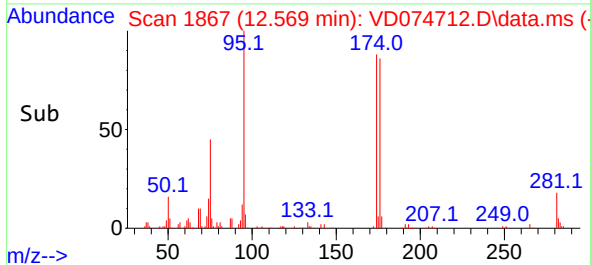
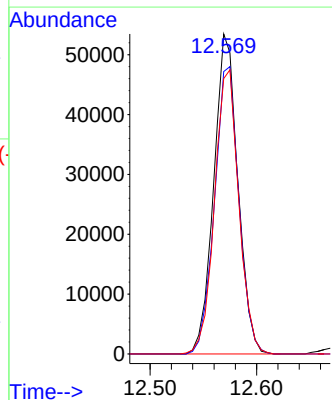
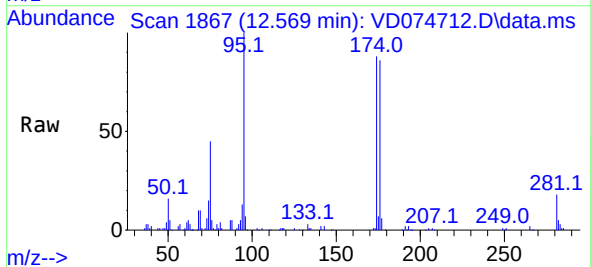
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

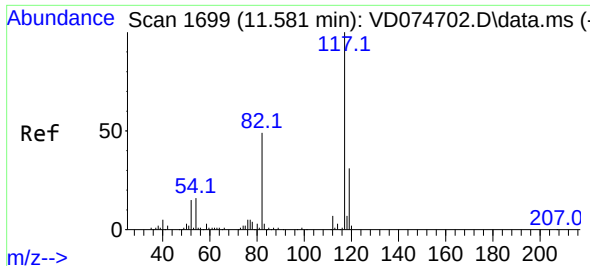
Tgt Ion:129 Resp: 38937  
Ion Ratio Lower Upper  
129 100  
127 78.4 39.1 117.2



#62  
4-Bromofluorobenzene  
Concen: 50.626 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 95 Resp: 83901  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 197.0  
176 89.5 0.0 182.6

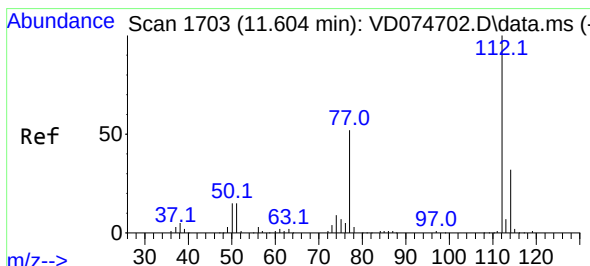
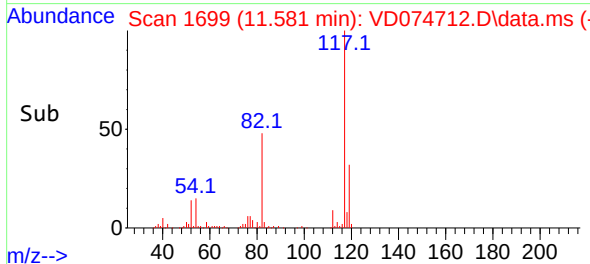
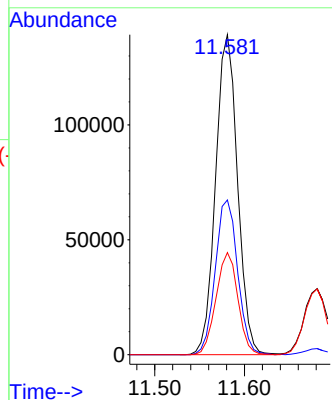
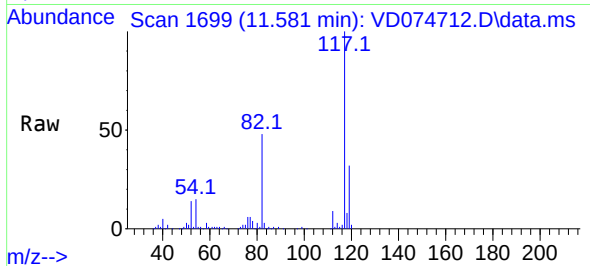




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

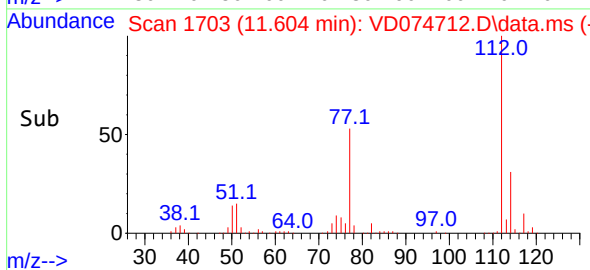
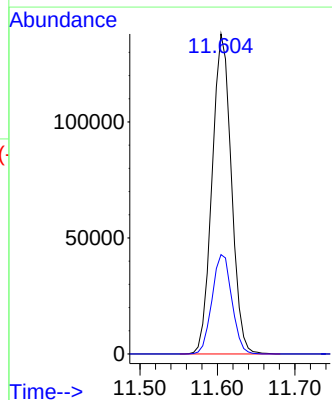
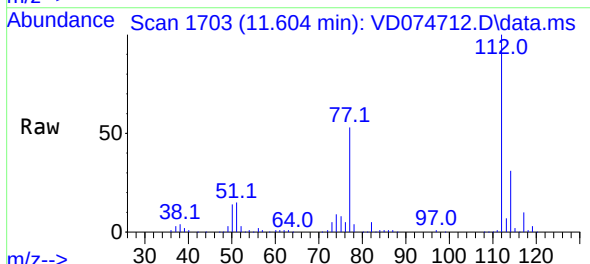
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

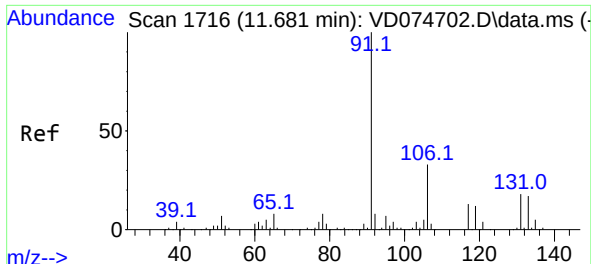
Tgt Ion:117 Resp: 236582  
Ion Ratio Lower Upper  
117 100  
82 48.3 41.6 62.4  
119 31.9 25.2 37.8



#65  
Chlorobenzene  
Concen: 50.826 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion:112 Resp: 238130  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.1 37.7

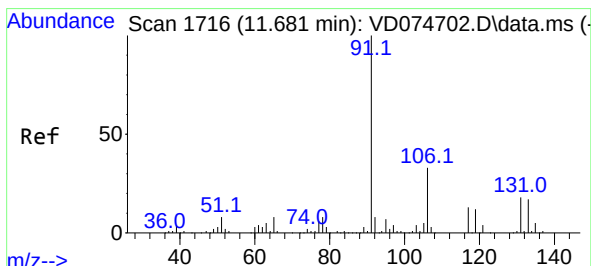
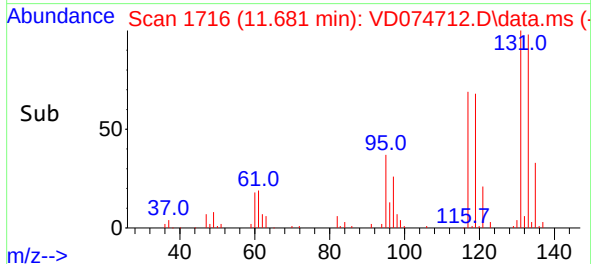
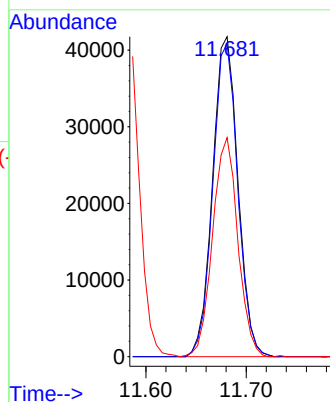
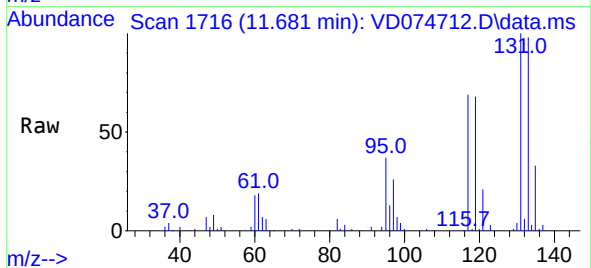




#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.132 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

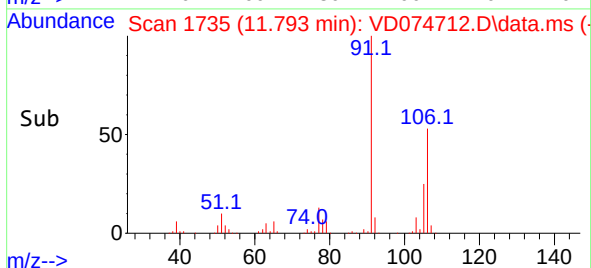
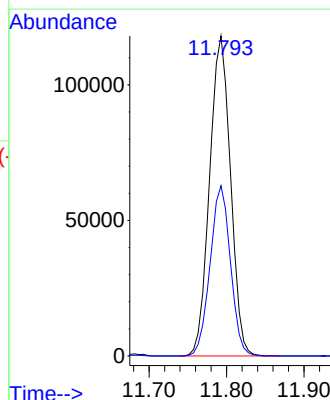
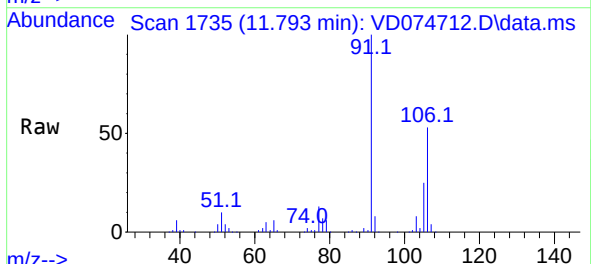
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

Tgt Ion:131 Resp: 73331  
Ion Ratio Lower Upper  
131 100  
133 96.2 46.6 139.8  
119 67.9 32.5 97.4

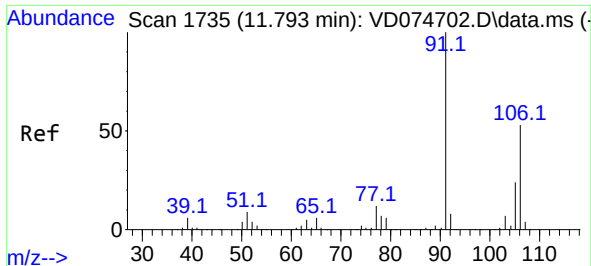


#67  
Ethyl Benzene  
Concen: 26.655 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.112 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 91 Resp: 221303  
Ion Ratio Lower Upper  
91 100  
106 53.2 26.6 40.0#



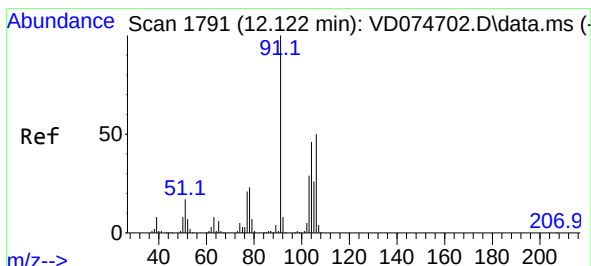
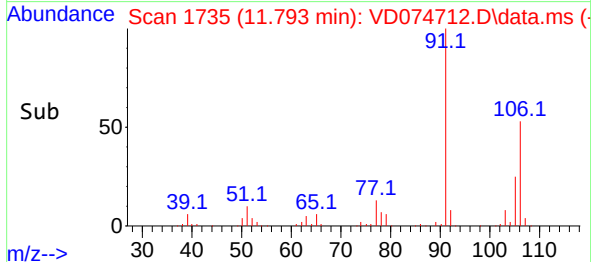
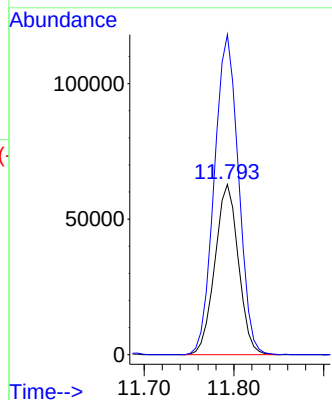
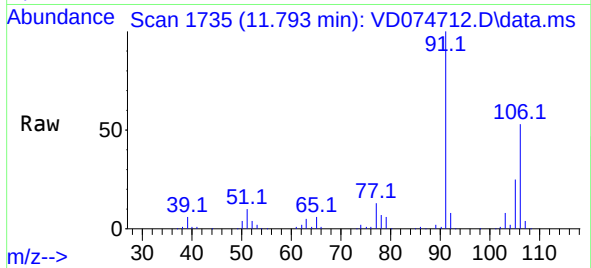




#68  
m/p-Xylenes  
Concen: 34.691 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

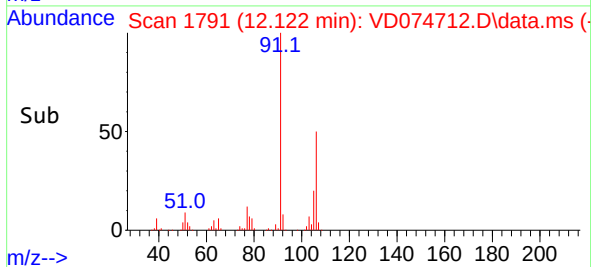
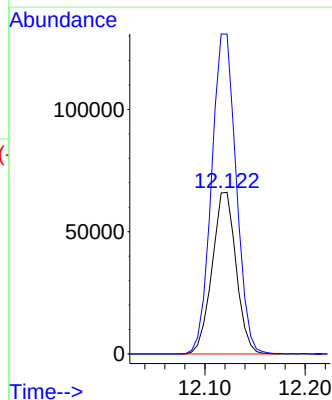
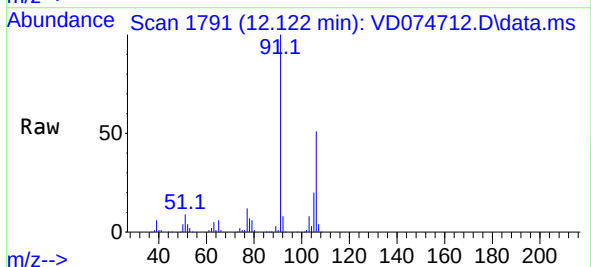
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

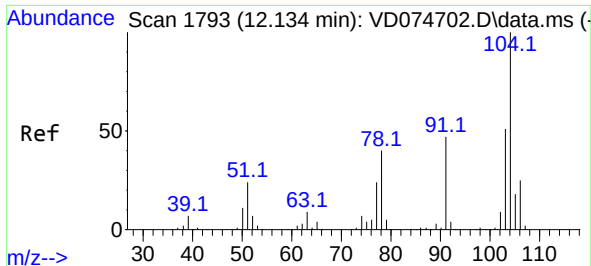
Tgt Ion:106 Resp: 114349  
Ion Ratio Lower Upper  
106 100  
91 193.5 156.2 234.4



#69  
o-Xylene  
Concen: 36.208 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion:106 Resp: 109723  
Ion Ratio Lower Upper  
106 100  
91 203.1 104.5 313.3

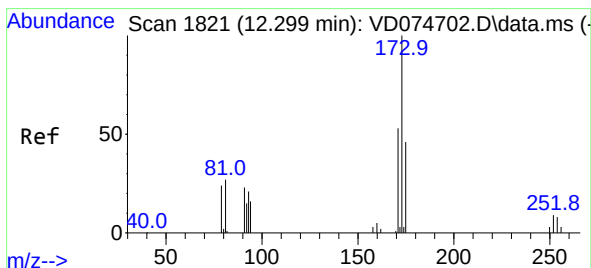
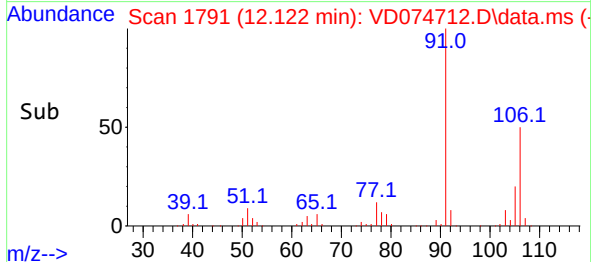
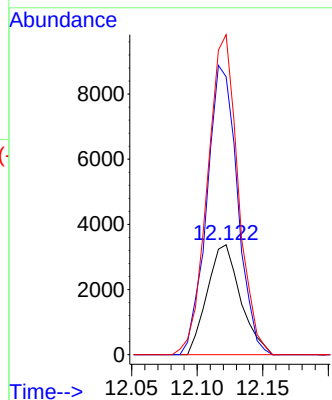
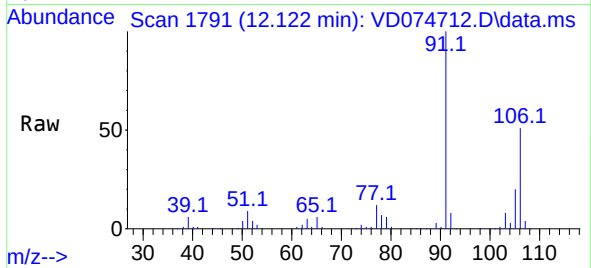




#70  
Styrene  
Concen: 1.160 ug/l  
RT: 12.122 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

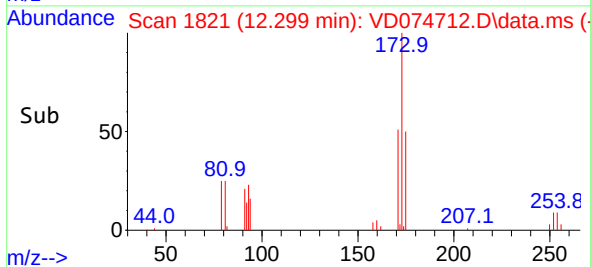
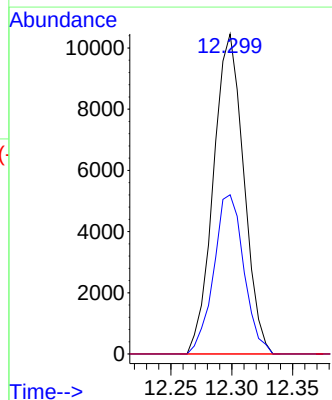
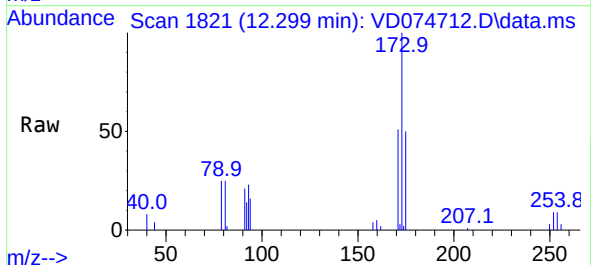
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

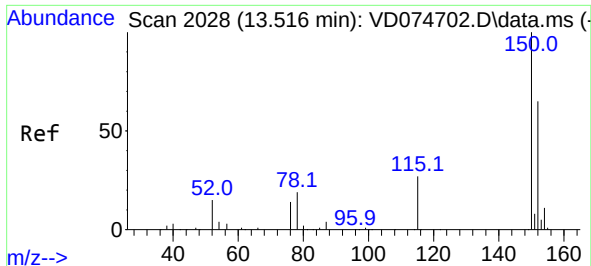
Tgt Ion:104 Resp: 5955  
Ion Ratio Lower Upper  
104 100  
78 242.4 35.7 53.5#  
103 268.2 43.7 65.5#



#71  
Bromoform  
Concen: 21.271 ug/l  
RT: 12.299 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

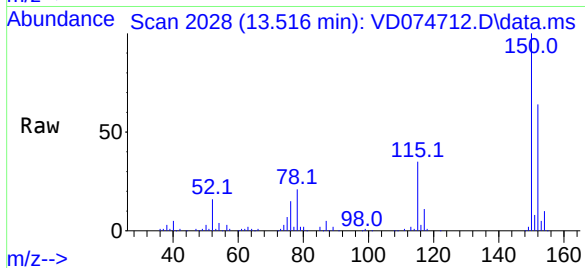
Tgt Ion:173 Resp: 18108  
Ion Ratio Lower Upper  
173 100  
175 49.5 23.1 69.3  
254 0.0 0.0 0.0



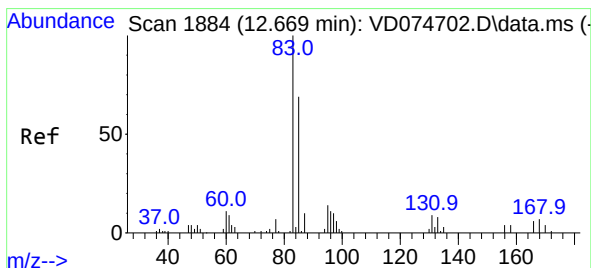
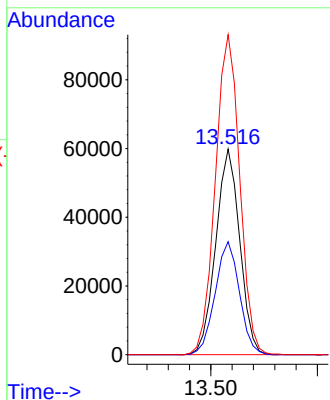
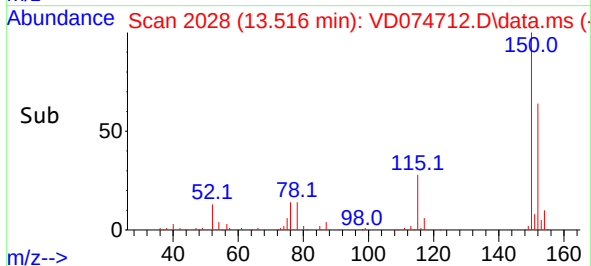


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

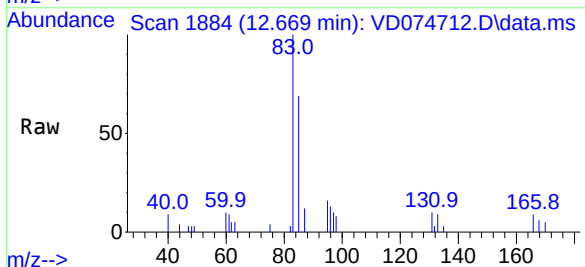
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL



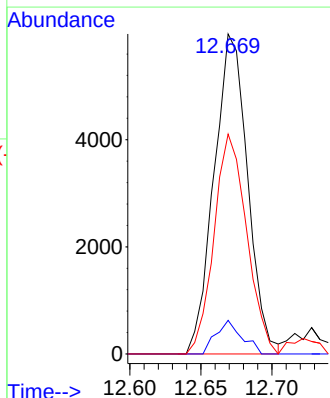
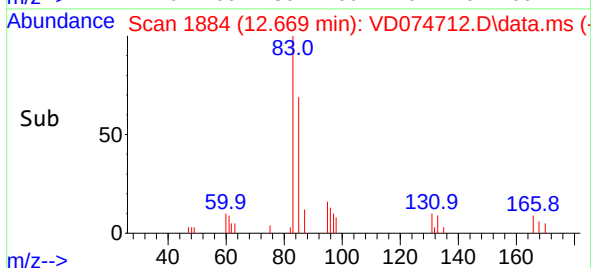
Tgt Ion:152 Resp: 93407  
Ion Ratio Lower Upper  
152 100  
115 55.7 26.8 80.4  
150 158.1 0.0 348.2

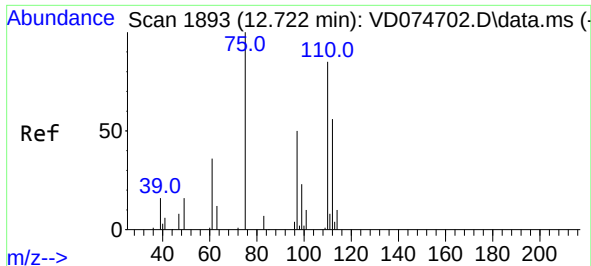


#75  
1,1,2,2-Tetrachloroethane  
Concen: 8.568 ug/l  
RT: 12.669 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46



Tgt Ion: 83 Resp: 9825  
Ion Ratio Lower Upper  
83 100  
131 8.0 4.7 14.1  
85 66.7 33.1 99.2

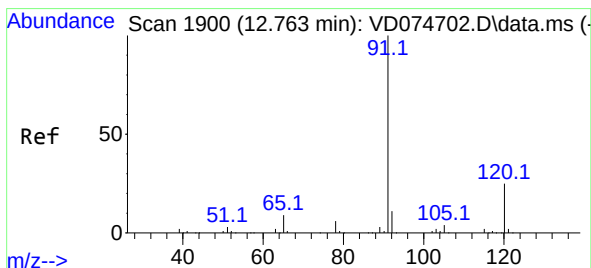
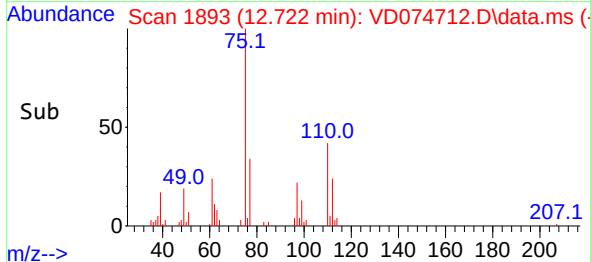
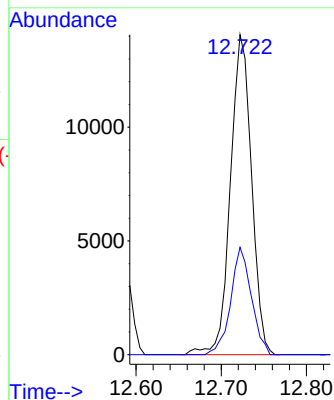
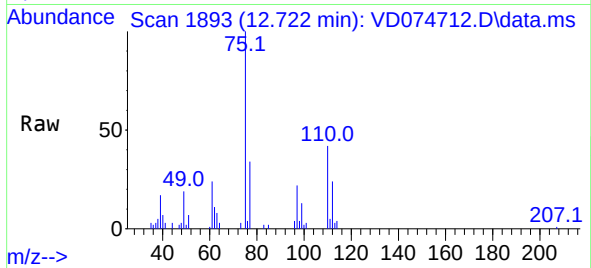




#76  
1,2,3-Trichloropropane  
Concen: 33.479 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

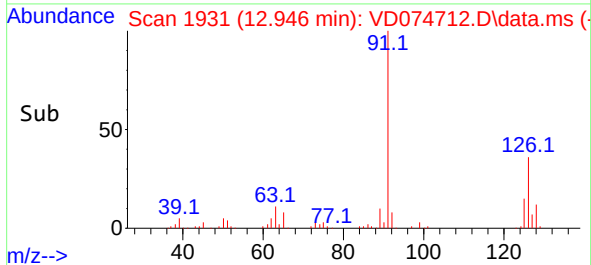
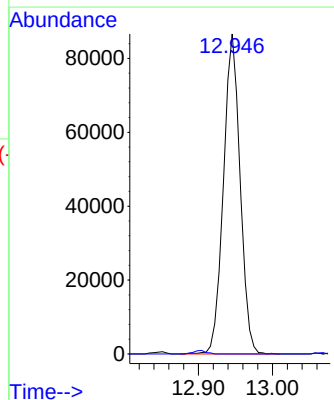
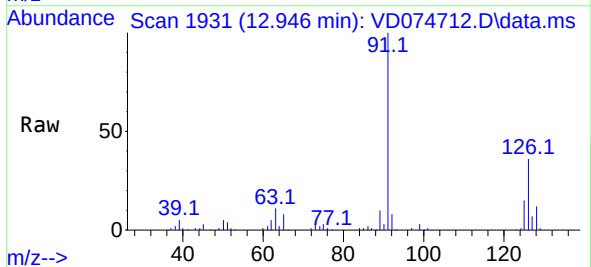
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

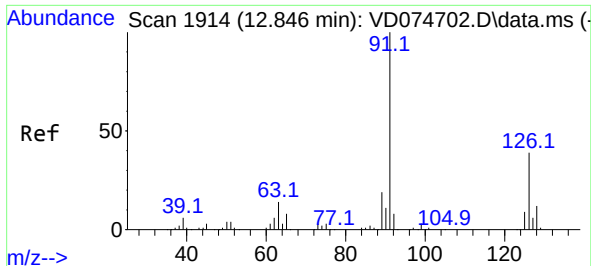
Tgt Ion: 75 Resp: 24242  
Ion Ratio Lower Upper  
75 100  
77 32.8 185.8 557.5#



#78  
n-propylbenzene  
Concen: 16.533 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.183 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 91 Resp: 135165  
Ion Ratio Lower Upper  
91 100  
120 0.0 11.9 35.7#

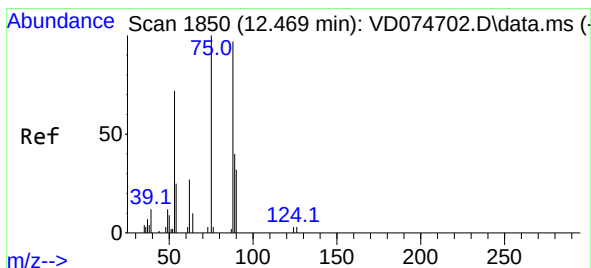
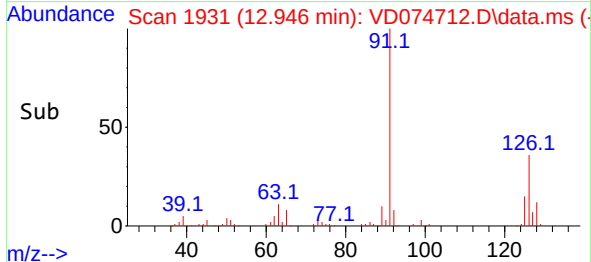
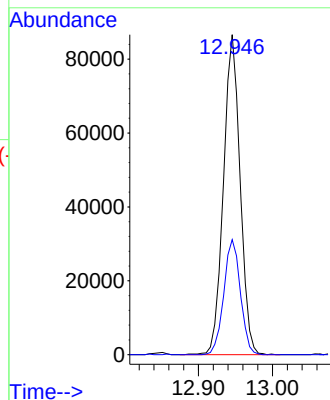
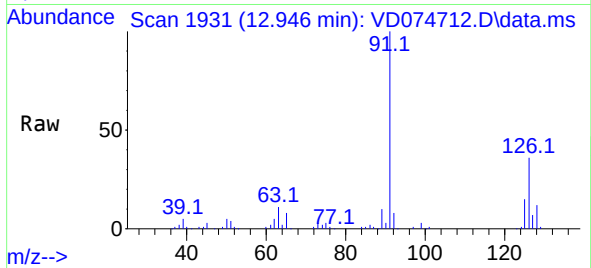




#79  
2-Chlorotoluene  
Concen: 30.705 ug/l  
RT: 12.946 min Scan# 1914  
Delta R.T. 0.100 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

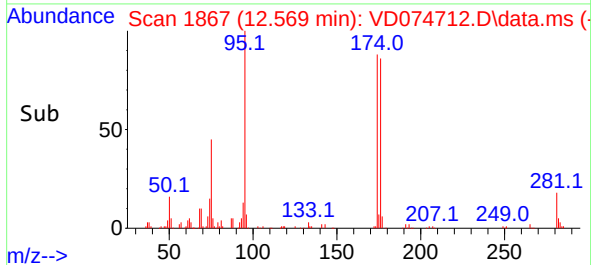
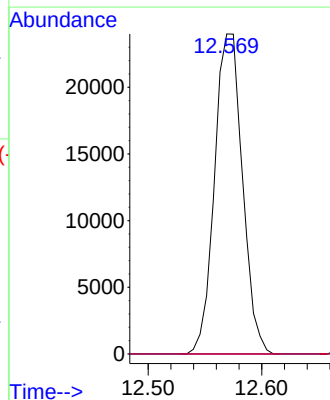
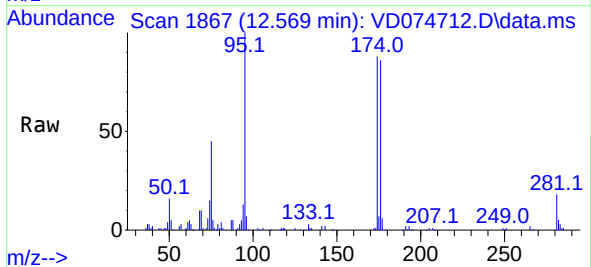
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

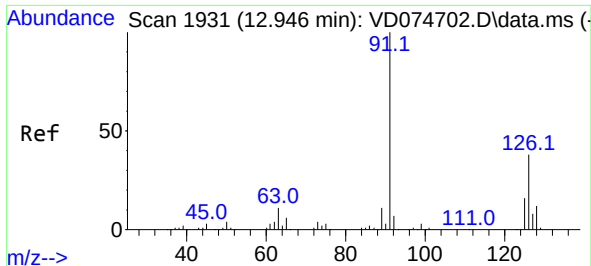
Tgt Ion: 91 Resp: 135165  
Ion Ratio Lower Upper  
91 100  
126 35.8 18.3 54.8



#81  
trans-1,4-Dichloro-2-butene  
Concen: 134.467 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.100 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 75 Resp: 41018  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

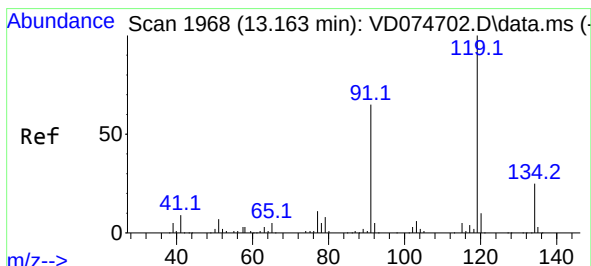
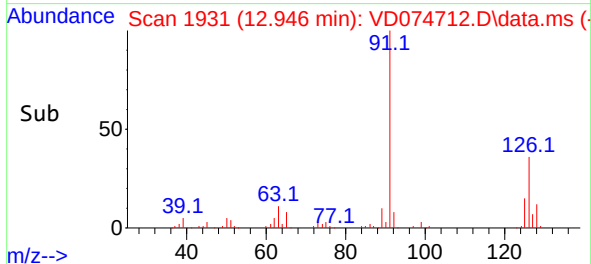
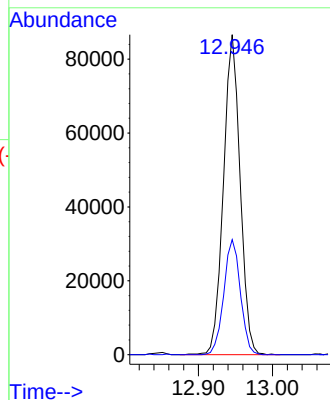
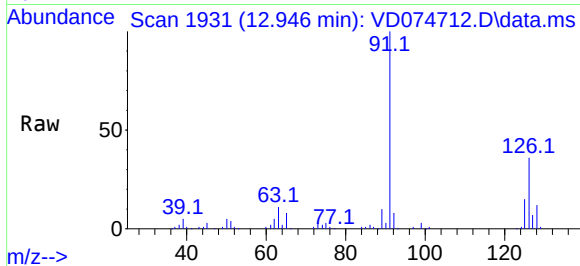




#82  
4-Chlorotoluene  
Concen: 29.521 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

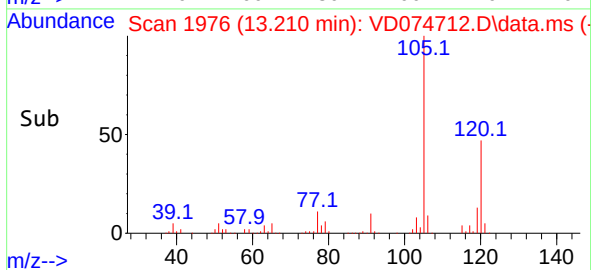
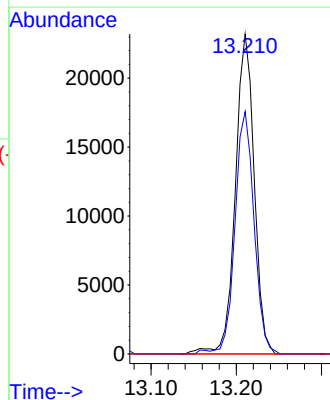
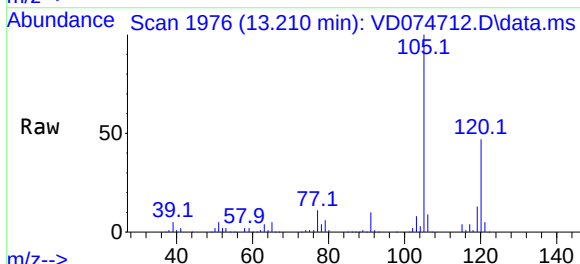
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

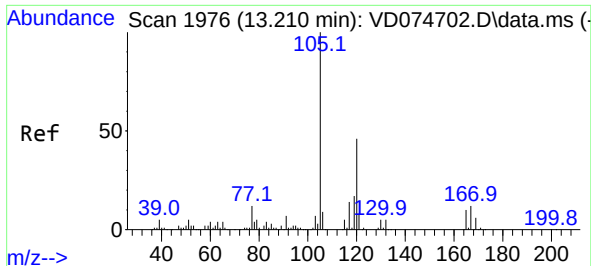
Tgt Ion: 91 Resp: 135165  
Ion Ratio Lower Upper  
91 100  
126 35.8 18.8 56.4



#83  
tert-Butylbenzene  
Concen: 7.257 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.047 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion: 119 Resp: 35609  
Ion Ratio Lower Upper  
119 100  
91 77.1 30.0 90.0  
134 0.0 13.4 40.1#

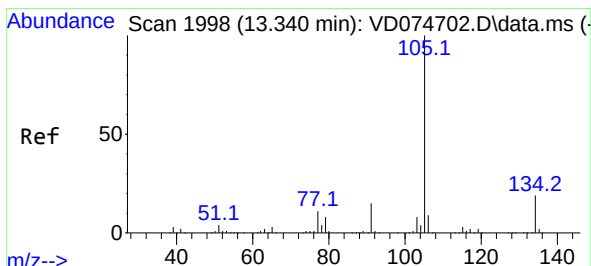
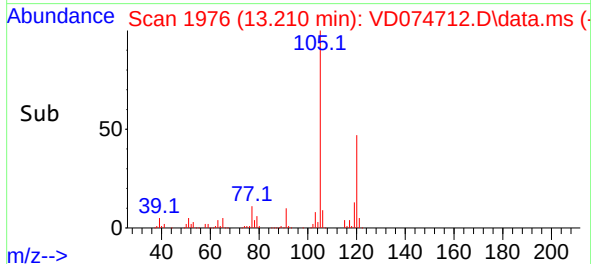
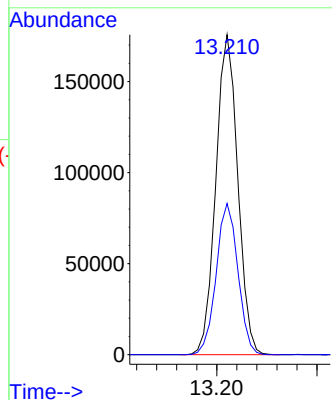
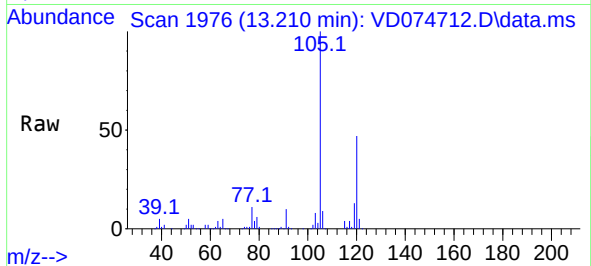




#84  
1,2,4-Trimethylbenzene  
Concen: 48.565 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

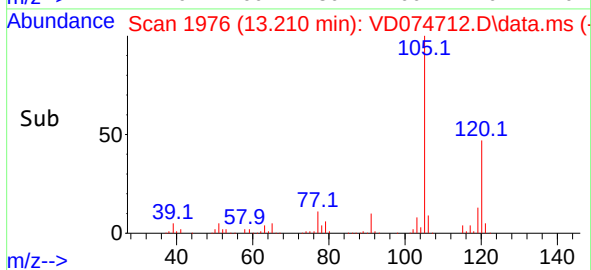
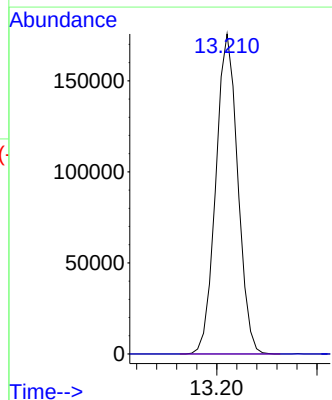
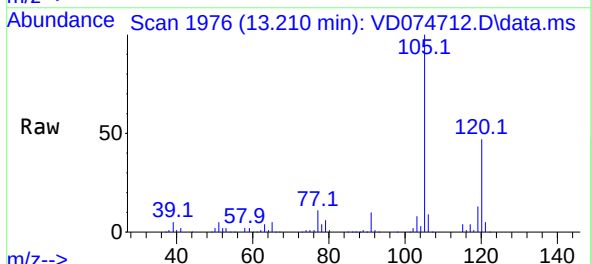
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

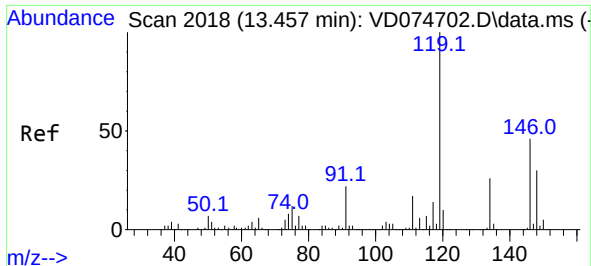
Tgt Ion:105 Resp: 266804  
Ion Ratio Lower Upper  
105 100  
120 46.8 22.9 68.7



#85  
sec-Butylbenzene  
Concen: 36.042 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.130 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion:105 Resp: 266804  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.0 30.0#

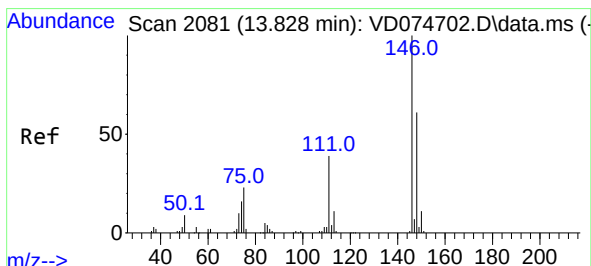
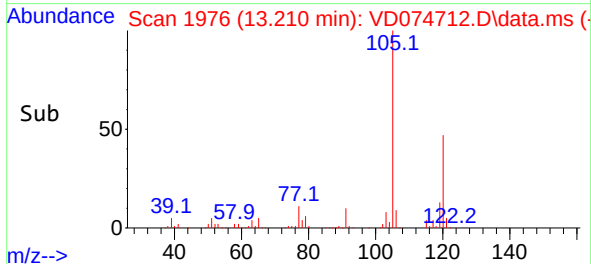
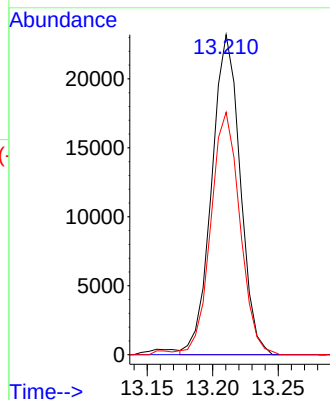
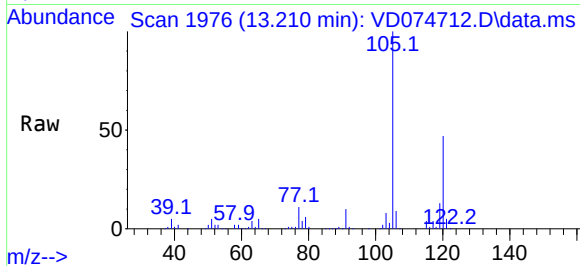




#86  
p-Isopropyltoluene  
Concen: 5.608 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.247 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

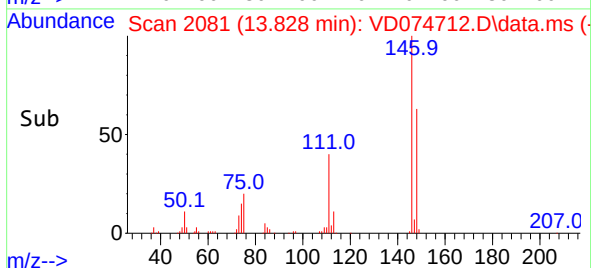
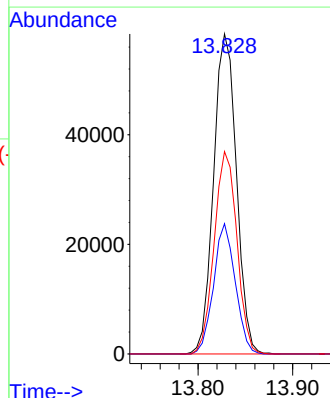
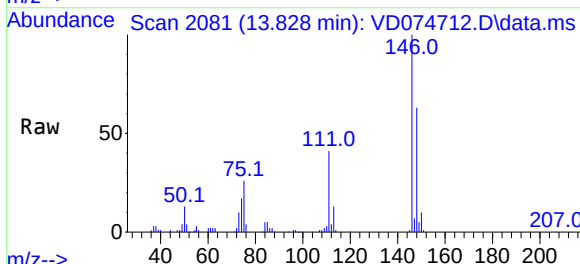
Instrument :  
MSVOA\_D  
ClientSampleId :  
PT-VOA-SOILDL

Tgt Ion:119 Resp: 34964  
Ion Ratio Lower Upper  
119 100  
134 0.0 13.5 40.4#  
91 77.8 10.8 32.4#

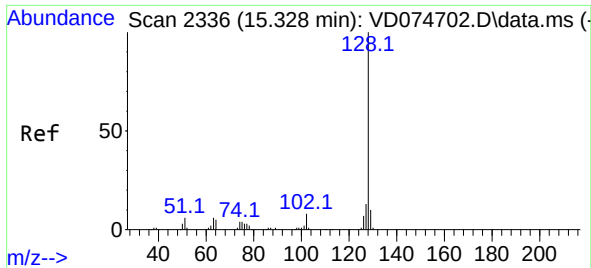


#91  
1,2-Dichlorobenzene  
Concen: 35.284 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VD074712.D  
Acq: 03 Nov 2022 13:46

Tgt Ion:146 Resp: 97919  
Ion Ratio Lower Upper  
146 100  
111 38.7 18.9 56.5  
148 63.0 31.9 95.5







#95

Naphthalene

Concen: 33.615 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD074712.D

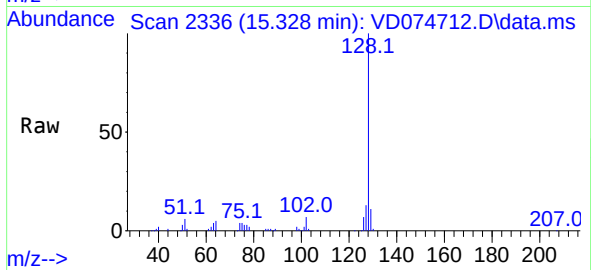
Acq: 03 Nov 2022 13:46

Instrument :

MSVOA\_D

ClientSampleId :

PT-VOA-SOILDL



Tgt Ion:128 Resp: 110633

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.3 12.5

