

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031323\  
 Data File : VD075508.D  
 Acq On : 13 Mar 2023 14:40  
 Operator : KP/SY  
 Sample : 01627-03 2.5PPB  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 05:58:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 23:52:37 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                        |        |       |          |           |        |          |
| Internal Standards           |        |       |          |           |        |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 104436   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 179314   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.586 | 117   | 159096   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 70897    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234  | 65    | 52819    | 55.738    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.480% |
| 35) Dibromofluoromethane     | 7.810  | 113   | 67305    | 54.803    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery  | =      | 109.600% |
| 50) Toluene-d8               | 10.269 | 98    | 263819   | 54.377    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery  | =      | 108.760% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 68178    | 48.611    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery  | =      | 97.220%  |
| Target Compounds             |        |       |          |           |        |          |
|                              |        |       |          |           |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 3012     | 2.892     | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.287  | 62    | 6779     | 2.705     | ug/l   | 93       |
| 5) Bromomethane              | 2.699  | 94    | 6182     | 3.148     | ug/l   | 96       |
| 6) Chloroethane              | 2.840  | 64    | 4713     | 2.807     | ug/l # | 83       |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 5388     | 2.667     | ug/l   | 99       |
| 8) Diethyl Ether             | 3.599  | 74    | 1385     | 2.568     | ug/l   | 56       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969  | 101   | 3602     | 2.740     | ug/l # | 68       |
| 10) Methyl Iodide            | 4.163  | 142   | 3527     | 2.249     | ug/l # | 70       |
| 11) Tert butyl alcohol       | 5.057  | 59    | 238      | 5.439     | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.940  | 96    | 1996     | 1.538     | ug/l # | 82       |
| 13) Acrolein                 | 3.799  | 56    | 1096     | 12.587    | ug/l # | 76       |
| 14) Allyl chloride           | 4.563  | 41    | 2556     | 2.289     | ug/l # | 71       |
| 15) Acrylonitrile            | 5.245  | 53    | 1488     | 7.525     | ug/l # | 74       |
| 16) Acetone                  | 4.016  | 43    | 2351     | Below Cal |        | 98       |
| 17) Carbon Disulfide         | 4.269  | 76    | 10674    | 2.725     | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569  | 43    | 1138     | 2.268     | ug/l # | 79       |
| 19) Methyl tert-butyl Ether  | 5.322  | 73    | 5199     | 2.310     | ug/l   | 93       |
| 20) Methylene Chloride       | 4.810  | 84    | 12638    | 4.104     | ug/l # | 71       |
| 21) trans-1,2-Dichloroethene | 5.316  | 96    | 3831     | 2.596     | ug/l # | 53       |
| 22) Diisopropyl ether        | 6.216  | 45    | 5582     | 2.306     | ug/l # | 82       |
| 23) Vinyl Acetate            | 6.157  | 43    | 12397    | 10.553    | ug/l # | 74       |
| 24) 1,1-Dichloroethane       | 6.110  | 63    | 5445     | 2.597     | ug/l # | 91       |
| 25) 2-Butanone               | 7.087  | 43    | 3181     | 14.396    | ug/l # | 58       |
| 26) 2,2-Dichloropropane      | 7.081  | 77    | 5648     | 2.929     | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 3885     | 2.457     | ug/l   | 89       |
| 28) Bromochloromethane       | 7.422  | 49    | 1551     | 2.295     | ug/l # | 52       |
| 29) Tetrahydrofuran          | 7.439  | 42    | 1093     | 9.088     | ug/l # | 48       |
| 30) Chloroform               | 7.592  | 83    | 6054     | 2.600     | ug/l   | 89       |
| 31) Cyclohexane              | 7.875  | 56    | 5600     | 3.318     | ug/l # | 59       |
| 32) 1,1,1-Trichloroethane    | 7.798  | 97    | 5248     | 2.570     | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.010  | 75    | 4342     | 2.386     | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.175  | 43    | 1161     | 2.448     | ug/l # | 80       |
| 38) Carbon Tetrachloride     | 7.998  | 117   | 4044     | 2.319     | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.281  | 83    | 5393     | 2.350     | ug/l # | 80       |
| 40) Benzene                  | 8.251  | 78    | 13550    | 2.484     | ug/l   | 95       |
| 41) Methacrylonitrile        | 7.404  | 41    | 359      | 1.437     | ug/l # | 36       |

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 Sample : 01627-03 2.5PPB  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 05:58:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 23:52:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 3199     | 2.664   | ug/l   | 80       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 2054     | 2.341   | ug/l # | 58       |
| 44) Trichloroethene           | 9.028  | 130  | 3901     | 2.434   | ug/l   | 78       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 2915     | 2.486   | ug/l # | 82       |
| 46) Dibromomethane            | 9.392  | 93   | 1760     | 2.435   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 4610     | 2.634   | ug/l   | 91       |
| 48) Methyl methacrylate       | 9.381  | 41   | 791      | 1.919   | ug/l # | 56       |
| 49) 1,4-Dioxane               | 9.369  | 88   | 120      | 18.305  | ug/l # | 21       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 5043     | 11.051  | ug/l   | 90       |
| 52) Toluene                   | 10.339 | 92   | 8874     | 2.511   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 3810     | 2.420   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 4665     | 2.413   | ug/l # | 77       |
| 55) 1,1,2-Trichloroethane     | 10.739 | 97   | 2727     | 2.666   | ug/l # | 91       |
| 56) Ethyl methacrylate        | 10.604 | 69   | 2221     | 2.280   | ug/l # | 63       |
| 57) 1,3-Dichloropropane       | 10.880 | 76   | 3924     | 2.492   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 4752     | 9.968   | ug/l # | 87       |
| 59) 2-Hexanone                | 10.922 | 43   | 3429     | 10.625  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.075 | 129  | 2870     | 2.374   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.186 | 107  | 2354     | 2.443   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 3348     | 2.667   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 9870     | 2.616   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.686 | 131  | 3122     | 2.415   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.686 | 91   | 14228    | 2.190   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 10970    | 4.200   | ug/l   | 98       |
| 69) o-Xylene                  | 12.122 | 106  | 4847     | 1.998   | ug/l   | 99       |
| 70) Styrene                   | 12.139 | 104  | 7876     | 1.952   | ug/l   | 93       |
| 71) Bromoform                 | 12.304 | 173  | 1710     | 2.591   | ug/l # | 93       |
| 73) Isopropylbenzene          | 12.422 | 105  | 12685    | 2.234   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.245 | 43   | 1613     | 2.293   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.680 | 83   | 2646     | 2.748   | ug/l # | 92       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75   | 2970     | 5.108   | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 3455     | 2.560   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.769 | 91   | 17255    | 2.501   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 9784     | 2.617   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 10247    | 2.201   | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75   | 33903    | 122.644 | ug/l # | 5        |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 9484     | 2.459   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.174 | 119  | 9107     | 2.251   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 9218     | 2.049   | ug/l   | 88       |
| 85) sec-Butylbenzene          | 13.351 | 105  | 14068    | 2.246   | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 10617    | 2.074   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 7282     | 2.610   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.545 | 146  | 7319     | 2.652   | ug/l   | 93       |
| 89) n-Butylbenzene            | 13.792 | 91   | 10946    | 2.332   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.057 | 117  | 2355     | 2.383   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 6169     | 2.613   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 294      | 2.426   | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 3675     | 2.669   | ug/l   | 91       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 1731     | 2.636   | ug/l   | 91       |
| 95) Naphthalene               | 15.339 | 128  | 6084     | 2.407   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.527 | 180  | 3081     | 2.593   | ug/l   | 94       |

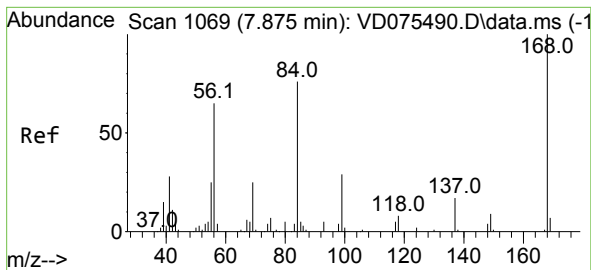
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031323\  
Data File : VD075508.D  
Acq On : 13 Mar 2023 14:40  
Operator : KP/SY  
Sample : 01627-03 2.5PPB  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 05:58:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 10 23:52:37 2023  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

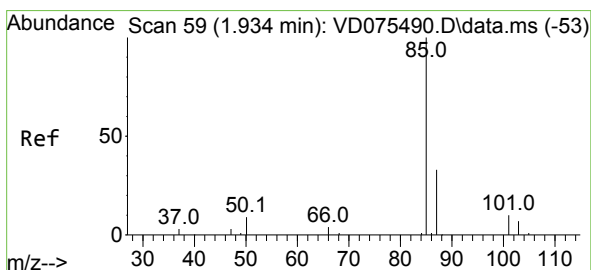
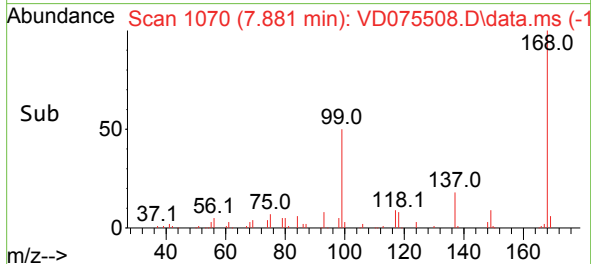
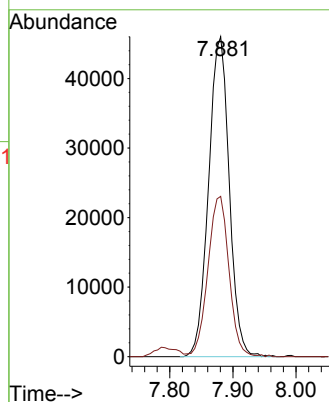
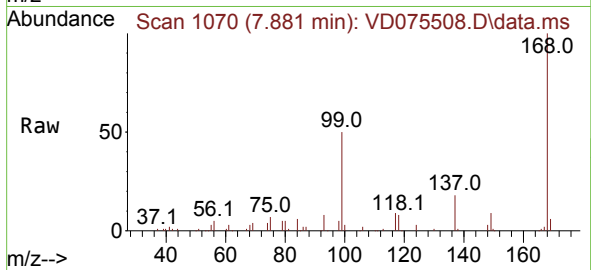
MDL-SOIL-03-QT1-2022

Tgt Ion:168 Resp: 104436

Ion Ratio Lower Upper

168 100

99 50.1 43.8 65.6



#2

Dichlorodifluoromethane

Concen: 2.892 ug/l

RT: 1.934 min Scan# 59

Delta R.T. -0.000 min

Lab File: VD075508.D

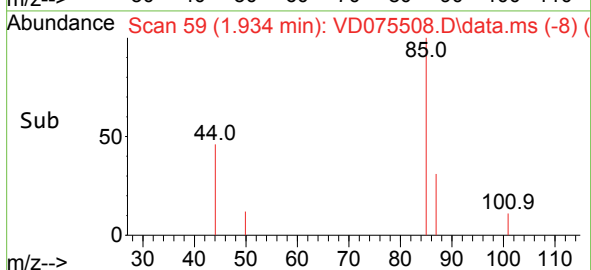
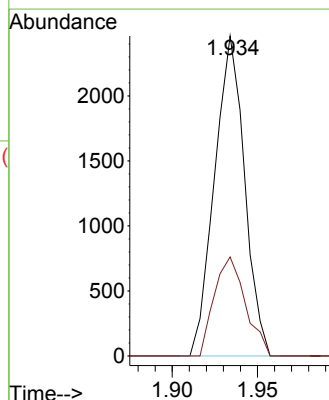
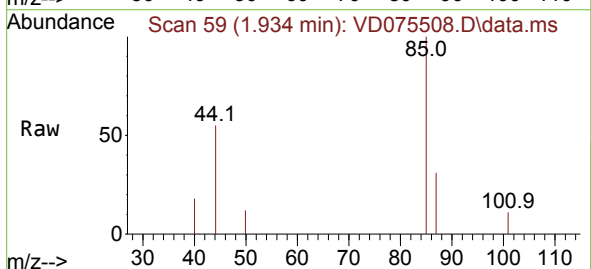
Acq: 13 Mar 2023 14:40

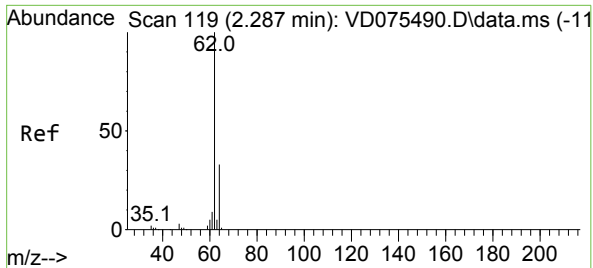
Tgt Ion: 85 Resp: 3012

Ion Ratio Lower Upper

85 100

87 30.9 17.3 51.7

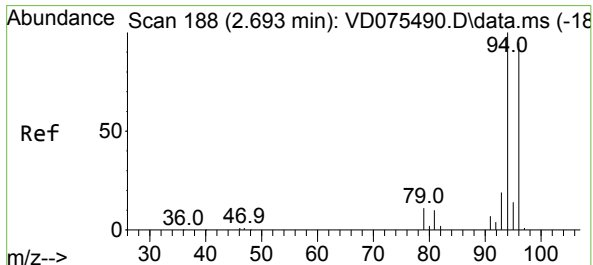
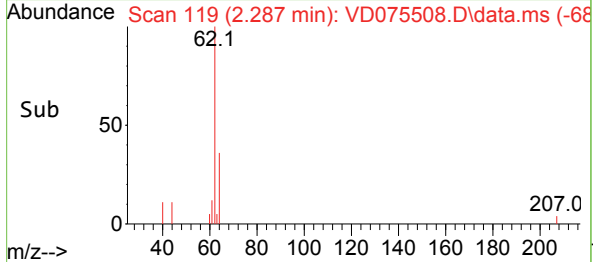
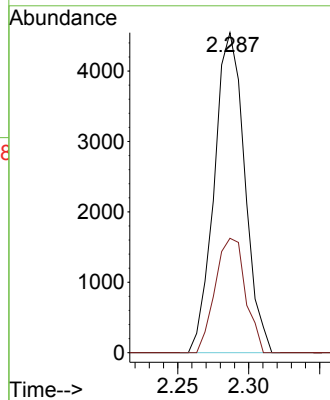
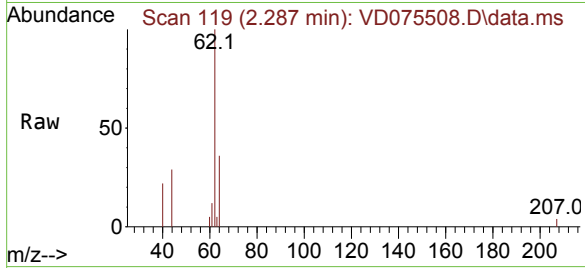




#4  
Vinyl Chloride  
Concen: 2.705 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

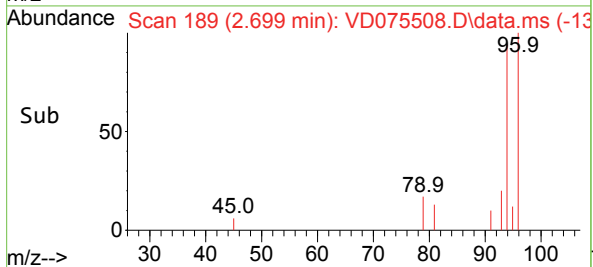
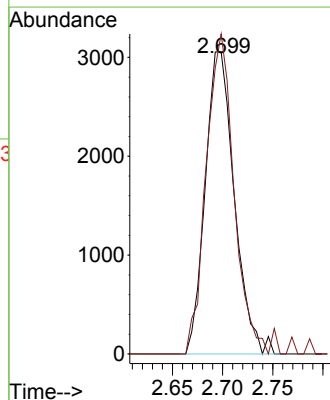
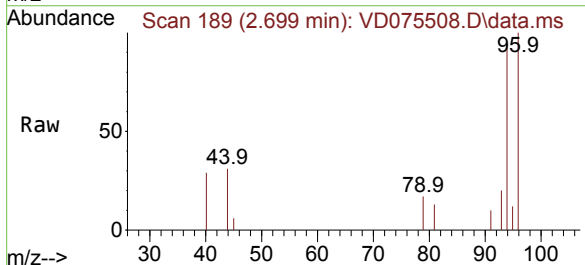
Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT1-2022

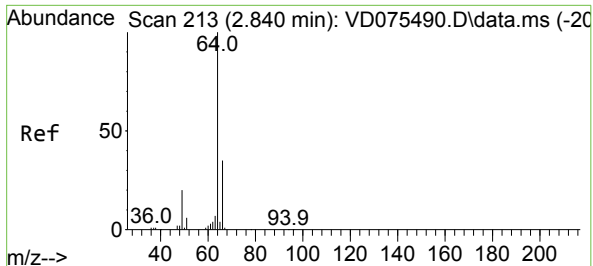
Tgt Ion: 62 Resp: 6779  
Ion Ratio Lower Upper  
62 100  
64 35.7 25.4 38.0



#5  
Bromomethane  
Concen: 3.148 ug/l  
RT: 2.699 min Scan# 189  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 94 Resp: 6182  
Ion Ratio Lower Upper  
94 100  
96 101.1 77.5 116.3

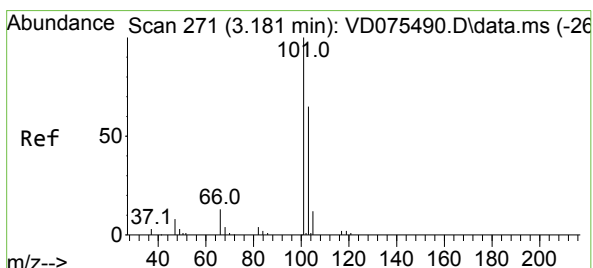
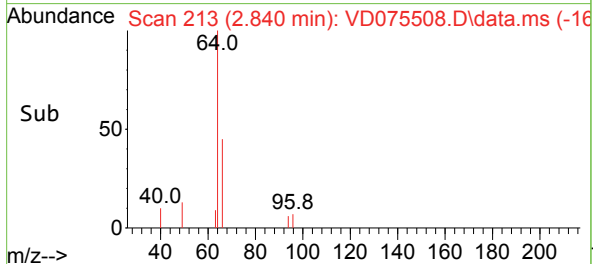
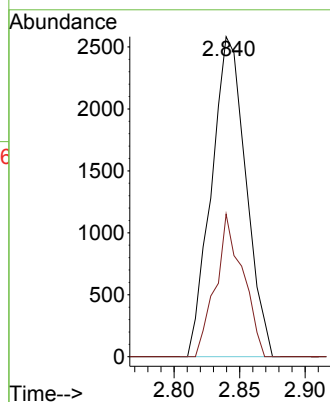
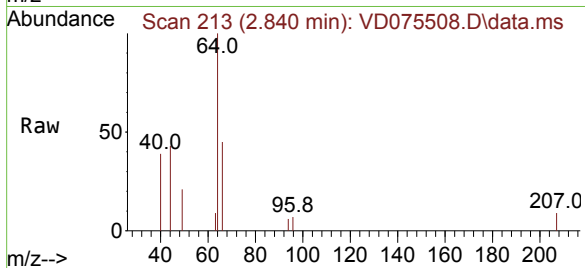




#6  
Chloroethane  
Concen: 2.807 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

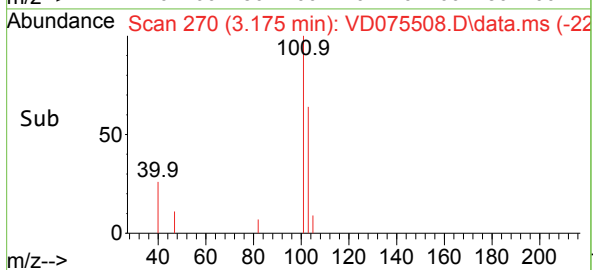
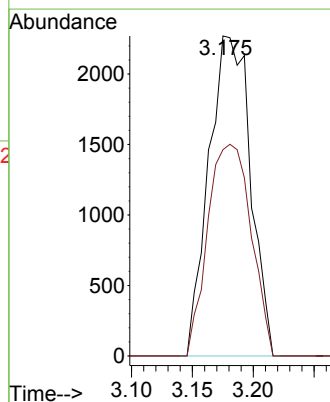
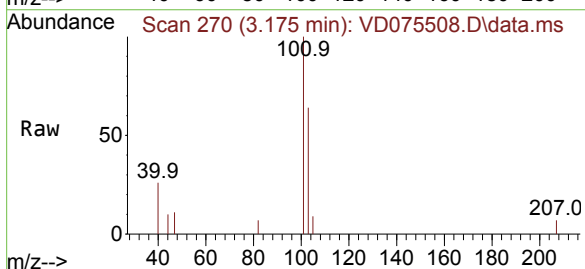
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

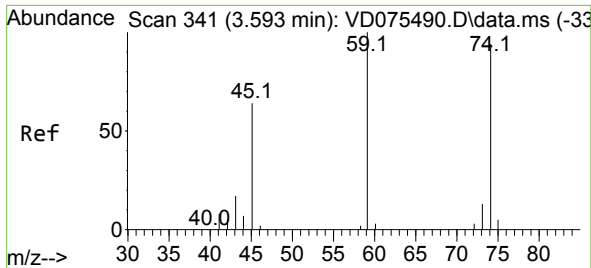
Tgt Ion: 64 Resp: 4713  
Ion Ratio Lower Upper  
64 100  
66 44.6 27.7 41.5#



#7  
Trichlorofluoromethane  
Concen: 2.667 ug/l  
RT: 3.175 min Scan# 270  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:101 Resp: 5388  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.9 77.9





#8

Diethyl Ether

Concen: 2.568 ug/l

RT: 3.599 min Scan# 341

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

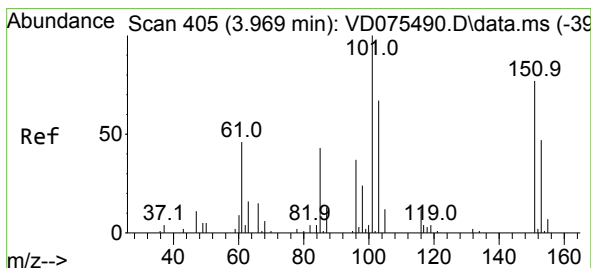
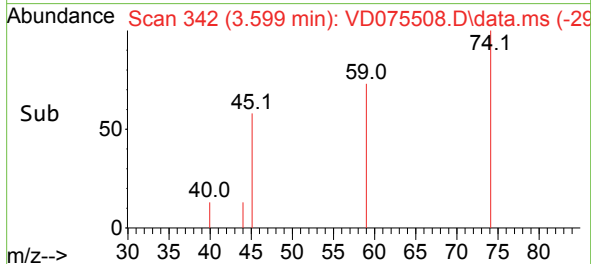
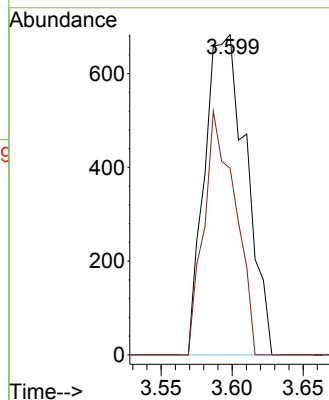
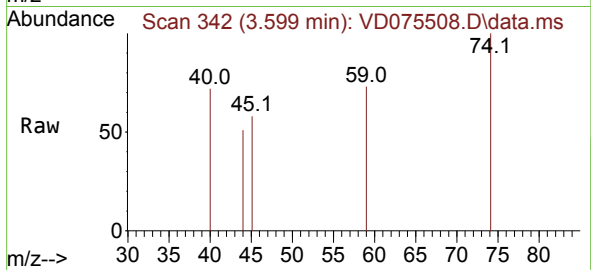
MDL-SOIL-03-QT1-2022

Tgt Ion: 74 Resp: 1385

Ion Ratio Lower Upper

74 100

45 57.8 50.9 152.7



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.740 ug/l

RT: 3.969 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

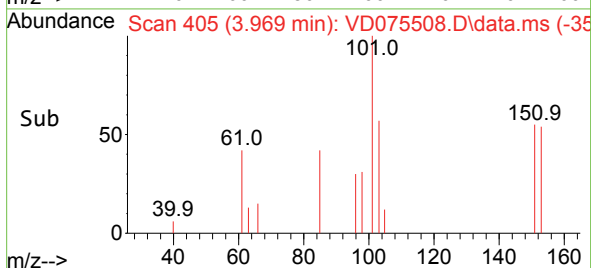
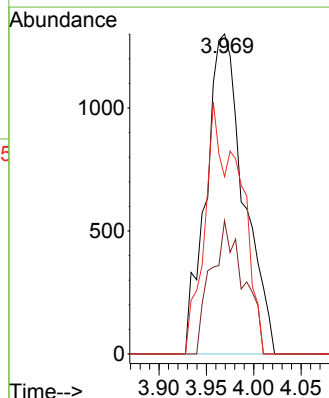
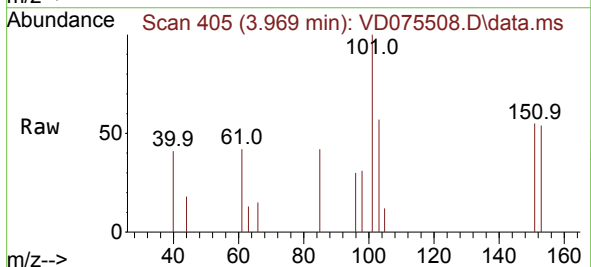
Tgt Ion: 101 Resp: 3602

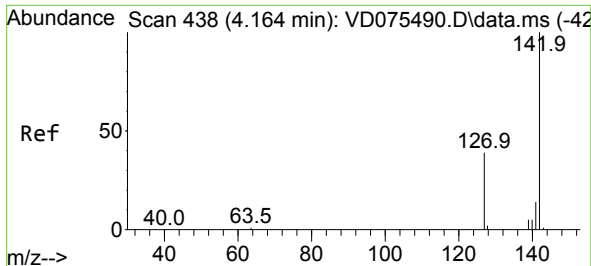
Ion Ratio Lower Upper

101 100

85 36.1 38.3 57.5#

151 39.8 60.4 90.6#





#10

Methyl Iodide

Concen: 2.249 ug/l

RT: 4.163 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD075508.D

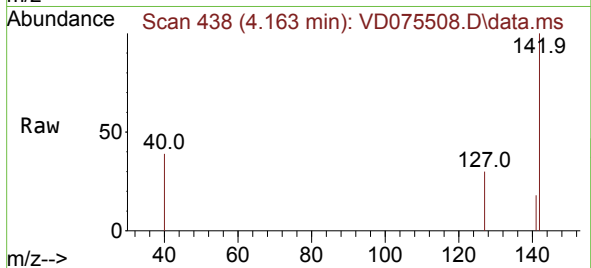
Acq: 13 Mar 2023 14:40

Instrument :

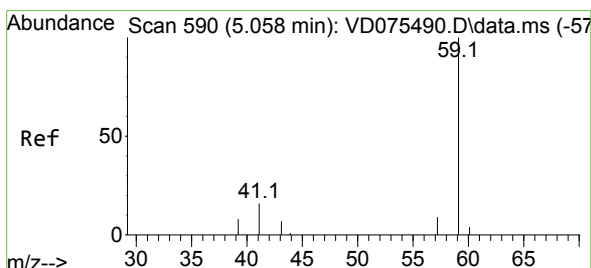
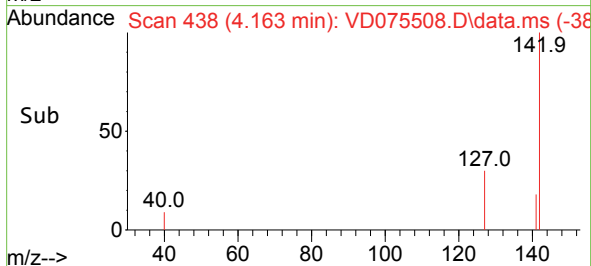
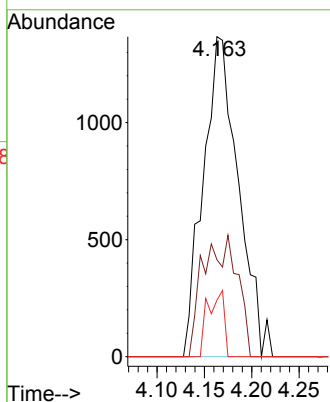
MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 3527  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 22.4  | 37.1  | 55.7# |
| 141      | 9.6   | 11.3  | 16.9# |



#11

Tert butyl alcohol

Concen: 5.439 ug/l

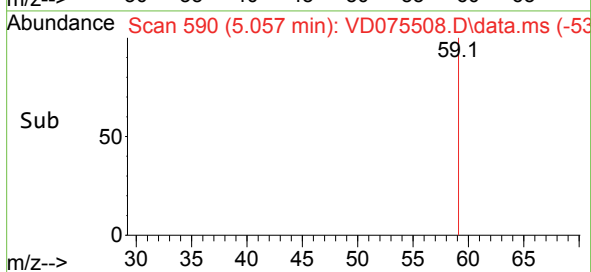
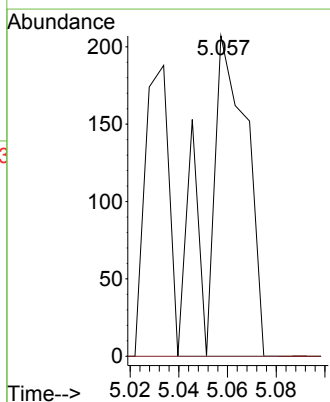
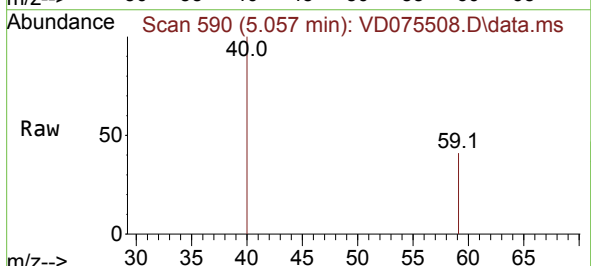
RT: 5.057 min Scan# 590

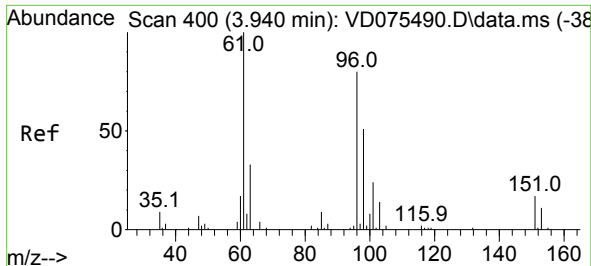
Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 238   |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 0.0   | 0.0   | 0.0   |





#12

1,1-Dichloroethene

Concen: 1.538 ug/l

RT: 3.940 min Scan# 400

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

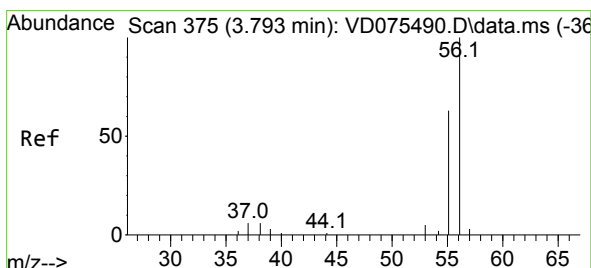
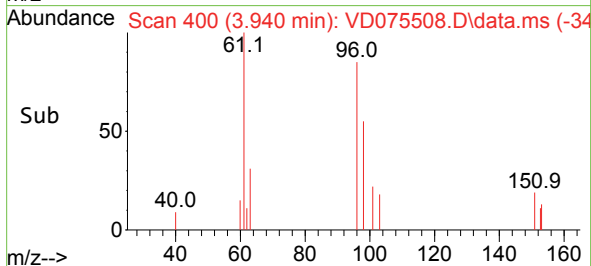
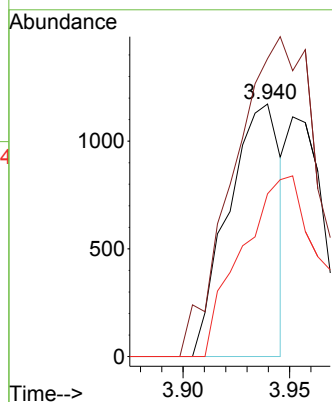
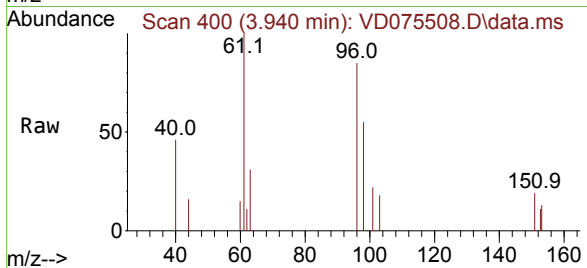
Tgt Ion: 96 Resp: 1996

Ion Ratio Lower Upper

96 100

61 118.0 118.6 177.8#

98 64.5 49.7 74.5



#13

Acrolein

Concen: 12.587 ug/l

RT: 3.799 min Scan# 376

Delta R.T. 0.006 min

Lab File: VD075508.D

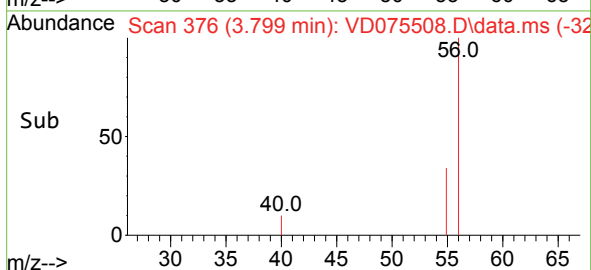
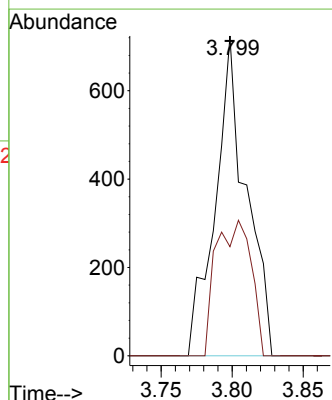
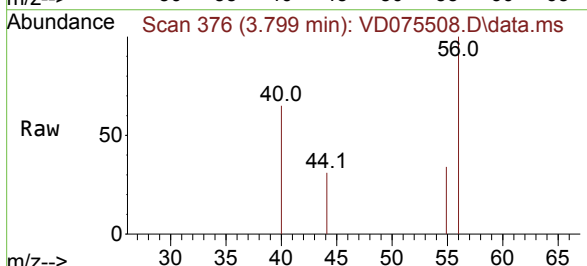
Acq: 13 Mar 2023 14:40

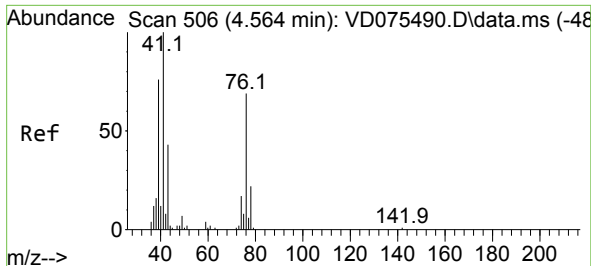
Tgt Ion: 56 Resp: 1096

Ion Ratio Lower Upper

56 100

55 48.3 53.9 80.9#

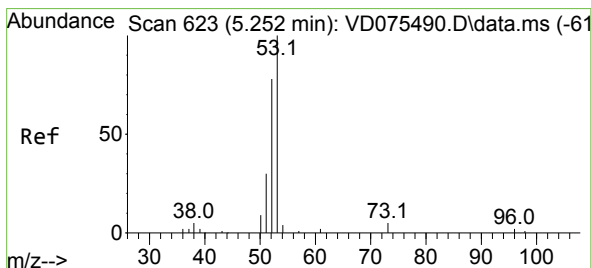
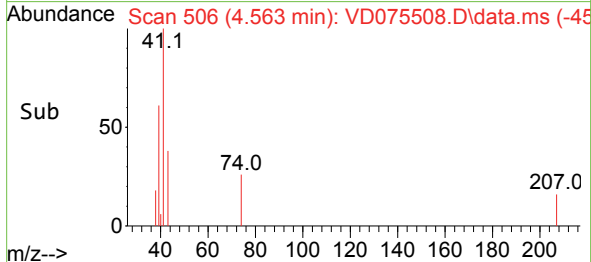
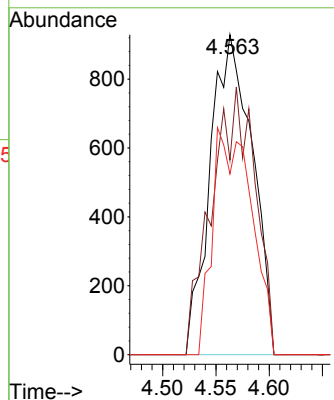
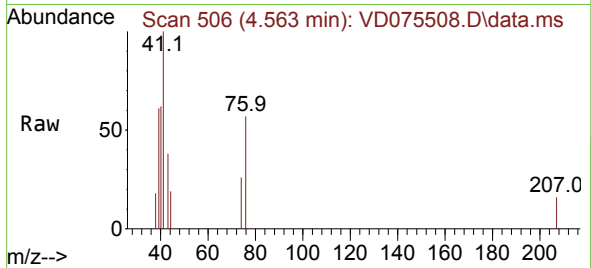




#14  
 Allyl chloride  
 Concen: 2.289 ug/l  
 RT: 4.563 min Scan# 506  
 Delta R.T. -0.000 min  
 Lab File: VD075508.D  
 Acq: 13 Mar 2023 14:40

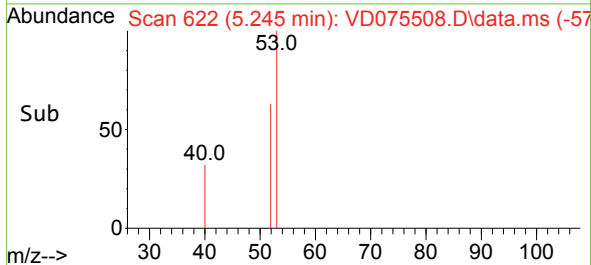
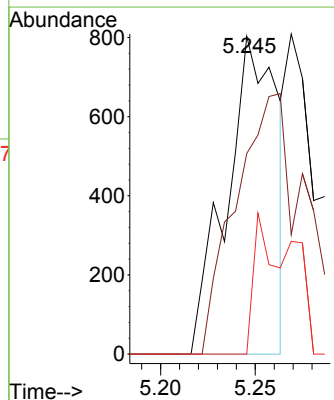
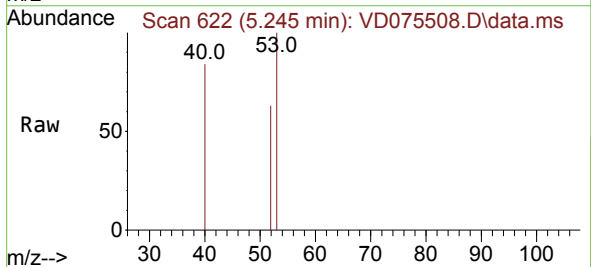
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2022

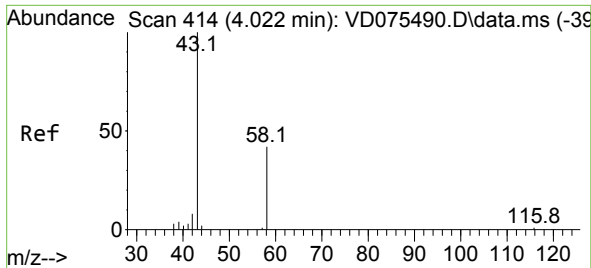
Tgt Ion: 41 Resp: 2556  
 Ion Ratio Lower Upper  
 41 100  
 39 42.4 60.6 90.8#  
 76 31.5 28.6 43.0



#15  
 Acrylonitrile  
 Concen: 7.525 ug/l  
 RT: 5.245 min Scan# 622  
 Delta R.T. -0.006 min  
 Lab File: VD075508.D  
 Acq: 13 Mar 2023 14:40

Tgt Ion: 53 Resp: 1488  
 Ion Ratio Lower Upper  
 53 100  
 52 112.8 66.2 99.4#  
 51 32.4 30.7 46.1





#16

Acetone

Concen: Below Cal

RT: 4.016 min Scan# 414

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

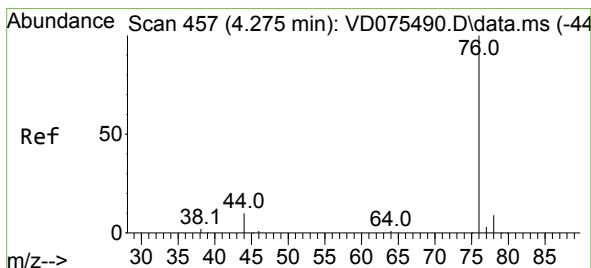
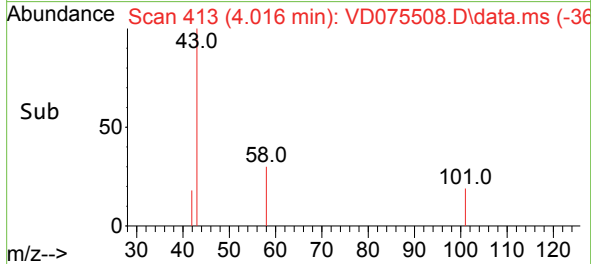
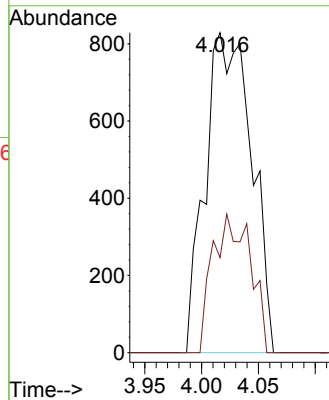
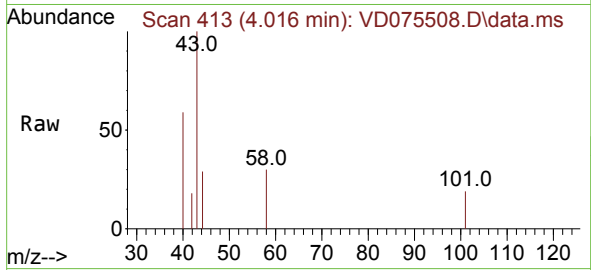
MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 2351

Ion Ratio Lower Upper

43 100

58 29.7 24.4 36.6



#17

Carbon Disulfide

Concen: 2.725 ug/l

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075508.D

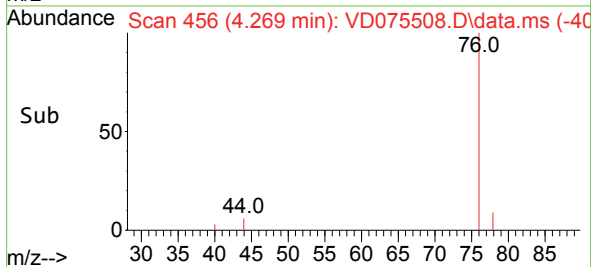
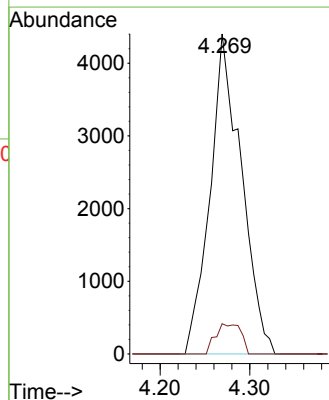
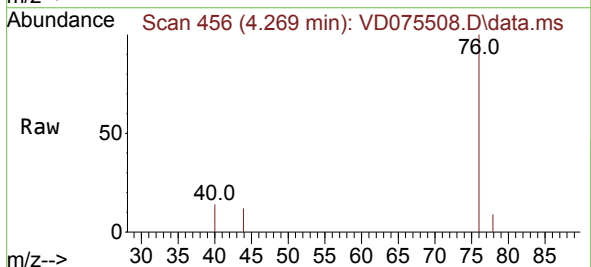
Acq: 13 Mar 2023 14:40

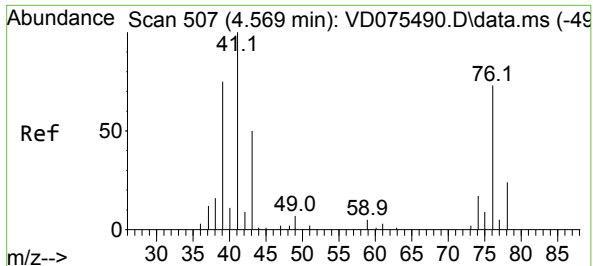
Tgt Ion: 76 Resp: 10674

Ion Ratio Lower Upper

76 100

78 9.5 8.0 12.0

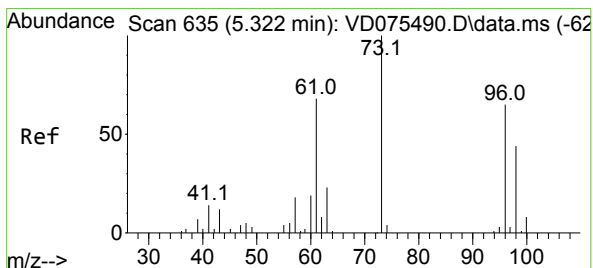
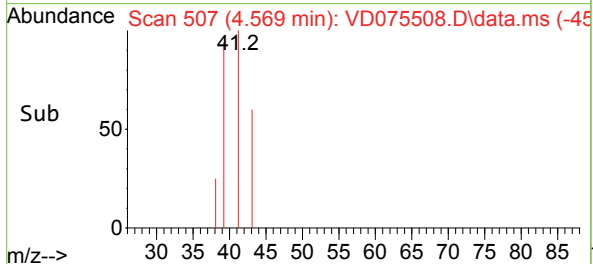
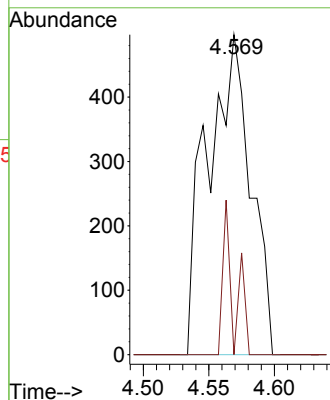
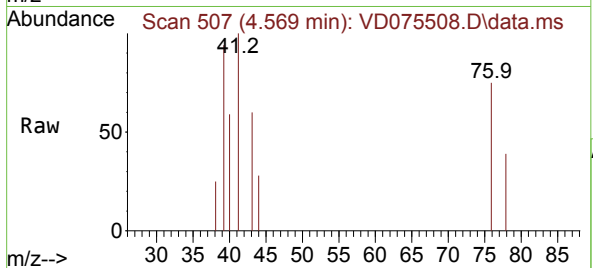




#18  
Methyl Acetate  
Concen: 2.268 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

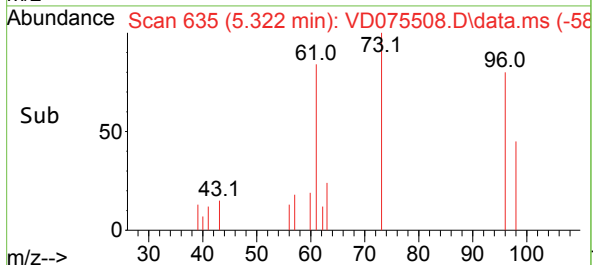
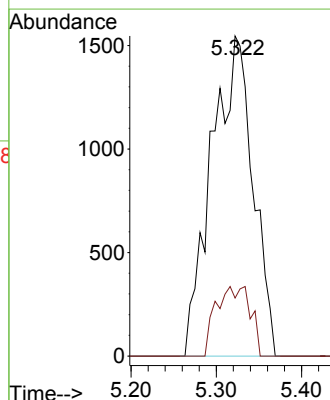
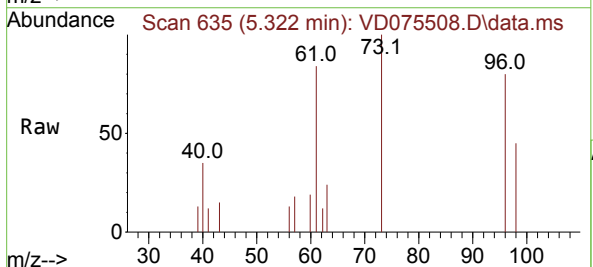
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

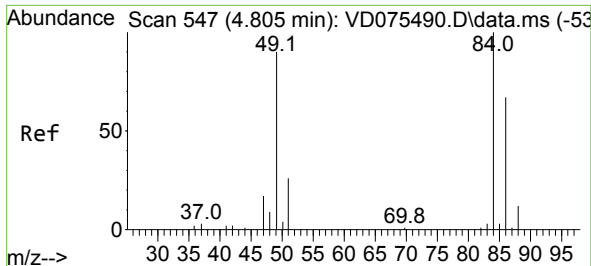
Tgt Ion: 43 Resp: 1138  
Ion Ratio Lower Upper  
43 100  
74 12.3 17.8 26.6#



#19  
Methyl tert-butyl Ether  
Concen: 2.310 ug/l  
RT: 5.322 min Scan# 635  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 73 Resp: 5199  
Ion Ratio Lower Upper  
73 100  
57 18.1 17.2 25.8

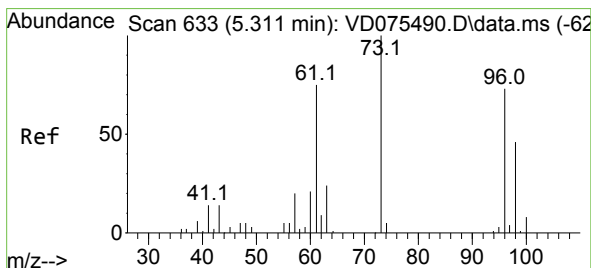
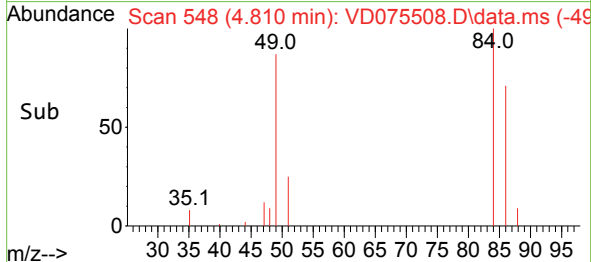
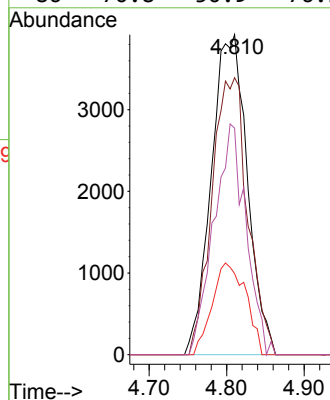
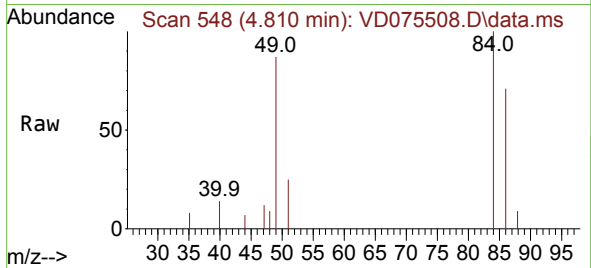




#20  
Methylene Chloride  
Concen: 4.104 ug/l  
RT: 4.810 min Scan# 547  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

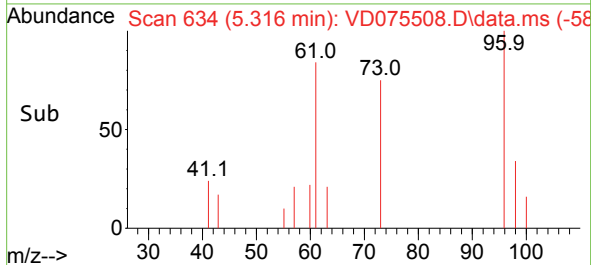
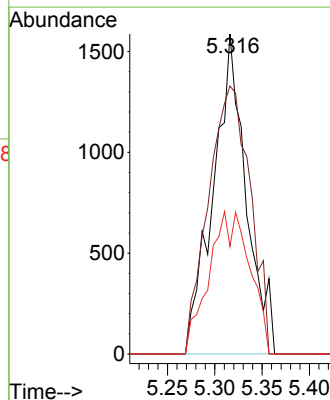
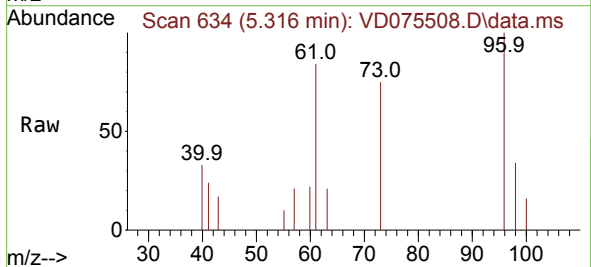
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

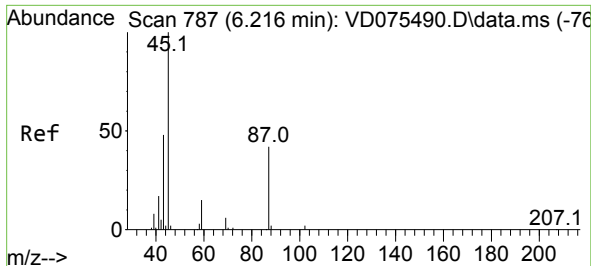
|             |       |              |
|-------------|-------|--------------|
| Tgt Ion: 84 | Resp: | 12638        |
| Ion         | Ratio | Lower Upper  |
| 84          | 100   |              |
| 49          | 86.5  | 106.4 159.6# |
| 51          | 25.4  | 32.4 48.6#   |
| 86          | 70.8  | 50.9 76.3    |



#21  
trans-1,2-Dichloroethene  
Concen: 2.596 ug/l  
RT: 5.316 min Scan# 634  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|             |       |              |
|-------------|-------|--------------|
| Tgt Ion: 96 | Resp: | 3831         |
| Ion         | Ratio | Lower Upper  |
| 96          | 100   |              |
| 61          | 83.7  | 117.2 175.8# |
| 98          | 33.6  | 50.6 76.0#   |

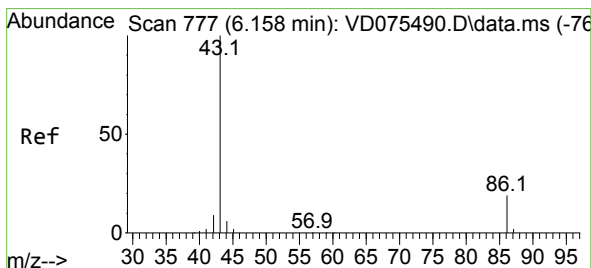
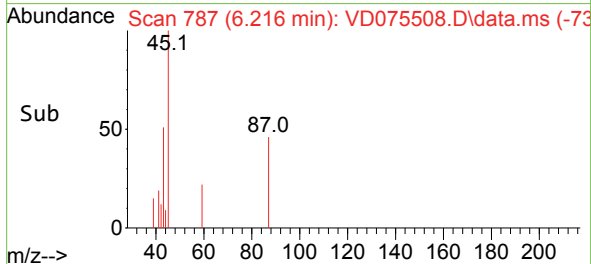
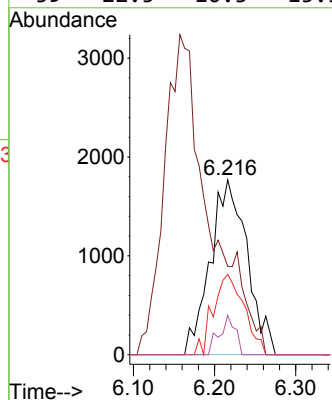
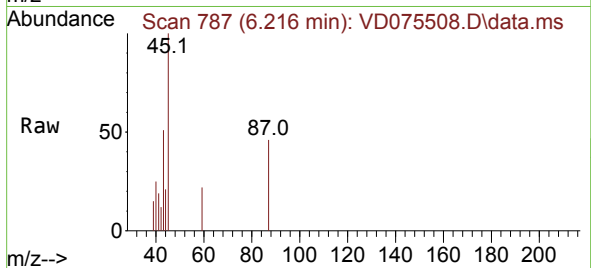




#22  
Diisopropyl ether  
Concen: 2.306 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

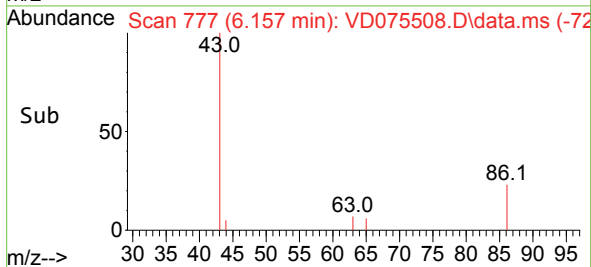
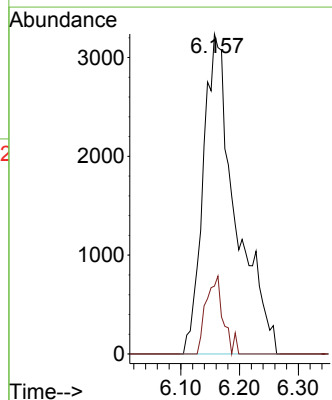
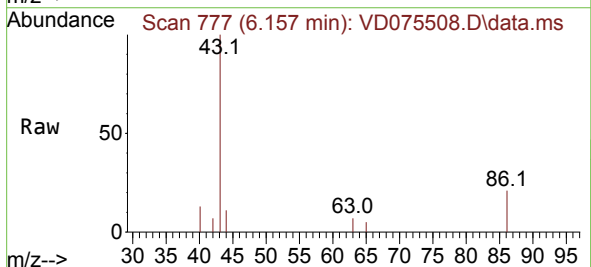
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

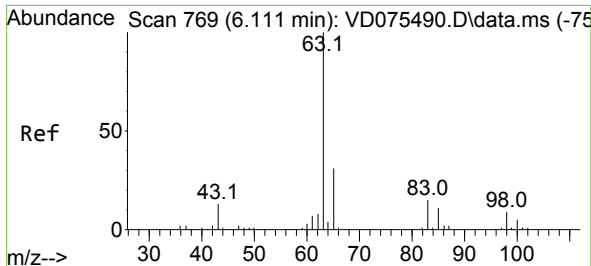
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 5582  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 50.5  | 44.4  | 66.6  |
| 87       | 46.0  | 20.9  | 31.3# |
| 59       | 22.5  | 10.3  | 15.5# |



#23  
Vinyl Acetate  
Concen: 10.553 ug/l  
RT: 6.157 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12397 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 21.2  | 9.0   | 13.6# |

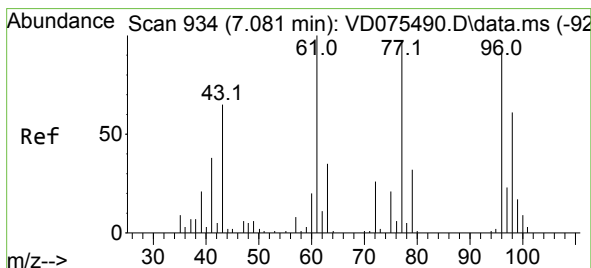
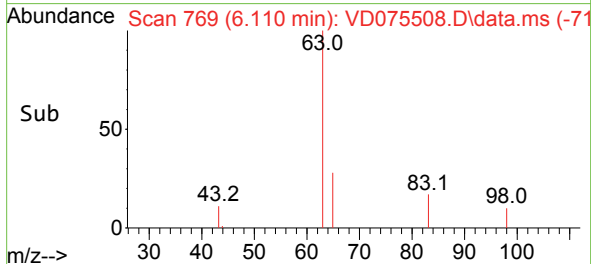
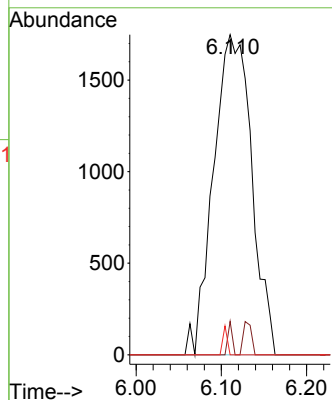
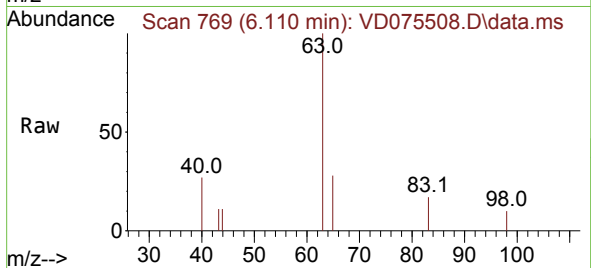




#24  
1,1-Dichloroethane  
Concen: 2.597 ug/l  
RT: 6.110 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

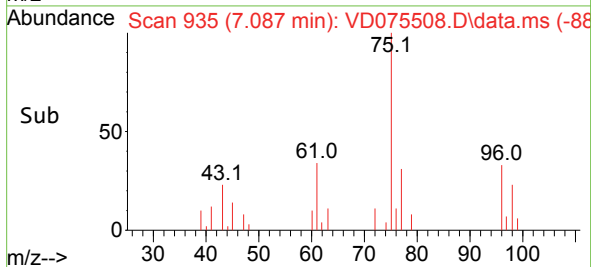
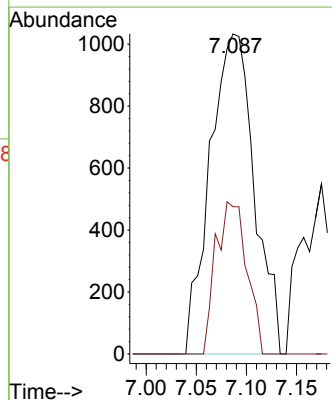
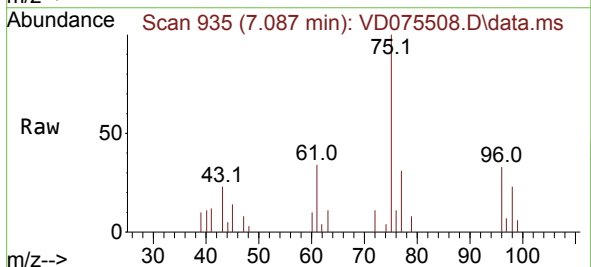
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

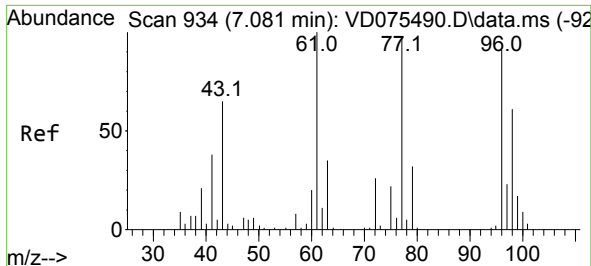
Tgt Ion: 63 Resp: 5445  
Ion Ratio Lower Upper  
63 100  
98 10.4 3.9 11.7  
100 0.0 2.0 6.0#



#25  
2-Butanone  
Concen: 14.396 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 43 Resp: 3181  
Ion Ratio Lower Upper  
43 100  
72 46.0 19.8 29.8#

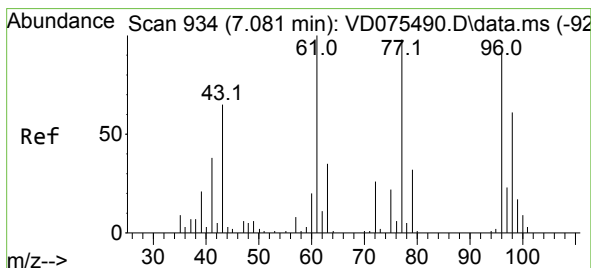
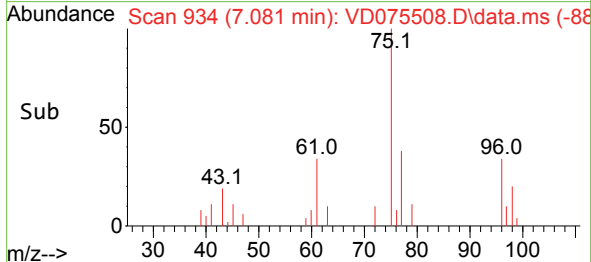
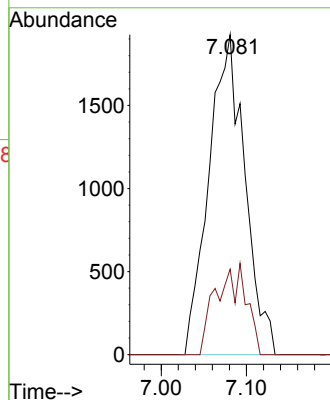
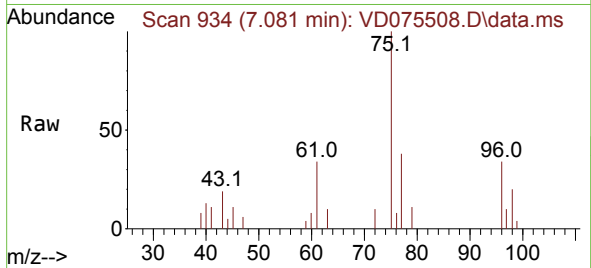




#26  
2,2-Dichloropropane  
Concen: 2.929 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

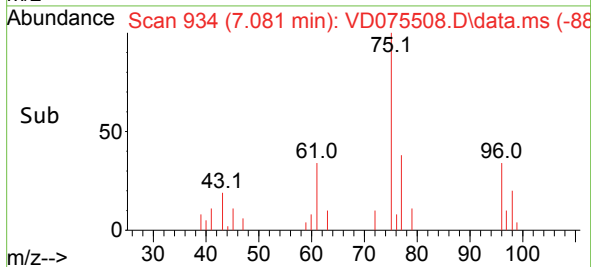
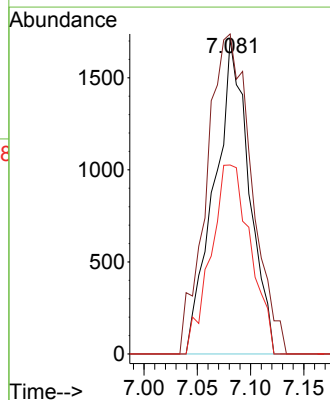
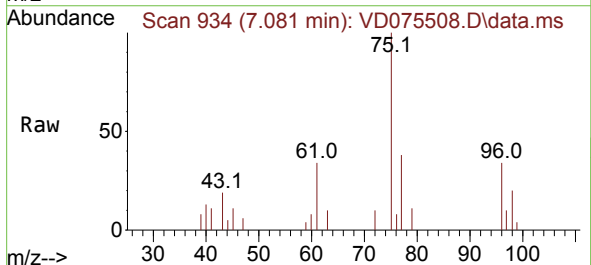
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

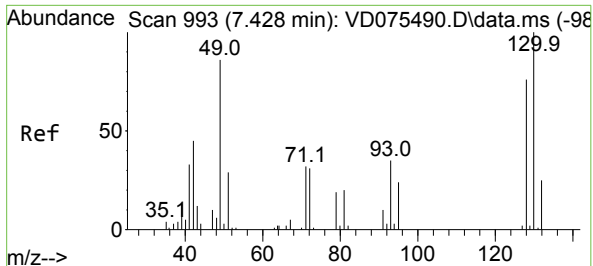
Tgt Ion: 77 Resp: 5648  
Ion Ratio Lower Upper  
77 100  
97 23.9 11.1 33.1



#27  
cis-1,2-Dichloroethene  
Concen: 2.457 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 96 Resp: 3885  
Ion Ratio Lower Upper  
96 100  
61 130.8 0.0 295.2  
98 68.5 0.0 129.2

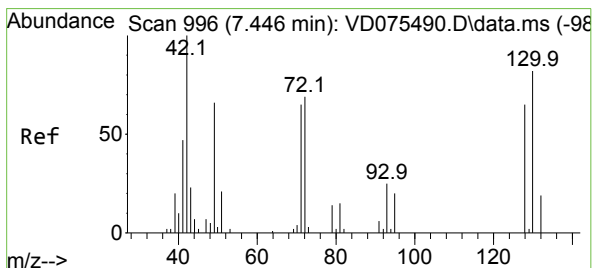
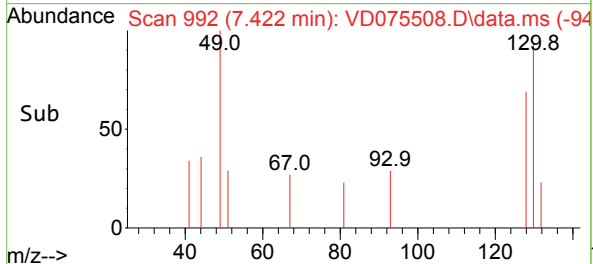
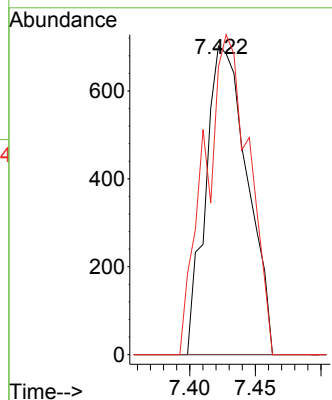
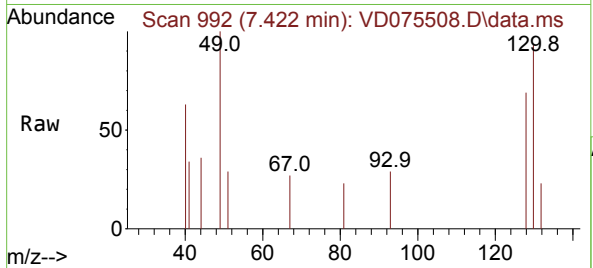




#28  
Bromochloromethane  
Concen: 2.295 ug/l  
RT: 7.422 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

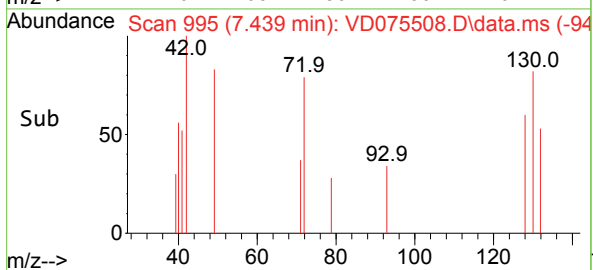
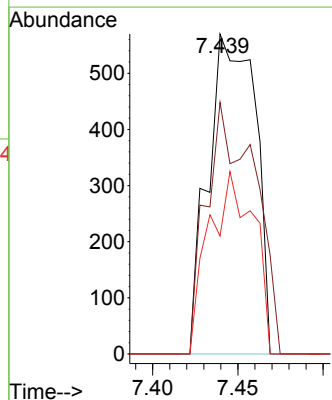
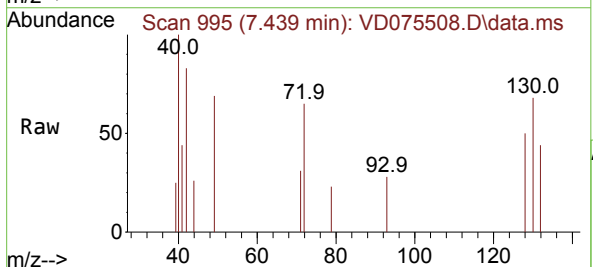
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

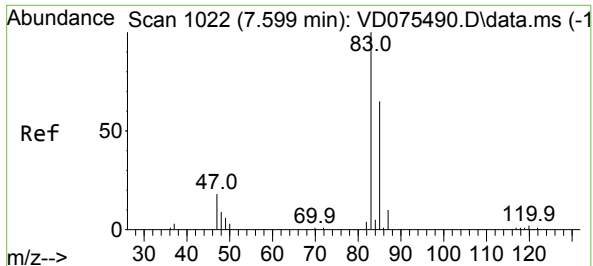
Tgt Ion: 49 Resp: 1551  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 2.2  
130 110.3 56.0 84.0#



#29  
Tetrahydrofuran  
Concen: 9.088 ug/l  
RT: 7.439 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 42 Resp: 1093  
Ion Ratio Lower Upper  
42 100  
72 80.8 31.8 47.6#  
71 54.3 27.6 41.4#





#30

Chloroform

Concen: 2.600 ug/l

RT: 7.592 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

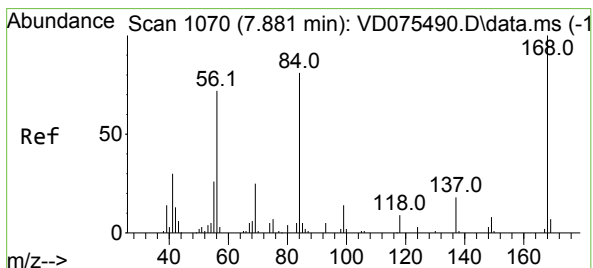
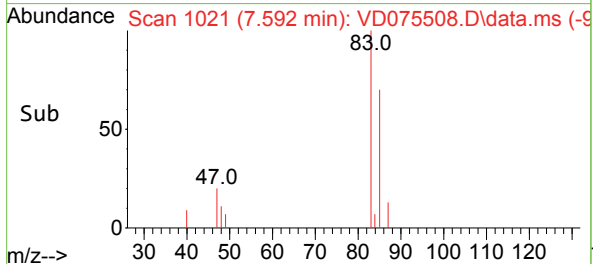
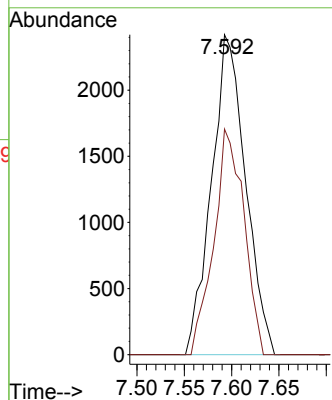
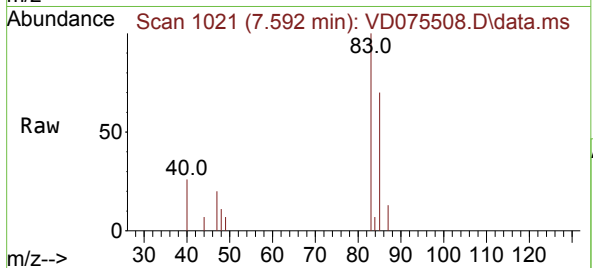
MDL-SOIL-03-QT1-2022

Tgt Ion: 83 Resp: 6054

Ion Ratio Lower Upper

83 100

85 70.5 49.4 74.2



#31

Cyclohexane

Concen: 3.318 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

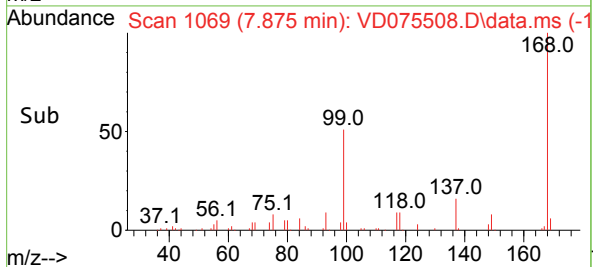
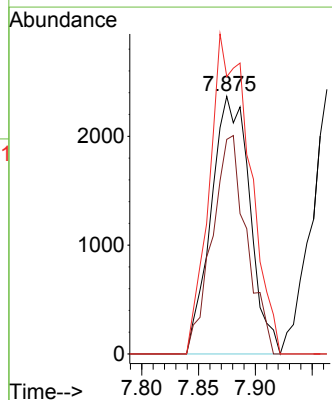
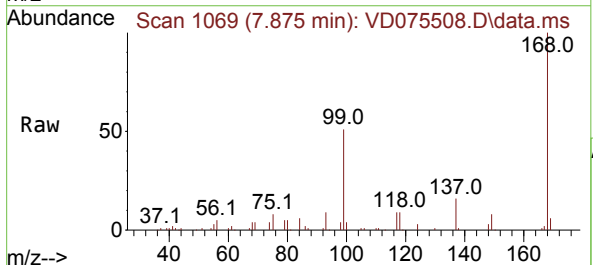
Tgt Ion: 56 Resp: 5600

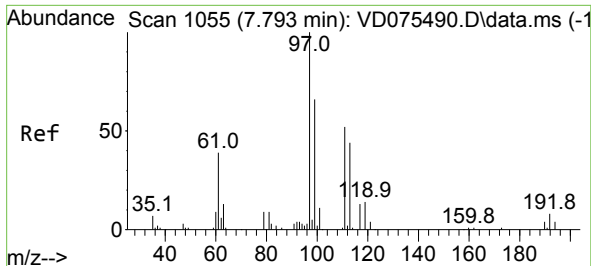
Ion Ratio Lower Upper

56 100

69 83.3 25.5 38.3#

84 107.6 69.6 104.4#





#32

1,1,1-Trichloroethane

Concen: 2.570 ug/l

RT: 7.798 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

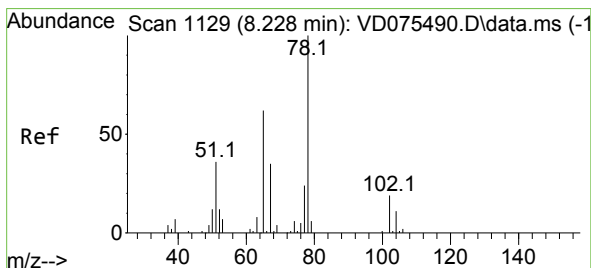
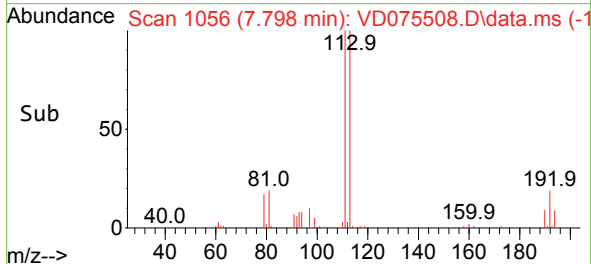
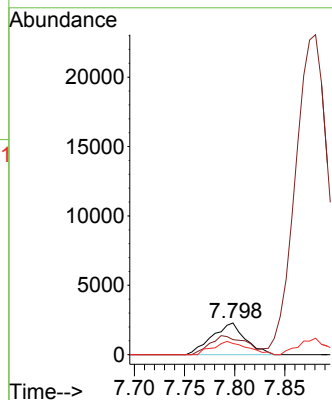
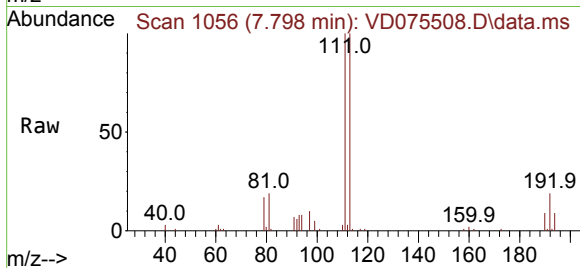
Tgt Ion: 97 Resp: 5248

Ion Ratio Lower Upper

97 100

99 63.4 50.5 75.7

61 42.7 36.6 55.0



#33

1,2-Dichloroethane-d4

Concen: 55.738 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075508.D

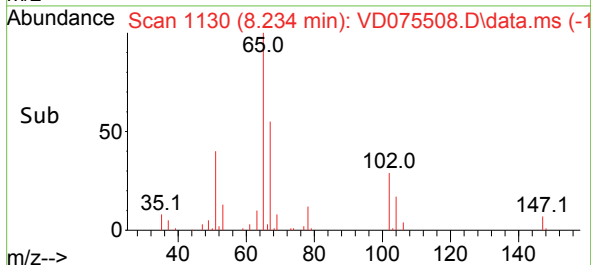
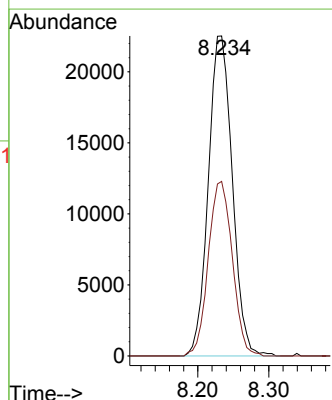
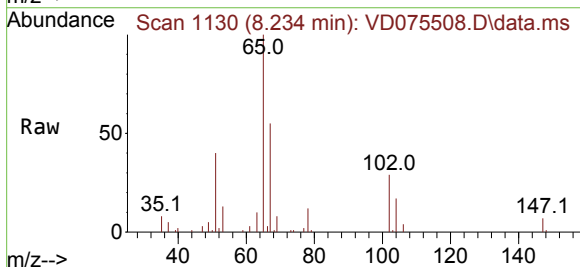
Acq: 13 Mar 2023 14:40

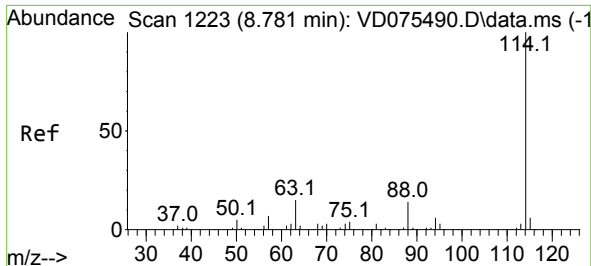
Tgt Ion: 65 Resp: 52819

Ion Ratio Lower Upper

65 100

67 54.6 0.0 102.2

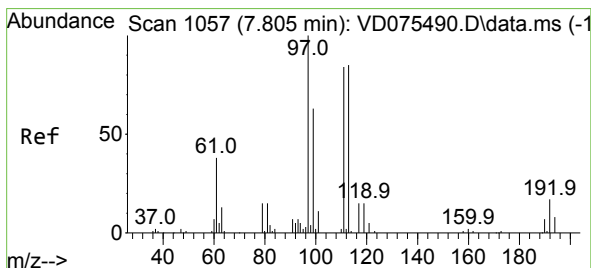
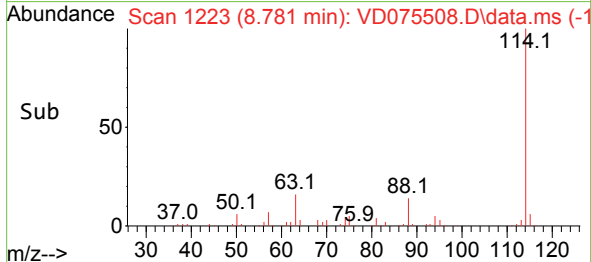
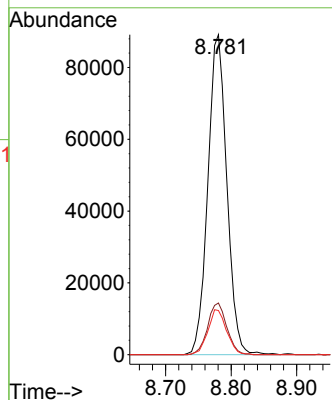
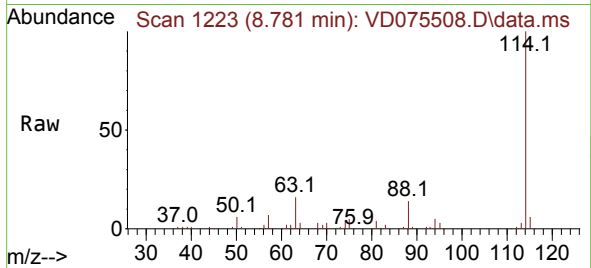




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

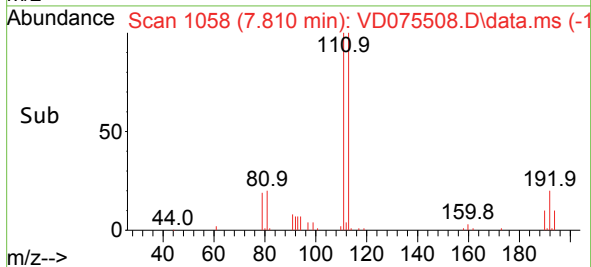
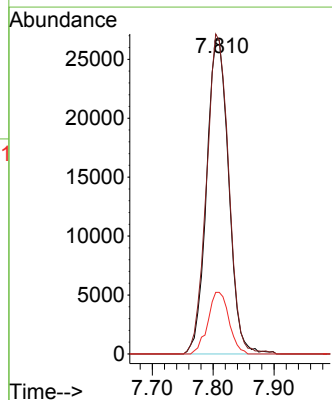
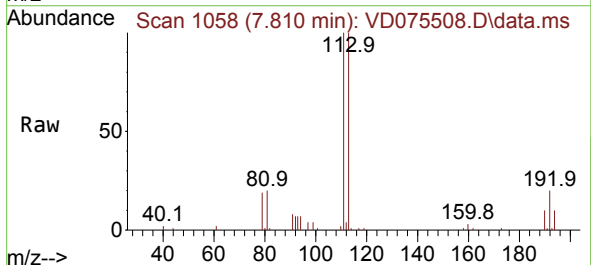
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

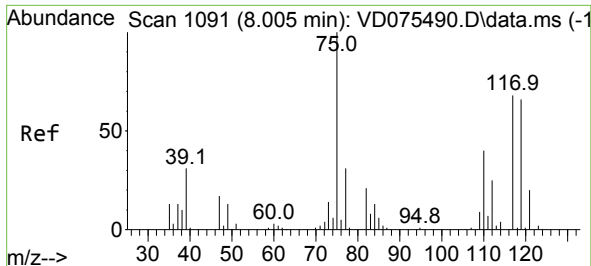
Tgt Ion:114 Resp: 179314  
Ion Ratio Lower Upper  
114 100  
63 16.2 0.0 41.6  
88 13.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.803 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:113 Resp: 67305  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.4 122.0  
192 18.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 2.386 ug/l

RT: 8.010 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

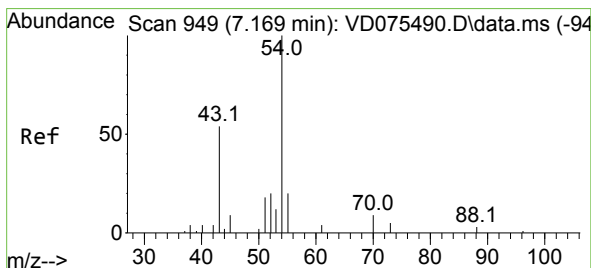
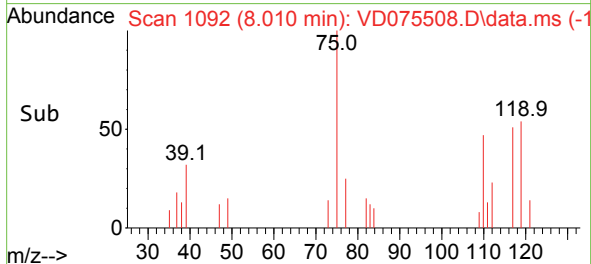
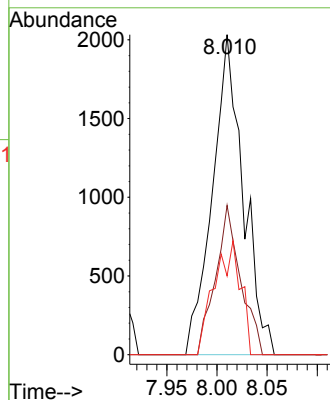
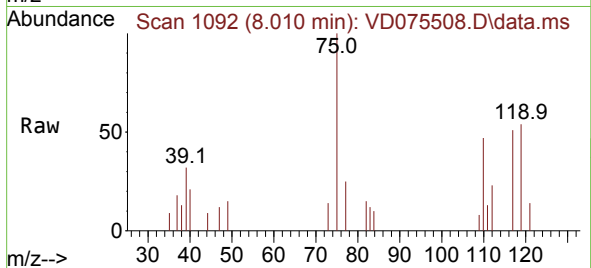
Tgt Ion: 75 Resp: 4342

Ion Ratio Lower Upper

75 100

110 38.2 17.1 51.2

77 30.4 24.6 36.8



#37

Ethyl Acetate

Concen: 2.448 ug/l

RT: 7.175 min Scan# 950

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

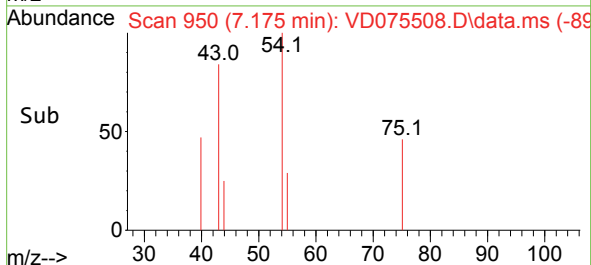
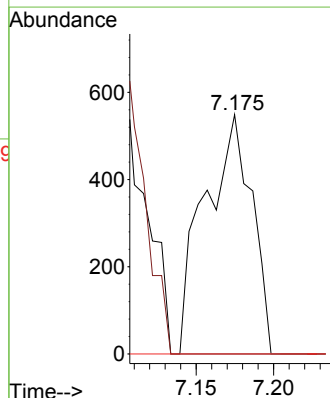
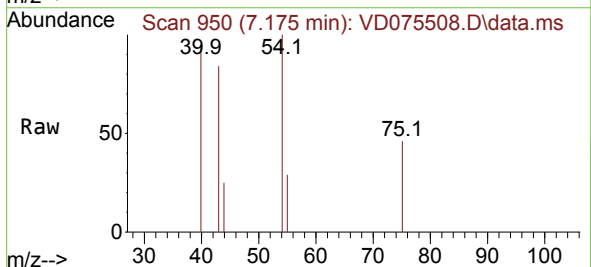
Tgt Ion: 43 Resp: 1161

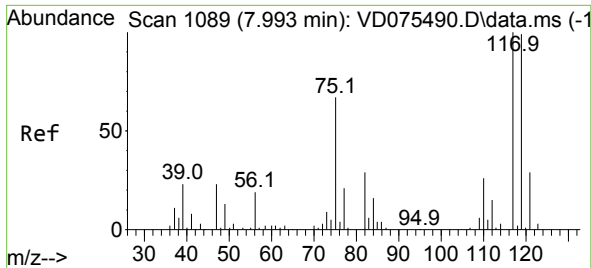
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#

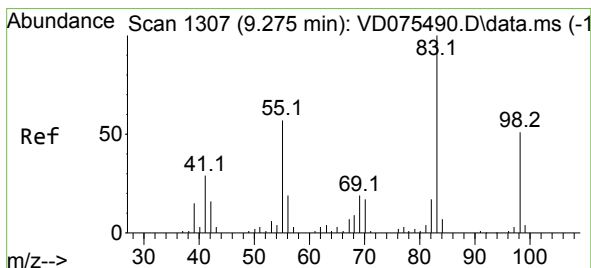
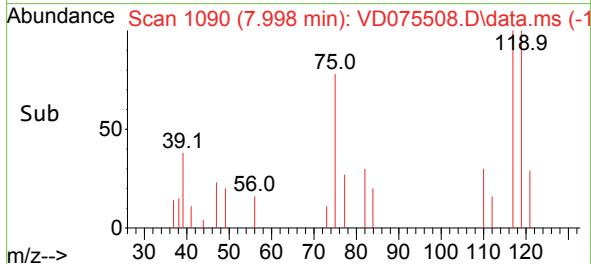
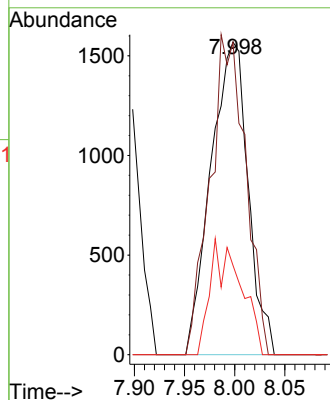
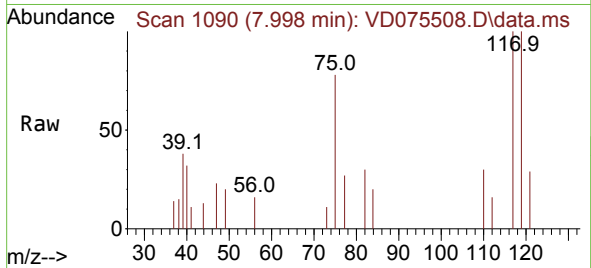




#38  
Carbon Tetrachloride  
Concen: 2.319 ug/l  
RT: 7.998 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

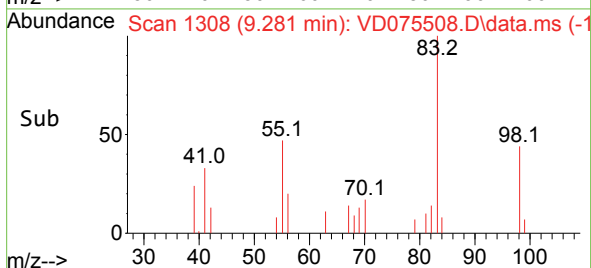
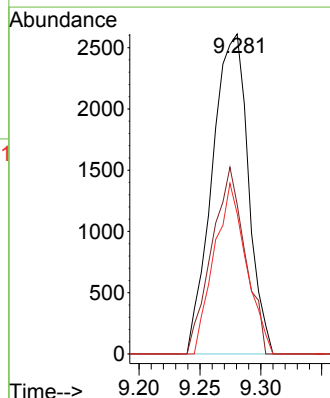
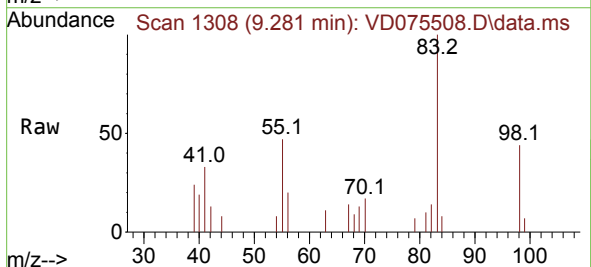
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

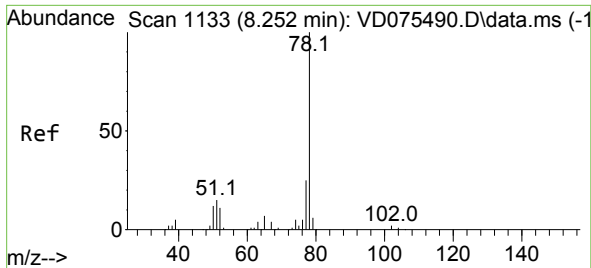
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4044  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.9  | 74.7  | 112.1 |
| 121      | 28.6  | 25.9  | 38.9  |



#39  
Methylcyclohexane  
Concen: 2.350 ug/l  
RT: 9.281 min Scan# 1308  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5393  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 46.7  | 56.8  | 85.2# |
| 98       | 43.9  | 38.9  | 58.3  |





#40

Benzene

Concen: 2.484 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

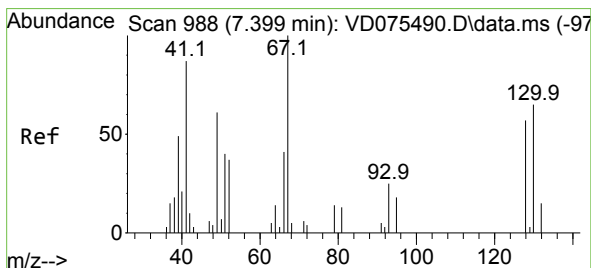
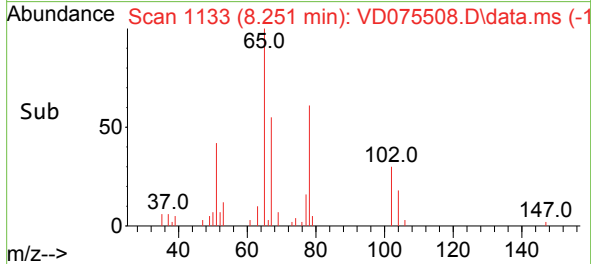
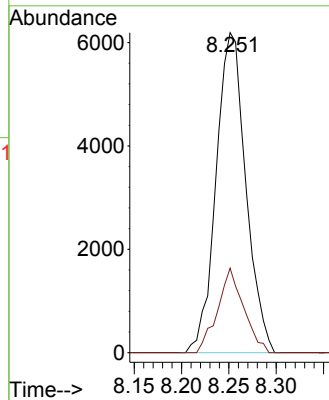
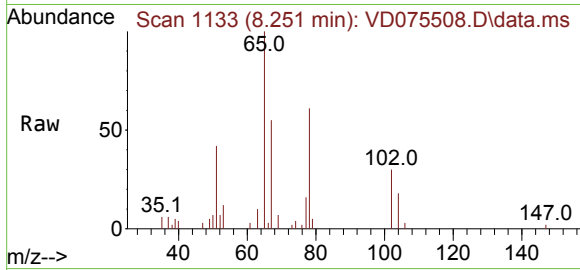
MDL-SOIL-03-QT1-2022

Tgt Ion: 78 Resp: 13550

Ion Ratio Lower Upper

78 100

77 26.4 19.1 28.7



#41

Methacrylonitrile

Concen: 1.437 ug/l

RT: 7.404 min Scan# 989

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion: 41 Resp: 359

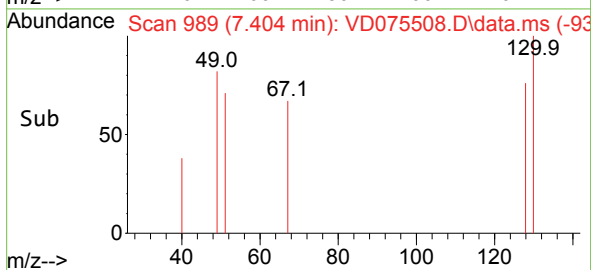
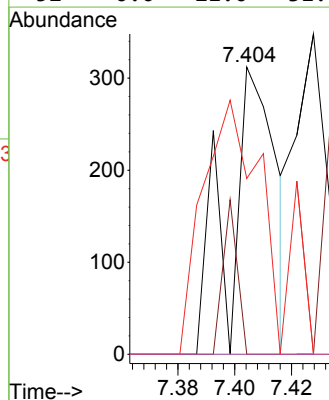
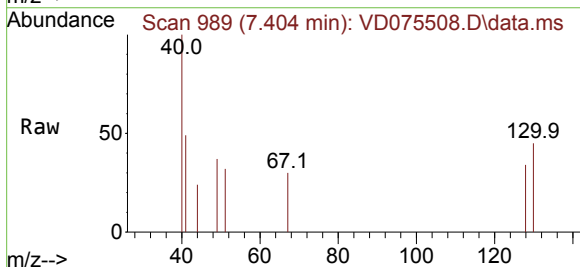
Ion Ratio Lower Upper

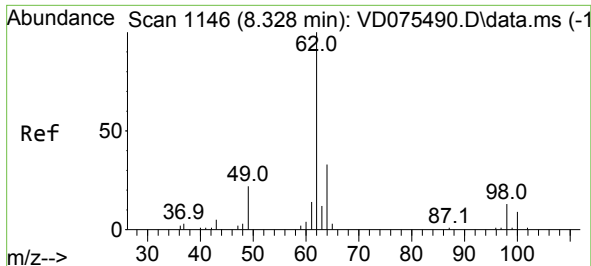
41 100

39 16.4 45.3 67.9#

67 122.8 50.5 75.7#

52 0.0 21.0 31.6#





#42

1,2-Dichloroethane

Concen: 2.664 ug/l

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

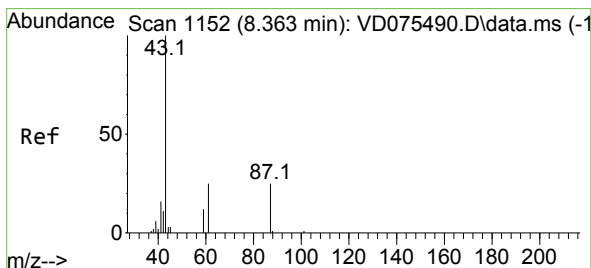
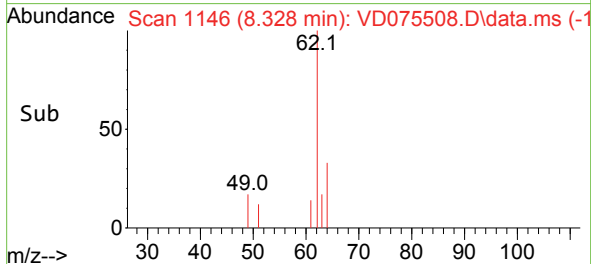
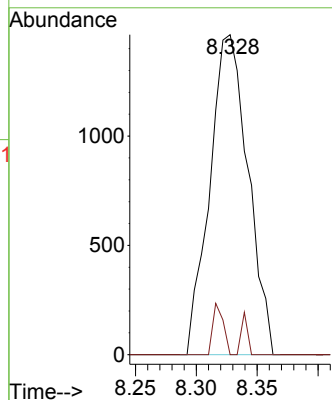
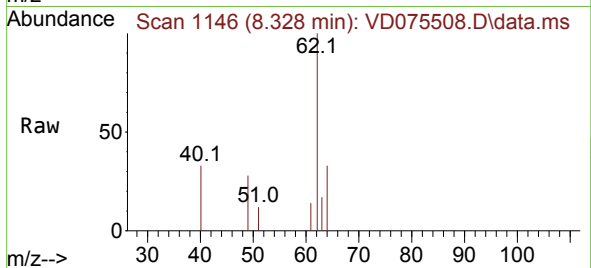
MDL-SOIL-03-QT1-2022

Tgt Ion: 62 Resp: 3199

Ion Ratio Lower Upper

62 100

98 2.1 0.0 18.8



#43

Isopropyl Acetate

Concen: 2.341 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

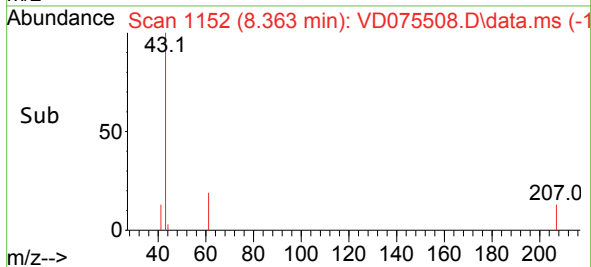
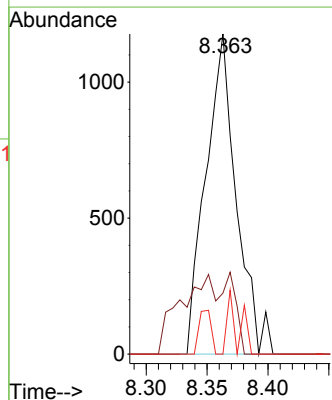
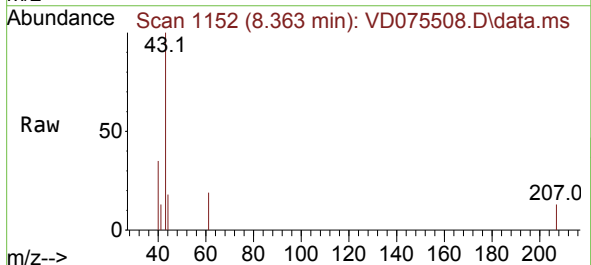
Tgt Ion: 43 Resp: 2054

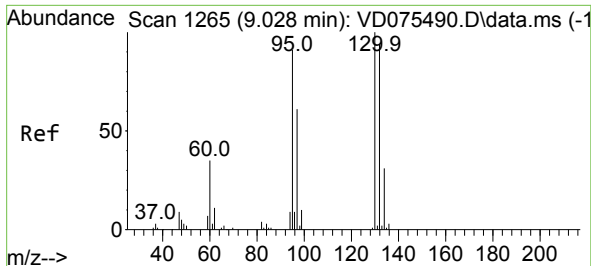
Ion Ratio Lower Upper

43 100

61 0.0 23.4 35.0#

87 7.1 9.5 14.3#

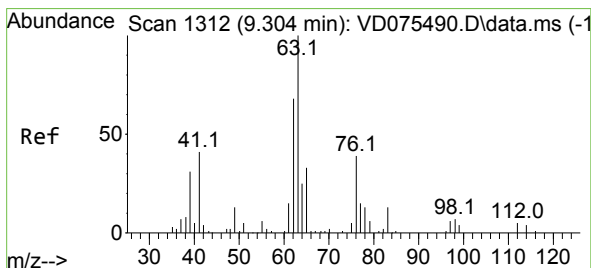
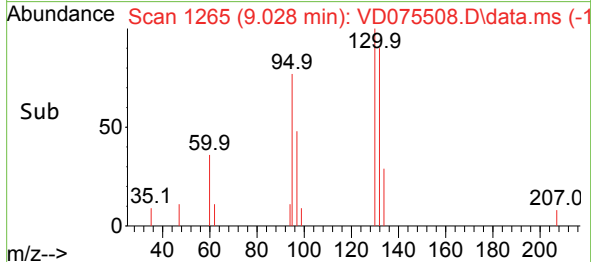
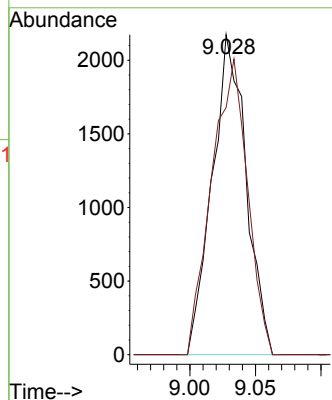
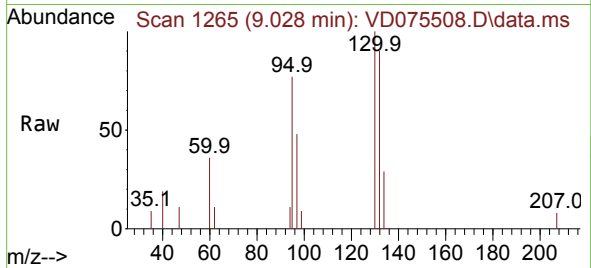




#44  
Trichloroethene  
Concen: 2.434 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

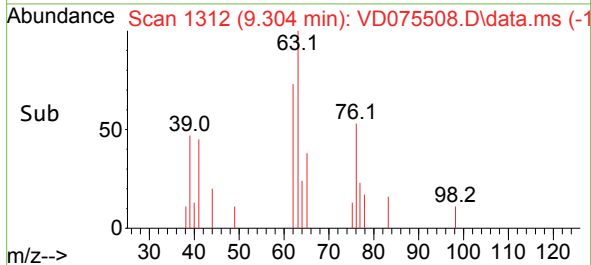
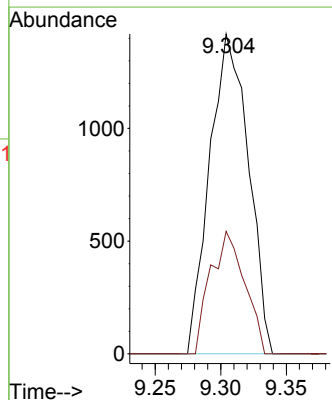
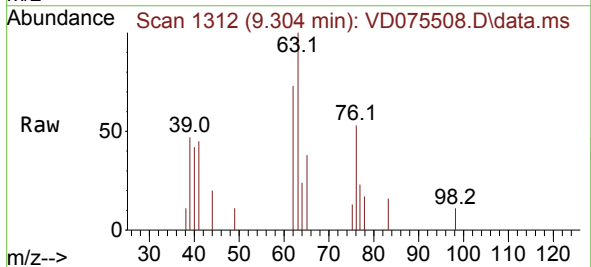
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MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

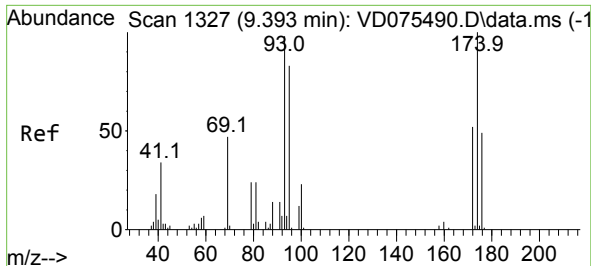
Tgt Ion:130 Resp: 3901  
Ion Ratio Lower Upper  
130 100  
95 77.3 0.0 197.6



#45  
1,2-Dichloropropane  
Concen: 2.486 ug/l  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 63 Resp: 2915  
Ion Ratio Lower Upper  
63 100  
65 38.3 23.0 34.4#

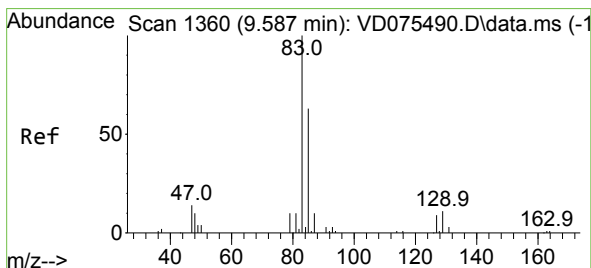
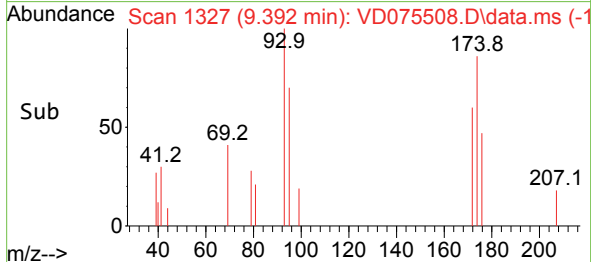
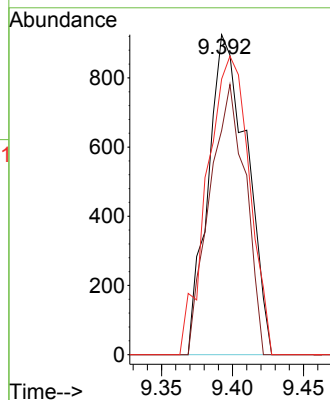
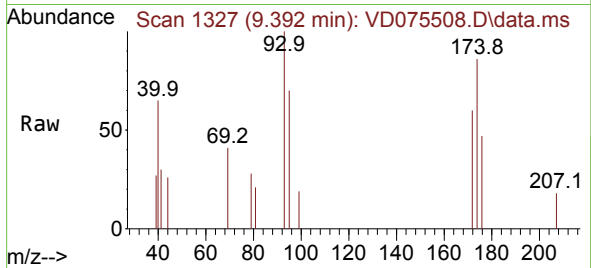




#46  
Dibromomethane  
Concen: 2.435 ug/l  
RT: 9.392 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

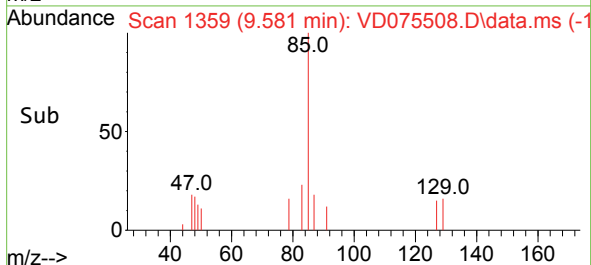
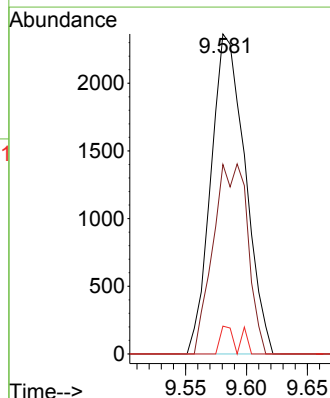
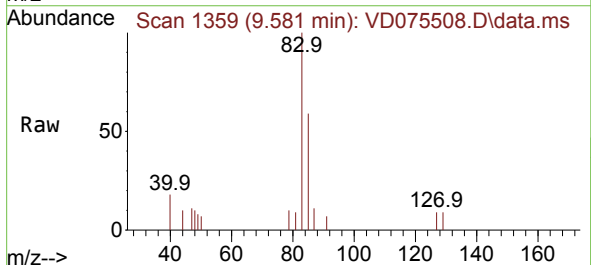
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

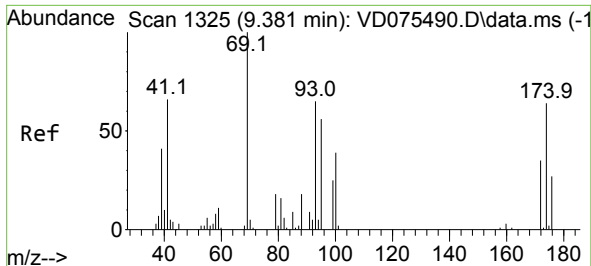
Tgt Ion: 93 Resp: 1760  
Ion Ratio Lower Upper  
93 100  
95 77.9 64.5 96.7  
174 101.4 76.2 114.4



#47  
Bromodichloromethane  
Concen: 2.634 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 83 Resp: 4610  
Ion Ratio Lower Upper  
83 100  
85 59.2 53.7 80.5  
127 8.7 7.0 10.6





#48

Methyl methacrylate

Concen: 1.919 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

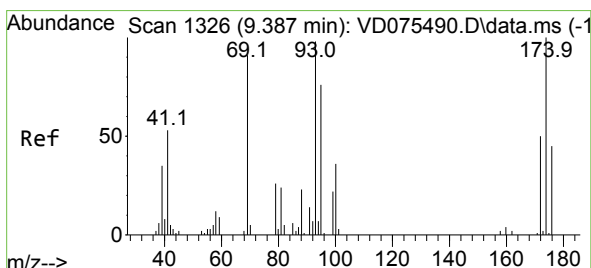
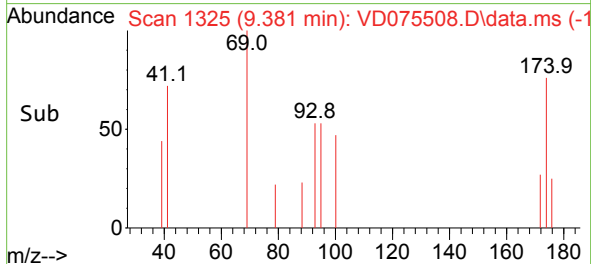
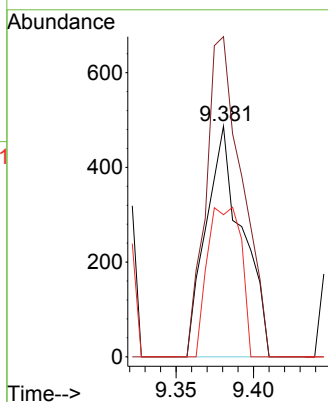
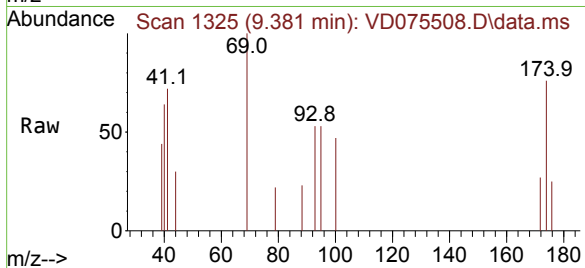
Tgt Ion: 41 Resp: 791

Ion Ratio Lower Upper

41 100

69 138.3 58.6 88.0#

39 60.7 53.4 80.0



#49

1,4-Dioxane

Concen: 18.305 ug/l

RT: 9.369 min Scan# 1323

Delta R.T. -0.018 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

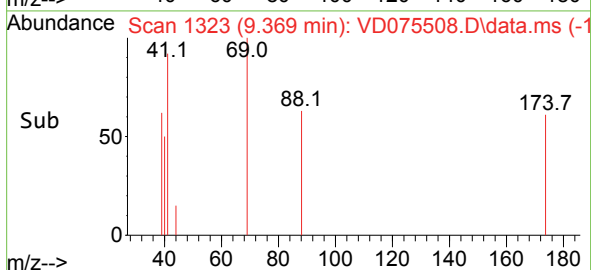
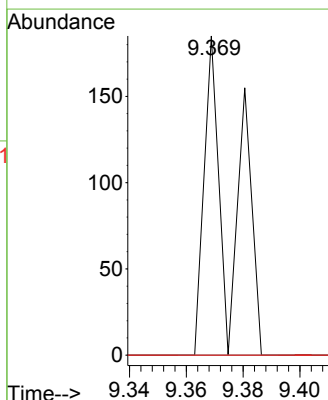
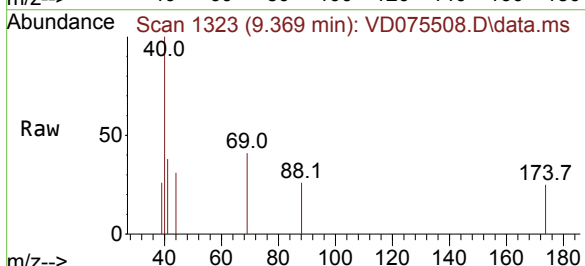
Tgt Ion: 88 Resp: 120

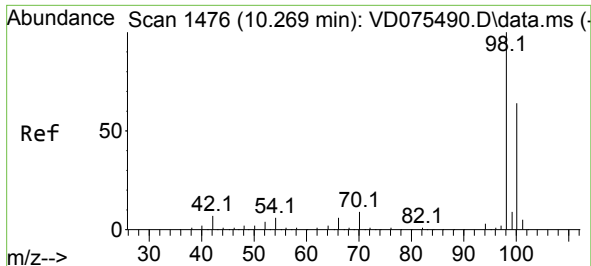
Ion Ratio Lower Upper

88 100

43 0.0 34.6 51.8#

58 0.0 58.0 87.0#

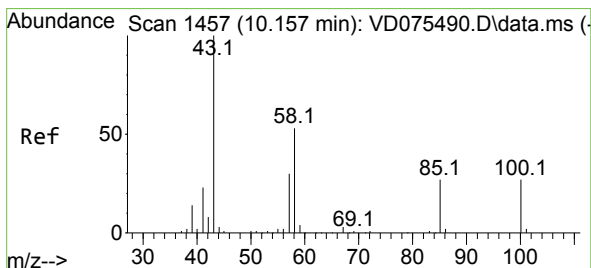
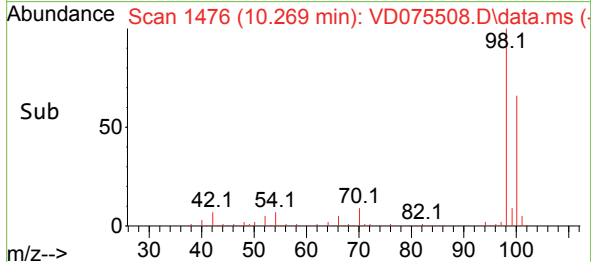
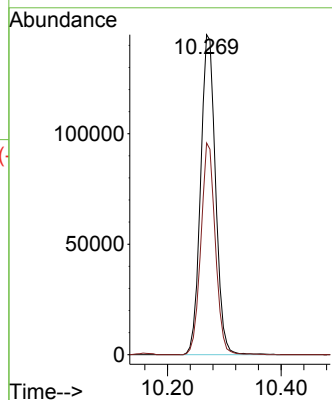
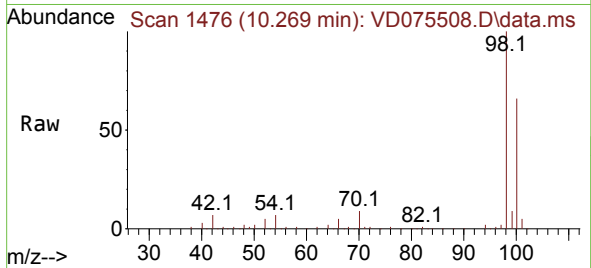




#50  
Toluene-d8  
Concen: 54.377 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

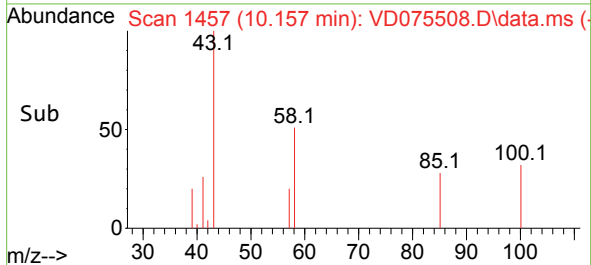
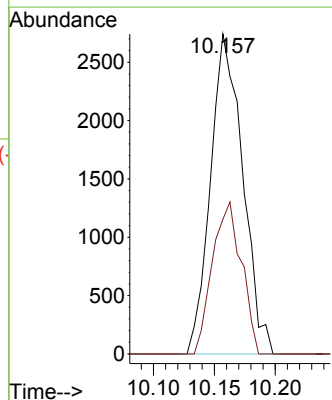
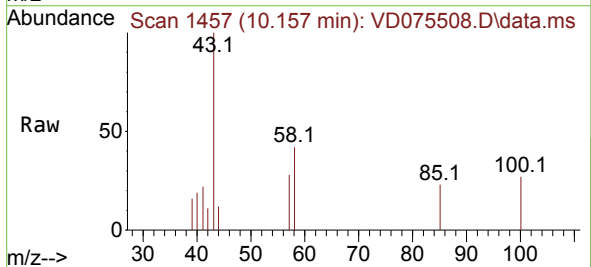
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

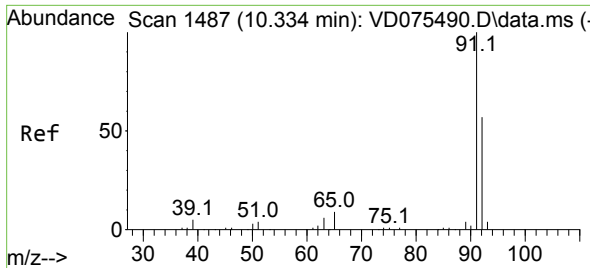
Tgt Ion: 98 Resp: 263819  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 11.051 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 43 Resp: 5043  
Ion Ratio Lower Upper  
43 100  
58 42.8 29.5 44.3





#52

Toluene

Concen: 2.511 ug/l

RT: 10.339 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

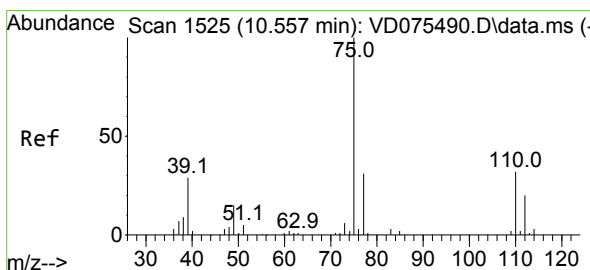
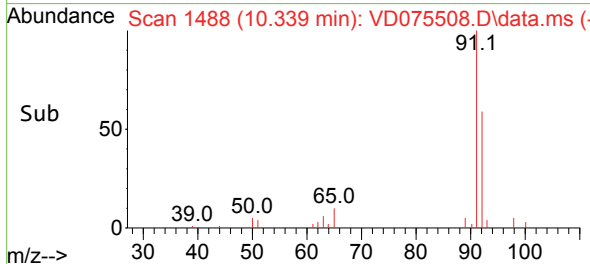
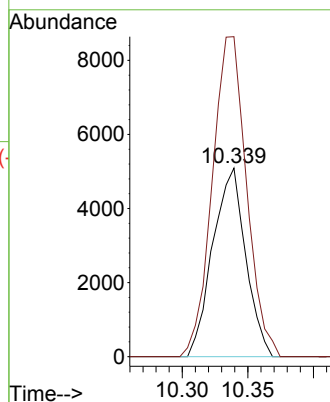
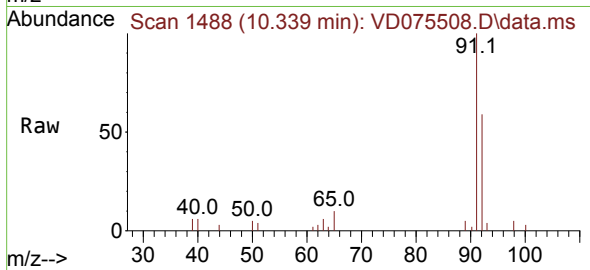
MDL-SOIL-03-QT1-2022

Tgt Ion: 92 Resp: 8874

Ion Ratio Lower Upper

92 100

91 176.8 136.5 204.7



#53

t-1,3-Dichloropropene

Concen: 2.420 ug/l

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD075508.D

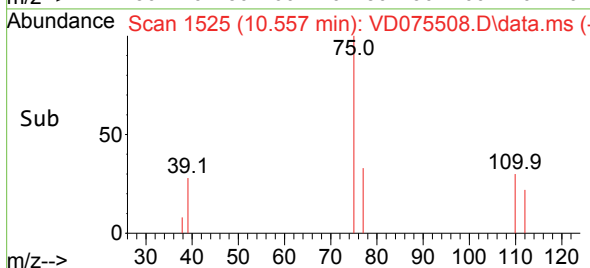
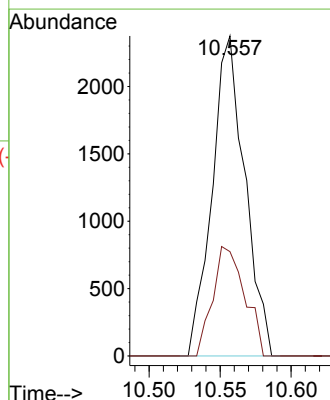
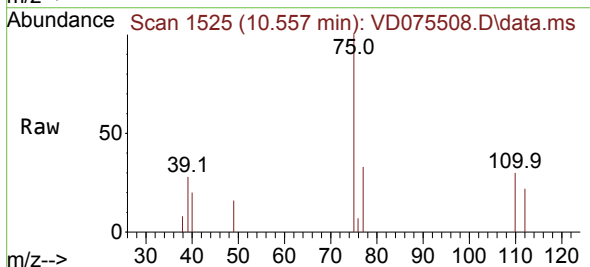
Acq: 13 Mar 2023 14:40

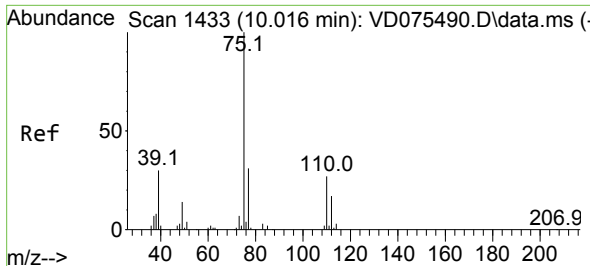
Tgt Ion: 75 Resp: 3810

Ion Ratio Lower Upper

75 100

77 32.6 26.3 39.5

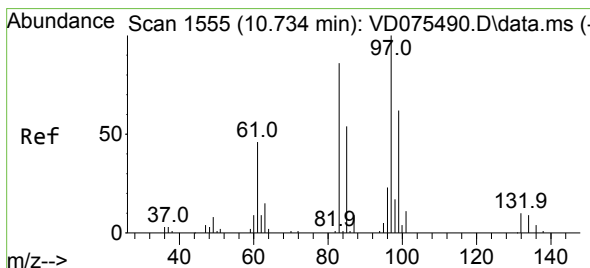
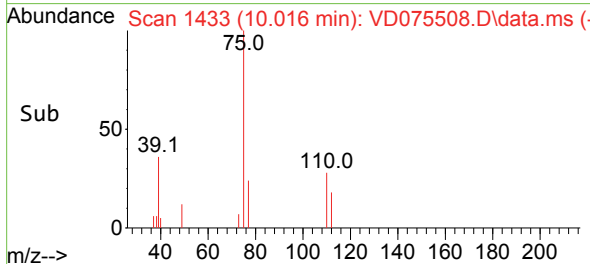
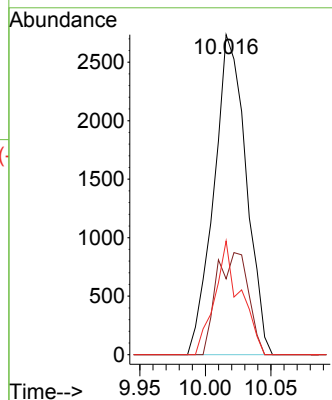
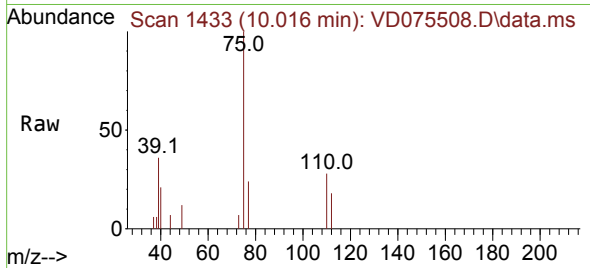




#54  
cis-1,3-Dichloropropene  
Concen: 2.413 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

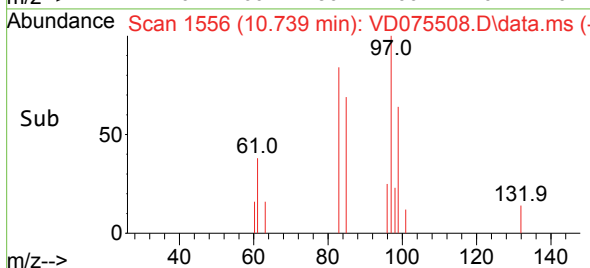
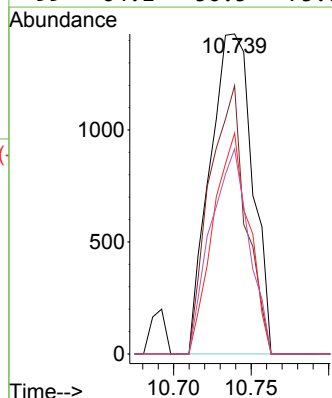
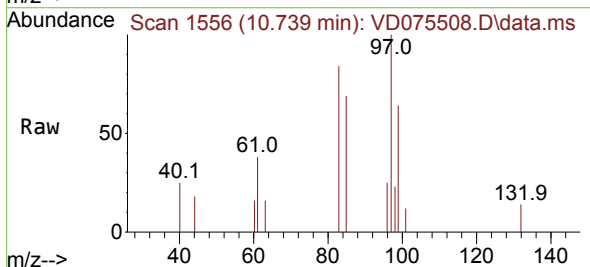
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

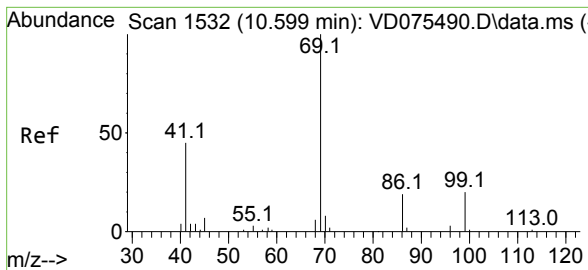
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4665  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 23.7  | 25.6  | 38.4# |
| 39       | 35.6  | 44.8  | 67.2# |



#55  
1,1,2-Trichloroethane  
Concen: 2.666 ug/l  
RT: 10.739 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2727  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.8  | 74.2  | 111.4 |
| 85       | 69.0  | 45.4  | 68.0# |
| 99       | 64.1  | 50.5  | 75.7  |





#56

Ethyl methacrylate

Concen: 2.280 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

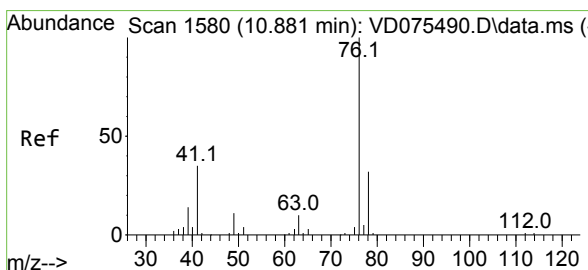
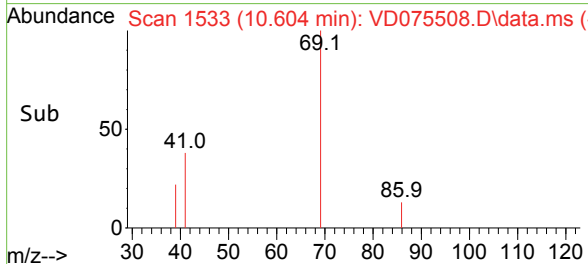
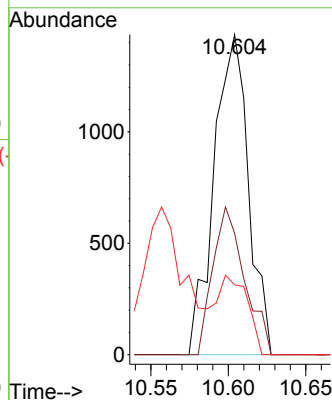
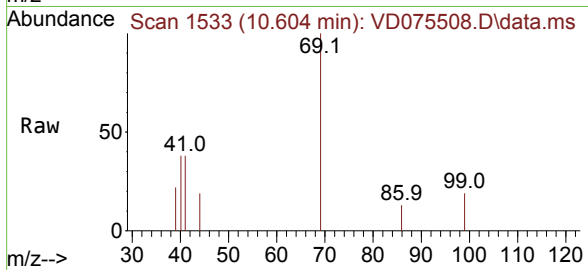
Tgt Ion: 69 Resp: 2221

Ion Ratio Lower Upper

69 100

41 42.6 59.3 88.9#

39 21.9 36.0 54.0#



#57

1,3-Dichloropropane

Concen: 2.492 ug/l

RT: 10.880 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075508.D

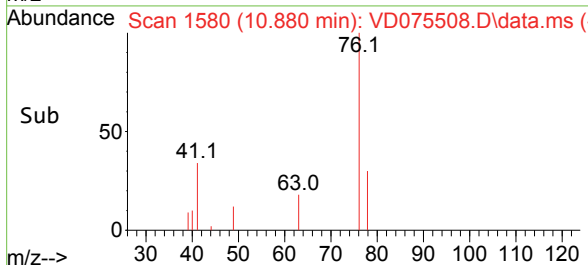
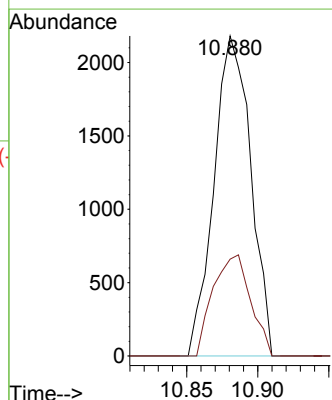
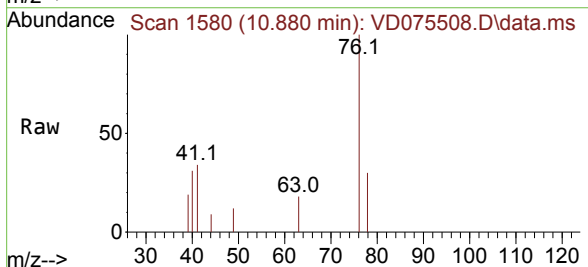
Acq: 13 Mar 2023 14:40

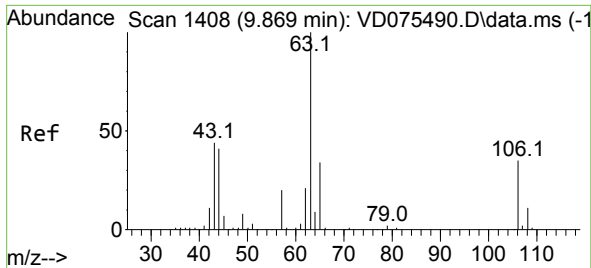
Tgt Ion: 76 Resp: 3924

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4





#58

2-Chloroethyl Vinyl ether

Concen: 9.968 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

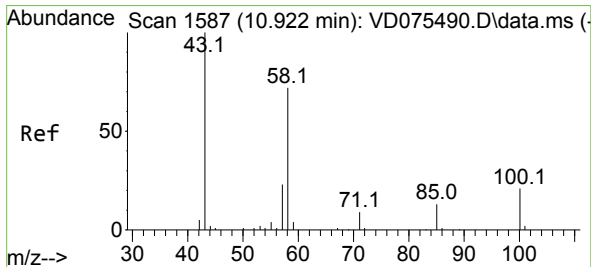
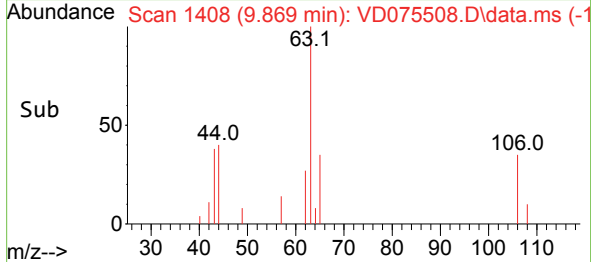
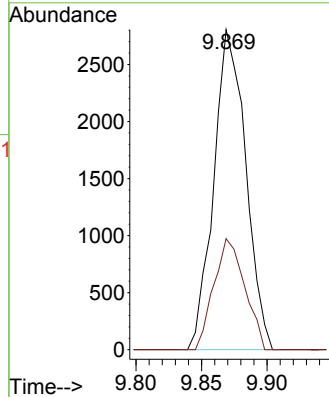
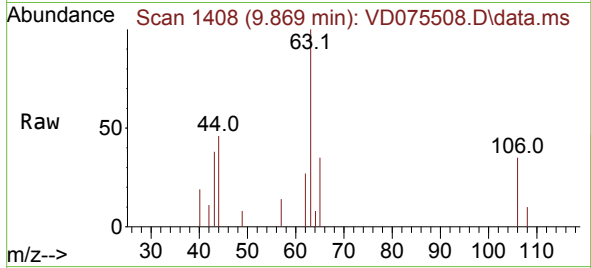
MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 4752

Ion Ratio Lower Upper

63 100

106 33.6 21.4 32.2#



#59

2-Hexanone

Concen: 10.625 ug/l

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD075508.D

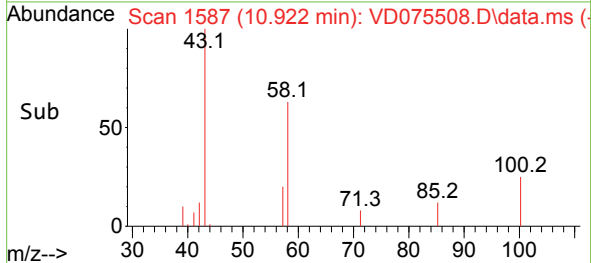
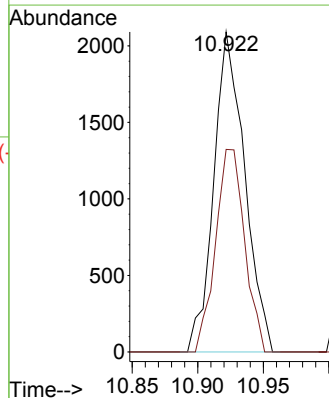
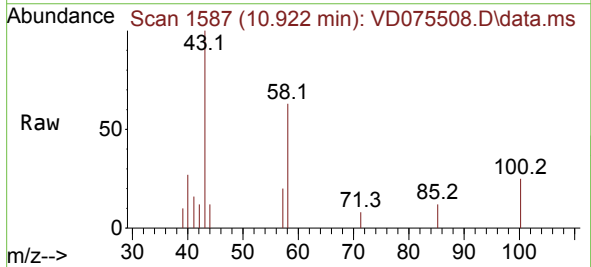
Acq: 13 Mar 2023 14:40

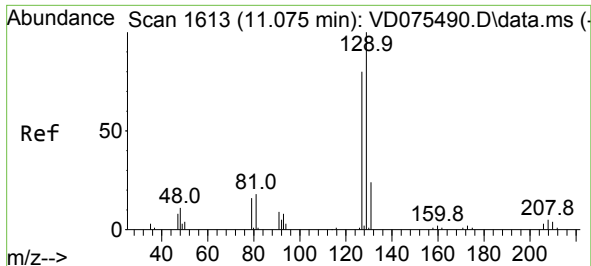
Tgt Ion: 43 Resp: 3429

Ion Ratio Lower Upper

43 100

58 59.4 25.3 75.8

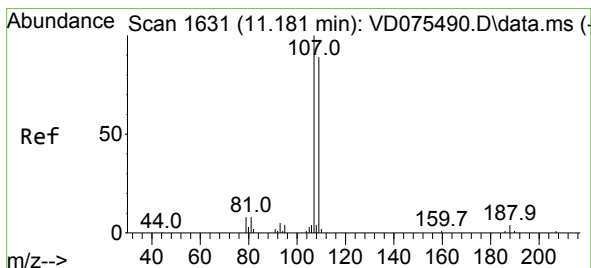
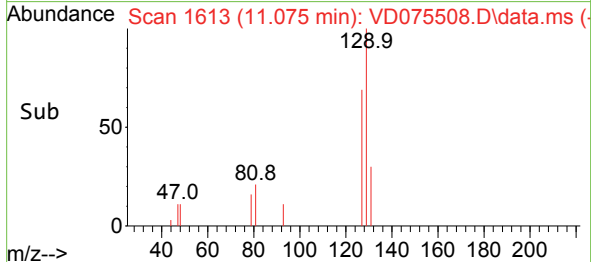
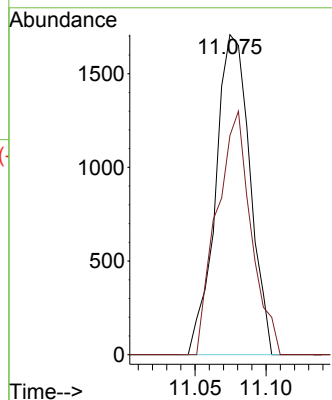
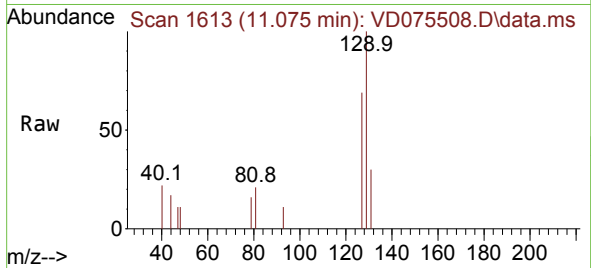




#60  
Dibromochloromethane  
Concen: 2.374 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

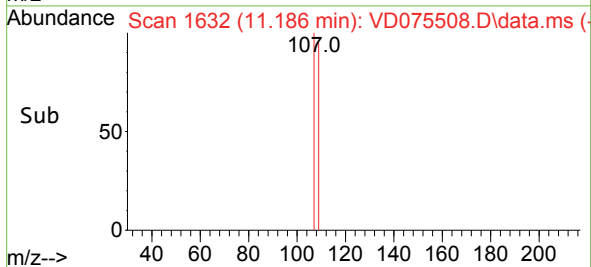
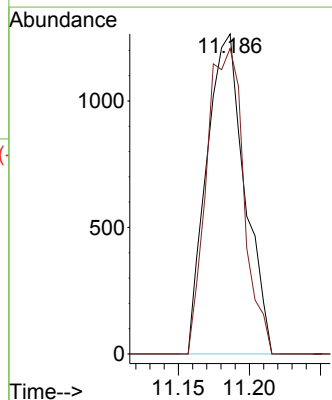
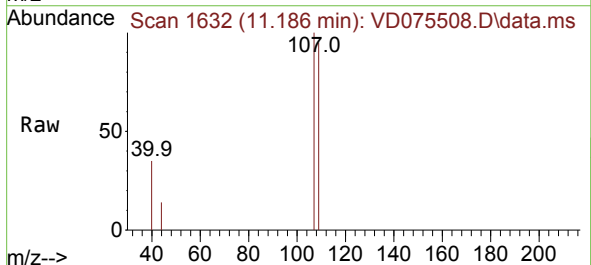
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

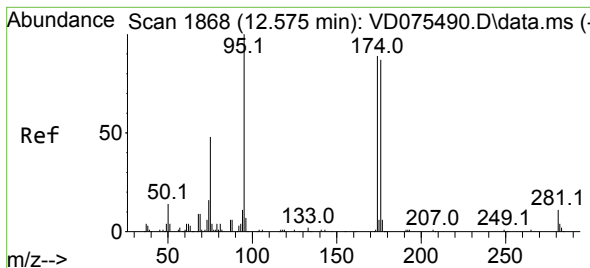
Tgt Ion:129 Resp: 2870  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.1 114.5



#61  
1,2-Dibromoethane  
Concen: 2.443 ug/l  
RT: 11.186 min Scan# 1632  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:107 Resp: 2354  
Ion Ratio Lower Upper  
107 100  
109 93.3 73.6 110.4

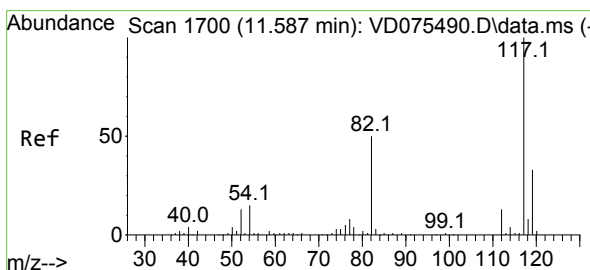
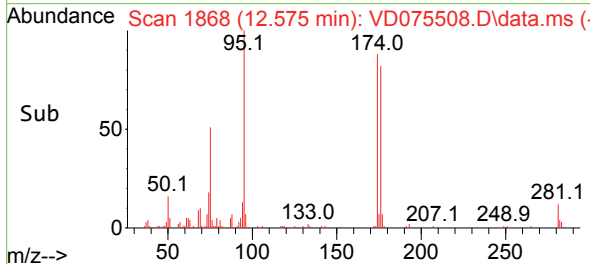
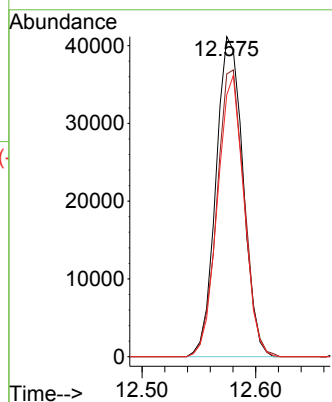
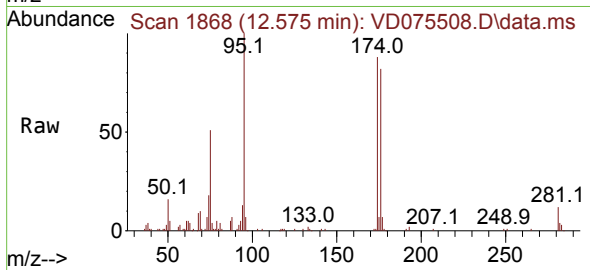




#62  
4-Bromofluorobenzene  
Concen: 48.611 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

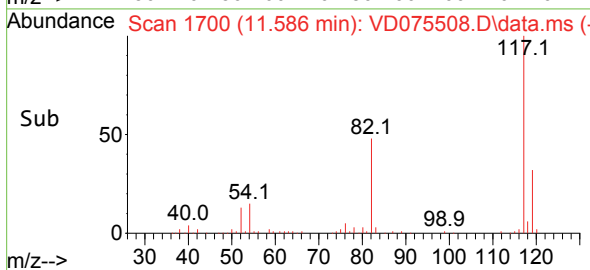
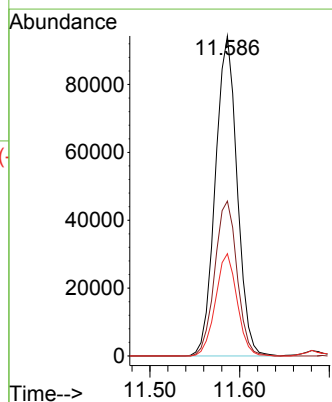
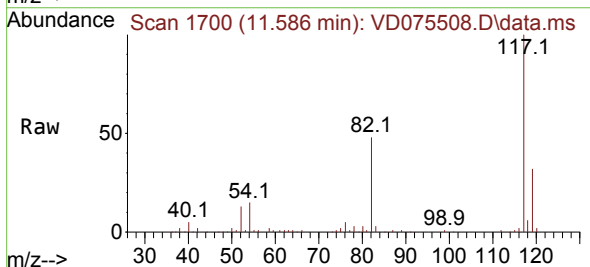
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

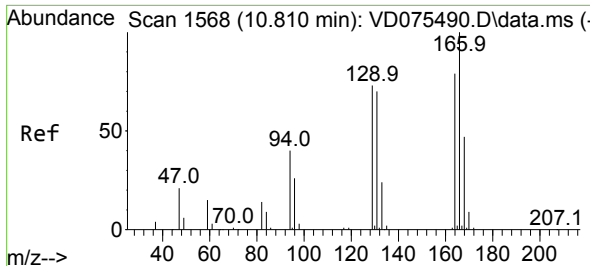
Tgt Ion: 95 Resp: 68178  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 164.0  
176 85.8 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.586 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 117 Resp: 159096  
Ion Ratio Lower Upper  
117 100  
82 48.4 44.0 66.0  
119 32.0 25.1 37.7

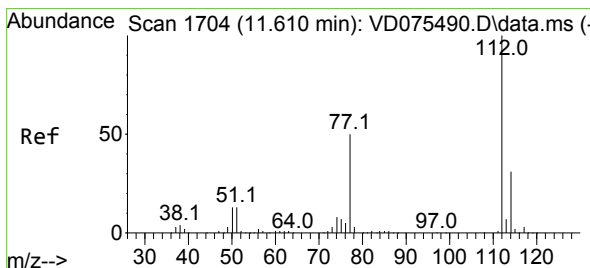
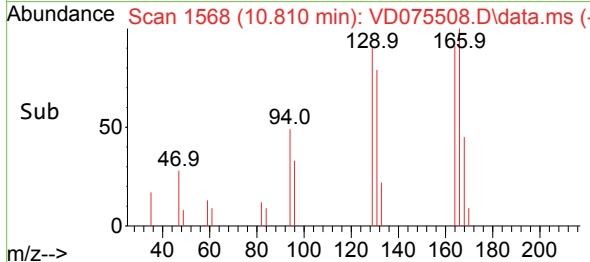
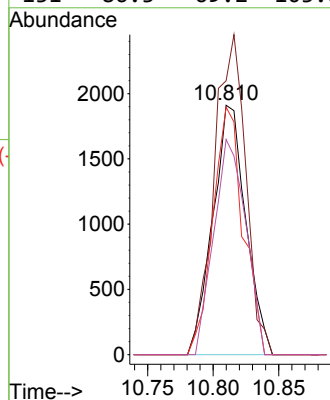
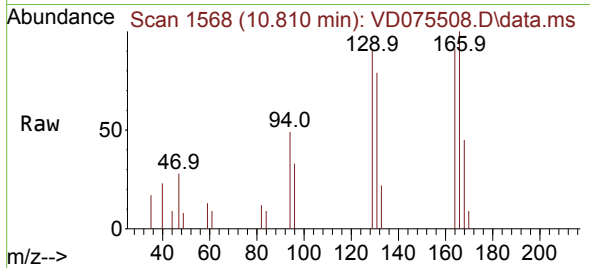




#64  
Tetrachloroethene  
Concen: 2.667 ug/l  
RT: 10.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

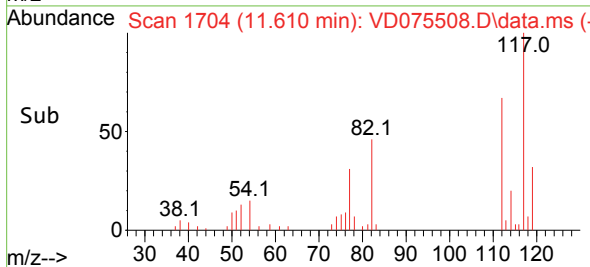
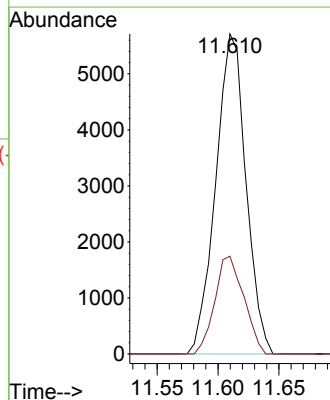
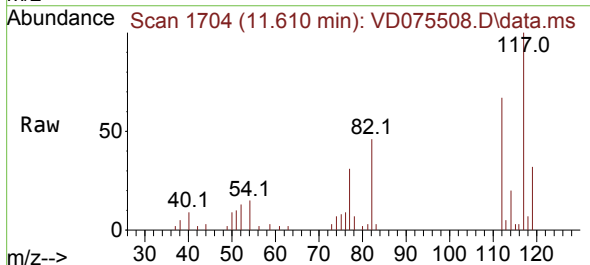
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

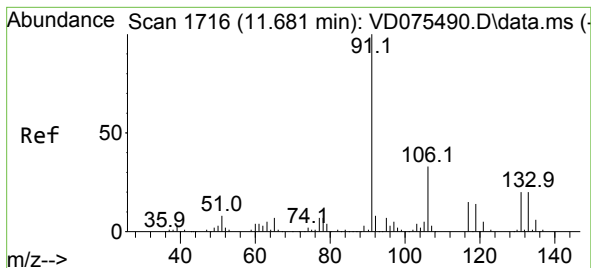
Tgt Ion:164 Resp: 3348  
Ion Ratio Lower Upper  
164 100  
166 109.8 94.9 142.3  
129 99.3 73.0 109.6  
131 86.3 69.2 103.8



#65  
Chlorobenzene  
Concen: 2.616 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:112 Resp: 9870  
Ion Ratio Lower Upper  
112 100  
114 30.6 25.8 38.8

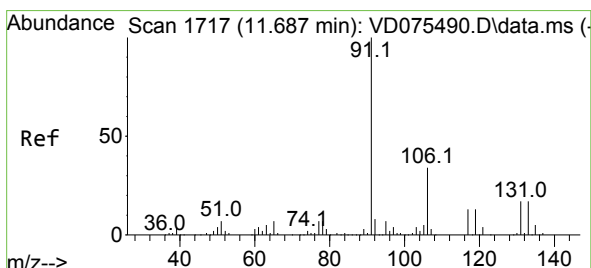
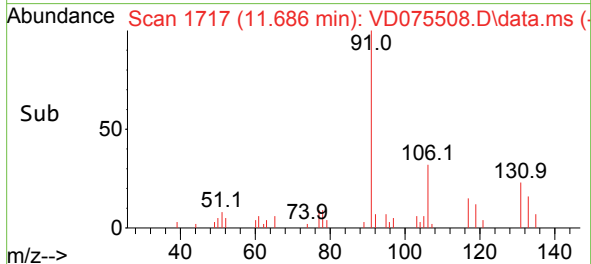
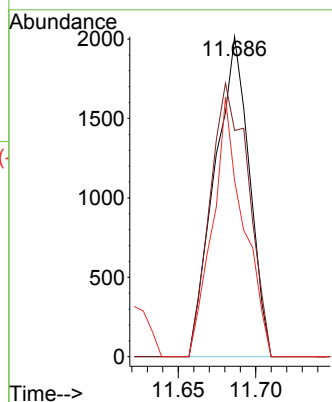
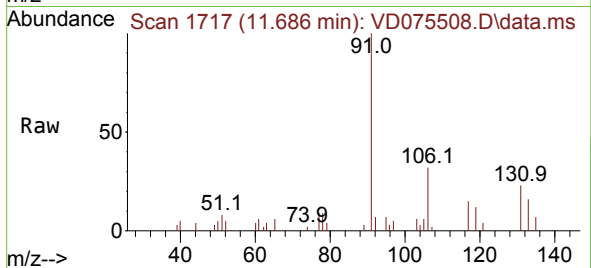




#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.415 ug/l  
RT: 11.686 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

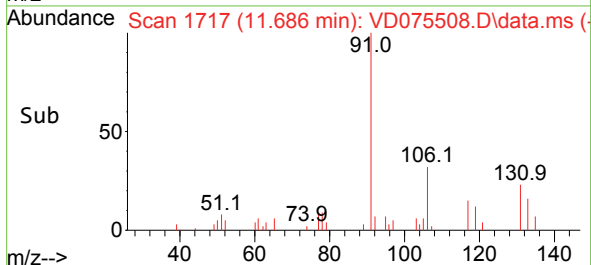
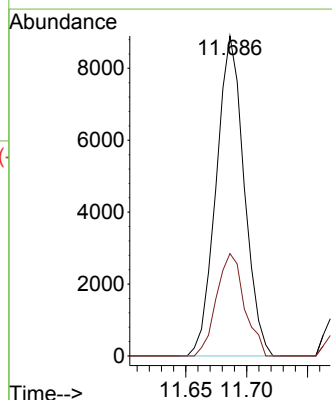
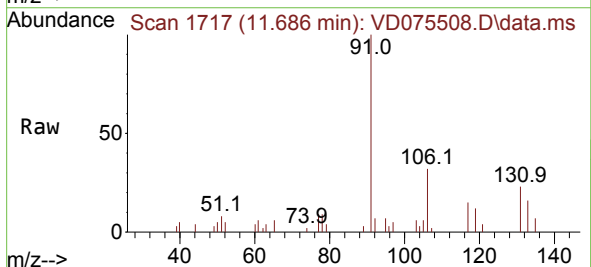
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

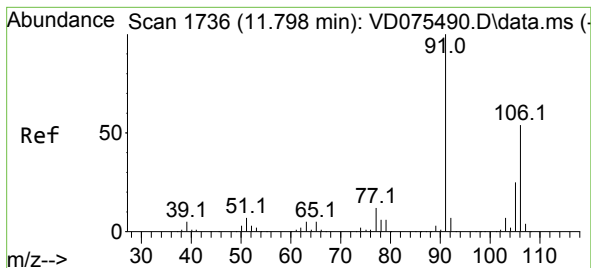
Tgt Ion:131 Resp: 3122  
Ion Ratio Lower Upper  
131 100  
133 94.6 46.7 140.0  
119 72.2 31.9 95.9



#67  
Ethyl Benzene  
Concen: 2.190 ug/l  
RT: 11.686 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 91 Resp: 14228  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.5 36.7

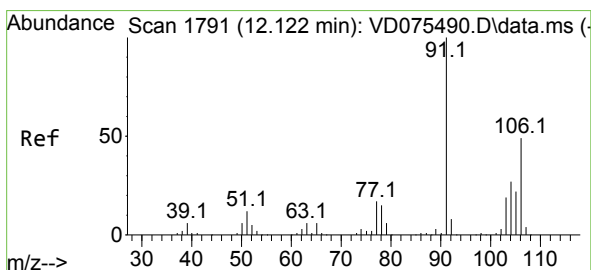
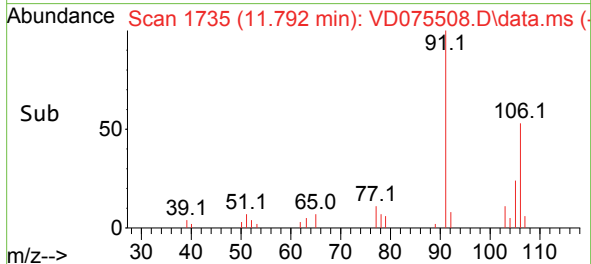
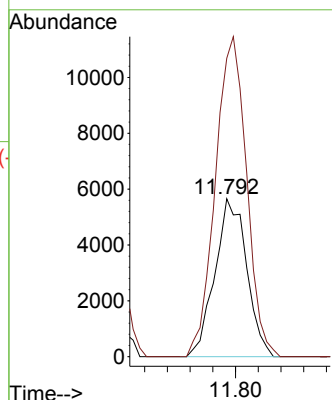
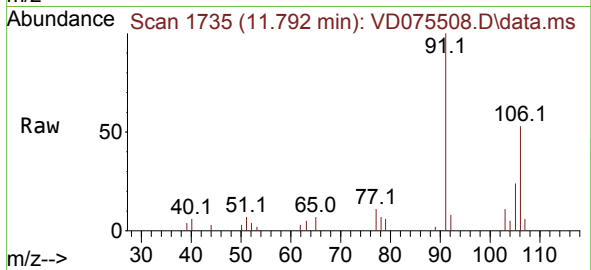




#68  
m/p-Xylenes  
Concen: 4.200 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

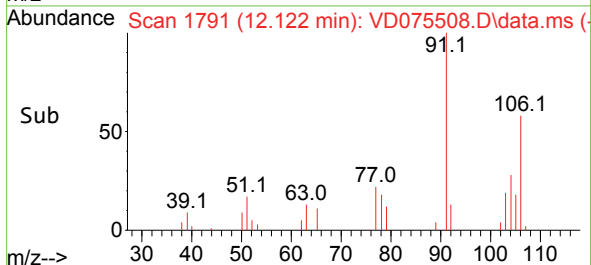
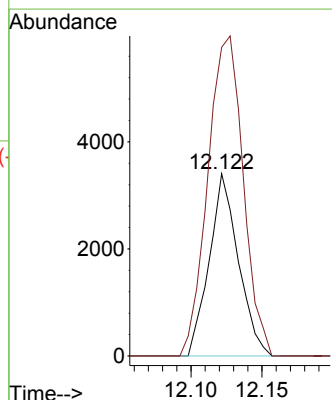
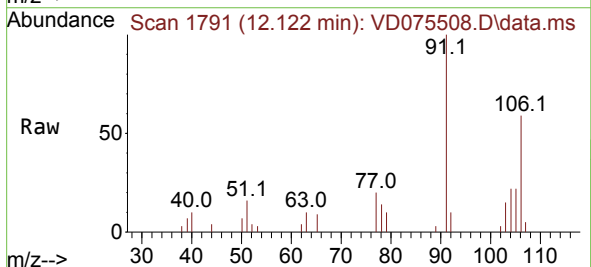
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

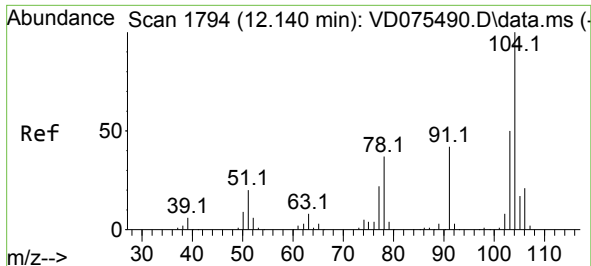
Tgt Ion:106 Resp: 10970  
Ion Ratio Lower Upper  
106 100  
91 199.1 161.5 242.3



#69  
o-Xylene  
Concen: 1.998 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:106 Resp: 4847  
Ion Ratio Lower Upper  
106 100  
91 213.6 105.7 317.1

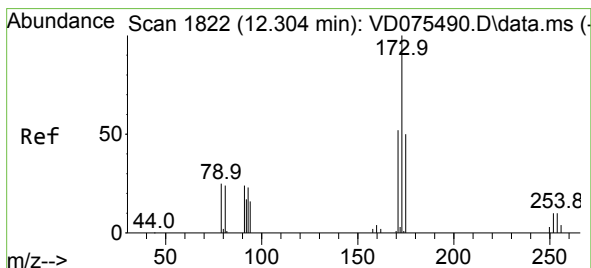
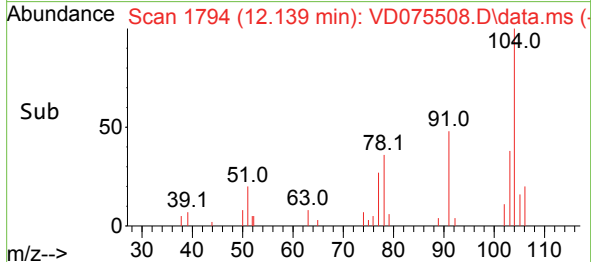
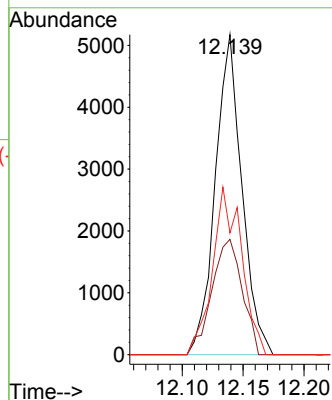
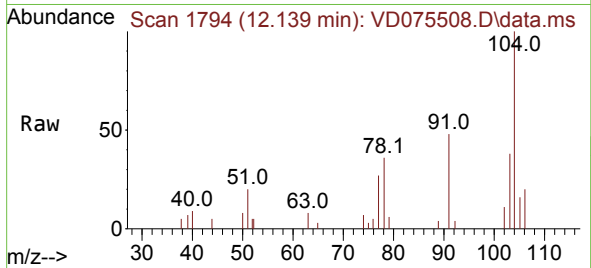




#70  
Styrene  
Concen: 1.952 ug/l  
RT: 12.139 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

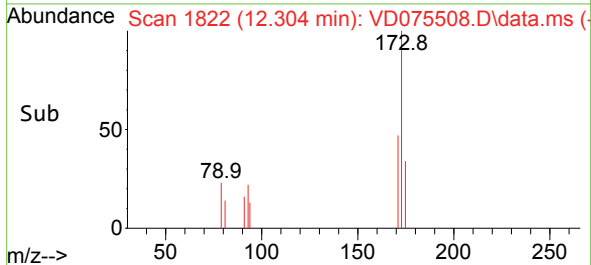
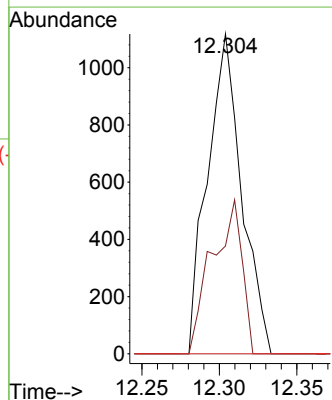
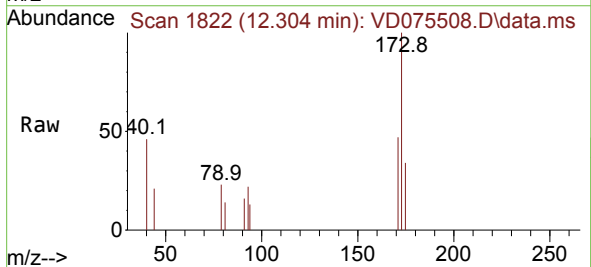
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

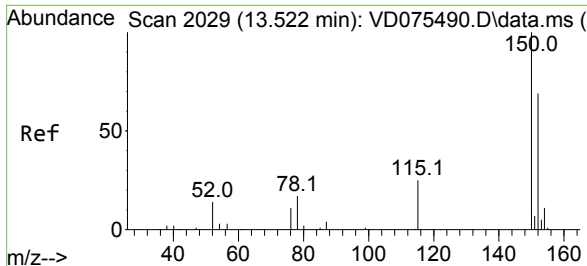
Tgt Ion:104 Resp: 7876  
Ion Ratio Lower Upper  
104 100  
78 41.3 40.2 60.4  
103 57.0 44.2 66.2



#71  
Bromoform  
Concen: 2.591 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:173 Resp: 1710  
Ion Ratio Lower Upper  
173 100  
175 42.4 23.5 70.5  
254 0.0 0.0 0.0

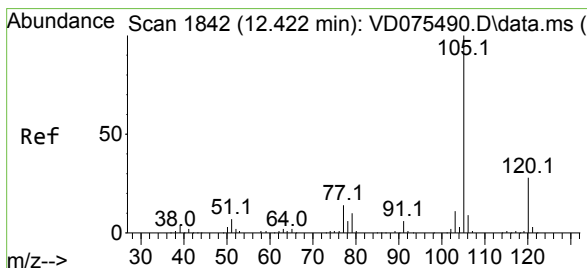
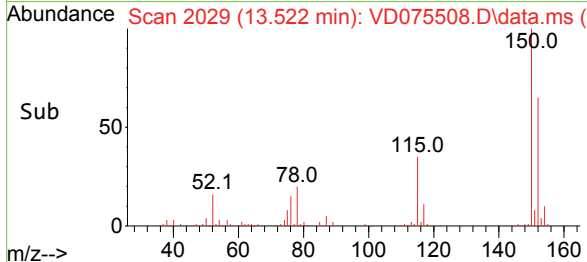
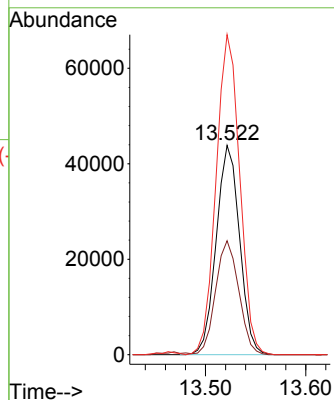
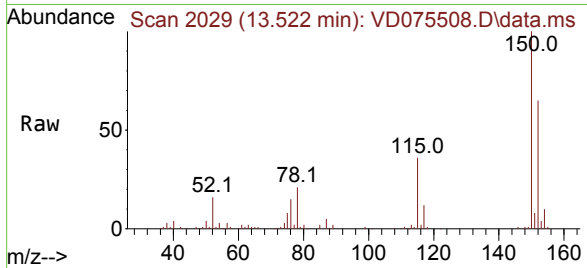




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

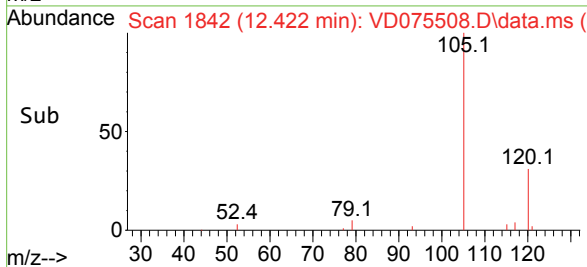
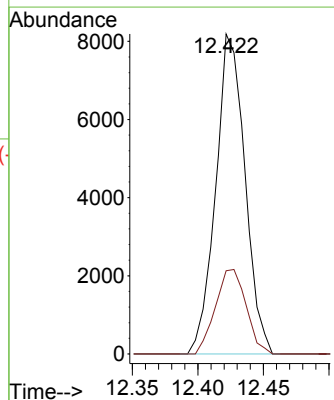
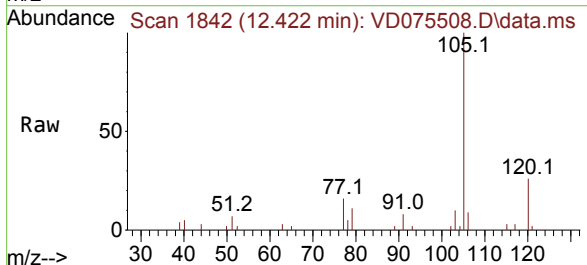
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

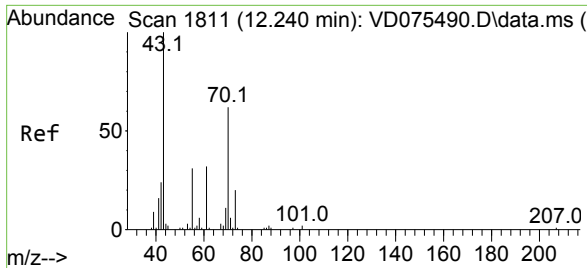
Tgt Ion:152 Resp: 70897  
Ion Ratio Lower Upper  
152 100  
115 53.9 30.1 90.3  
150 154.5 0.0 364.8



#73  
Isopropylbenzene  
Concen: 2.234 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:105 Resp: 12685  
Ion Ratio Lower Upper  
105 100  
120 27.7 13.4 40.1

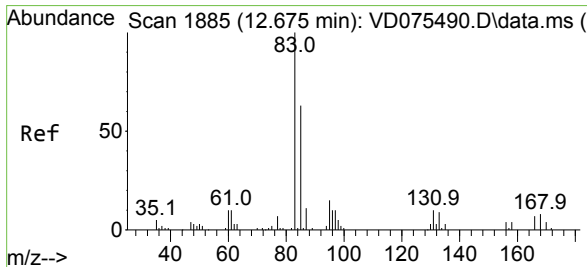
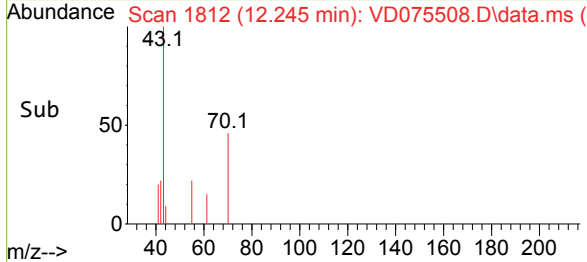
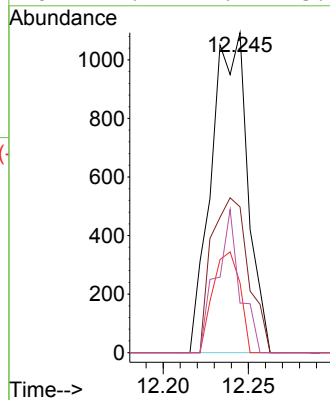
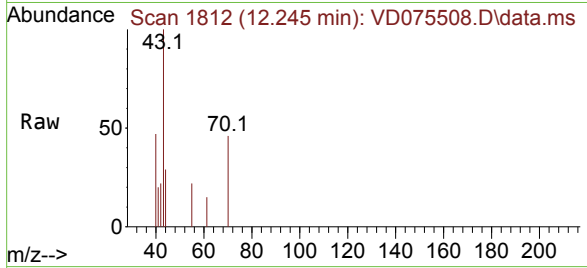




#74  
N-amy1 acetate  
Concen: 2.293 ug/l  
RT: 12.245 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

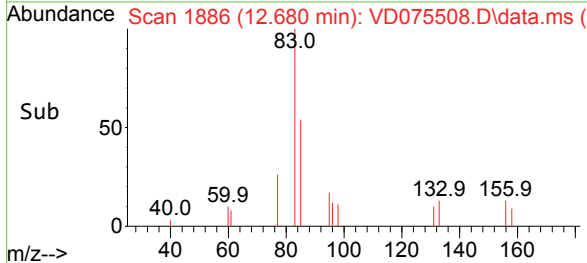
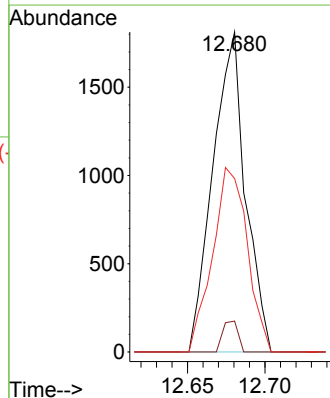
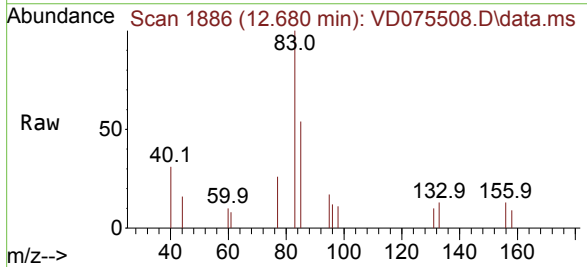
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

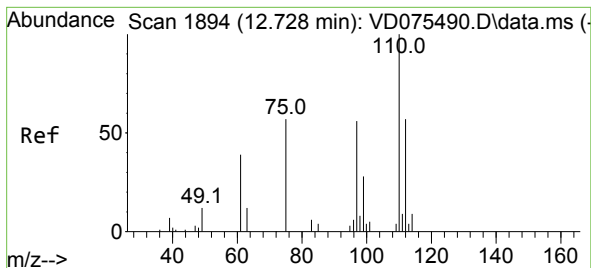
|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 1613      |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 70          | 49.3 31.0 46.4# |
| 55          | 23.6 18.6 28.0  |
| 61          | 29.2 17.1 25.7# |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.748 ug/l  
RT: 12.680 min Scan# 1886  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|             |                 |
|-------------|-----------------|
| Tgt Ion: 83 | Resp: 2646      |
| Ion Ratio   | Lower Upper     |
| 83          | 100             |
| 131         | 4.5 5.1 15.2#   |
| 85          | 61.4 33.6 100.6 |





#76

1,2,3-Trichloropropane

Concen: 5.108 ug/l

RT: 12.727 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

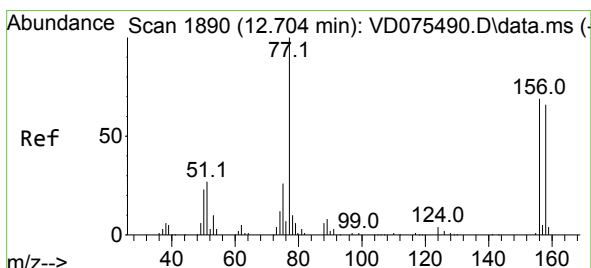
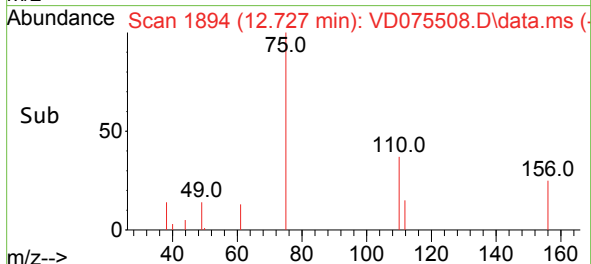
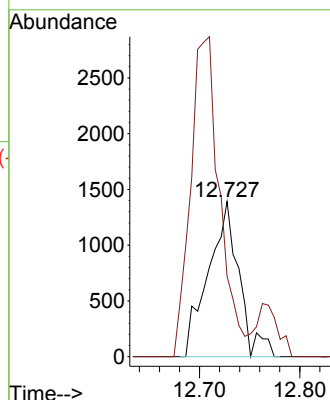
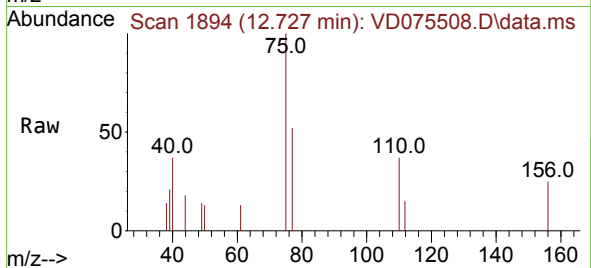
MDL-SOIL-03-QT1-2022

Tgt Ion: 75 Resp: 2970

Ion Ratio Lower Upper

75 100

77 194.1 0.0 0.0#



#77

Bromobenzene

Concen: 2.560 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

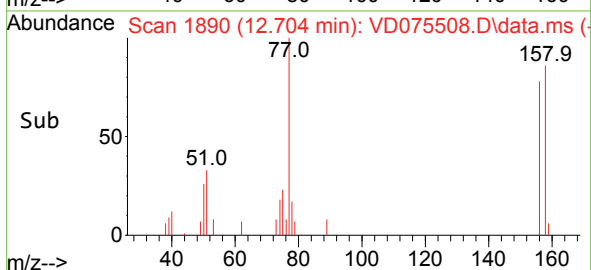
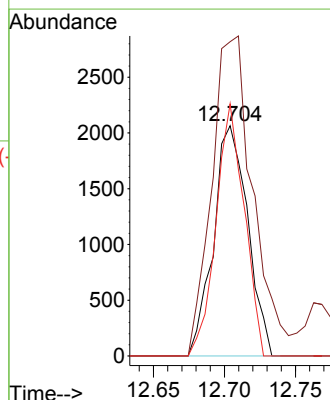
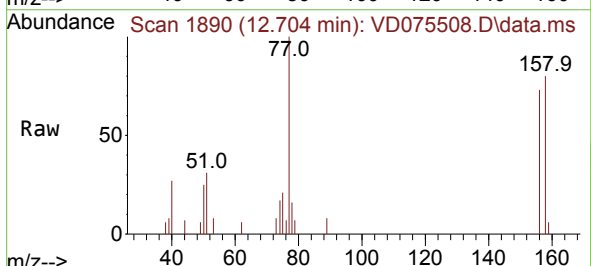
Tgt Ion: 156 Resp: 3455

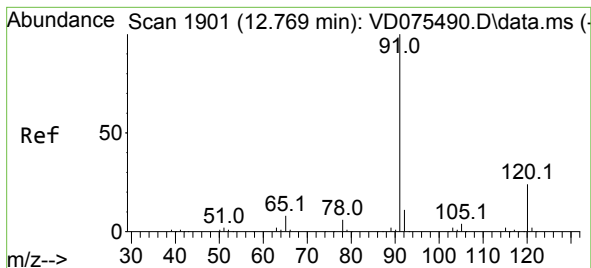
Ion Ratio Lower Upper

156 100

77 166.8 89.5 268.6

158 90.5 47.8 143.4





#78

n-propylbenzene

Concen: 2.501 ug/l

RT: 12.769 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

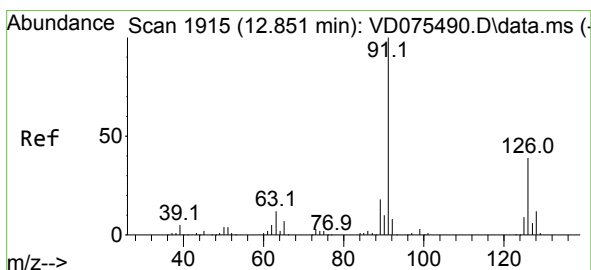
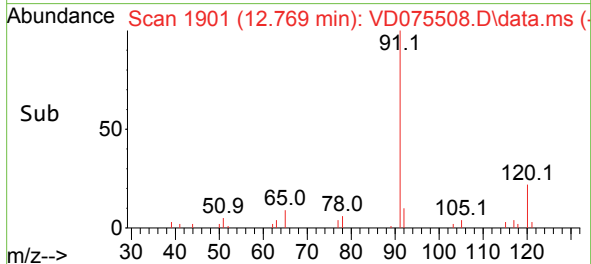
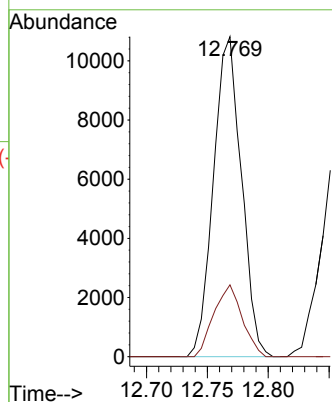
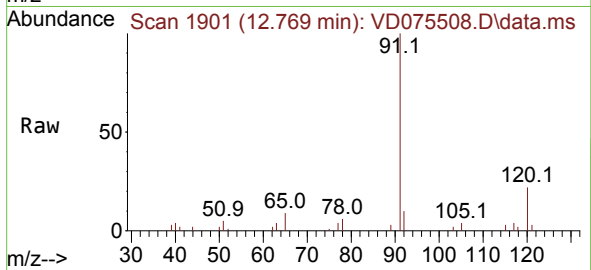
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 17255

Ion Ratio Lower Upper

91 100

120 22.8 11.4 34.2



#79

2-Chlorotoluene

Concen: 2.617 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD075508.D

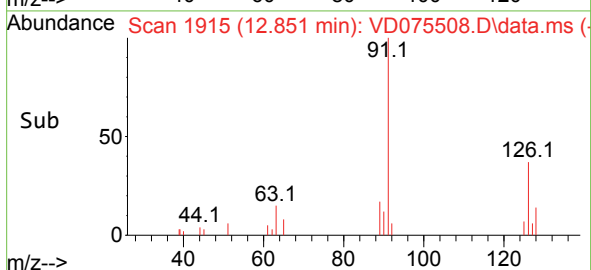
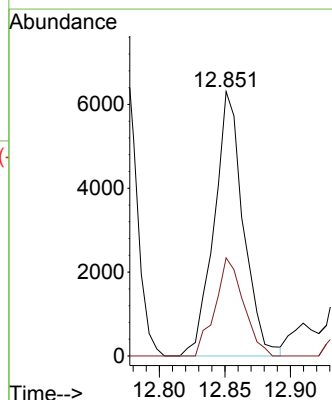
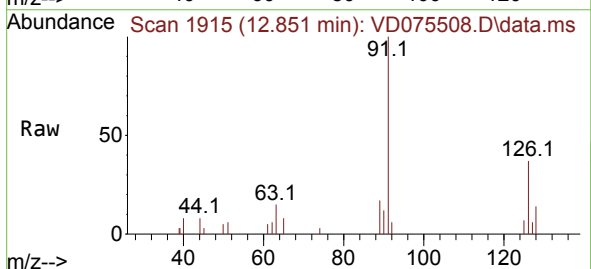
Acq: 13 Mar 2023 14:40

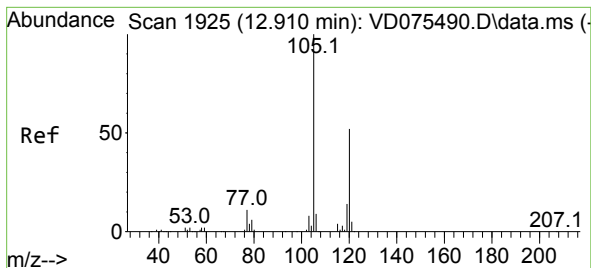
Tgt Ion: 91 Resp: 9784

Ion Ratio Lower Upper

91 100

126 35.9 16.8 50.3





#80

1,3,5-Trimethylbenzene

Concen: 2.201 ug/l

RT: 12.910 min Scan# 1925

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

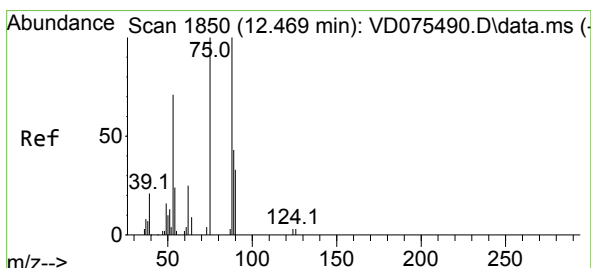
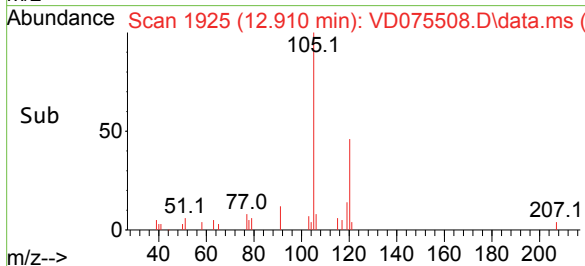
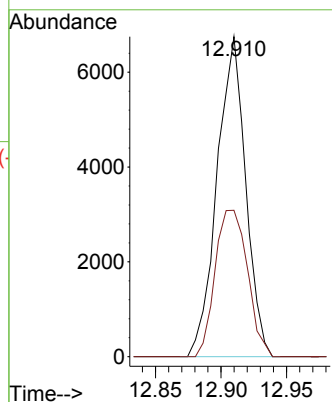
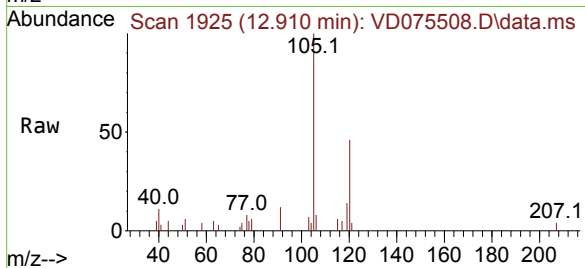
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 10247

Ion Ratio Lower Upper

105 100

120 51.7 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 122.644 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

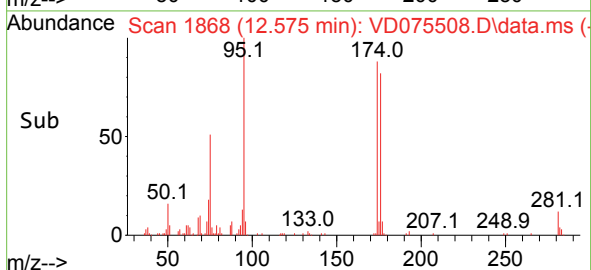
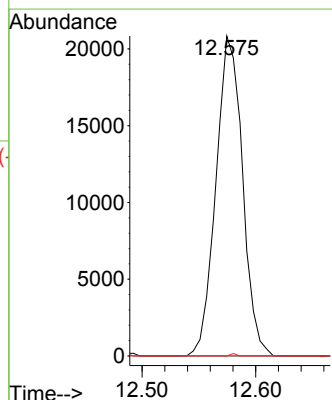
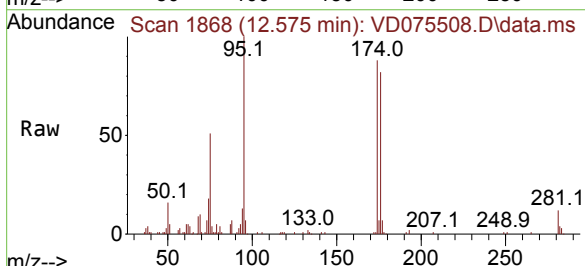
Tgt Ion: 75 Resp: 33903

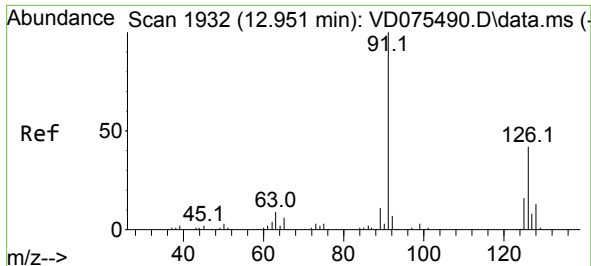
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.2 40.2 60.4#

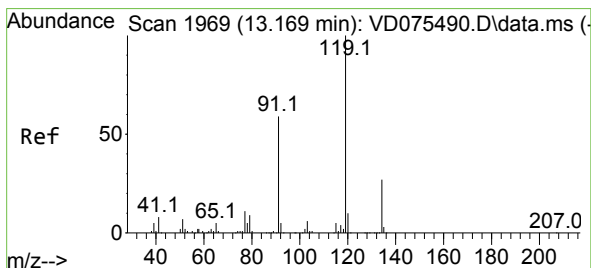
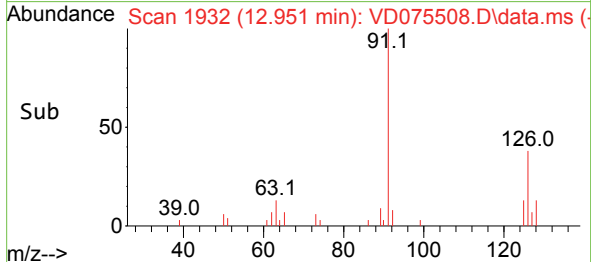
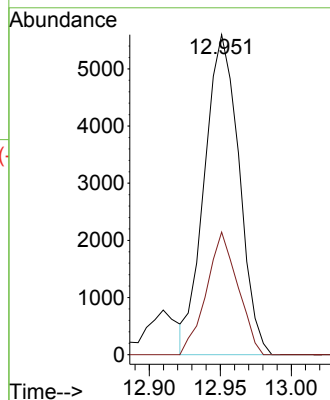
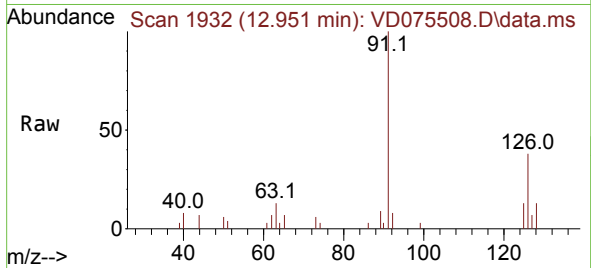




#82  
4-Chlorotoluene  
Concen: 2.459 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

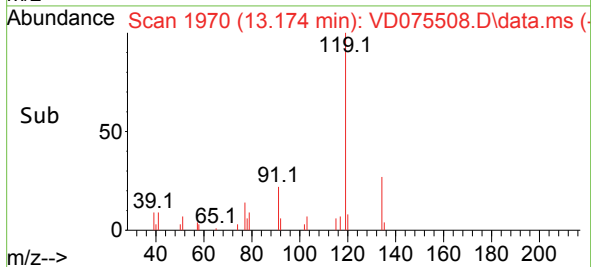
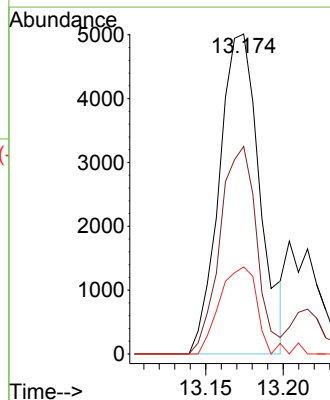
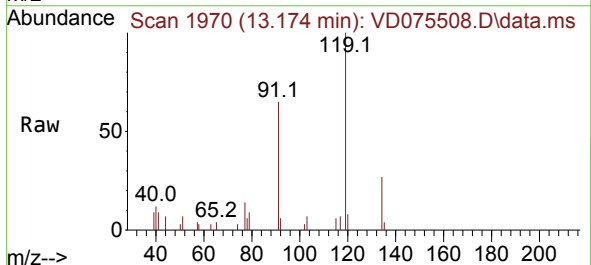
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

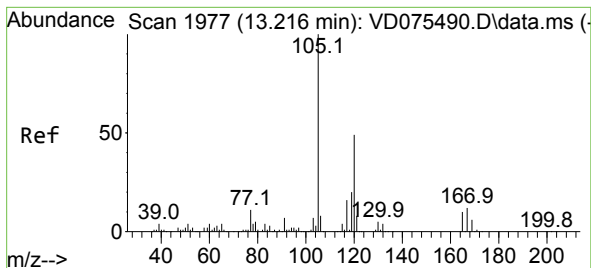
Tgt Ion: 91 Resp: 9484  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.1 51.2



#83  
tert-Butylbenzene  
Concen: 2.251 ug/l  
RT: 13.174 min Scan# 1970  
Delta R.T. 0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion: 119 Resp: 9107  
Ion Ratio Lower Upper  
119 100  
91 58.7 32.4 97.0  
134 25.8 13.0 39.0





#84

1,2,4-Trimethylbenzene

Concen: 2.049 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

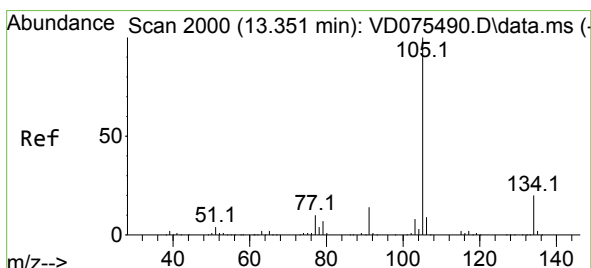
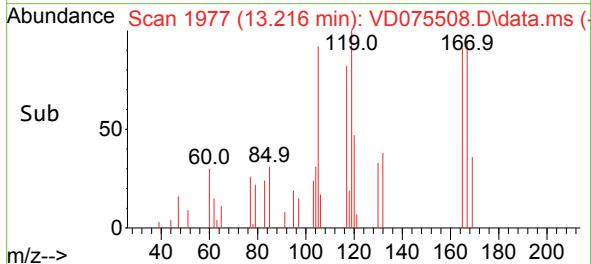
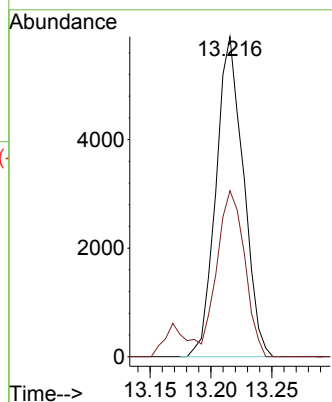
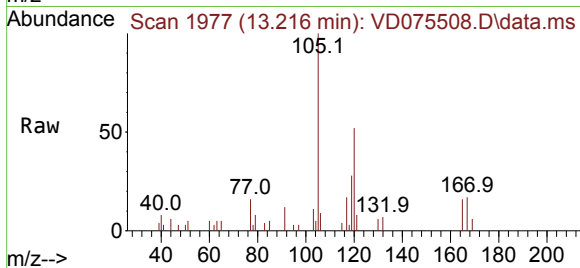
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 9218

Ion Ratio Lower Upper

105 100

120 52.1 22.3 66.9



#85

sec-Butylbenzene

Concen: 2.246 ug/l

RT: 13.351 min Scan# 2000

Delta R.T. -0.000 min

Lab File: VD075508.D

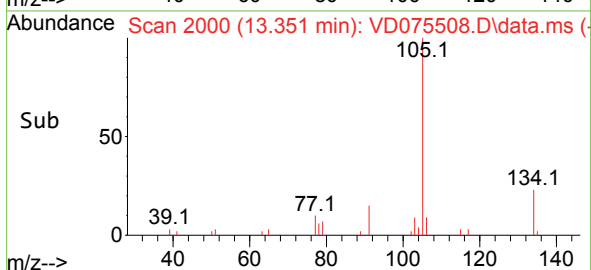
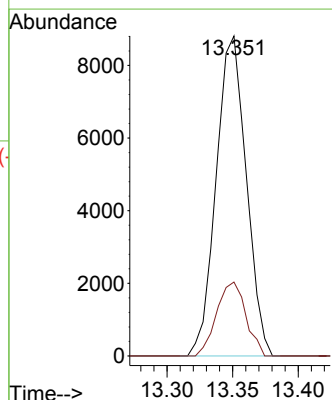
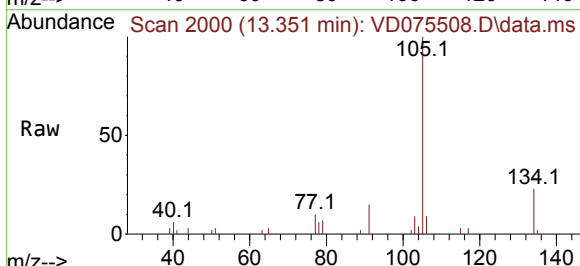
Acq: 13 Mar 2023 14:40

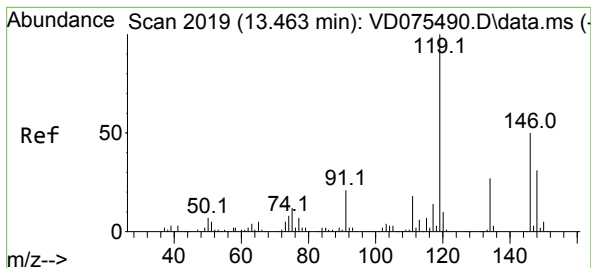
Tgt Ion:105 Resp: 14068

Ion Ratio Lower Upper

105 100

134 22.4 9.9 29.7





#86

p-Isopropyltoluene

Concen: 2.074 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

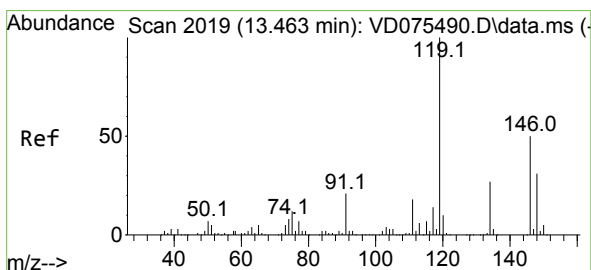
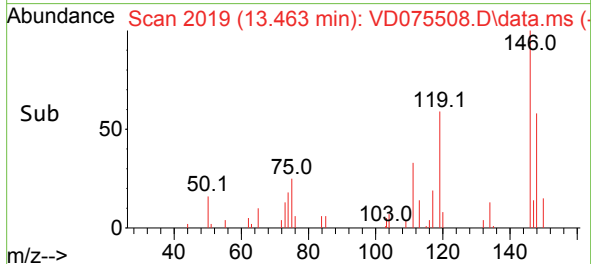
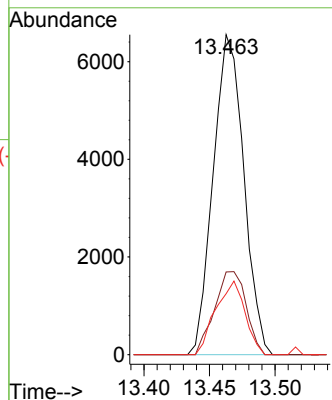
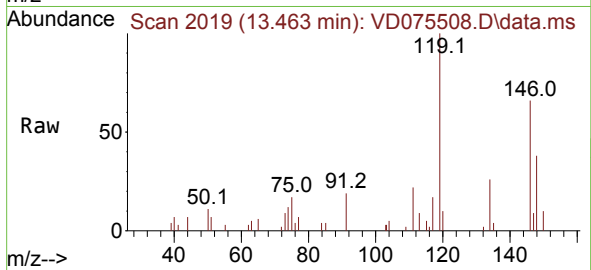
Tgt Ion:119 Resp: 10617

Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 22.1 12.4 37.4



#87

1,3-Dichlorobenzene

Concen: 2.610 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

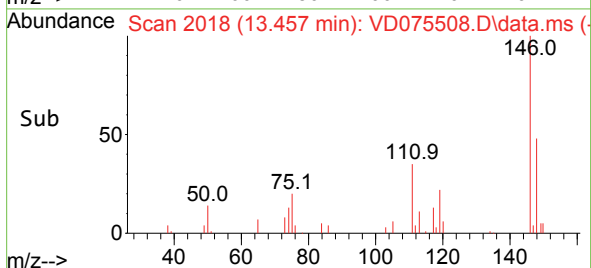
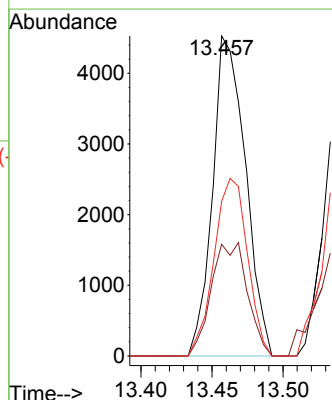
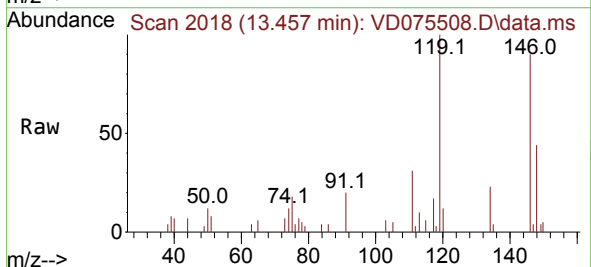
Tgt Ion:146 Resp: 7282

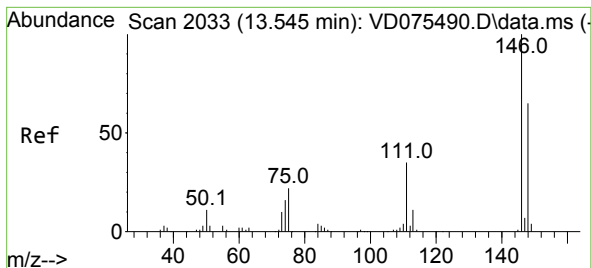
Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.3

148 56.5 31.0 93.0





#88

1,4-Dichlorobenzene

Concen: 2.652 ug/l

RT: 13.545 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

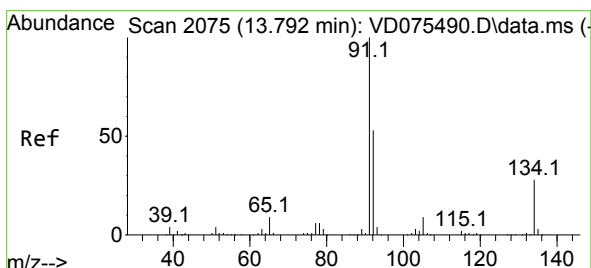
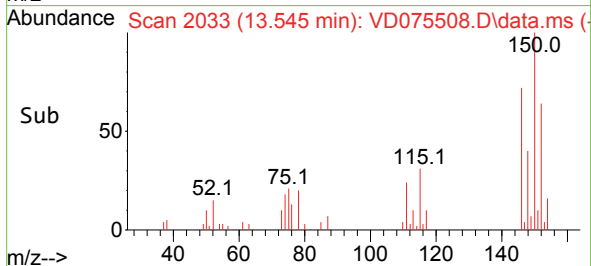
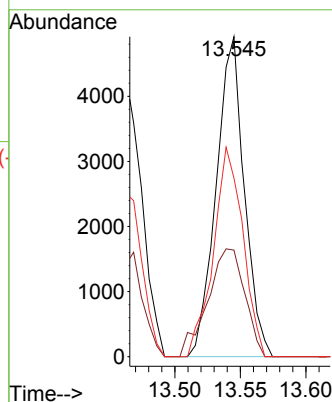
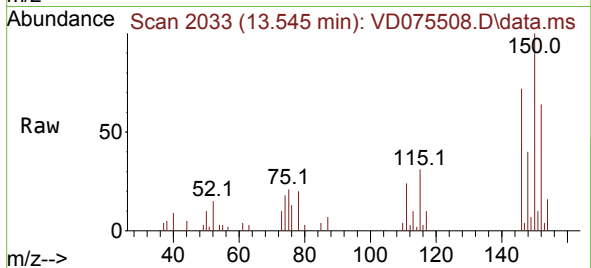
Tgt Ion:146 Resp: 7319

Ion Ratio Lower Upper

146 100

111 44.4 19.6 58.8

148 68.7 31.7 95.1



#89

n-Butylbenzene

Concen: 2.332 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

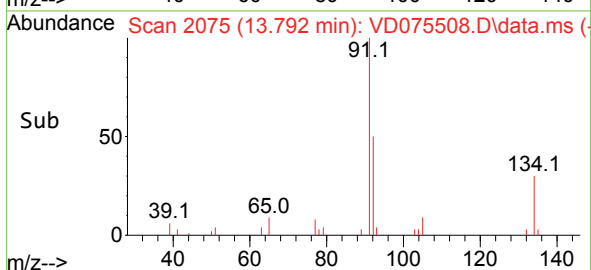
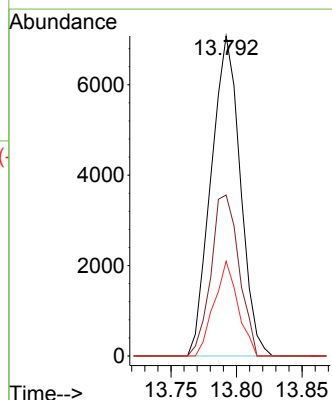
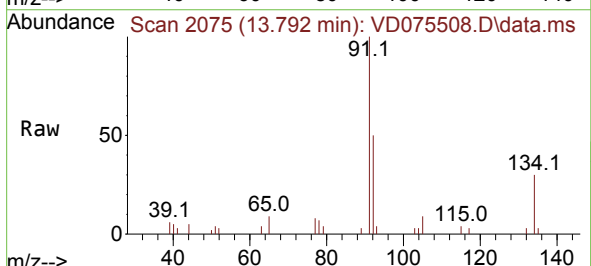
Tgt Ion: 91 Resp: 10946

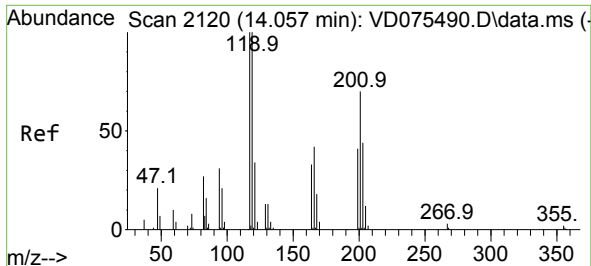
Ion Ratio Lower Upper

91 100

92 48.4 26.2 78.5

134 24.2 12.7 38.0

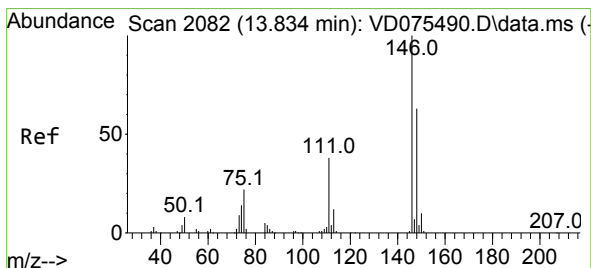
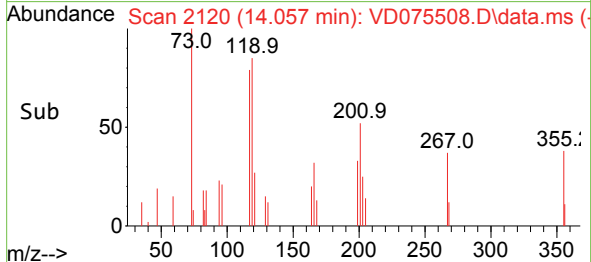
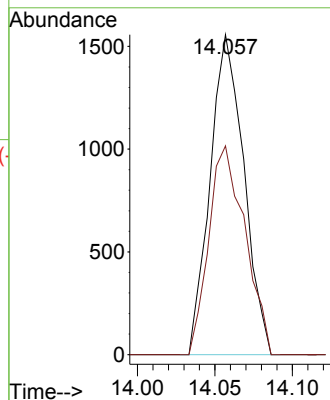
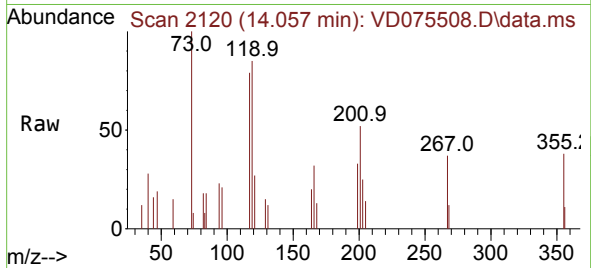




#90  
Hexachloroethane  
Concen: 2.383 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

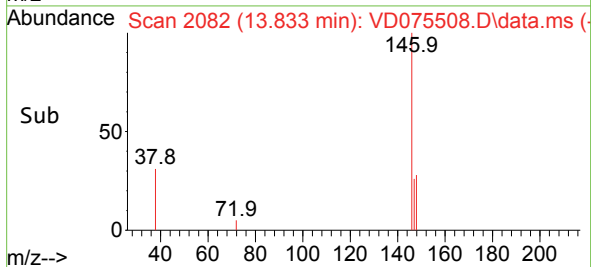
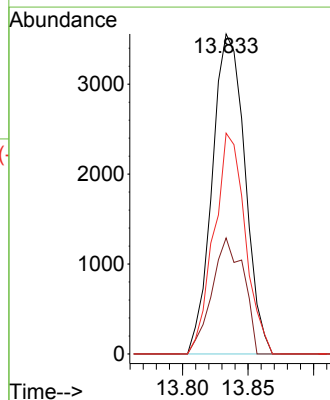
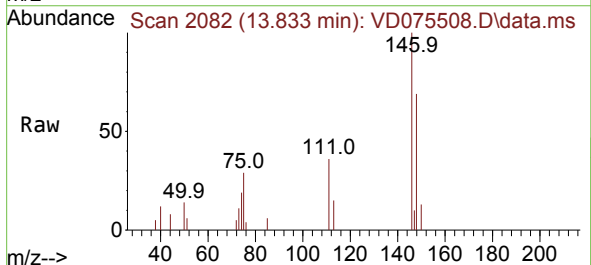
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

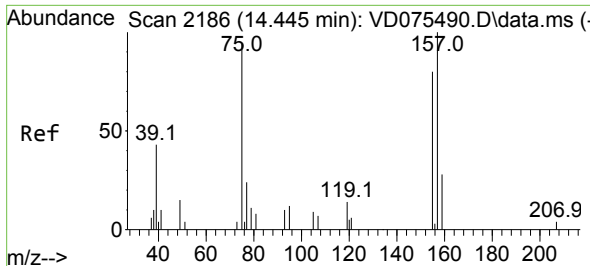
Tgt Ion:117 Resp: 2355  
Ion Ratio Lower Upper  
117 100  
201 70.1 34.5 103.6



#91  
1,2-Dichlorobenzene  
Concen: 2.613 ug/l  
RT: 13.833 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

Tgt Ion:146 Resp: 6169  
Ion Ratio Lower Upper  
146 100  
111 35.0 20.6 61.8  
148 66.0 32.0 96.2

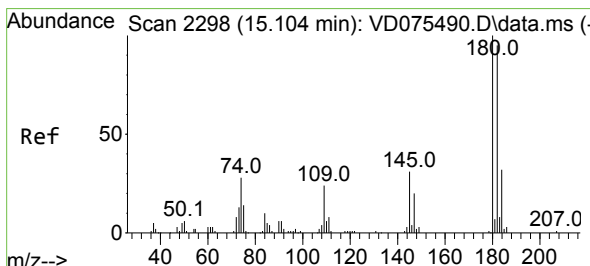
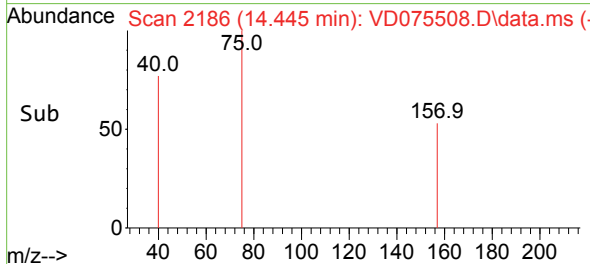
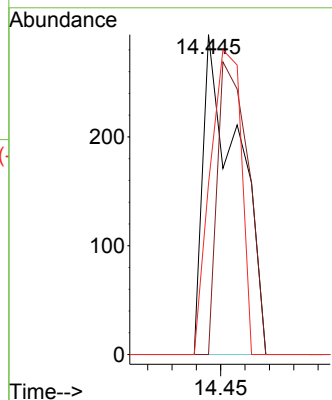
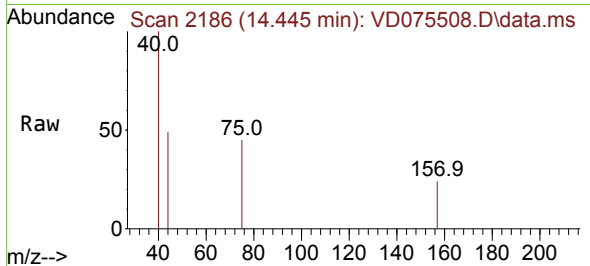




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.426 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

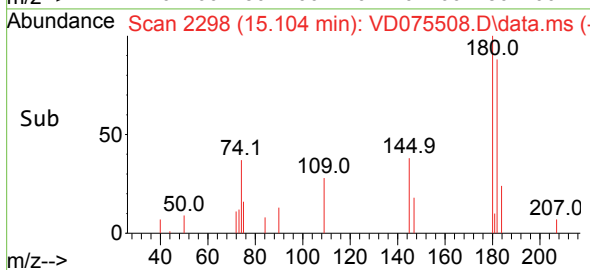
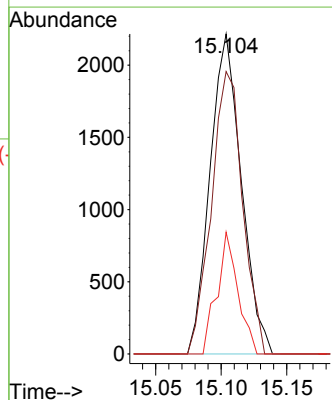
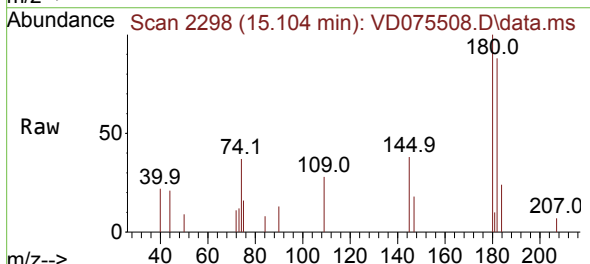
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

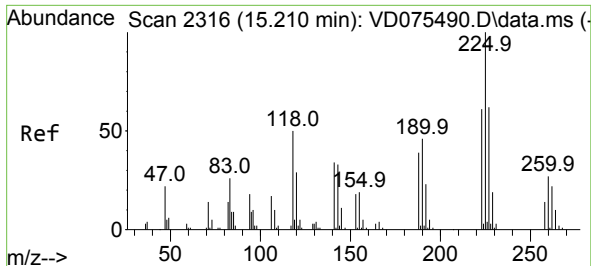
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 294        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 155         | 80.6  | 39.5 118.5 |
| 157         | 84.4  | 53.5 160.7 |



#93  
1,2,4-Trichlorobenzene  
Concen: 2.669 ug/l  
RT: 15.104 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 180 | Resp: | 3675       |
| Ion Ratio    | Lower | Upper      |
| 180          | 100   |            |
| 182          | 88.0  | 47.9 143.7 |
| 145          | 25.4  | 15.9 47.7  |

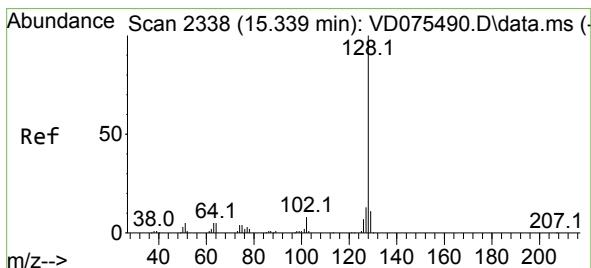
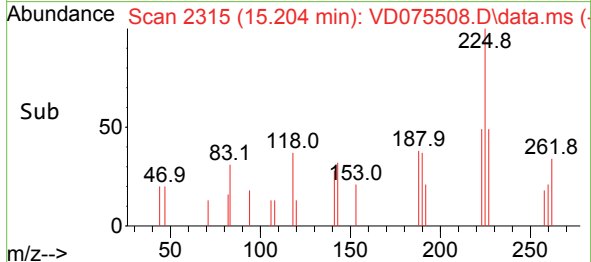
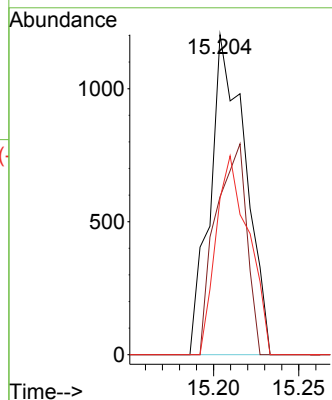
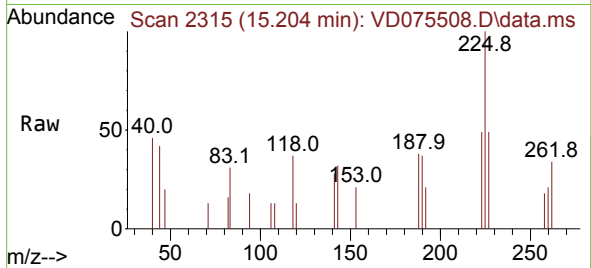




#94  
Hexachlorobutadiene  
Concen: 2.636 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. -0.006 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

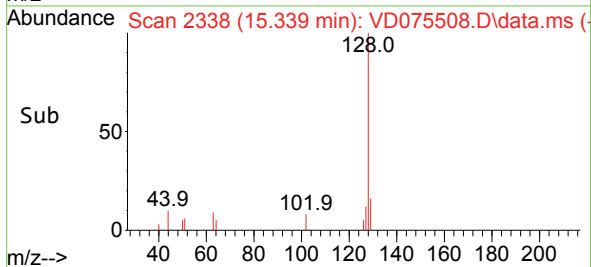
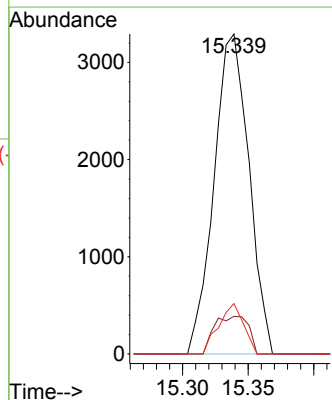
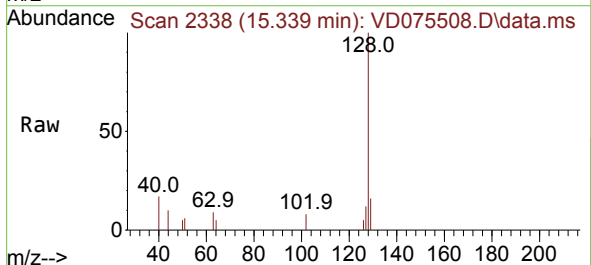
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT1-2022

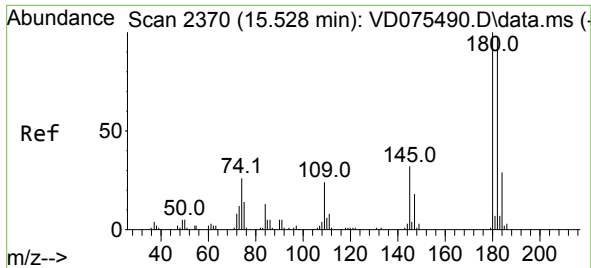
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1731  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 57.8  | 33.1  | 99.2  |
| 227      | 57.9  | 31.9  | 95.9  |



#95  
Naphthalene  
Concen: 2.407 ug/l  
RT: 15.339 min Scan# 2338  
Delta R.T. -0.000 min  
Lab File: VD075508.D  
Acq: 13 Mar 2023 14:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 6084  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.5  | 10.4  | 15.6  |
| 129      | 11.2  | 8.8   | 13.2  |





#96

1,2,3-Trichlorobenzene

Concen: 2.593 ug/l

RT: 15.527 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD075508.D

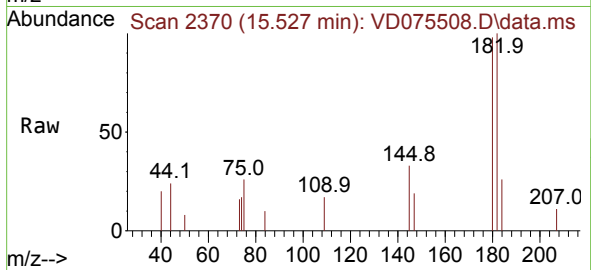
Acq: 13 Mar 2023 14:40

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:180 Resp: 3081

Ion Ratio Lower Upper

180 100

182 99.8 47.7 143.1

145 26.3 16.4 49.4

