

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022421\  
 Data File : VW018233.D  
 Acq On : 24 Feb 2021 11:48  
 Operator : SY/VA  
 Sample : M1344-04  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

Quant Time: Feb 25 02:46:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 25 02:45:29 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 8.842  | 114  | 442921   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.634 | 117  | 410667   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152  | 211614   | 25.00 | ug/L  | 0.00     |

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds   |        |       |          |          |      |         |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 121926   | 24.91    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 99.64%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 92528    | 24.13    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 96.52%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 182070   | 18.33    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 73.32%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 66414    | 62.43    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 124.86% |
| 24) Chloroform-d              | 7.647  | 84    | 250335   | 23.28    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 93.12%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 136633   | 25.47    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 101.88% |
| 32) Benzene-d6                | 8.275  | 84    | 513930   | 24.03    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 96.12%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 141993   | 23.92    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 95.68%  |
| 41) Toluene-d8                | 10.323 | 98    | 485976   | 23.73    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 94.92%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 66975    | 25.01    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 100.04% |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 58547    | 62.21    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 124.42% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 133279   | 27.50    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 110.00% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 188420   | 24.33    | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 97.32%  |

|                               |       |     |       |      |        |        |
|-------------------------------|-------|-----|-------|------|--------|--------|
| Target Compounds              |       |     |       |      |        | Qvalue |
| 2) Dichlorodifluoromethane    | 2.014 | 85  | 5316  | 1.01 | ug/L   | 92     |
| 3) Chloromethane              | 2.215 | 50  | 4906  | 1.21 | ug/L   | 92     |
| 5) Vinyl chloride             | 2.367 | 62  | 7311  | 1.26 | ug/L # | 56     |
| 6) Bromomethane               | 2.788 | 94  | 5084  | 1.26 | ug/L   | 91     |
| 8) Chloroethane               | 2.934 | 64  | 3803  | 1.17 | ug/L   | 95     |
| 9) Trichlorofluoromethane     | 3.269 | 101 | 4053  | 0.98 | ug/L   | 94     |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074 | 101 | 8075  | 1.42 | ug/L # | 53     |
| 12) 1,1-Dichloroethene        | 4.044 | 96  | 7909  | 1.44 | ug/L # | 1      |
| 13) Acetone                   | 4.135 | 43  | 2707  | 3.77 | ug/L   | 65     |
| 14) Carbon disulfide          | 4.391 | 76  | 17633 | 1.05 | ug/L # | 93     |
| 15) Methyl Acetate            | 4.678 | 43  | 2528  | 1.35 | ug/L # | 71     |
| 16) Methylene chloride        | 4.915 | 84  | 13938 | 2.32 | ug/L   | 82     |
| 17) trans-1,2-Dichloroethene  | 5.428 | 96  | 6846  | 1.17 | ug/L   | 86     |
| 18) Methyl tert-butyl Ether   | 5.421 | 73  | 4514  | 0.77 | ug/L   | 96     |
| 19) 1,1-Dichloroethane        | 6.220 | 63  | 10432 | 1.14 | ug/L   | 94     |
| 20) cis-1,2-Dichloroethene    | 7.165 | 96  | 6679  | 1.10 | ug/L   | 80     |
| 22) 2-Butanone                | 7.183 | 43  | 3128  | 2.74 | ug/L   | 97     |
| 23) Bromochloromethane        | 7.513 | 128 | 3373  | 1.16 | ug/L # | 73     |
| 25) Chloroform                | 7.677 | 83  | 11673 | 1.17 | ug/L   | 90     |
| 27) 1,2-Dichloroethane        | 8.403 | 62  | 7658  | 1.27 | ug/L # | 95     |

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 Sample : M1344-04  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

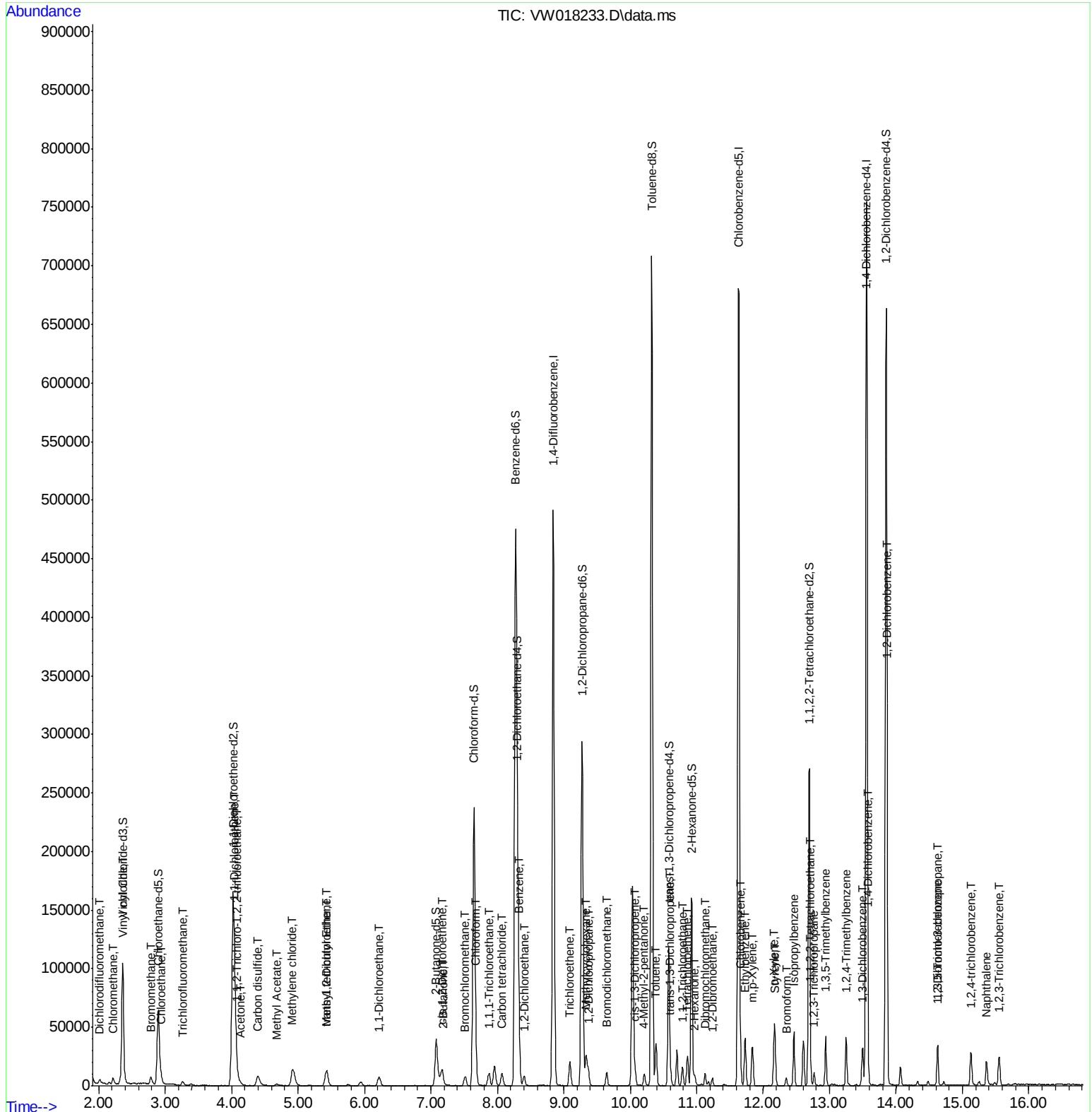
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

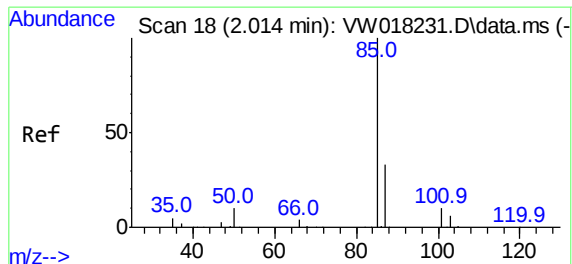
Quant Time: Feb 25 02:46:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 25 02:45:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 9003     | 1.09 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 8812     | 1.10 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 24649    | 1.12 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 6851     | 1.12 | ug/L   | 89       |
| 35) Methylcyclohexane         | 9.335  | 83   | 10512    | 1.04 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 5679     | 1.12 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 7658     | 1.08 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 9015     | 1.11 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 6773     | 2.63 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 27987    | 1.16 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 10683    | 1.53 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 4831     | 1.16 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 5852     | 1.08 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 5062     | 2.88 | ug/L   | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 5752     | 1.12 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 4806     | 1.18 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 17777    | 1.10 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 29491    | 1.08 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 11722    | 1.10 | ug/L   | 94       |
| 54) o-Xylene                  | 12.164 | 106  | 10428    | 1.04 | ug/L   | 97       |
| 55) Styrene                   | 12.182 | 104  | 17513    | 1.04 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 6718     | 1.45 | ug/L # | 91       |
| 59) Bromoform                 | 12.347 | 173  | 3364     | 1.12 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 28293    | 1.02 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 4591     | 1.32 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 22751    | 0.98 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 23411    | 1.01 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 14222    | 1.07 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 14831    | 1.12 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 13947    | 1.17 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.621 | 75   | 1651     | 2.19 | ug/L # | 8        |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 11701    | 1.15 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 10104    | 1.20 | ug/L   | 97       |
| 71) Naphthalene               | 15.365 | 128  | 18009    | 1.21 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 8766     | 1.18 | ug/L   | 96       |

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

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Response via : Initial Calibration

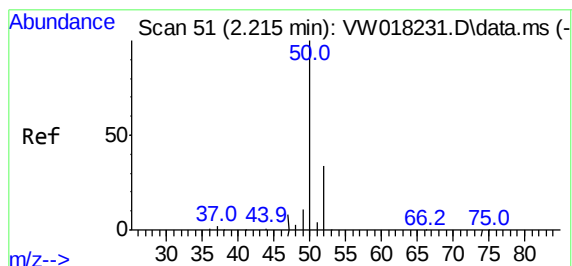
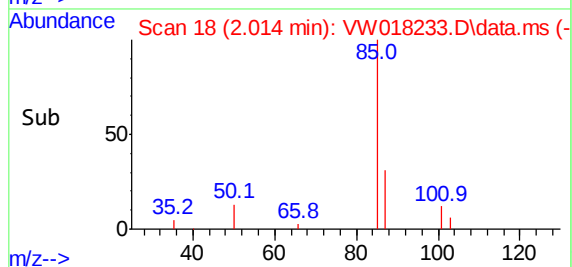
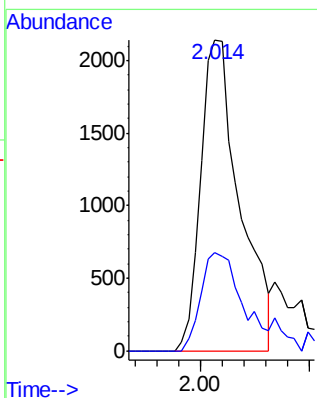
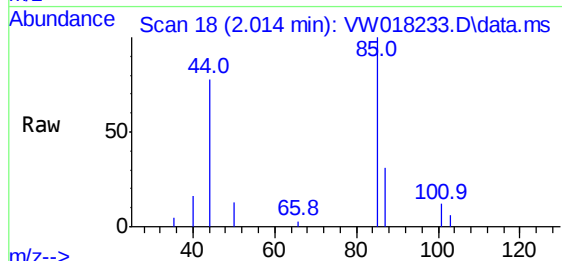




#2  
Dichlorodifluoromethane  
Concen: 1.01 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

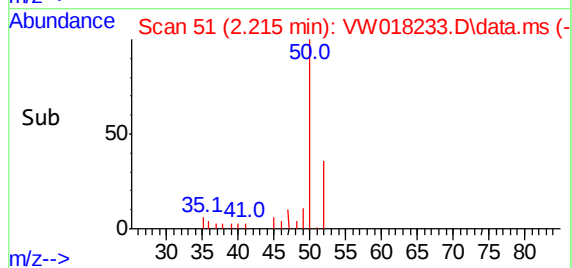
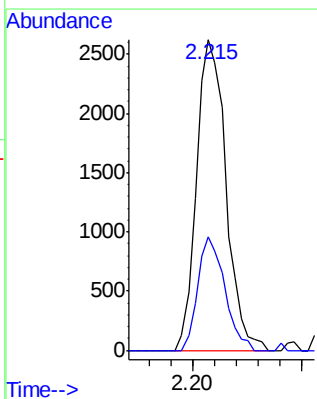
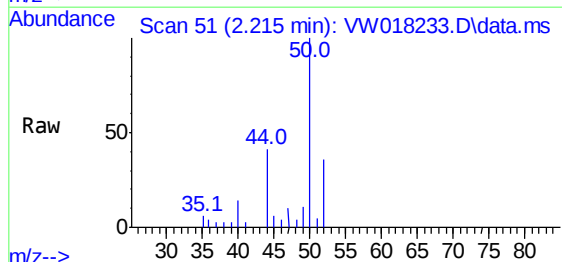
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

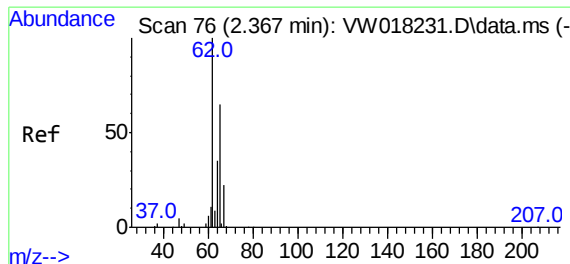
Tgt Ion: 85 Resp: 5316  
Ion Ratio Lower Upper  
85 100  
87 33.3 23.3 34.9



#3  
Chloromethane  
Concen: 1.21 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 50 Resp: 4906  
Ion Ratio Lower Upper  
50 100  
52 36.5 22.5 41.9

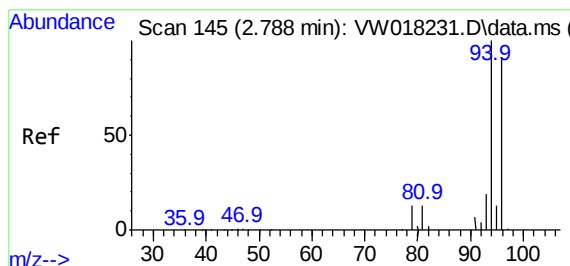
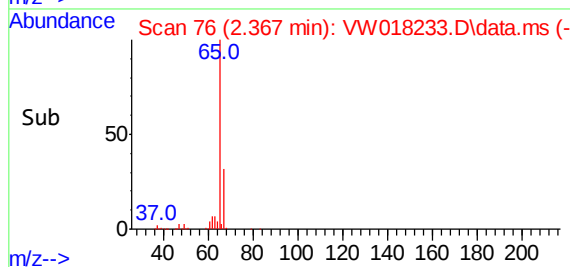
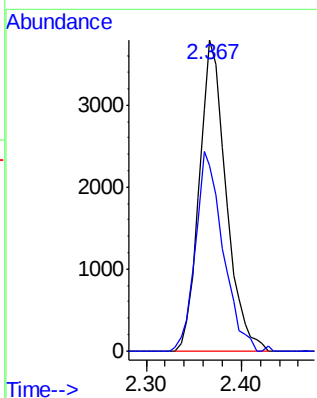
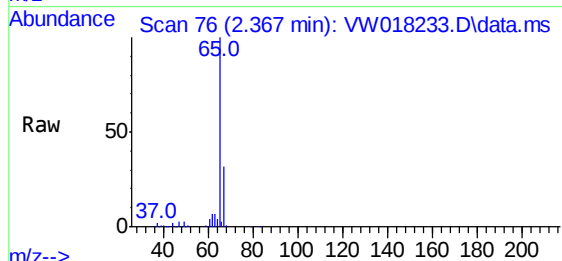




#5  
 Vinyl chloride  
 Concen: 1.26 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

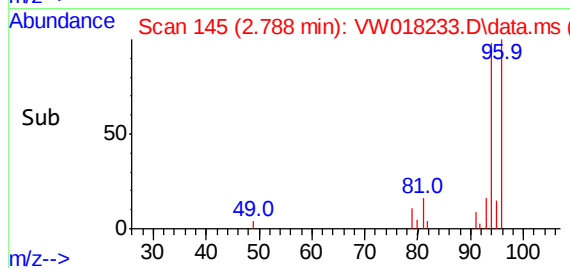
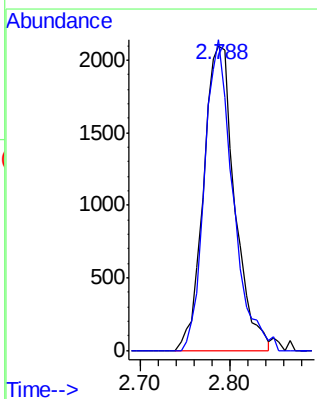
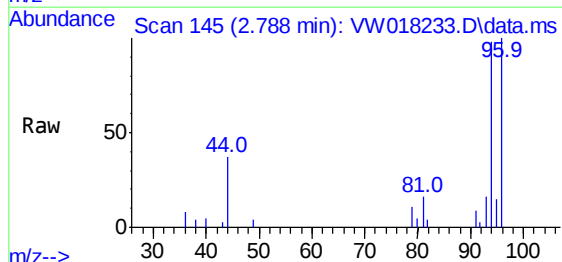
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

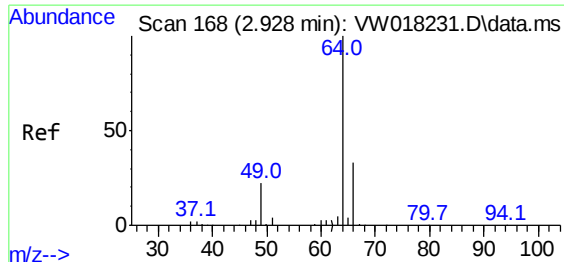
Tgt Ion: 62 Resp: 7311  
 Ion Ratio Lower Upper  
 62 100  
 64 59.8 24.2 45.0#



#6  
 Bromomethane  
 Concen: 1.26 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. -0.000 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

Tgt Ion: 94 Resp: 5084  
 Ion Ratio Lower Upper  
 94 100  
 96 102.1 65.3 121.3

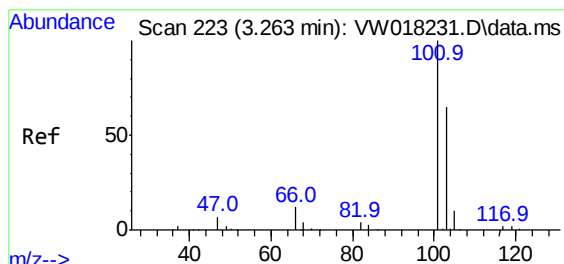
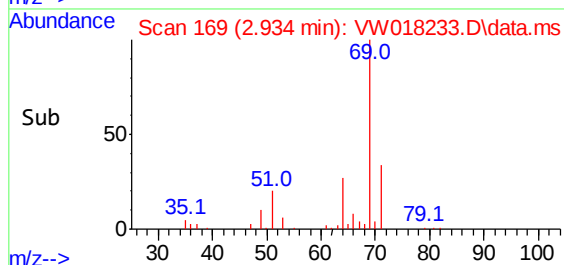
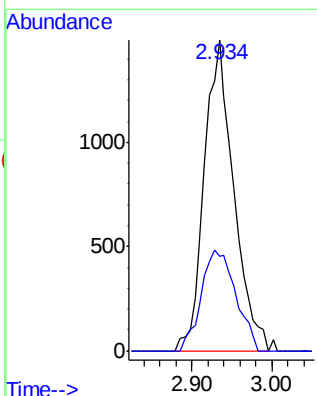
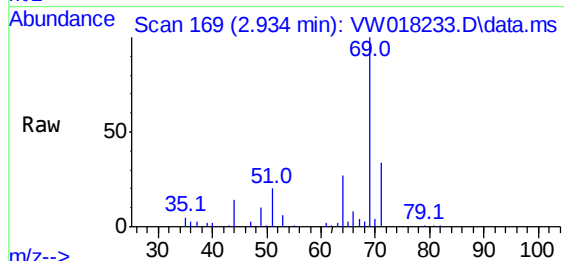




#8  
Chloroethane  
Concen: 1.17 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

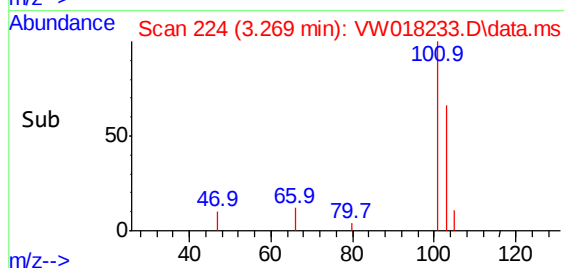
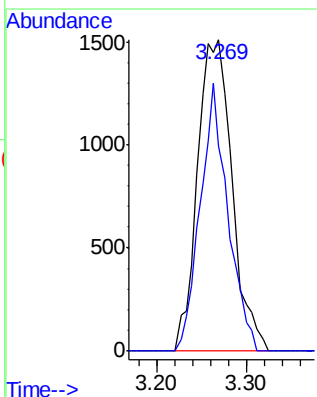
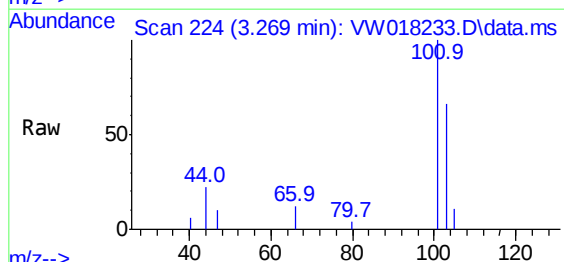
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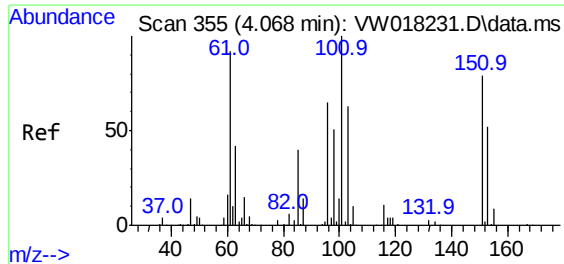
Tgt Ion: 64 Resp: 3803  
Ion Ratio Lower Upper  
64 100  
66 30.4 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 0.98 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:101 Resp: 4053  
Ion Ratio Lower Upper  
101 100  
103 68.7 51.0 76.4

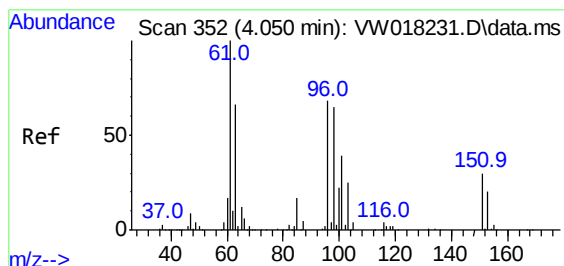
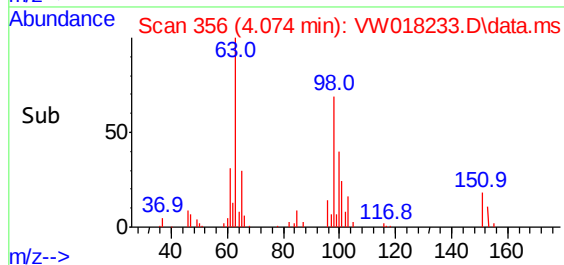
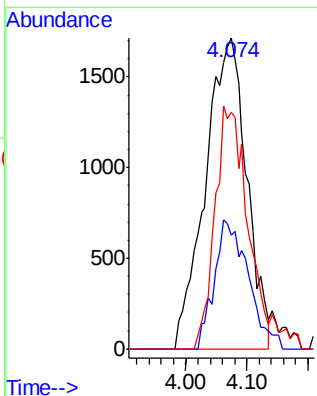
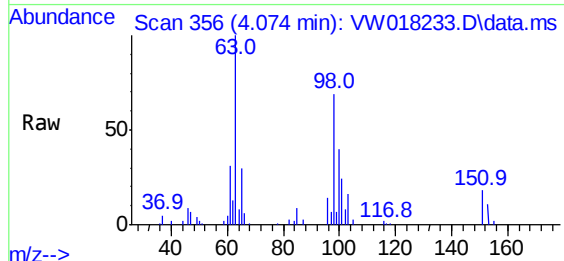




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.42 ug/L  
 RT: 4.074 min Scan# 356  
 Delta R.T. 0.006 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

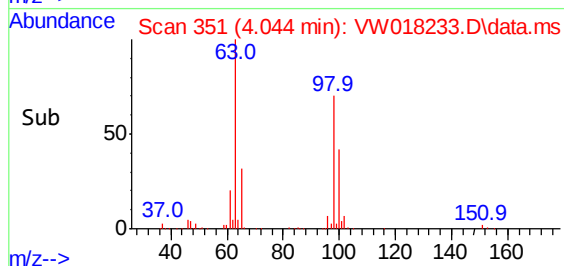
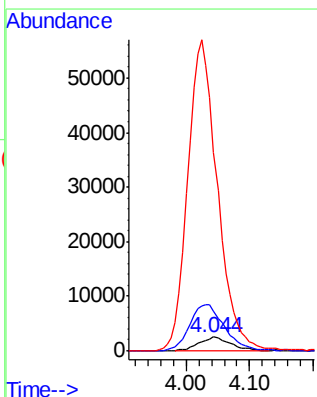
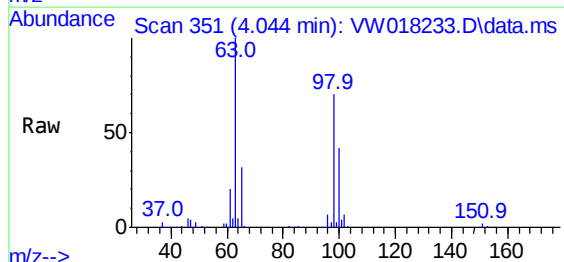
Instrument :  
 MSVOA\_W  
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 MDL-SOIL-QT2-2021-04

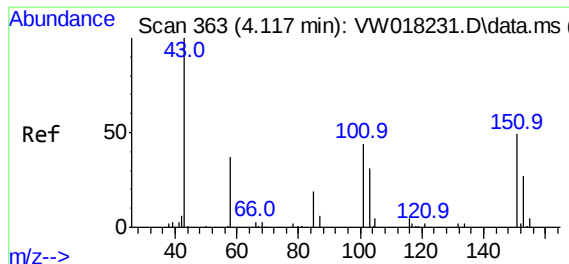
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 Ion Ratio Lower Upper  
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 151 26.0 56.6 85.0#



#12  
 1,1-Dichloroethene  
 Concen: 1.44 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.006 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

Tgt Ion: 96 Resp: 7909  
 Ion Ratio Lower Upper  
 96 100  
 61 297.6 118.1 219.3#  
 63 1507.9 83.7 155.5#

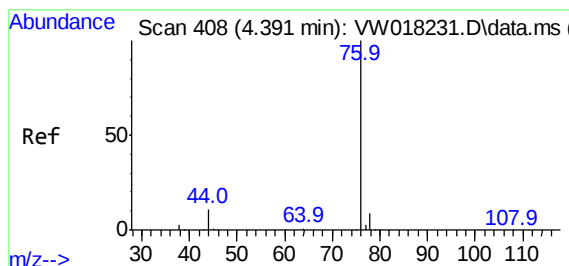
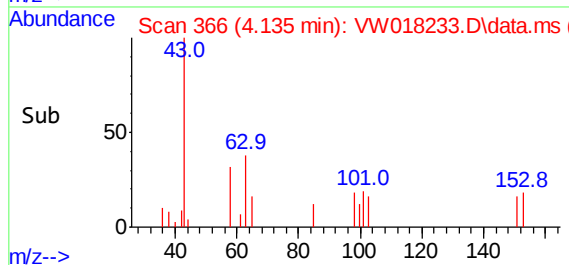
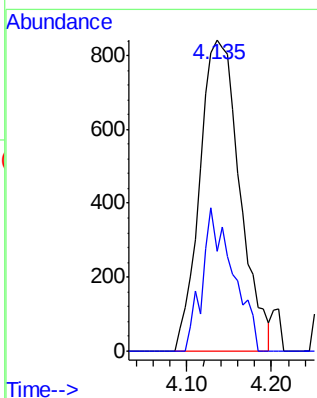
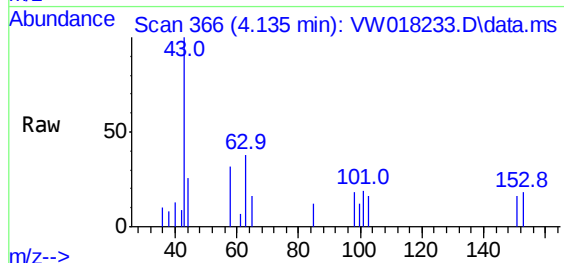




#13  
Acetone  
Concen: 3.77 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.018 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

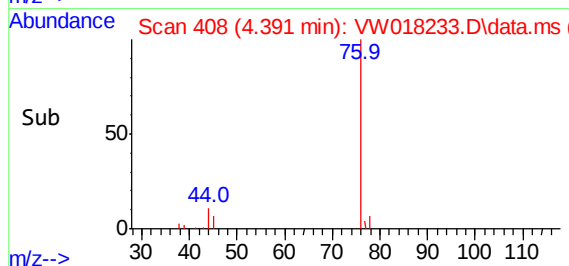
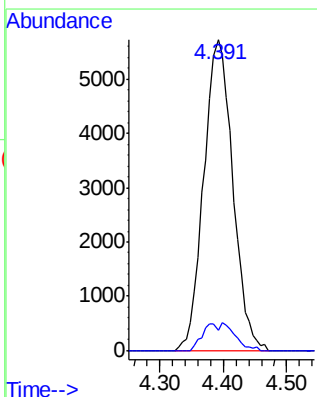
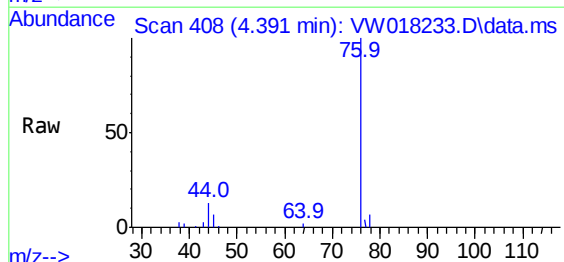
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

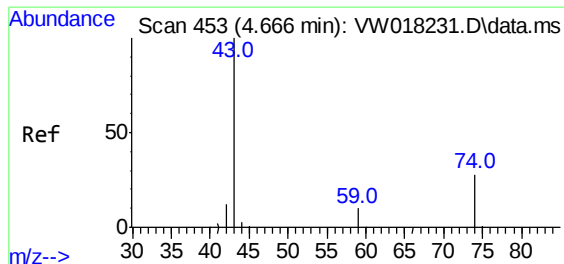
Tgt Ion: 43 Resp: 2707  
Ion Ratio Lower Upper  
43 100  
58 8.6 0.0 53.8



#14  
Carbon disulfide  
Concen: 1.05 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 76 Resp: 17633  
Ion Ratio Lower Upper  
76 100  
78 6.5 7.4 11.0#

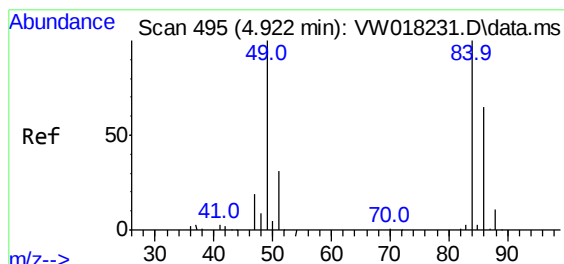
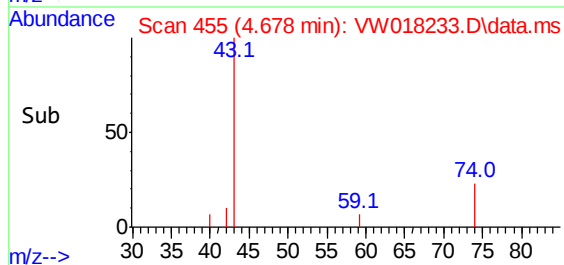
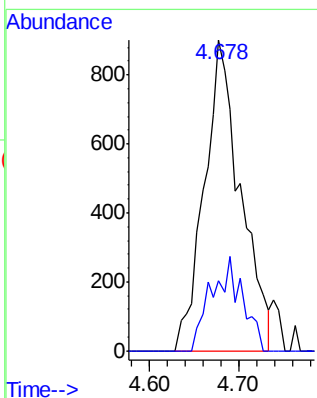
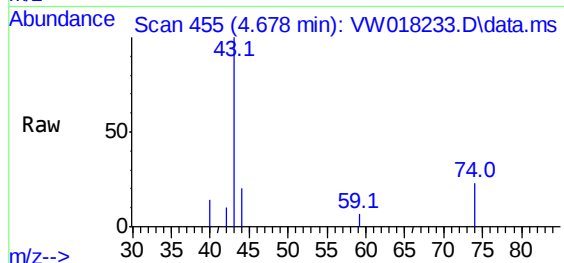




#15  
Methyl Acetate  
Concen: 1.35 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.012 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

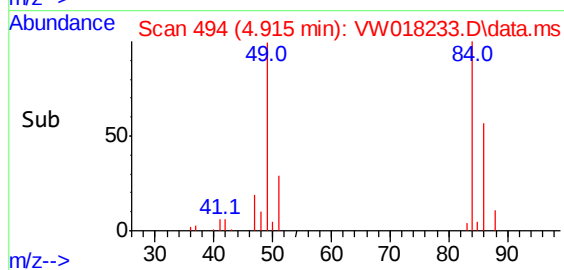
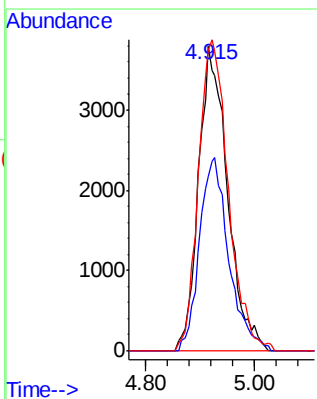
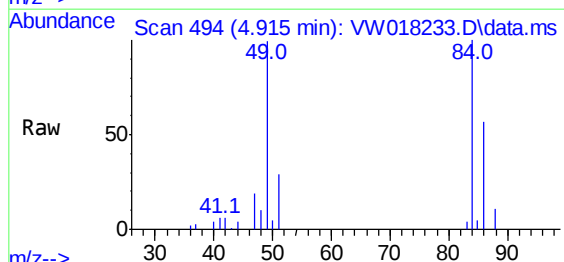
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

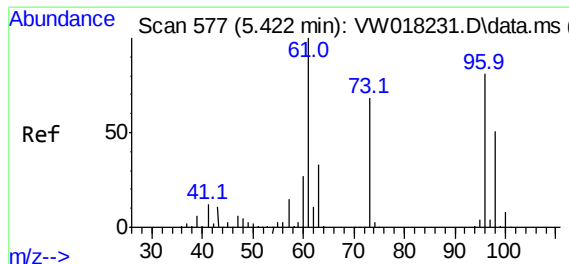
Tgt Ion: 43 Resp: 2528  
Ion Ratio Lower Upper  
43 100  
74 10.4 20.0 30.0#



#16  
Methylene chloride  
Concen: 2.32 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 84 Resp: 13938  
Ion Ratio Lower Upper  
84 100  
86 56.9 45.3 84.1  
49 98.6 86.6 160.8



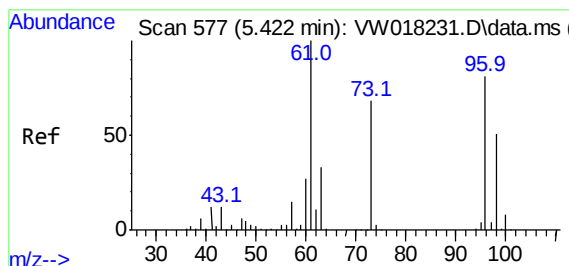
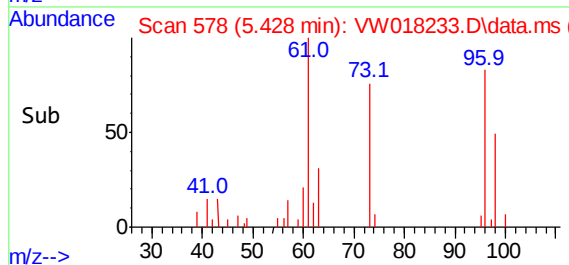
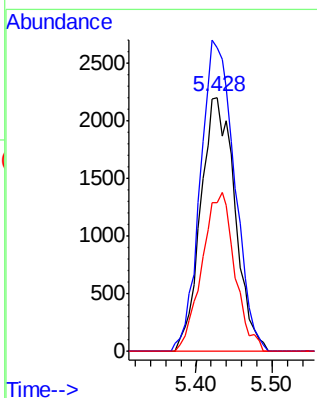
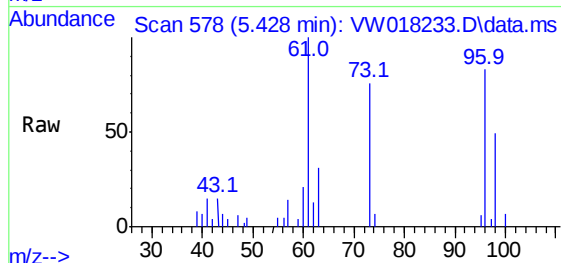


#17  
trans-1,2-Dichloroethene  
Concen: 1.17 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

Tgt Ion: 96 Resp: 6846

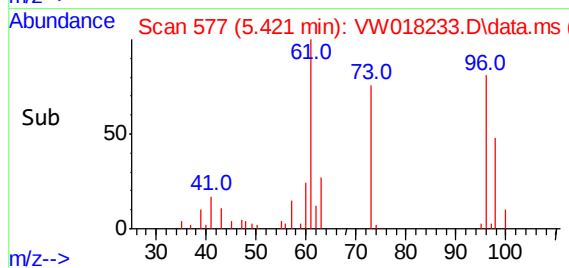
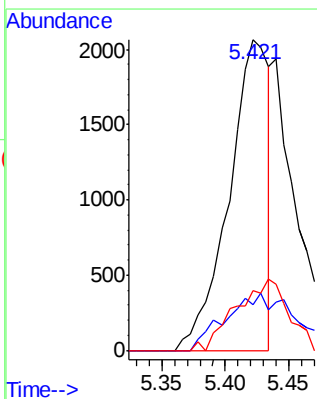
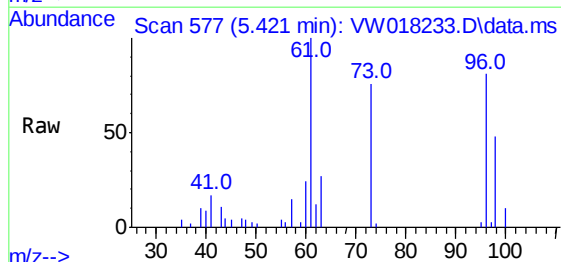
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 119.8 | 98.3  | 182.7 |
| 98  | 58.7  | 46.1  | 85.7  |

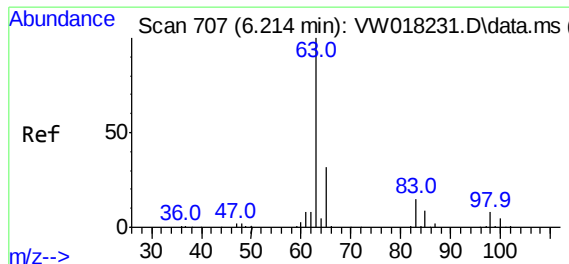


#18  
Methyl tert-butyl Ether  
Concen: 0.77 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 73 Resp: 4514

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 19.2  | 17.7  | 26.5  |
| 57  | 22.4  | 17.0  | 25.4  |

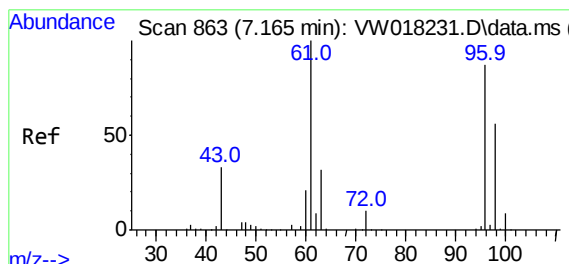
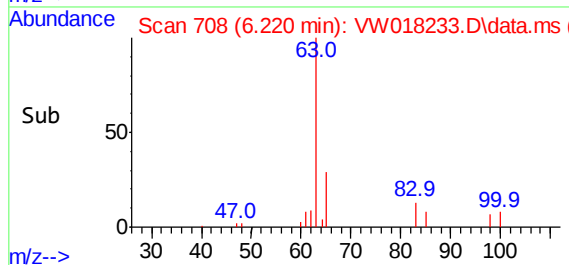
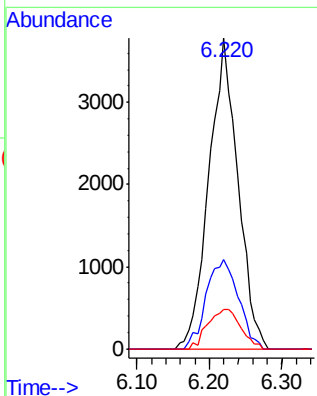
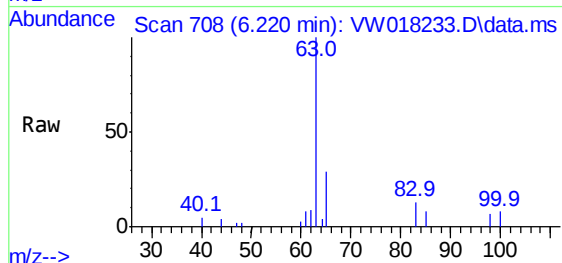




#19  
 1,1-Dichloroethane  
 Concen: 1.14 ug/L  
 RT: 6.220 min Scan# 708  
 Delta R.T. 0.006 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

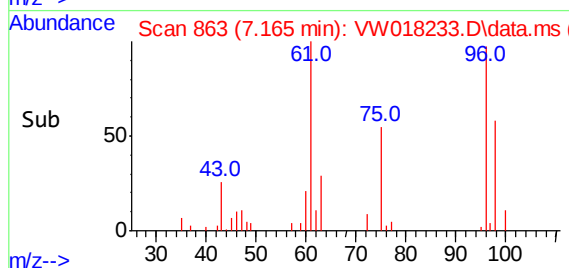
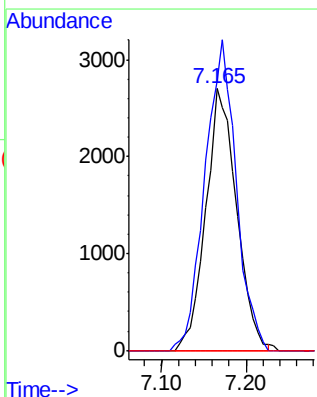
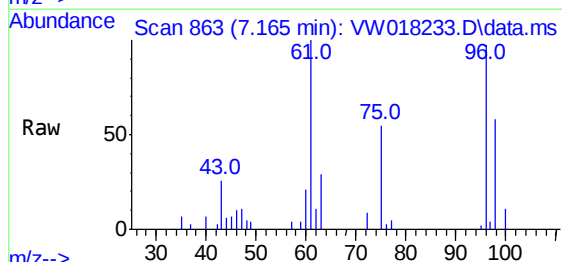
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

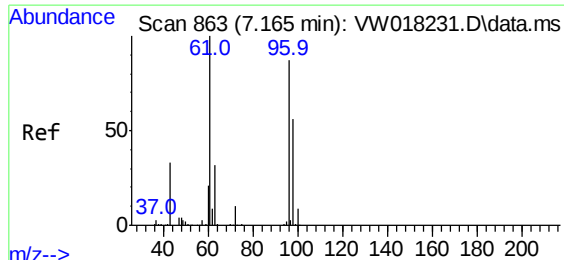
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 10432 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 28.7  | 22.9  | 42.5  |
| 83       | 12.6  | 10.2  | 19.0  |



#20  
 cis-1,2-Dichloroethene  
 Concen: 1.10 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. -0.000 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6679  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 103.0 | 88.5  | 164.3 |
| 68       | 0.0   | 0.0   | 0.0   |

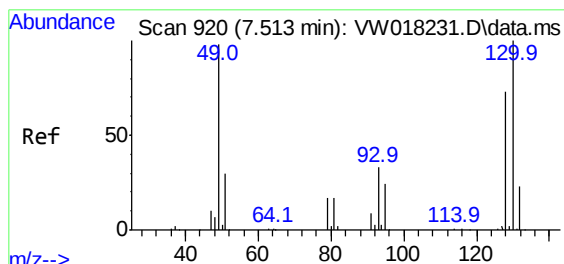
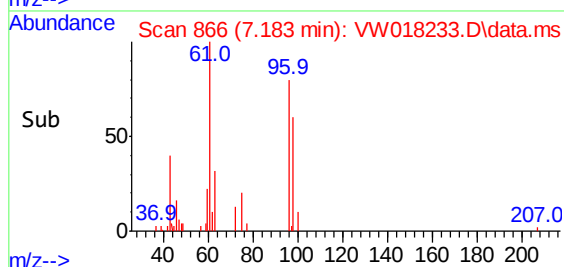
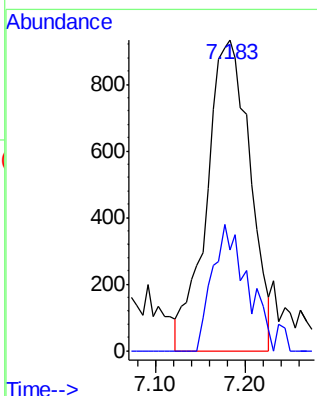
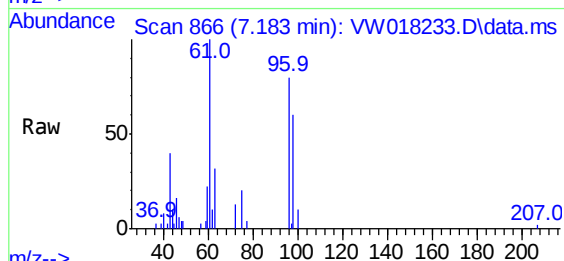




#22  
2-Butanone  
Concen: 2.74 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.018 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

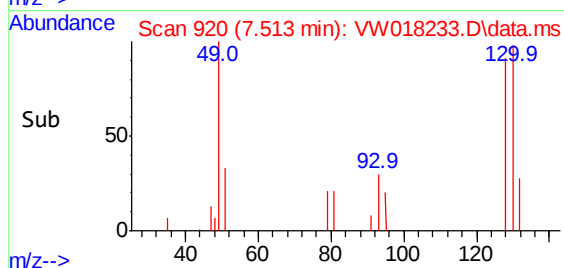
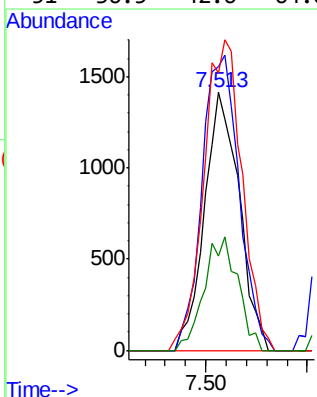
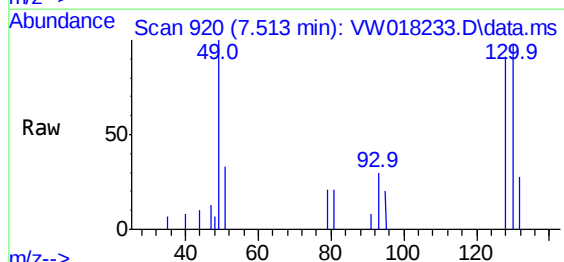
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

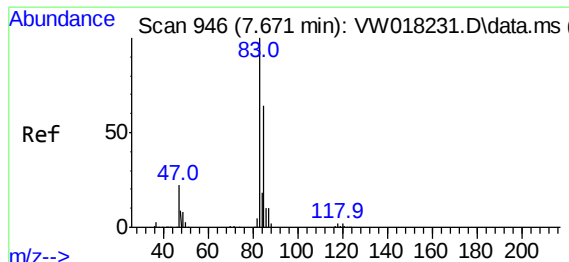
Tgt Ion: 43 Resp: 3128  
Ion Ratio Lower Upper  
43 100  
72 28.2 14.9 44.7



#23  
Bromochloromethane  
Concen: 1.16 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 128 Resp: 3373  
Ion Ratio Lower Upper  
128 100  
49 110.0 116.3 215.9#  
130 107.7 82.4 153.0  
51 36.5 42.6 64.0#

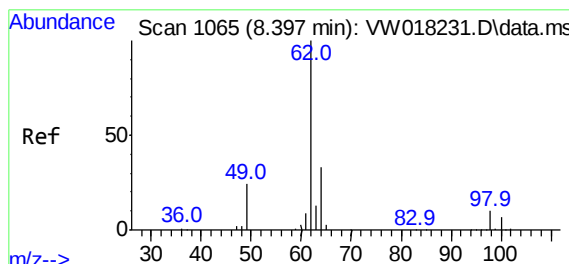
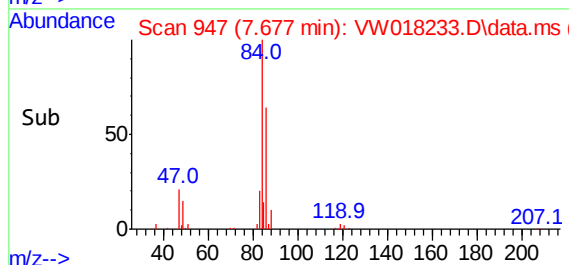
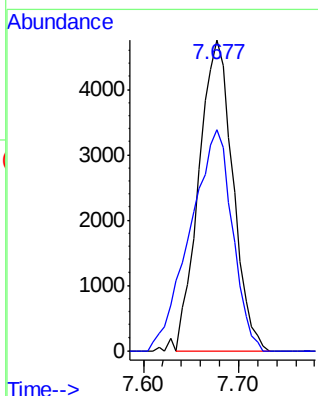
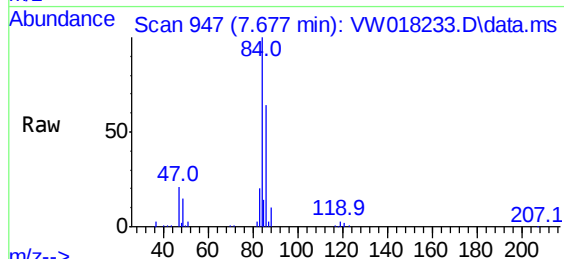




#25  
Chloroform  
Concen: 1.17 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

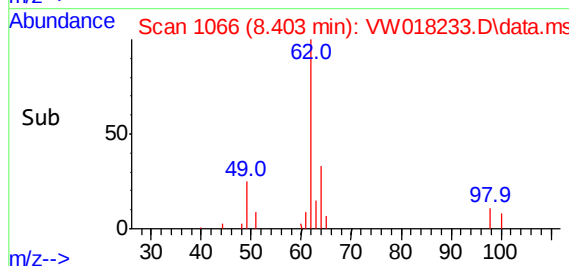
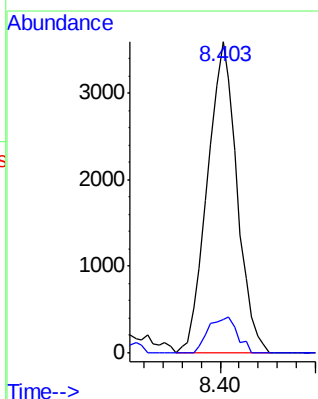
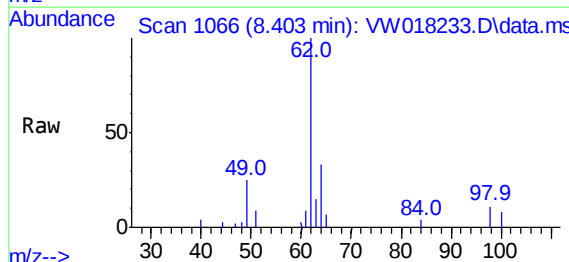
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

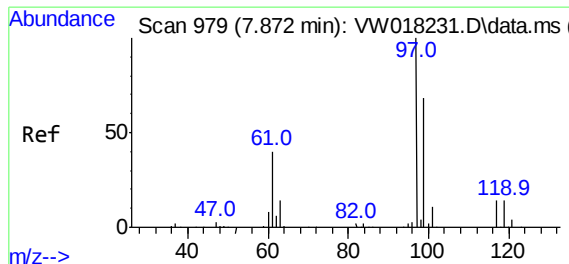
Tgt Ion: 83 Resp: 11673  
Ion Ratio Lower Upper  
83 100  
85 71.3 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 1.27 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 62 Resp: 7658  
Ion Ratio Lower Upper  
62 100  
98 10.6 6.9 10.3#

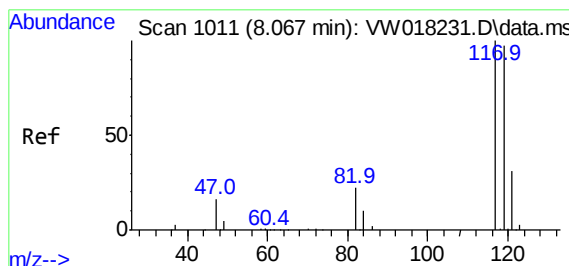
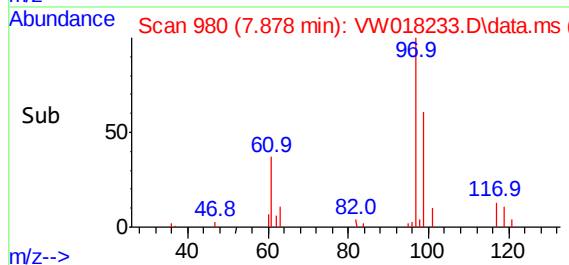
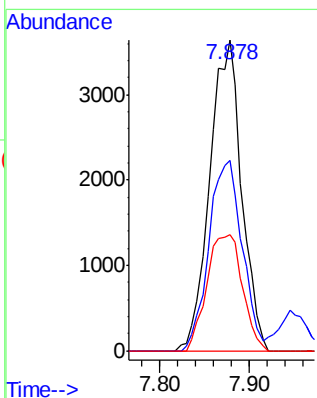
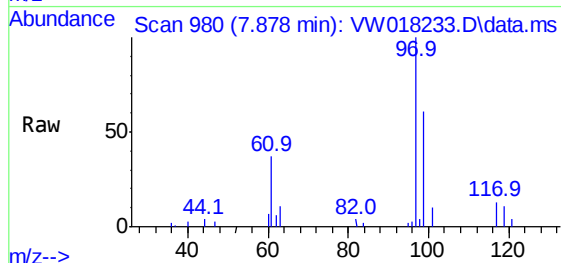




#30  
1,1,1-Trichloroethane  
Concen: 1.09 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

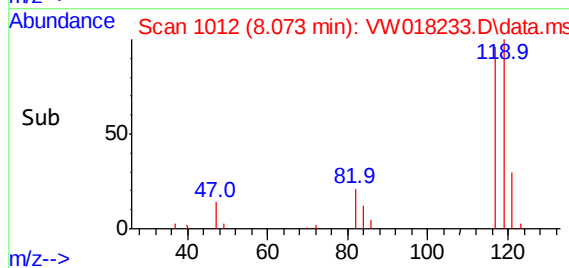
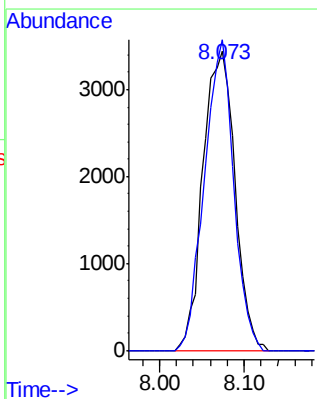
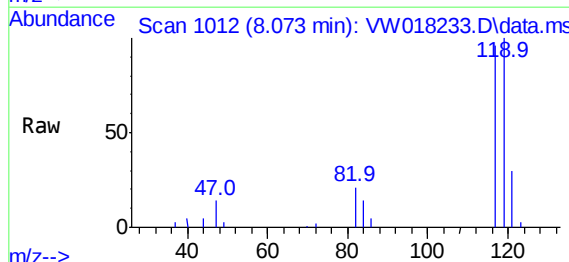
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

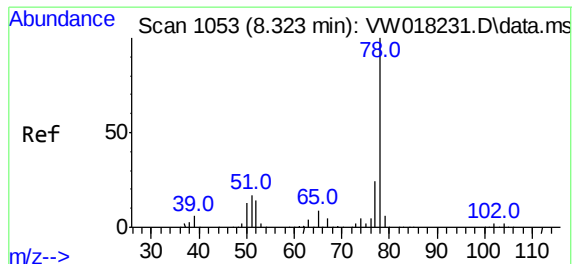
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9003  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.9  | 51.4  | 77.2  |
| 61       | 41.7  | 37.8  | 56.6  |



#31  
Carbon tetrachloride  
Concen: 1.10 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 8812  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.7  | 76.5  | 114.7 |

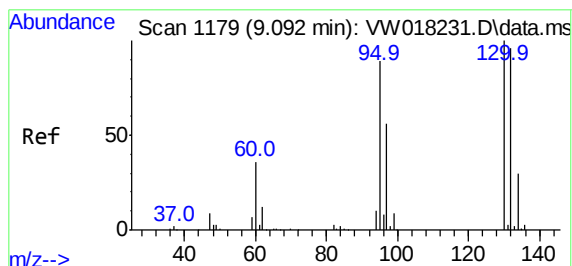
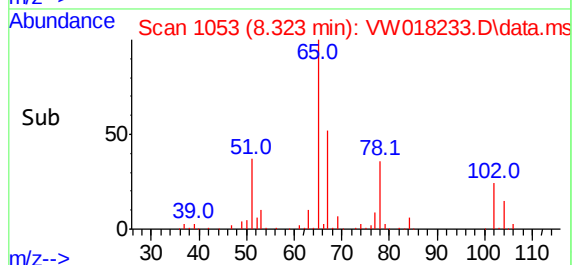
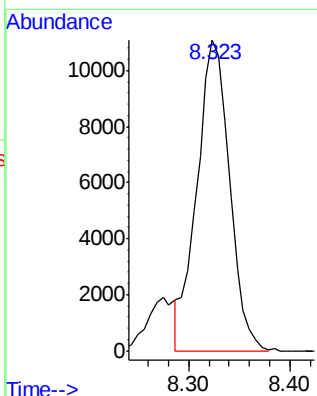
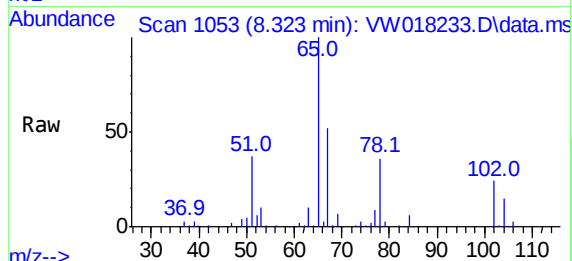




#33  
Benzene  
Concen: 1.12 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

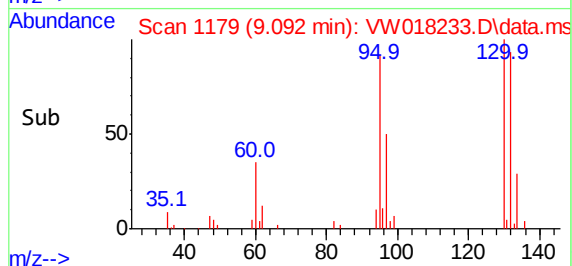
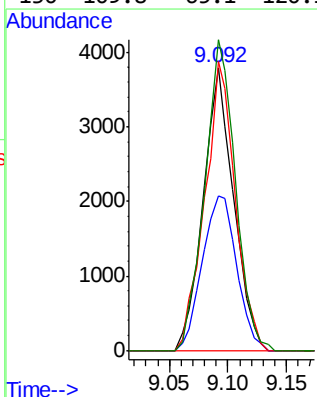
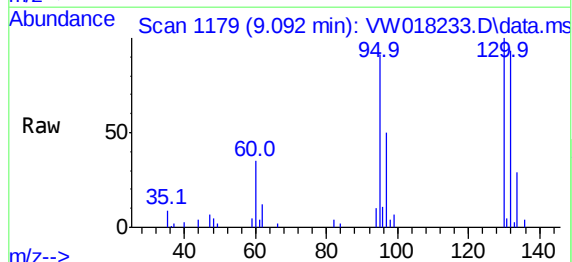
Tgt Ion: 78 Resp: 24649

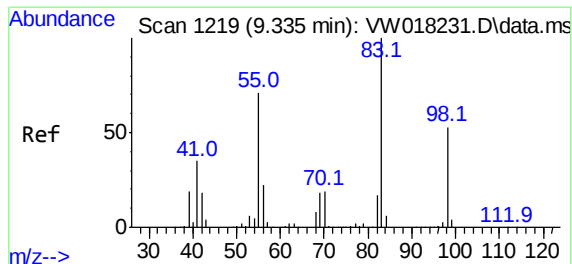


#34  
Trichloroethene  
Concen: 1.12 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 95 Resp: 6851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 54.5  | 47.3  | 87.8  |
| 132 | 102.2 | 71.0  | 131.8 |
| 130 | 109.8 | 65.1  | 120.9 |

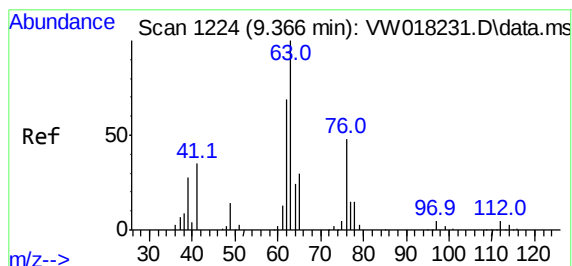
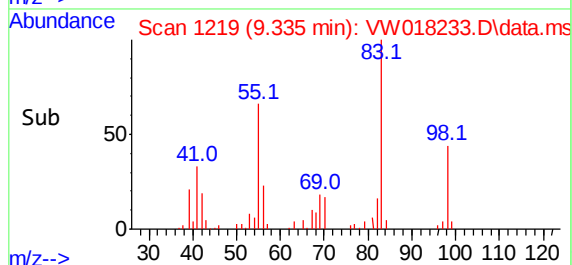
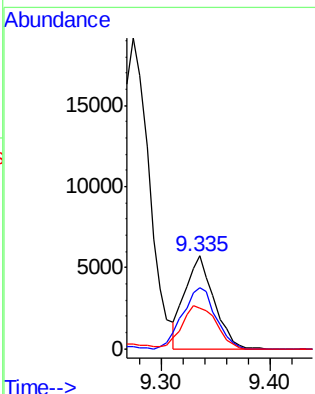
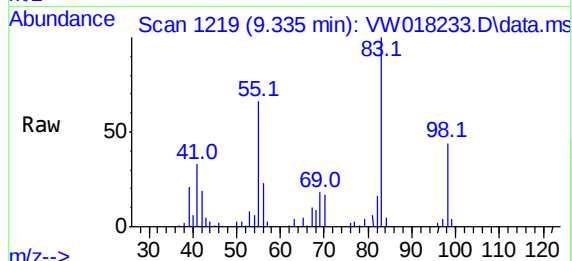




#35  
Methylcyclohexane  
Concen: 1.04 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

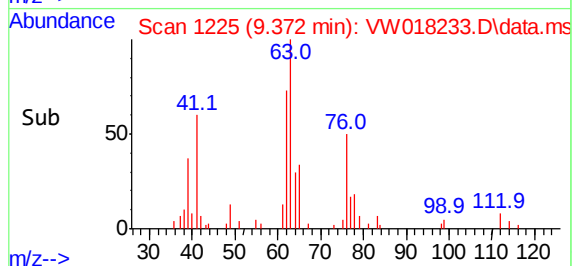
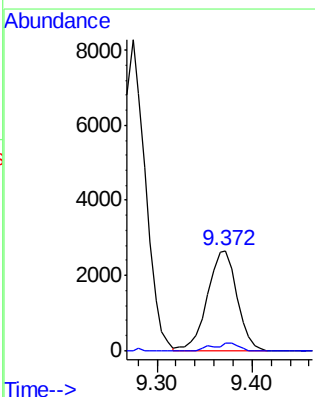
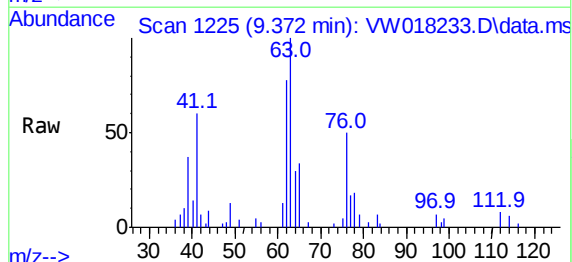
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

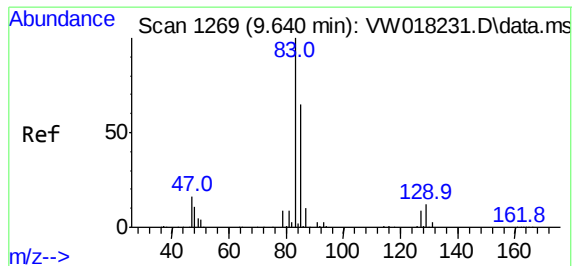
Tgt Ion: 83 Resp: 10512  
Ion Ratio Lower Upper  
83 100  
55 75.2 58.9 88.3  
98 54.8 40.1 60.1



#37  
1,2-Dichloropropane  
Concen: 1.12 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 63 Resp: 5679  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.9 5.9

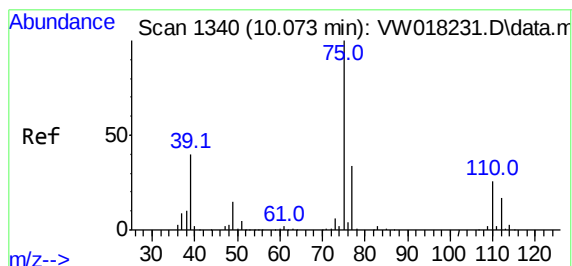
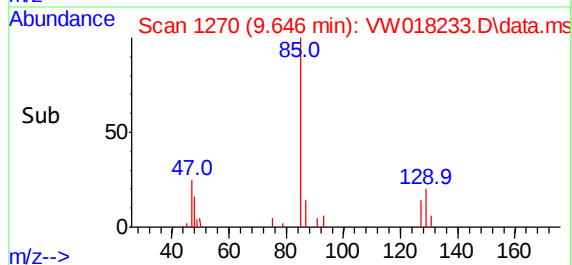
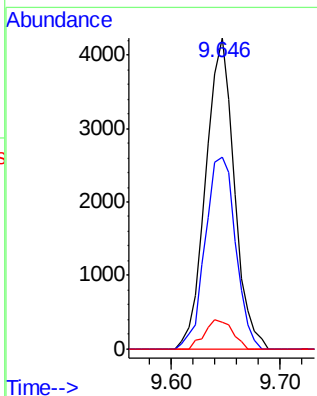
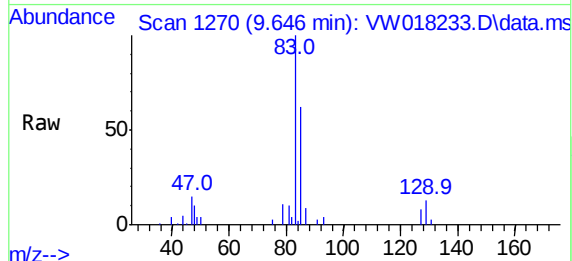




#38  
Bromodichloromethane  
Concen: 1.08 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

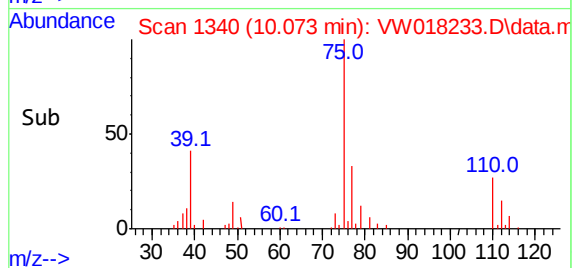
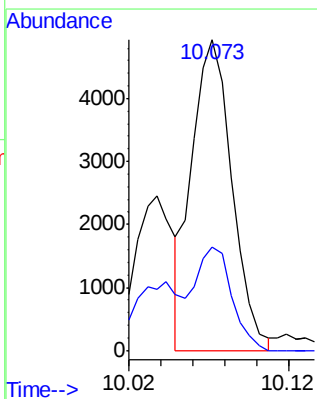
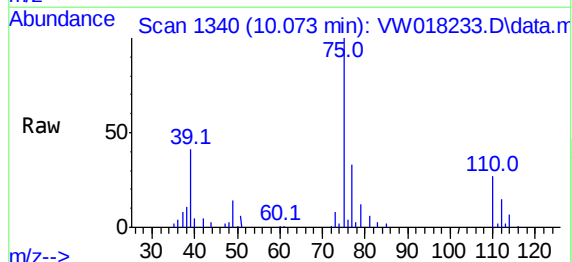
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

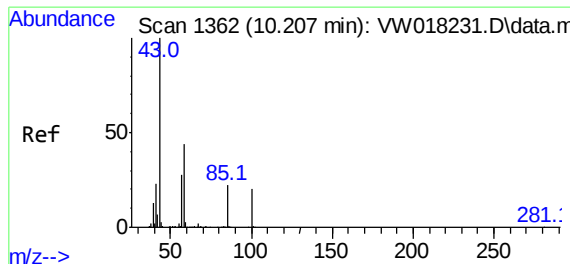
Tgt Ion: 83 Resp: 7658  
Ion Ratio Lower Upper  
83 100  
85 61.7 42.3 78.5  
127 8.4 6.6 9.8



#39  
cis-1,3-Dichloropropene  
Concen: 1.11 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 75 Resp: 9015  
Ion Ratio Lower Upper  
75 100  
77 33.2 22.6 42.0

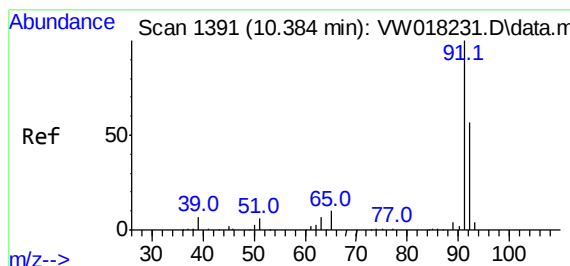
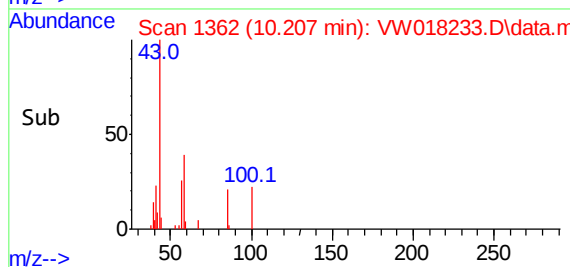
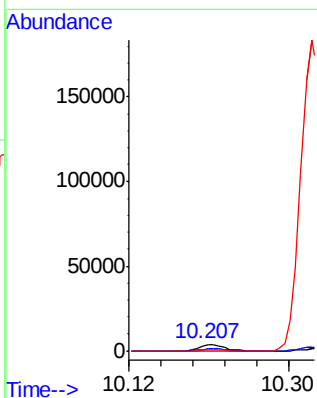
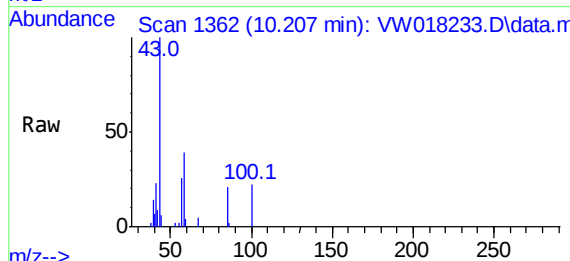




#40  
4-Methyl-2-pentanone  
Concen: 2.63 ug/L  
RT: 10.207 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

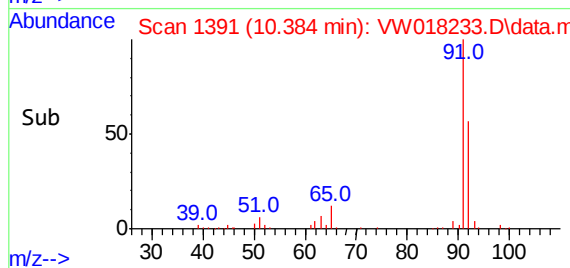
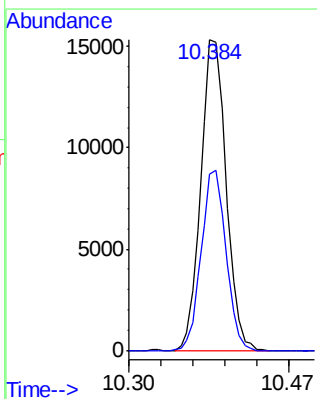
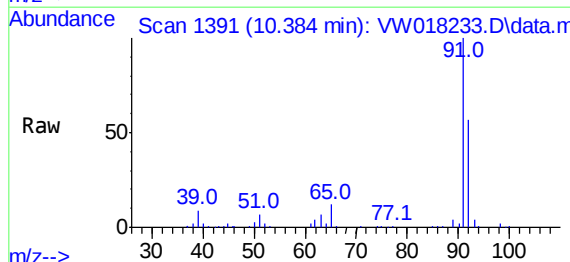
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

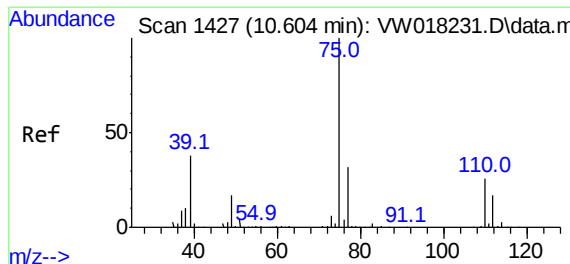
Tgt Ion: 43 Resp: 6773  
Ion Ratio Lower Upper  
43 100  
58 39.2 31.0 46.4  
100 19.0 13.0 19.6



#42  
Toluene  
Concen: 1.16 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 91 Resp: 27987  
Ion Ratio Lower Upper  
91 100  
92 56.7 39.5 73.3



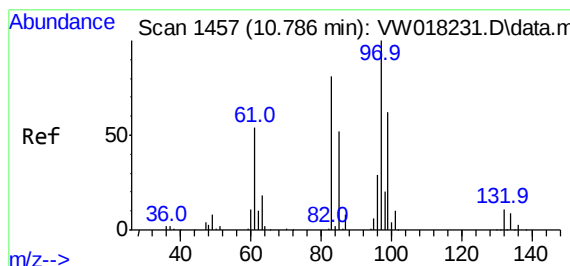
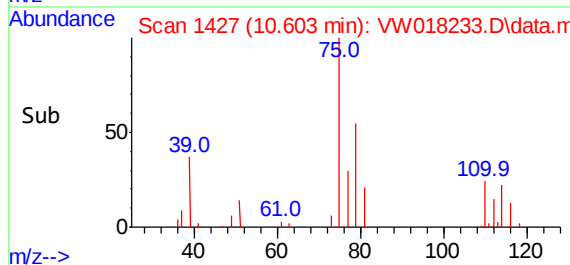
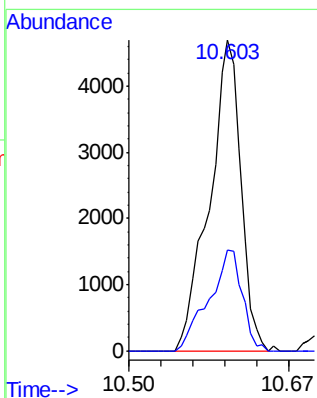
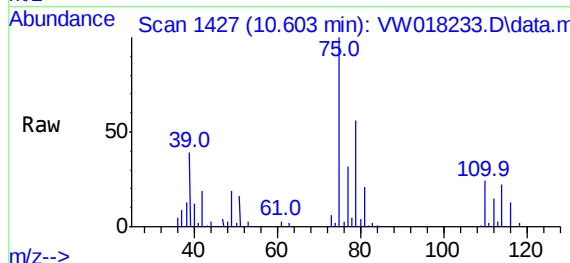


#44

trans-1,3-Dichloropropene  
Concen: 1.53 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

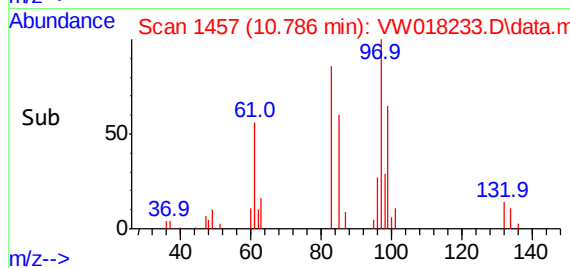
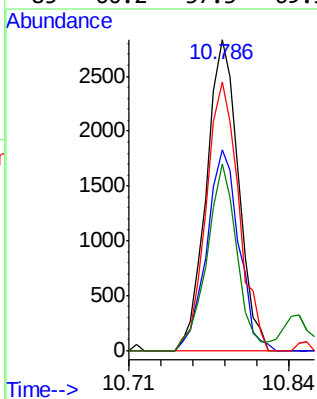
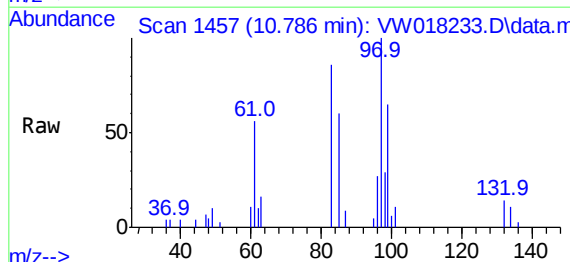
Tgt Ion: 75 Resp: 10683  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.1 39.1

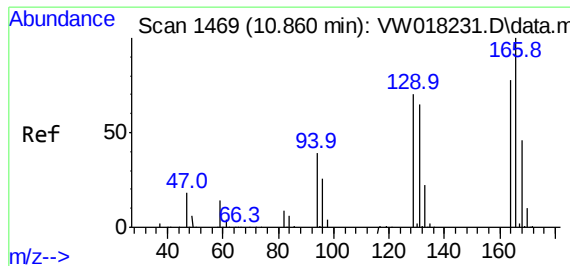


#45

1,1,2-Trichloroethane  
Concen: 1.16 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 97 Resp: 4831  
Ion Ratio Lower Upper  
97 100  
99 64.7 45.1 83.7  
83 86.5 58.1 107.9  
85 60.2 37.3 69.3



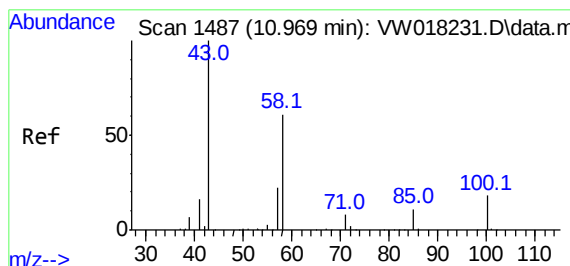
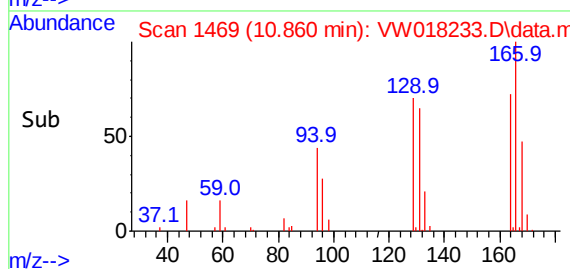
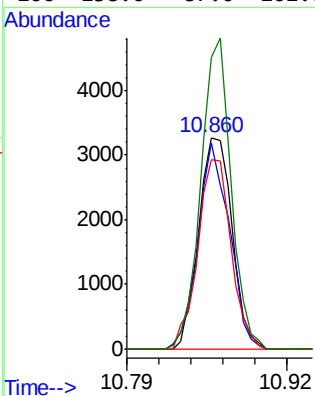
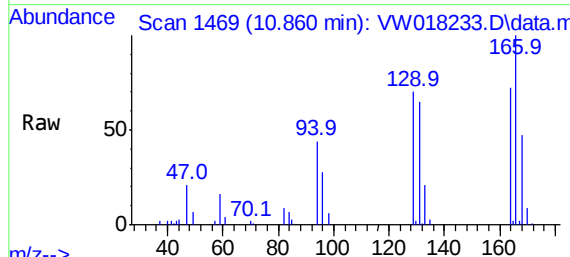


#46  
Tetrachloroethene  
Concen: 1.08 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

Tgt Ion: 164 Resp: 5852

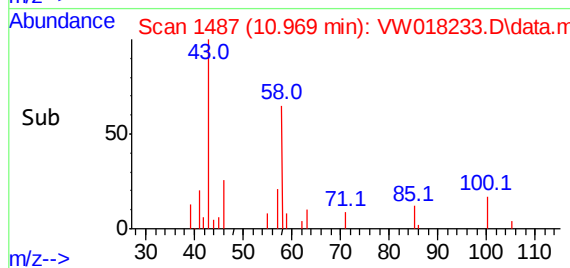
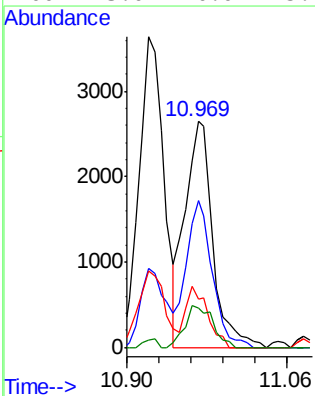
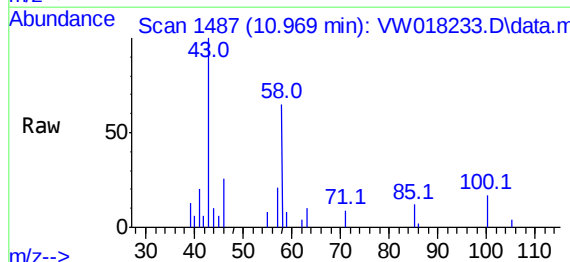
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.3  | 66.7  | 123.9 |
| 131 | 89.6  | 61.1  | 113.5 |
| 166 | 138.0 | 87.0  | 161.6 |

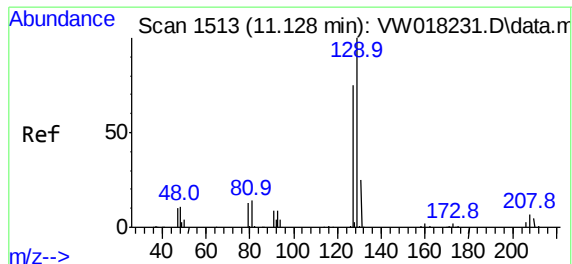


#48  
2-Hexanone  
Concen: 2.88 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 43 Resp: 5062

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.0  | 42.7  | 64.1  |
| 57  | 20.9  | 15.8  | 23.8  |
| 100 | 13.0  | 10.0  | 15.0  |

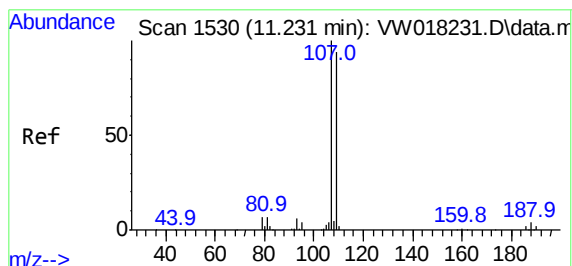
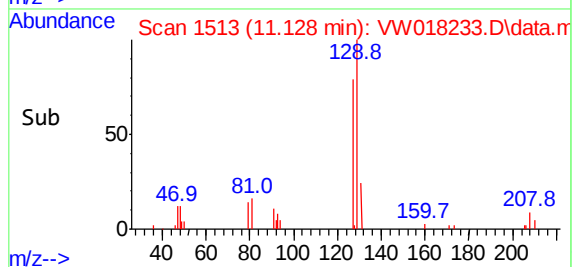
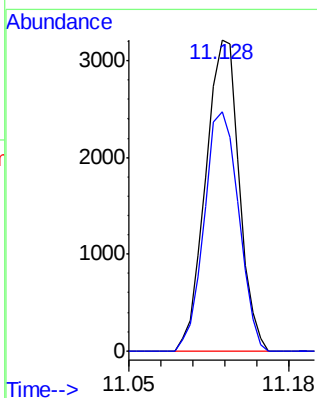
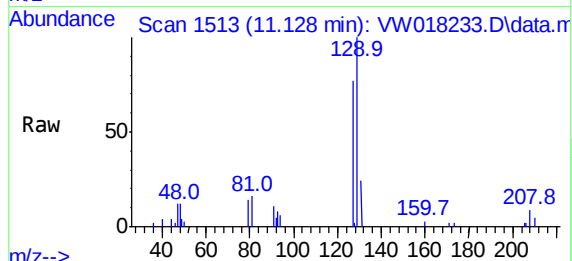




#49  
Dibromochloromethane  
Concen: 1.12 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

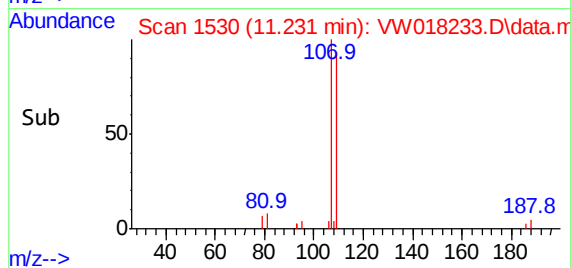
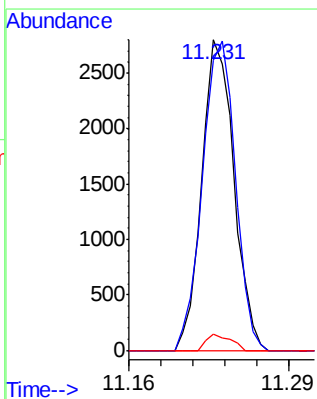
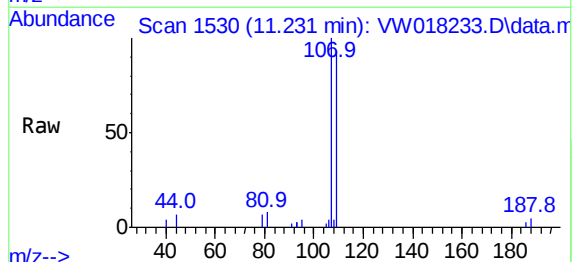
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

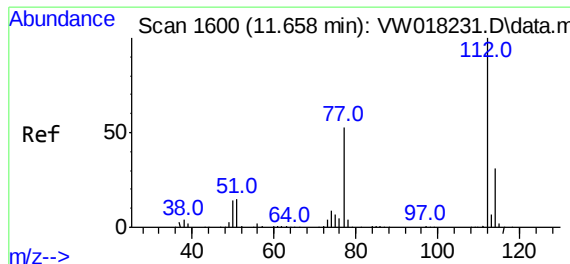
Tgt Ion:129 Resp: 5752  
Ion Ratio Lower Upper  
129 100  
127 76.9 51.7 95.9



#50  
1,2-Dibromoethane  
Concen: 1.18 ug/L  
RT: 11.231 min Scan# 1530  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:107 Resp: 4806  
Ion Ratio Lower Upper  
107 100  
109 93.3 65.4 121.4  
188 5.4 2.6 4.0#

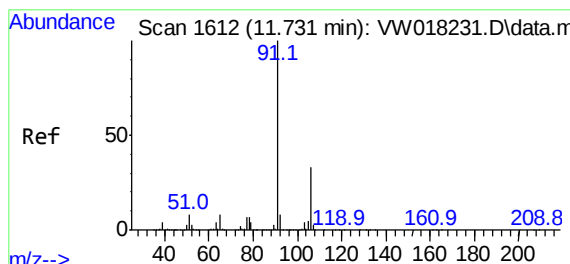
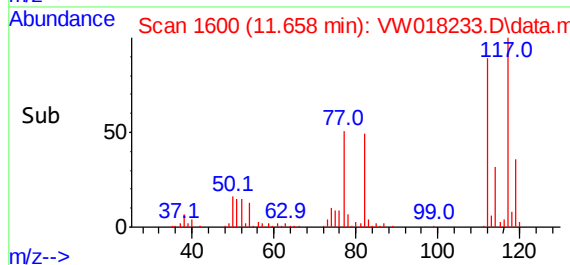
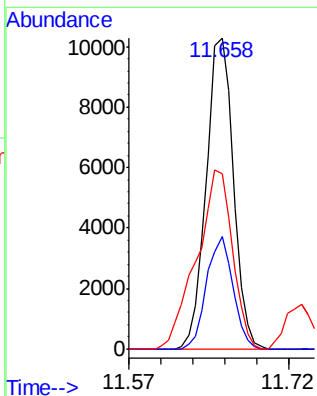
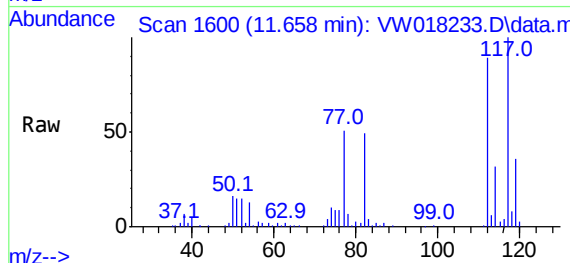




#51  
Chlorobenzene  
Concen: 1.10 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

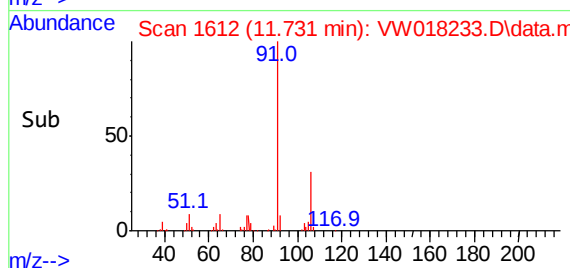
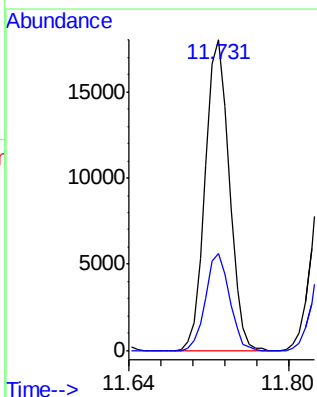
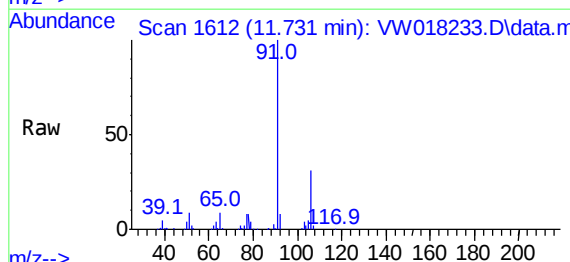
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

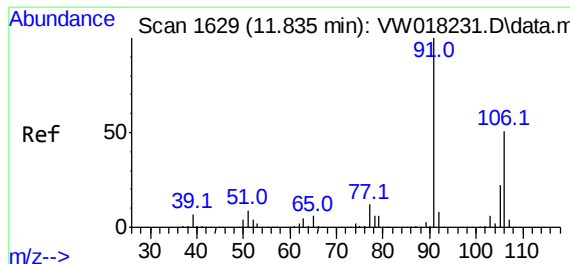
Tgt Ion: 112 Resp: 17777  
Ion Ratio Lower Upper  
112 100  
114 36.2 23.4 43.6  
77 56.5 47.6 71.4



#52  
Ethylbenzene  
Concen: 1.08 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 91 Resp: 29491  
Ion Ratio Lower Upper  
91 100  
106 31.3 22.5 41.7

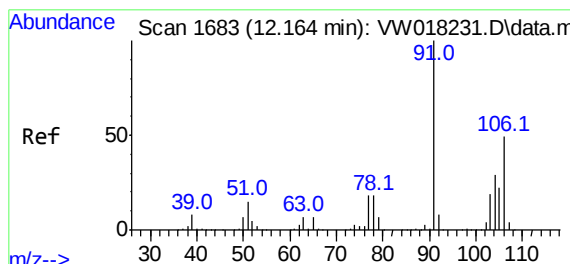
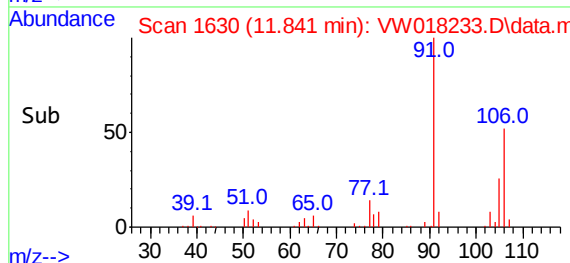
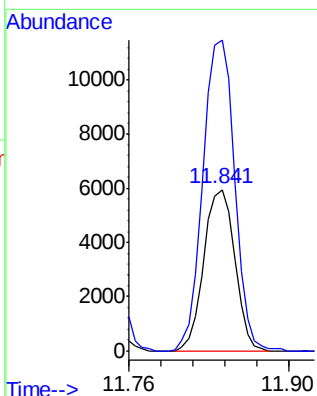
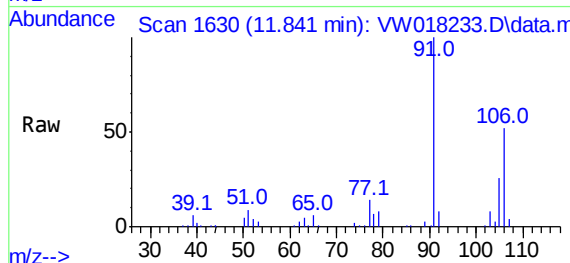




#53  
m,p-Xylene  
Concen: 1.10 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

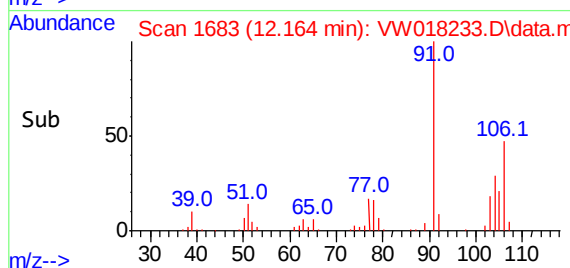
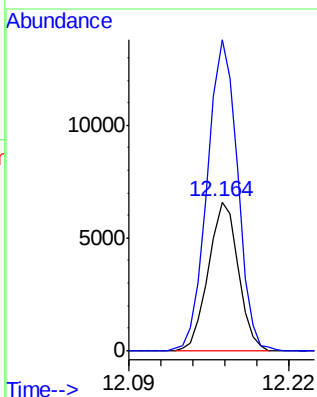
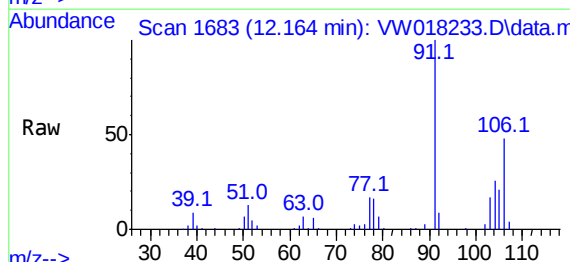
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

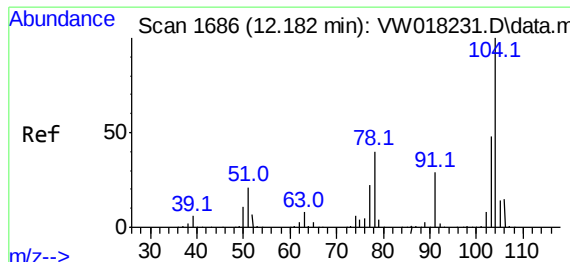
Tgt Ion:106 Resp: 11722  
Ion Ratio Lower Upper  
106 100  
91 192.6 141.3 262.3



#54  
o-Xylene  
Concen: 1.04 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:106 Resp: 10428  
Ion Ratio Lower Upper  
106 100  
91 209.7 150.0 278.6

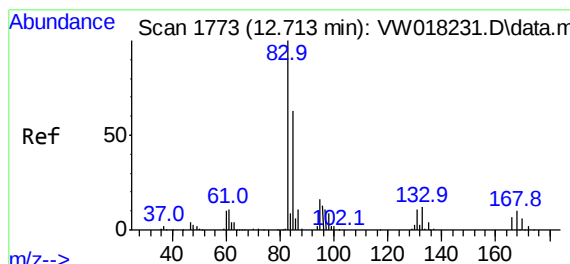
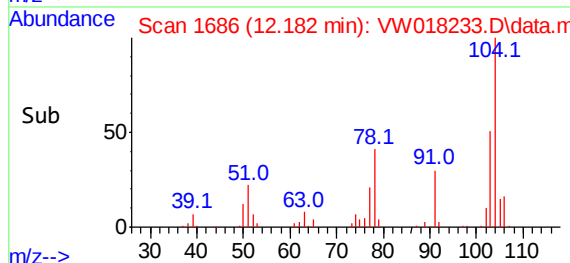
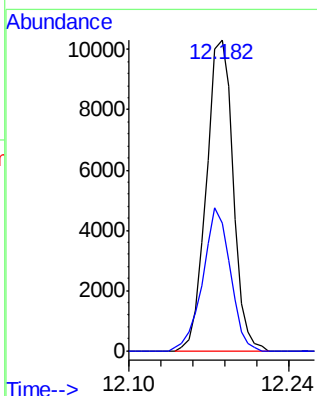
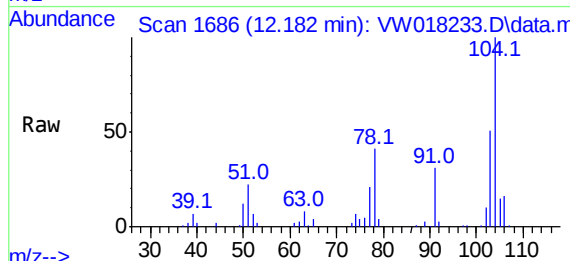




#55  
Styrene  
Concen: 1.04 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

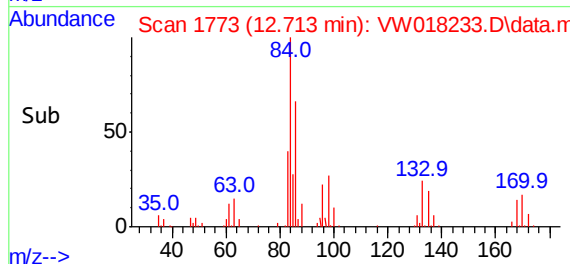
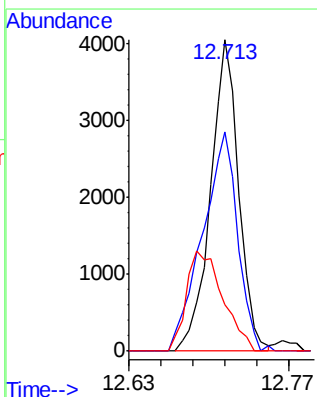
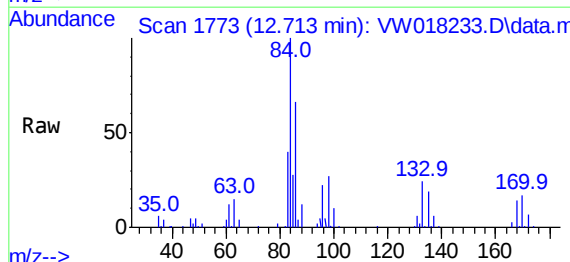
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

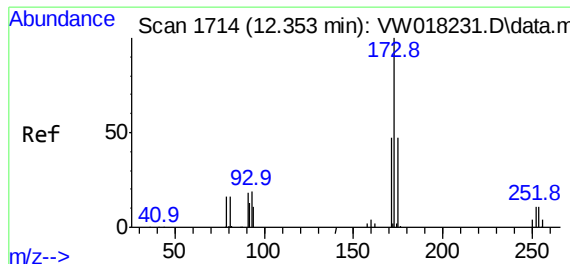
Tgt Ion:104 Resp: 17513  
Ion Ratio Lower Upper  
104 100  
78 41.2 32.5 60.3



#57  
1,1,2,2-Tetrachloroethane  
Concen: 1.45 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion: 83 Resp: 6718  
Ion Ratio Lower Upper  
83 100  
85 70.4 44.4 82.4  
131 14.7 8.2 12.4#

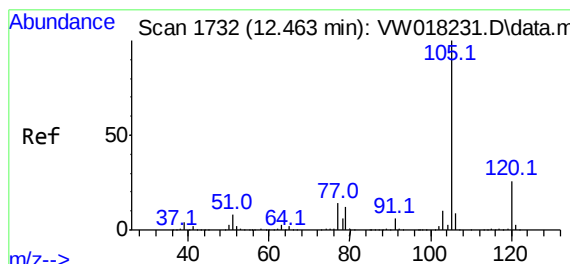
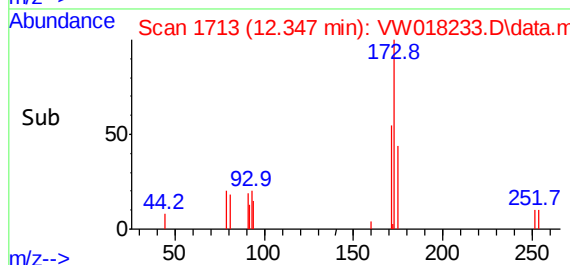
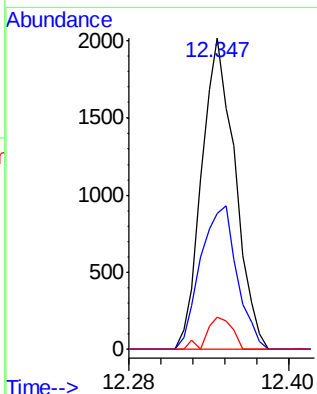
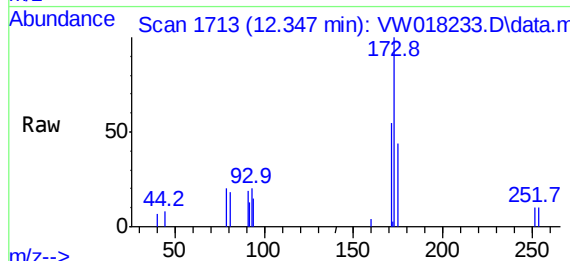




#59  
Bromoform  
Concen: 1.12 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

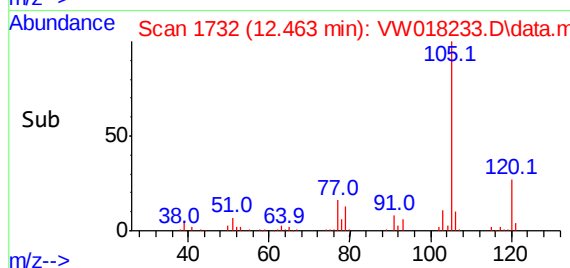
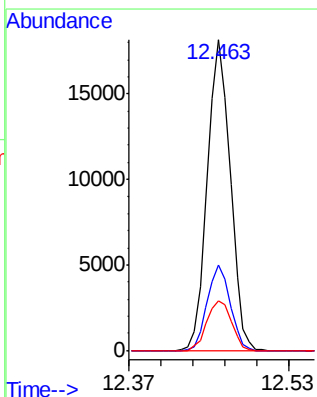
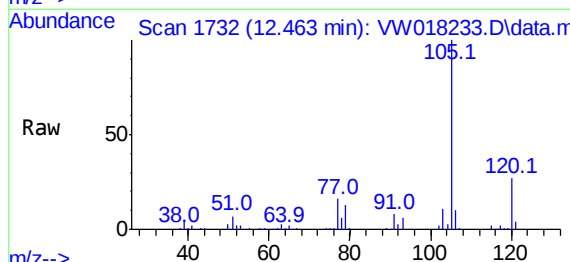
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

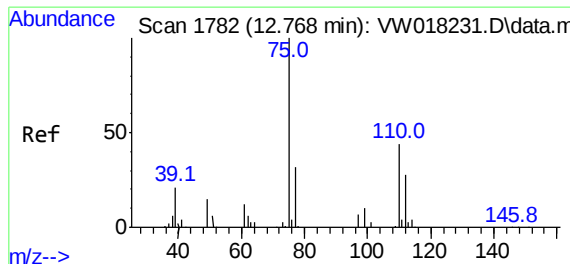
Tgt Ion:173 Resp: 3364  
Ion Ratio Lower Upper  
173 100  
175 50.4 37.5 56.3  
254 7.2 7.0 10.4



#60  
Isopropylbenzene  
Concen: 1.02 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:105 Resp: 28293  
Ion Ratio Lower Upper  
105 100  
120 27.4 21.1 31.7  
77 17.1 13.2 19.8

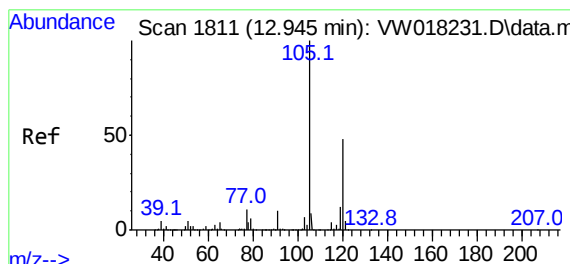
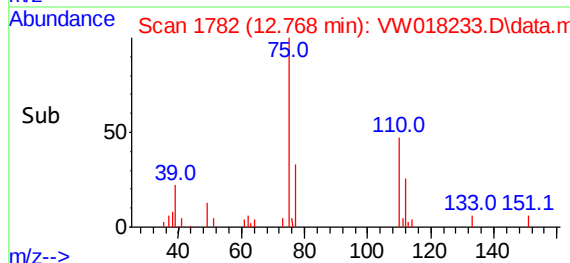
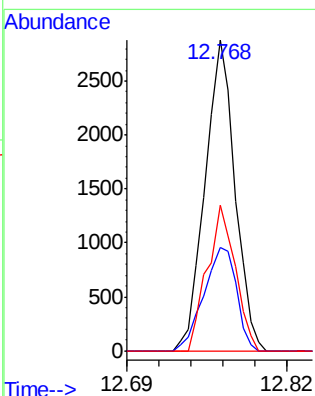
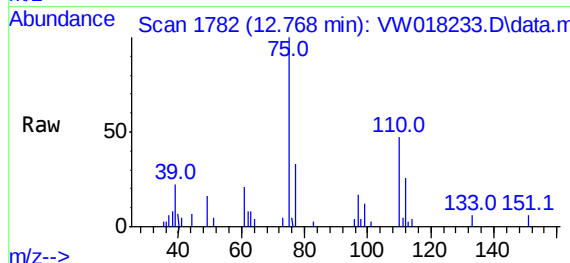




#61  
1,2,3-Trichloropropane  
Concen: 1.32 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

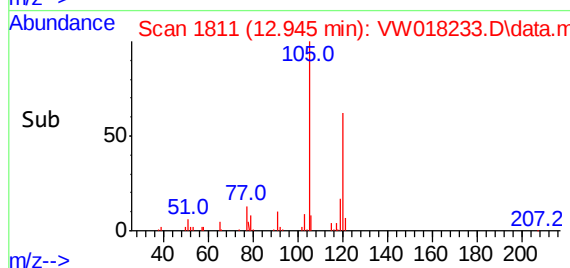
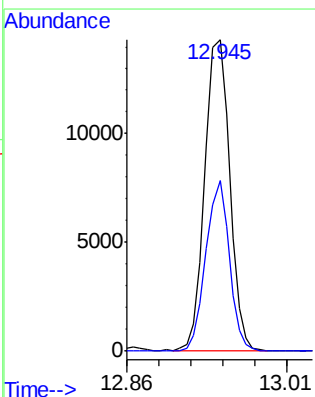
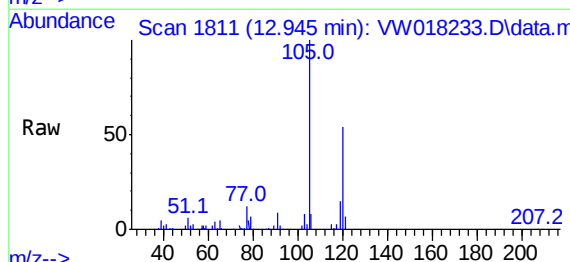
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

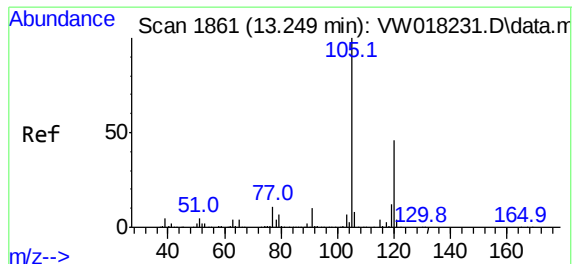
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4591  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 36.4  | 25.3  | 37.9  |
| 110      | 44.0  | 32.6  | 48.8  |



#62  
1,3,5-Trimethylbenzene  
Concen: 0.98 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 22751 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 50.8  | 39.0  | 58.6  |

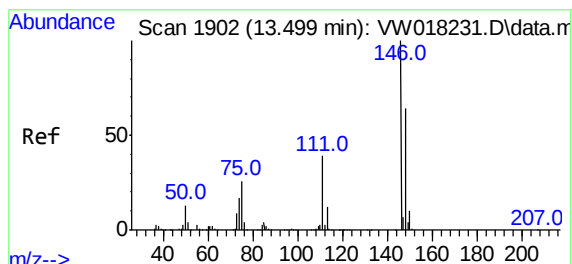
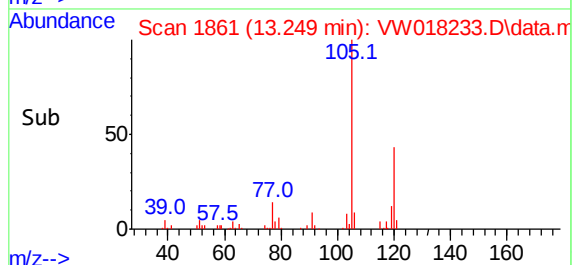
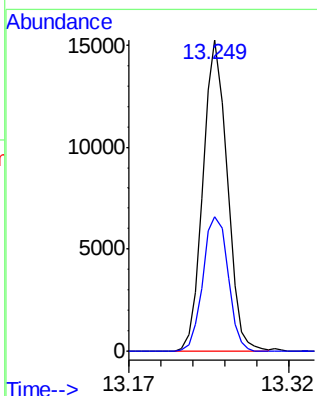
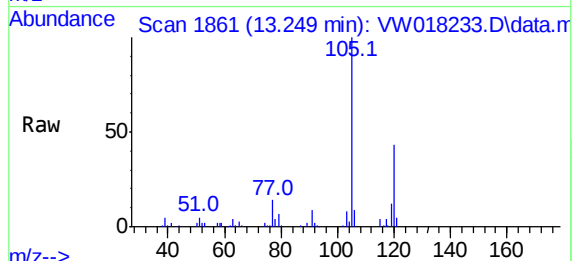




#63  
1,2,4-Trimethylbenzene  
Concen: 1.01 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

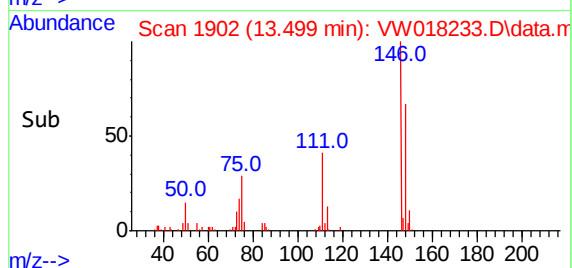
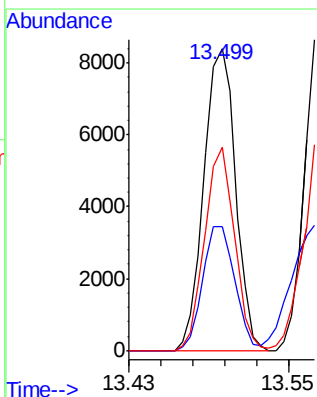
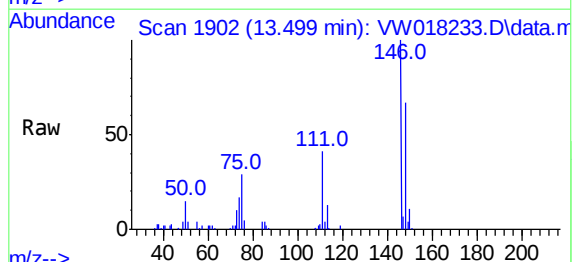
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

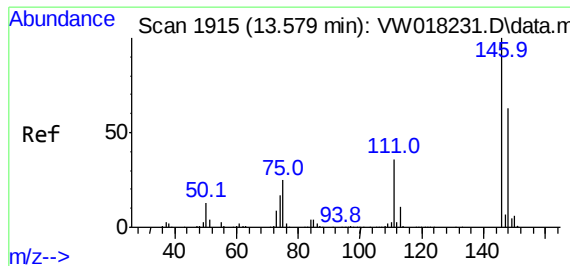
Tgt Ion:105 Resp: 23411  
Ion Ratio Lower Upper  
105 100  
120 44.8 35.6 53.4



#64  
1,3-Dichlorobenzene  
Concen: 1.07 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:146 Resp: 14222  
Ion Ratio Lower Upper  
146 100  
111 41.0 26.7 49.7  
148 67.4 41.1 76.3

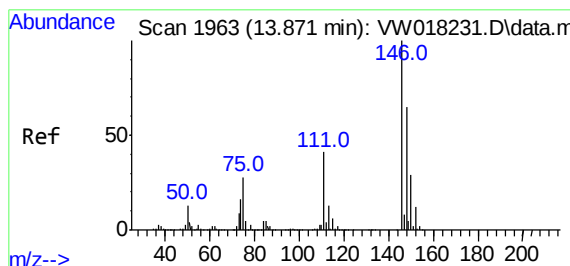
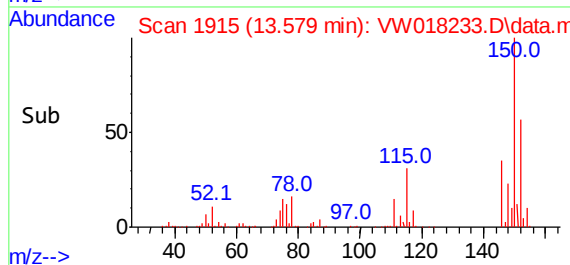
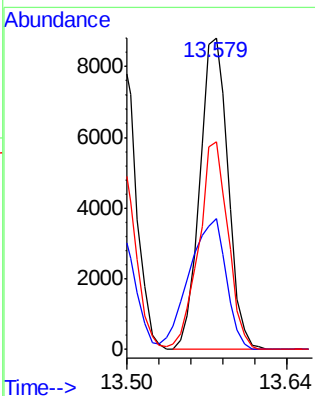
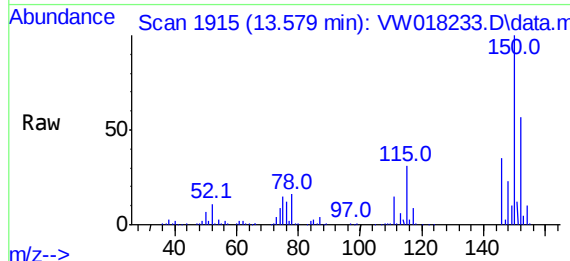




#65  
1,4-Dichlorobenzene  
Concen: 1.12 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

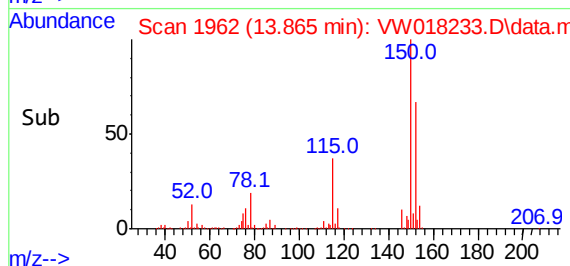
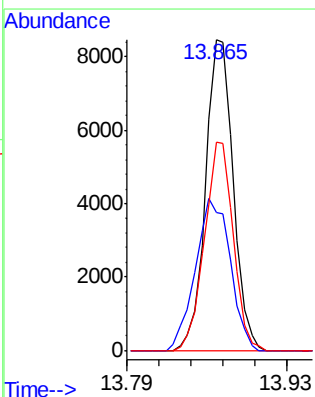
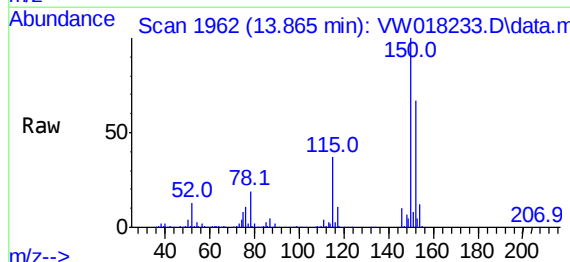
Instrument :  
MSVOA\_W  
ClientSampleId :  
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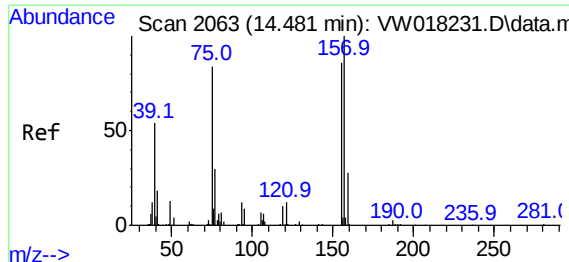
Tgt Ion:146 Resp: 14831  
Ion Ratio Lower Upper  
146 100  
111 41.8 28.8 53.4  
148 66.5 46.8 87.0



#67  
1,2-Dichlorobenzene  
Concen: 1.17 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.006 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

Tgt Ion:146 Resp: 13947  
Ion Ratio Lower Upper  
146 100  
111 44.3 33.2 49.8  
148 67.0 50.4 75.6

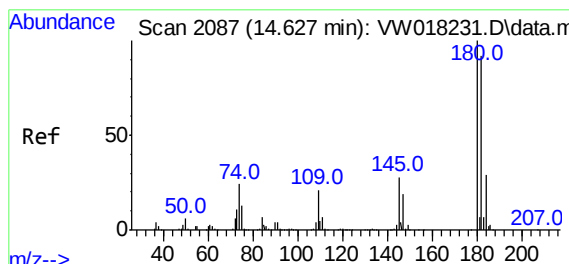
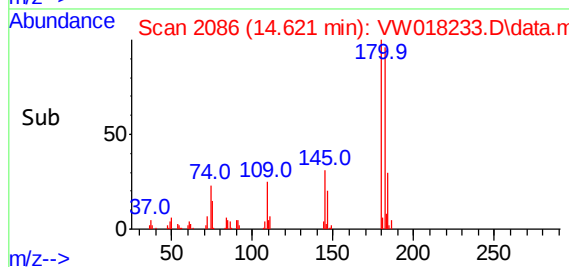
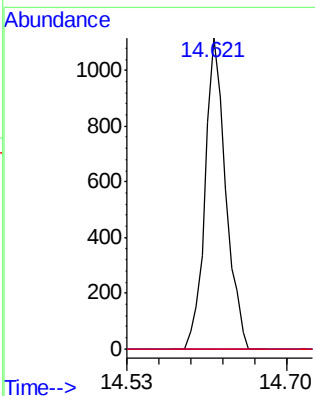
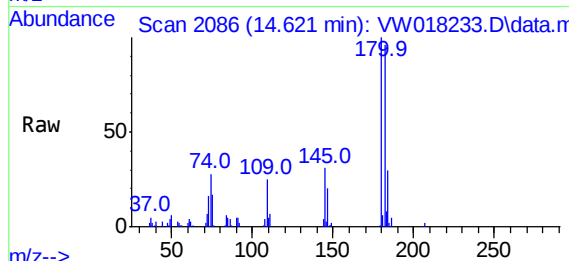




#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 2.19 ug/L  
 RT: 14.621 min Scan# 2086  
 Delta R.T. 0.140 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

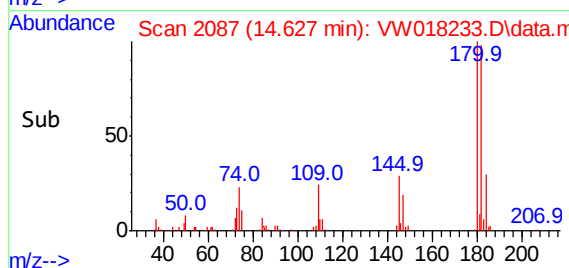
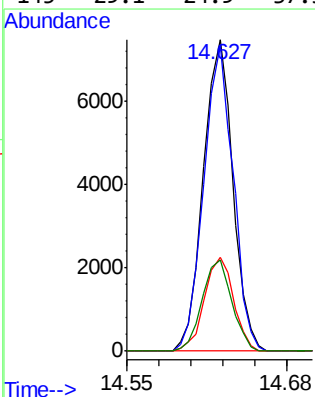
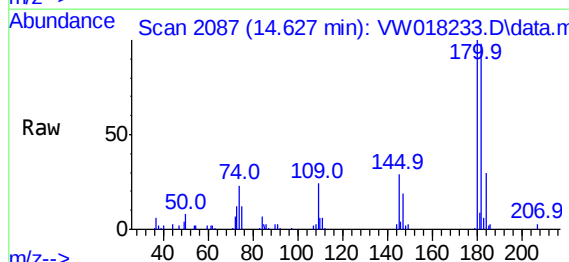
Instrument :  
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 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

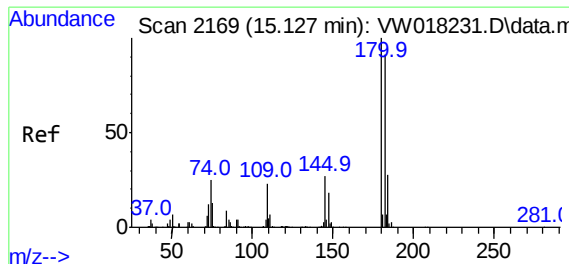
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 1651   |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 0.0   | 59.4  | 89.0#  |
| 157       | 0.0   | 72.2  | 108.2# |



#69  
 1,3,5-Trichlorobenzene  
 Concen: 1.15 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 11701 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.2  | 73.4  | 110.2 |
| 184       | 29.4  | 23.6  | 35.4  |
| 145       | 29.1  | 24.9  | 37.3  |

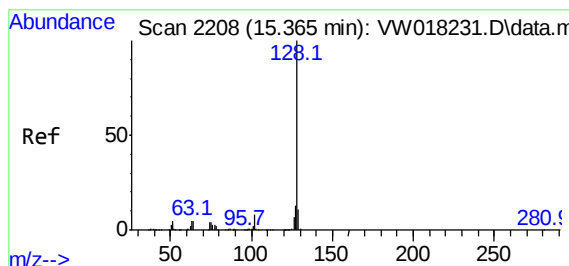
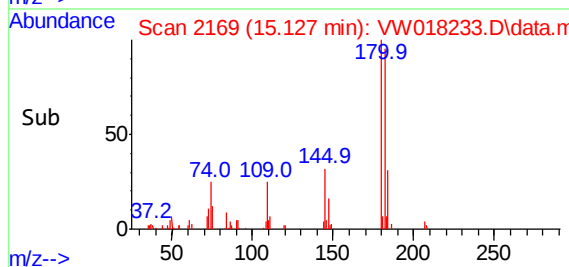
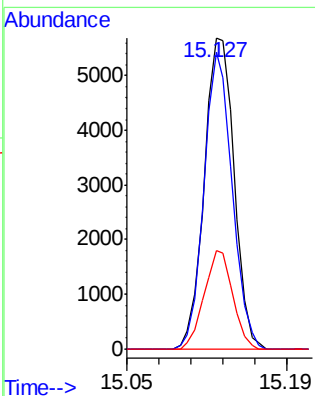
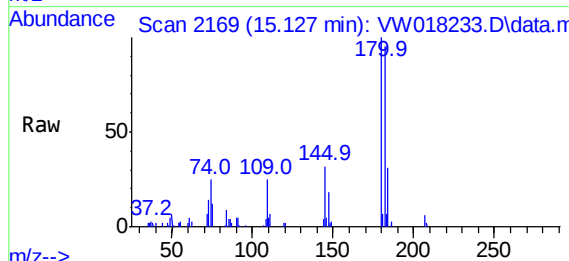




#70  
1,2,4-trichlorobenzene  
Concen: 1.20 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

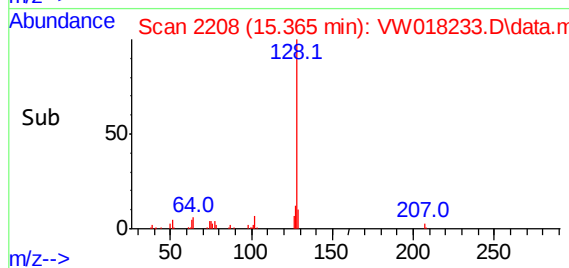
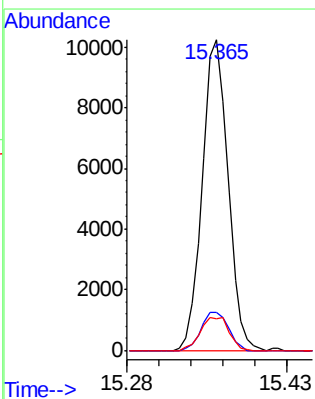
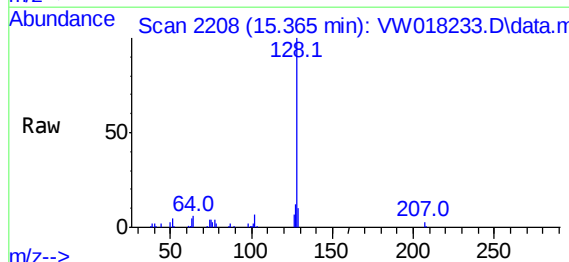
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

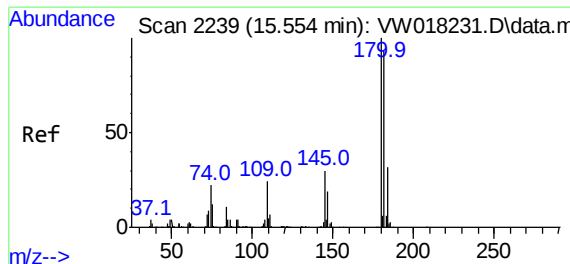
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10104 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.0  | 74.7  | 112.1 |
| 145       | 29.9  | 25.0  | 37.4  |



#71  
Naphthalene  
Concen: 1.21 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW018233.D  
Acq: 24 Feb 2021 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 18009 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.1  | 10.6  | 15.8  |
| 129       | 11.8  | 9.0   | 13.6  |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.18 ug/L  
 RT: 15.554 min Scan# 2239  
 Delta R.T. -0.000 min  
 Lab File: VW018233.D  
 Acq: 24 Feb 2021 11:48

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

Tgt Ion:180 Resp: 8766  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.4  | 76.7  | 115.1 |
| 145 | 30.9  | 28.9  | 43.3  |

