

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110221\  
 Data File : VW020746.D  
 Acq On : 02 Nov 2021 19:16  
 Operator : SY/VA  
 Sample : M4068-01 2.5PPBLOD  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 03 02:49:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W110121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 03 02:49:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.951          | 168  | 30620               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.848          | 114  | 49539               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.634         | 117  | 46407               | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560         | 152  | 23819               | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.305          | 65   | 14450               | 50.822 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.640% |        |        |          |
| 35) Dibromofluoromethane     | 7.884          | 113  | 14896               | 47.313 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 94.620%  |        |        |          |
| 50) Toluene-d8               | 10.323         | 98   | 51483               | 46.952 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.900%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.615         | 95   | 17365               | 44.945 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 89.880%  |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 3) Chloromethane             | 2.215          | 50   | 506                 | 2.802  | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.349          | 62   | 892                 | 2.554  | ug/l   | 88       |
| 5) Bromomethane              | 2.763          | 94   | 852                 | 2.880  | ug/l # | 52       |
| 6) Chloroethane              | 2.910          | 64   | 390                 | 2.591  | ug/l # | 88       |
| 7) Trichlorofluoromethane    | 3.251          | 101  | 249                 | 2.150  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.678          | 74   | 251                 | 2.168  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.062          | 101  | 759                 | 2.758  | ug/l # | 80       |
| 10) Methyl Iodide            | 4.269          | 142  | 845                 | 2.388  | ug/l # | 90       |
| 11) Tert butyl alcohol       | 5.178          | 59   | 19                  | 1.604  | ug/l # | 77       |
| 12) 1,1-Dichloroethene       | 4.031          | 96   | 680                 | 2.648  | ug/l # | 72       |
| 14) Allyl chloride           | 4.665          | 41   | 427                 | 2.160  | ug/l # | 83       |
| 15) Acrylonitrile            | 5.379          | 53   | 476                 | 10.747 | ug/l # | 79       |
| 16) Acetone                  | 4.129          | 43   | 666                 | 16.079 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.379          | 76   | 1722                | 2.663  | ug/l # | 94       |
| 18) Methyl Acetate           | 4.678          | 43   | 299                 | 2.085  | ug/l # | 41       |
| 19) Methyl tert-butyl Ether  | 5.421          | 73   | 613                 | 2.083  | ug/l # | 59       |
| 20) Methylene Chloride       | 4.915          | 84   | 3970                | 11.058 | ug/l # | 95       |
| 21) trans-1,2-Dichloroethene | 5.428          | 96   | 674                 | 2.376  | ug/l # | 81       |
| 22) Diisopropyl ether        | 6.318          | 45   | 1066                | 2.112  | ug/l # | 80       |
| 23) Vinyl Acetate            | 6.257          | 43   | 2093                | 7.507  | ug/l   | 93       |
| 24) 1,1-Dichloroethane       | 6.208          | 63   | 1221                | 2.809  | ug/l # | 79       |
| 25) 2-Butanone               | 7.177          | 43   | 578                 | 10.902 | ug/l # | 81       |
| 26) 2,2-Dichloropropane      | 7.165          | 77   | 648                 | 2.488  | ug/l # | 58       |
| 27) cis-1,2-Dichloroethene   | 7.171          | 96   | 786                 | 2.526  | ug/l   | 91       |
| 28) Bromochloromethane       | 7.513          | 49   | 478                 | 2.752  | ug/l # | 97       |
| 29) Tetrahydrofuran          | 7.543          | 42   | 317                 | 10.131 | ug/l # | 64       |
| 30) Chloroform               | 7.671          | 83   | 1544                | 2.858  | ug/l   | 87       |
| 31) Cyclohexane              | 7.951          | 56   | 1298                | 3.388  | ug/l # | 72       |
| 32) 1,1,1-Trichloroethane    | 7.872          | 97   | 1086                | 2.525  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.073          | 75   | 956                 | 2.398  | ug/l   | 89       |
| 37) Ethyl Acetate            | 7.256          | 43   | 212                 | 1.692  | ug/l # | 63       |
| 38) Carbon Tetrachloride     | 8.073          | 117  | 1128                | 2.642  | ug/l # | 81       |
| 39) Methylcyclohexane        | 9.335          | 83   | 1056                | 2.195  | ug/l # | 82       |
| 40) Benzene                  | 8.323          | 78   | 4065                | 3.539  | ug/l   | 96       |
| 41) Methacrylonitrile        | 7.537          | 41   | 184                 | 2.979  | ug/l # | 12       |
| 42) 1,2-Dichloroethane       | 8.403          | 62   | 904                 | 2.755  | ug/l   | 86       |

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 Operator : SY/VA  
 Sample : M4068-01 2.5PPBLOD  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

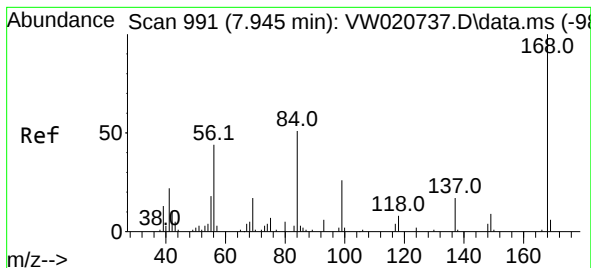
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 03 02:49:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W110121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 03 02:49:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Isopropyl Acetate         | 8.421  | 43   | 543      | 2.302   | ug/l # | 63       |
| 44) Trichloroethene           | 9.085  | 130  | 916      | 2.599   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.366  | 63   | 602      | 2.422   | ug/l # | 89       |
| 46) Dibromomethane            | 9.451  | 93   | 428      | 2.441   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.646  | 83   | 1125     | 2.744   | ug/l # | 76       |
| 48) Methyl methacrylate       | 9.439  | 41   | 157      | 1.464   | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.207 | 43   | 1305     | 10.297  | ug/l   | 95       |
| 52) Toluene                   | 10.390 | 92   | 2018     | 2.706   | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.603 | 75   | 828      | 2.198   | ug/l # | 87       |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 915      | 2.132   | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 10.786 | 97   | 602      | 2.495   | ug/l # | 85       |
| 56) Ethyl methacrylate        | 10.640 | 69   | 441      | 1.726   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.933 | 76   | 918      | 2.418   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.927  | 63   | 1084     | 9.749   | ug/l   | 98       |
| 59) 2-Hexanone                | 10.969 | 43   | 919      | 10.373  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.128 | 129  | 740      | 2.461   | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.231 | 107  | 632      | 2.633   | ug/l   | 87       |
| 64) Tetrachloroethene         | 10.866 | 164  | 789      | 2.605   | ug/l # | 91       |
| 65) Chlorobenzene             | 11.658 | 112  | 2202     | 2.528   | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane | 11.725 | 131  | 811      | 2.526   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.731 | 91   | 3123     | 2.150   | ug/l # | 79       |
| 68) m/p-Xylenes               | 11.841 | 106  | 2515     | 4.288   | ug/l   | 96       |
| 69) o-Xylene                  | 12.164 | 106  | 1079     | 1.970   | ug/l   | 92       |
| 70) Styrene                   | 12.176 | 104  | 1814     | 1.960   | ug/l   | 99       |
| 71) Bromoform                 | 12.341 | 173  | 386      | 2.127   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.463 | 105  | 2844     | 2.028   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.274 | 43   | 373      | 1.725   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 755      | 2.853   | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 12.768 | 75   | 857      | 4.646   | ug/l # | 1        |
| 77) Bromobenzene              | 12.743 | 156  | 922      | 2.596   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.804 | 91   | 4246     | 2.509   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 2133     | 2.224   | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 2485     | 2.060   | ug/l   | 92       |
| 81) trans-1,4-Dichloro-2-b... | 12.615 | 75   | 8916     | 118.968 | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 2424     | 2.417   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.207 | 119  | 2432     | 2.315   | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 2645     | 2.235   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.377 | 105  | 3491     | 2.205   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.493 | 119  | 2793     | 2.098   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.493 | 146  | 1757     | 2.368   | ug/l   | 88       |
| 88) 1,4-Dichlorobenzene       | 13.572 | 146  | 2065     | 2.820   | ug/l   | 88       |
| 89) n-Butylbenzene            | 13.822 | 91   | 2837     | 2.287   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.084 | 117  | 656      | 2.506   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.871 | 146  | 1800     | 2.765   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.133 | 180  | 969      | 2.358   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.231 | 225  | 583      | 2.613   | ug/l   | 83       |
| 95) Naphthalene               | 15.365 | 128  | 1665     | 2.245   | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 986      | 2.747   | ug/l   | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.951 min Scan# 99

Delta R.T. 0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

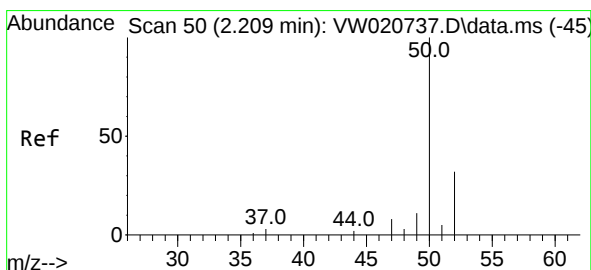
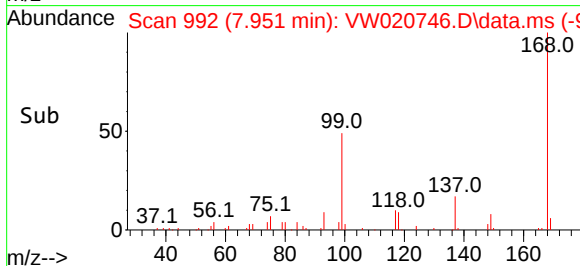
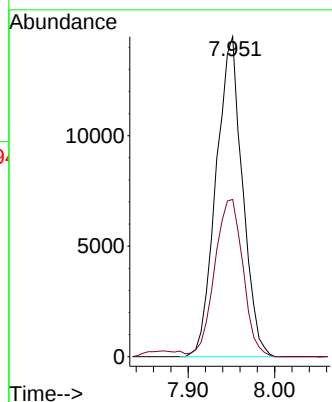
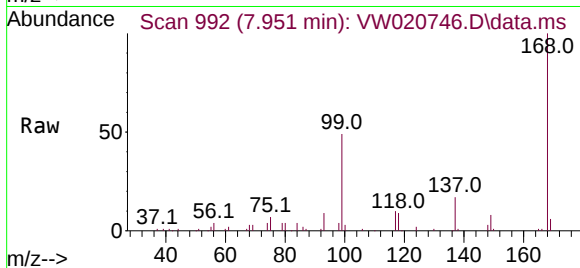
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:168 Resp: 30620

Ion Ratio Lower Upper

168 100

99 49.2 42.6 63.8



#3

Chloromethane

Concen: 2.802 ug/l

RT: 2.215 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW020746.D

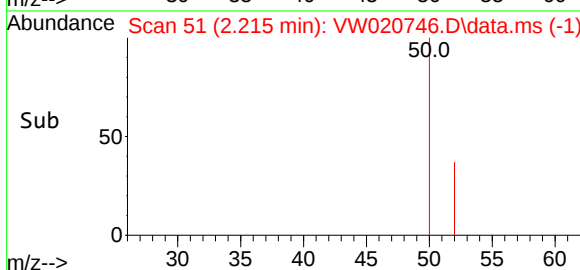
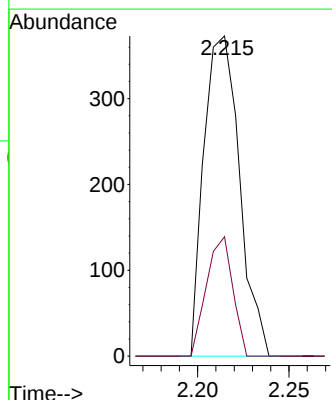
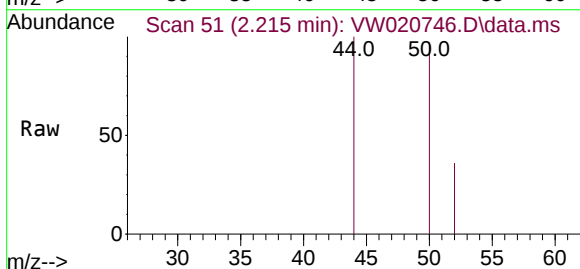
Acq: 02 Nov 2021 19:16

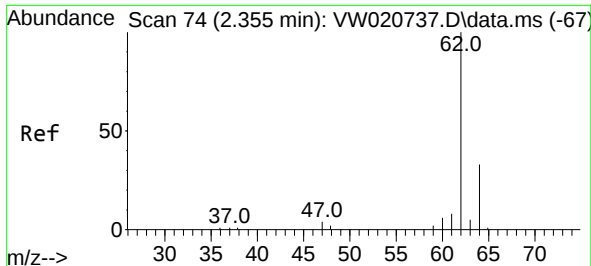
Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

50 100

52 37.3 25.9 38.9

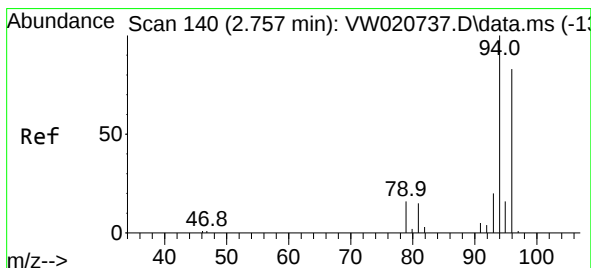
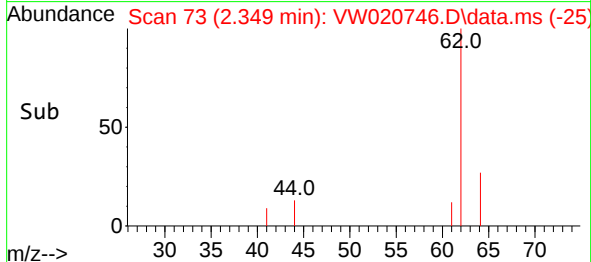
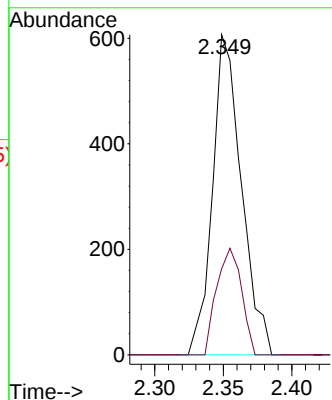
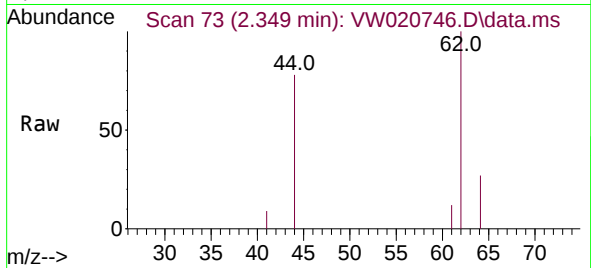




#4  
 Vinyl Chloride  
 Concen: 2.554 ug/l  
 RT: 2.349 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

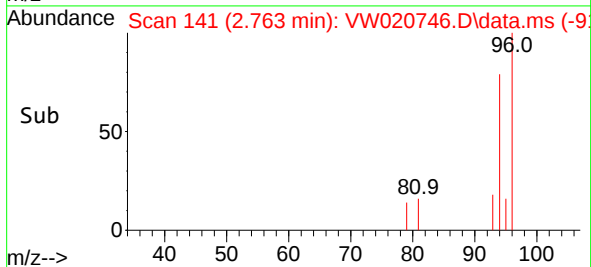
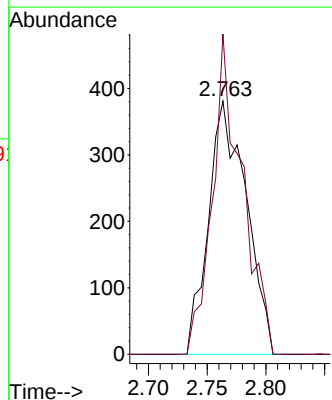
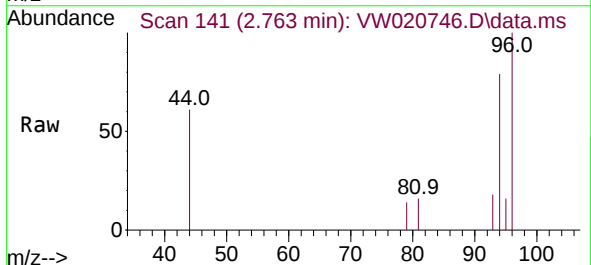
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

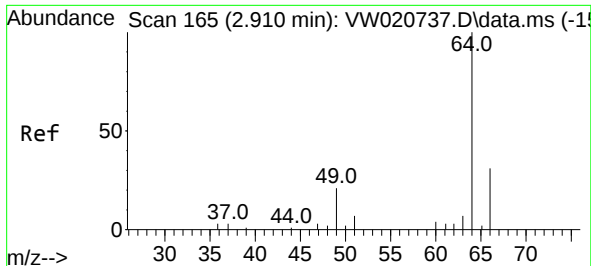
Tgt Ion: 62 Resp: 892  
 Ion Ratio Lower Upper  
 62 100  
 64 26.9 26.7 40.1



#5  
 Bromomethane  
 Concen: 2.880 ug/l  
 RT: 2.763 min Scan# 141  
 Delta R.T. 0.006 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

Tgt Ion: 94 Resp: 852  
 Ion Ratio Lower Upper  
 94 100  
 96 126.5 66.7 100.1#

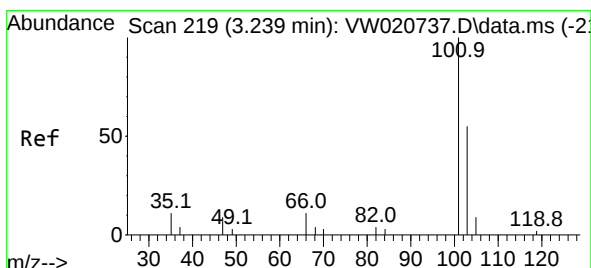
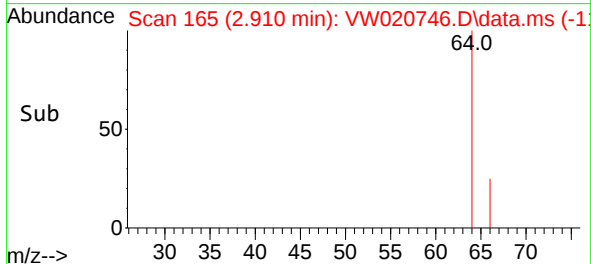
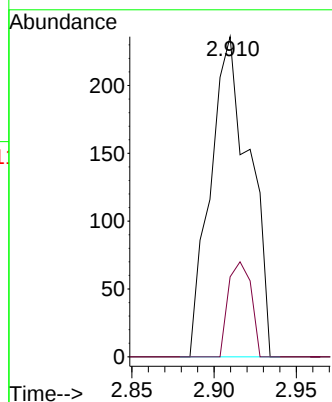
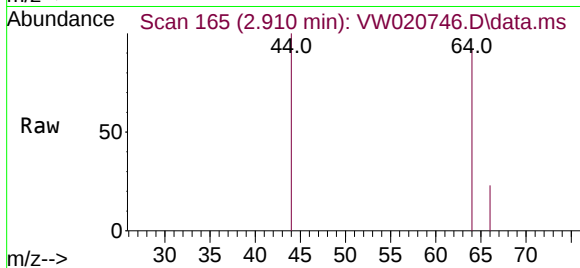




#6  
Chloroethane  
Concen: 2.591 ug/l  
RT: 2.910 min Scan# 165  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

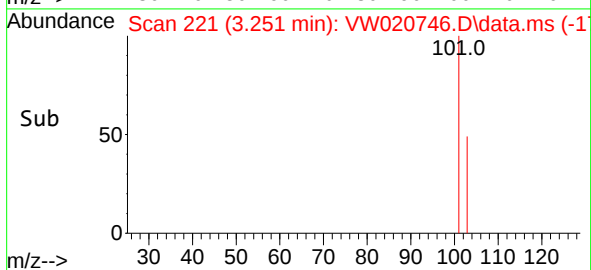
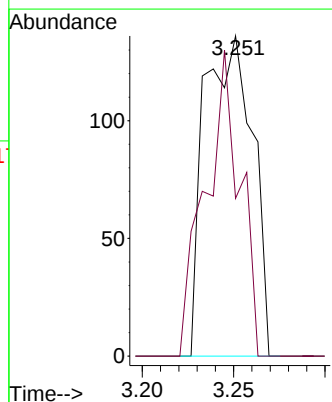
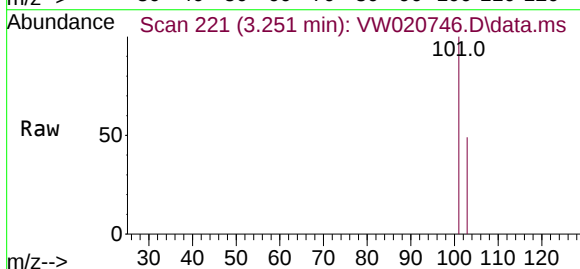
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ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

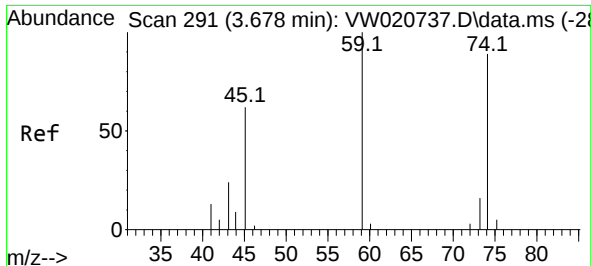
Tgt Ion: 64 Resp: 390  
Ion Ratio Lower Upper  
64 100  
66 25.0 25.1 37.7#



#7  
Trichlorofluoromethane  
Concen: 2.150 ug/l  
RT: 3.251 min Scan# 221  
Delta R.T. 0.012 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 101 Resp: 249  
Ion Ratio Lower Upper  
101 100  
103 49.3 43.9 65.9

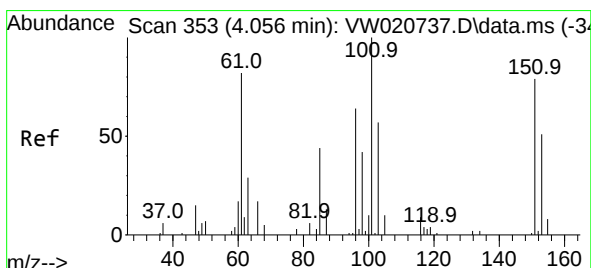
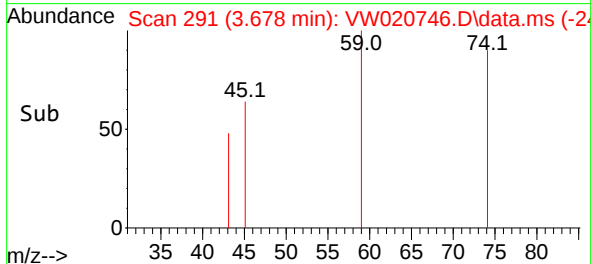
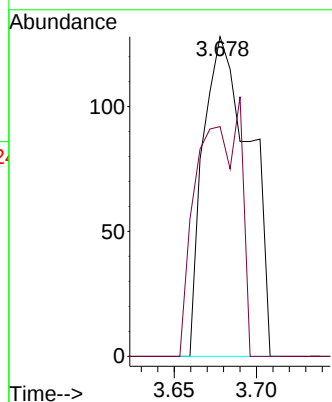
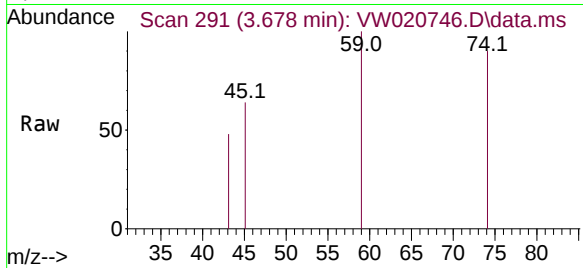




#8  
Diethyl Ether  
Concen: 2.168 ug/l  
RT: 3.678 min Scan# 291  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

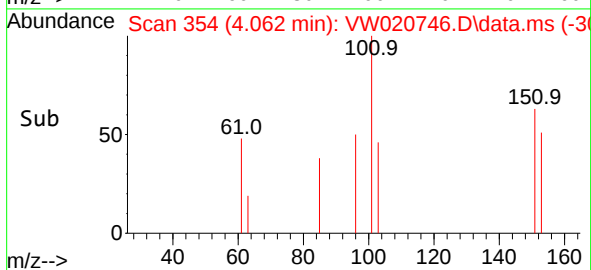
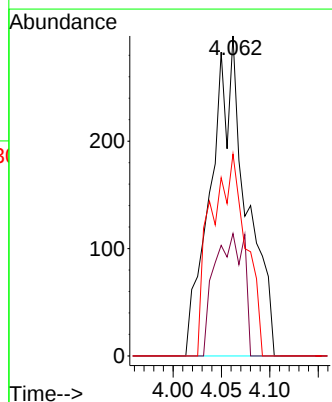
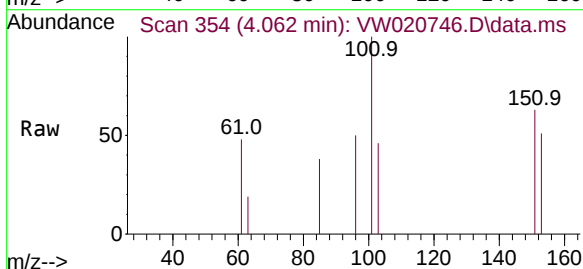
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

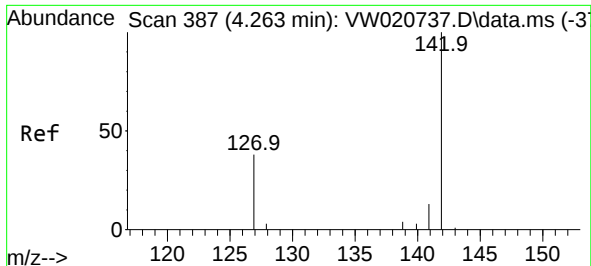
Tgt Ion: 74 Resp: 251  
Ion Ratio Lower Upper  
74 100  
45 72.9 34.3 102.8



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.758 ug/l  
RT: 4.062 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 101 Resp: 759  
Ion Ratio Lower Upper  
101 100  
85 32.0 35.2 52.8#  
151 62.3 65.0 97.4#

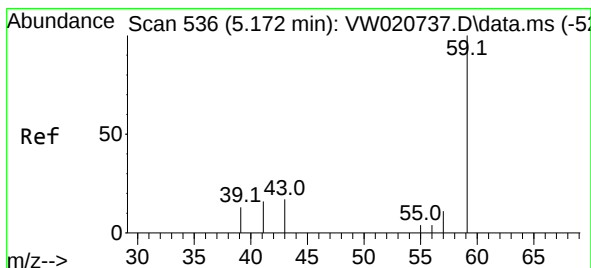
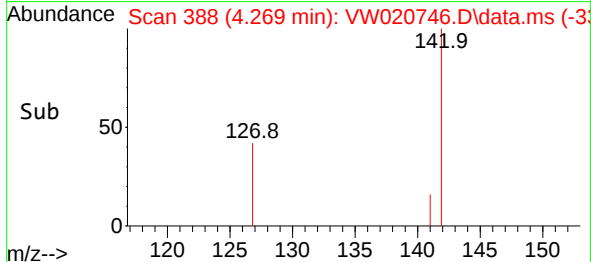
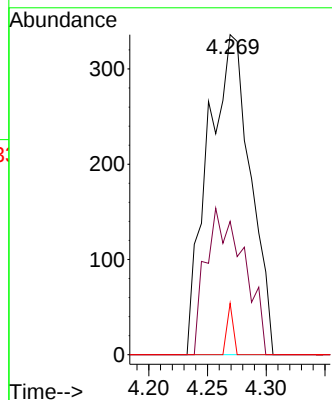
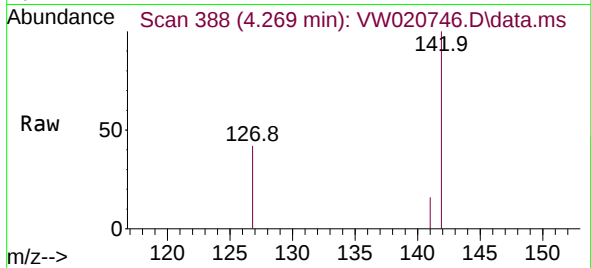




#10  
Methyl Iodide  
Concen: 2.388 ug/l  
RT: 4.269 min Scan# 387  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

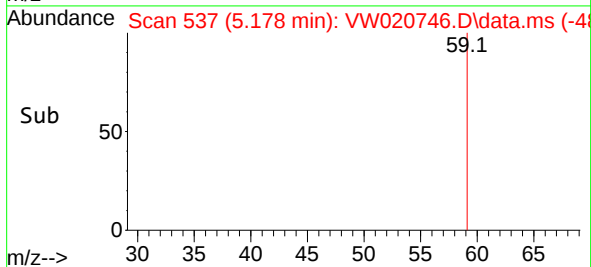
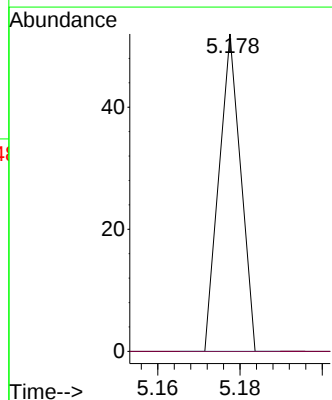
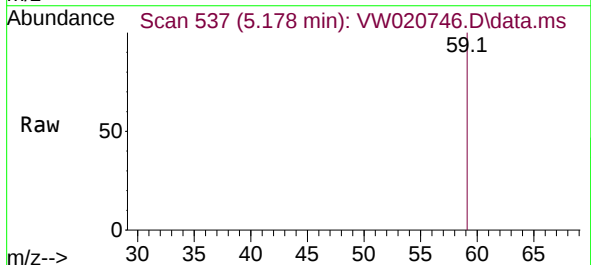
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

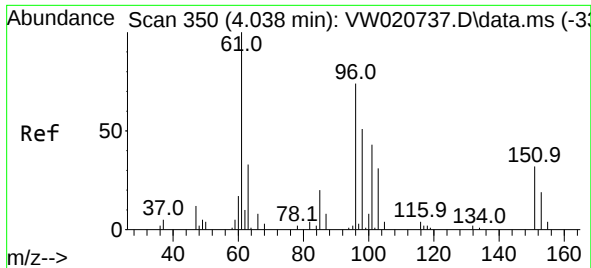
Tgt Ion:142 Resp: 845  
Ion Ratio Lower Upper  
142 100  
127 40.9 34.3 51.5  
141 2.4 12.2 18.2#



#11  
Tert butyl alcohol  
Concen: 1.604 ug/l  
RT: 5.178 min Scan# 537  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 59 Resp: 19  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#

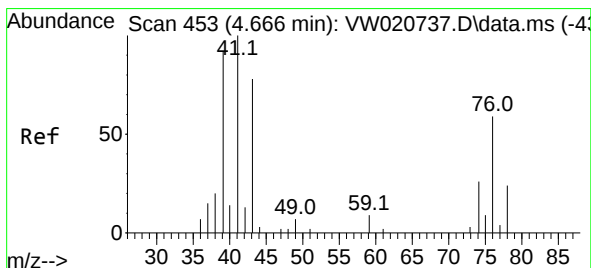
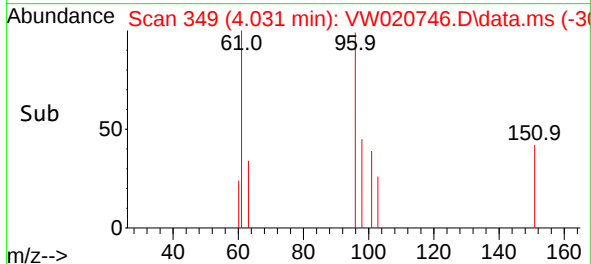
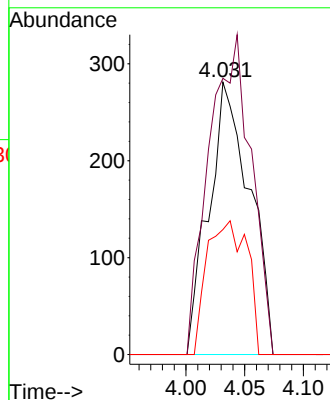
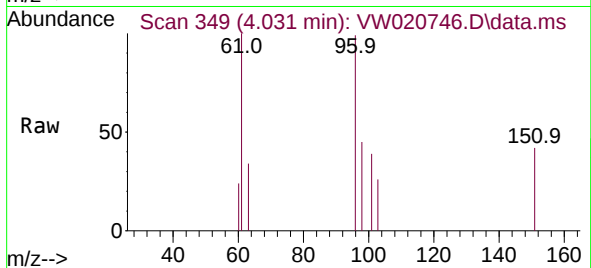




#12  
1,1-Dichloroethene  
Concen: 2.648 ug/l  
RT: 4.031 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

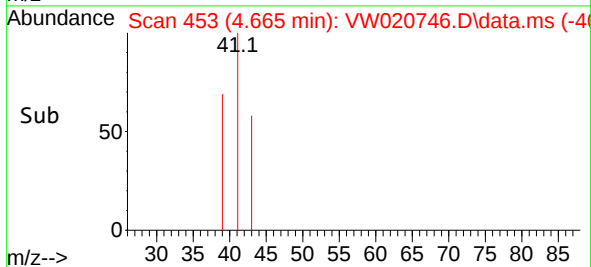
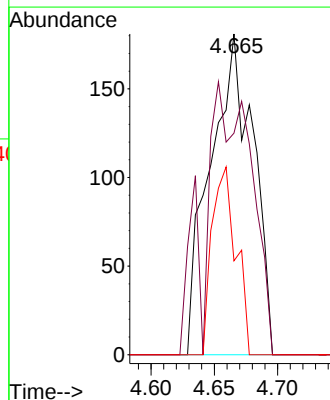
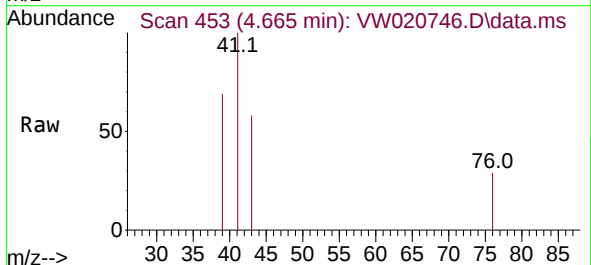
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

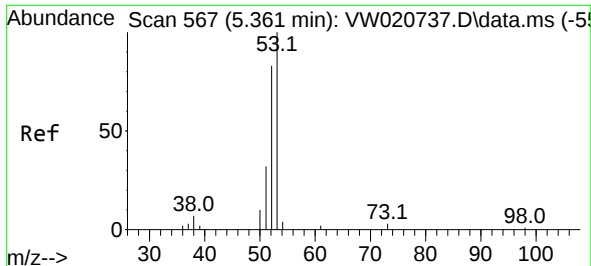
Tgt Ion: 96 Resp: 680  
Ion Ratio Lower Upper  
96 100  
61 101.4 108.1 162.1#  
98 45.9 55.4 83.2#



#14  
Allyl chloride  
Concen: 2.160 ug/l  
RT: 4.665 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 41 Resp: 427  
Ion Ratio Lower Upper  
41 100  
39 78.9 67.3 100.9  
76 32.8 45.8 68.8#

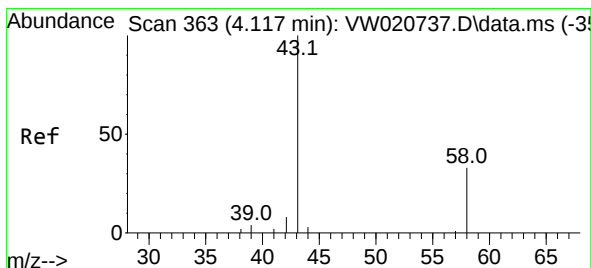
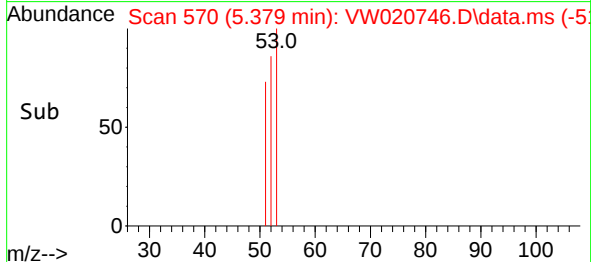
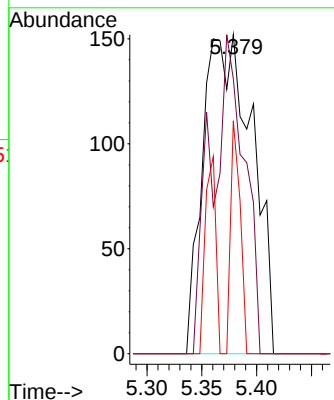
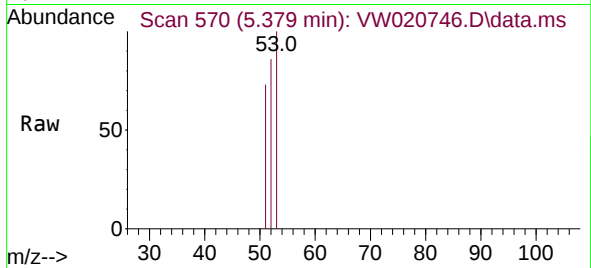




#15  
Acrylonitrile  
Concen: 10.747 ug/l  
RT: 5.379 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

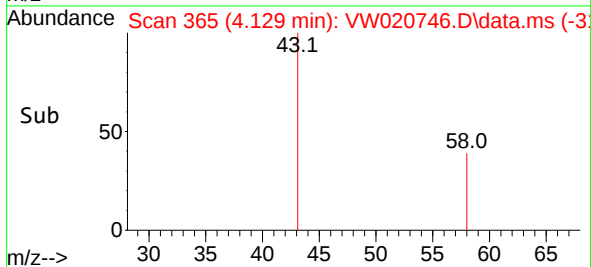
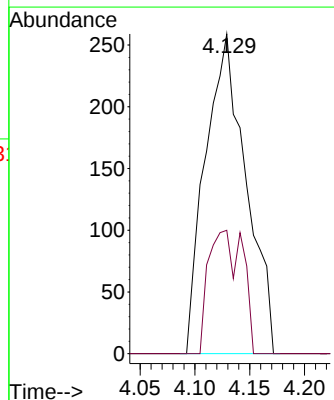
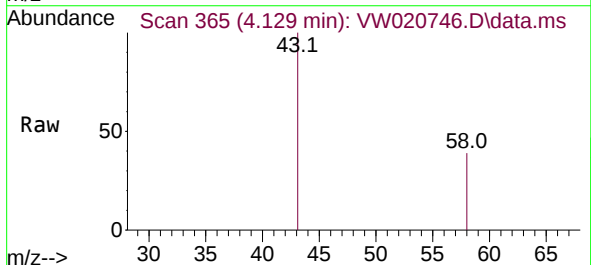
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

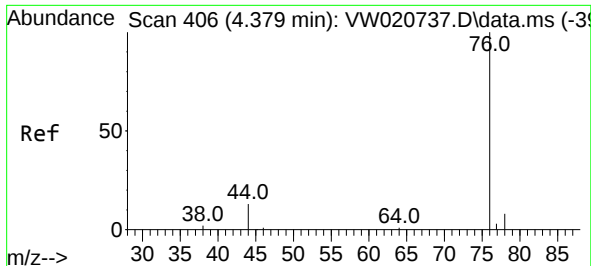
Tgt Ion: 53 Resp: 476  
Ion Ratio Lower Upper  
53 100  
52 67.0 63.7 95.5  
51 14.1 27.5 41.3#



#16  
Acetone  
Concen: 16.079 ug/l  
RT: 4.129 min Scan# 365  
Delta R.T. 0.012 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 43 Resp: 666  
Ion Ratio Lower Upper  
43 100  
58 38.6 27.8 41.6

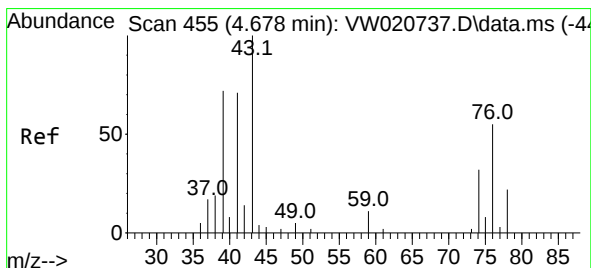
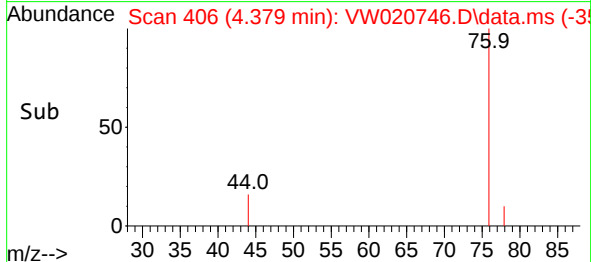
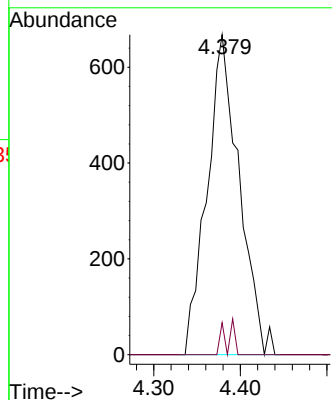
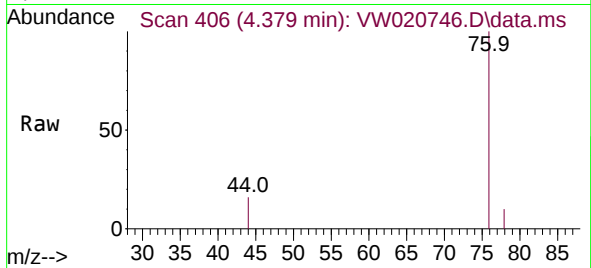




#17  
Carbon Disulfide  
Concen: 2.663 ug/l  
RT: 4.379 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

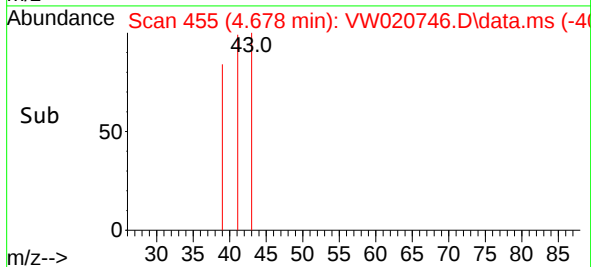
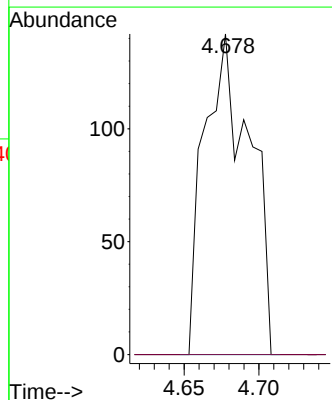
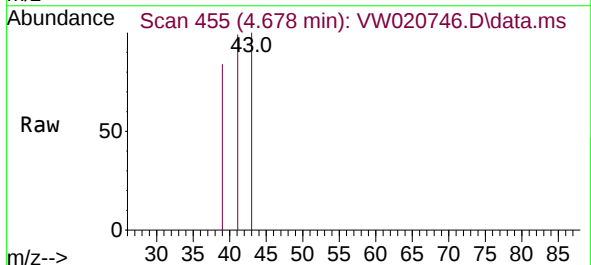
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

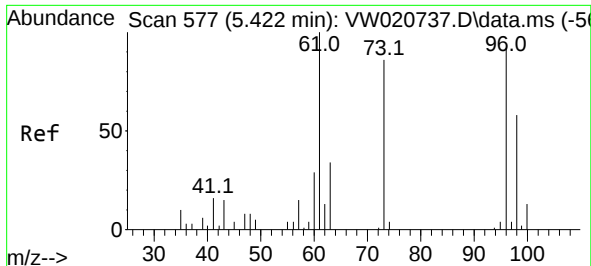
Tgt Ion: 76 Resp: 1722  
Ion Ratio Lower Upper  
76 100  
78 10.0 6.4 9.6#



#18  
Methyl Acetate  
Concen: 2.085 ug/l  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 43 Resp: 299  
Ion Ratio Lower Upper  
43 100  
74 0.0 27.0 40.6#

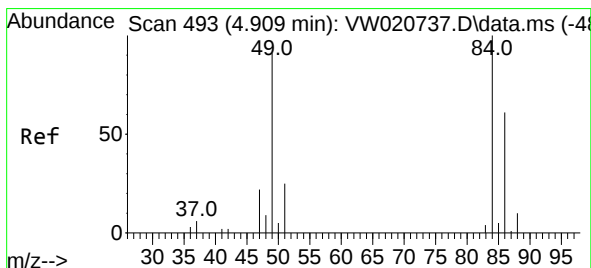
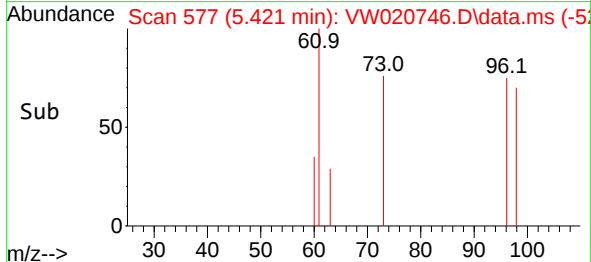
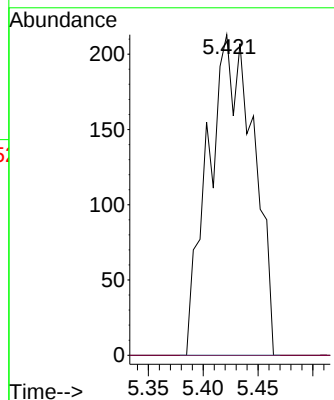
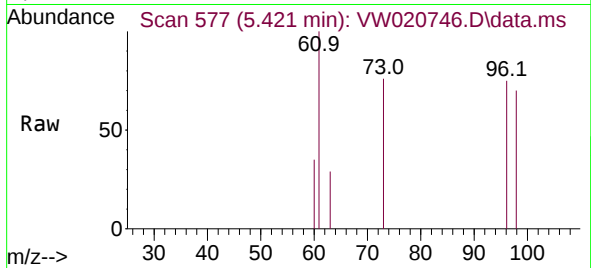




#19  
Methyl tert-butyl Ether  
Concen: 2.083 ug/l  
RT: 5.421 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

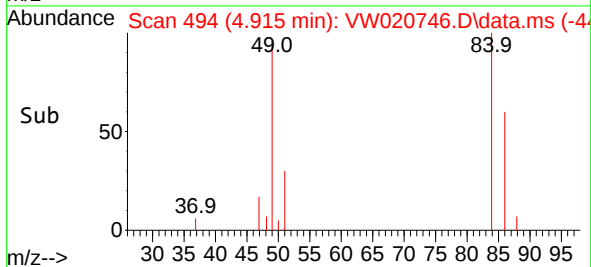
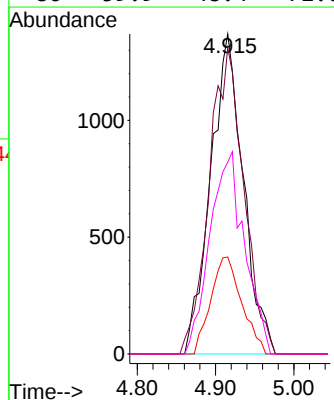
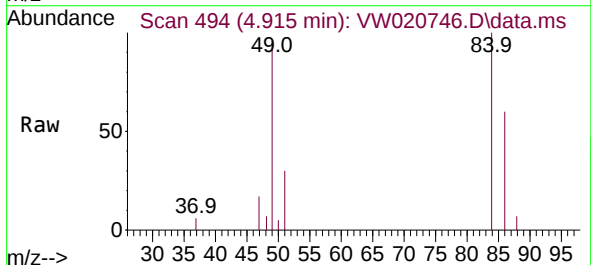
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

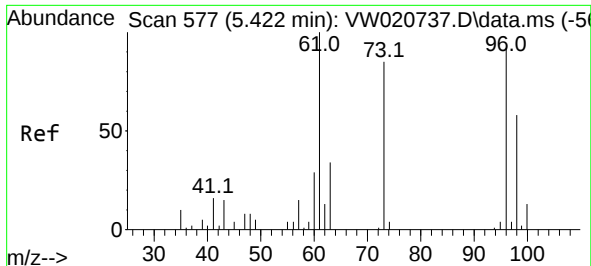
Tgt Ion: 73 Resp: 613  
Ion Ratio Lower Upper  
73 100  
57 0.0 14.4 21.6#



#20  
Methylene Chloride  
Concen: 11.058 ug/l  
RT: 4.915 min Scan# 494  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 84 Resp: 3970  
Ion Ratio Lower Upper  
84 100  
49 95.8 72.6 108.8  
51 30.3 19.7 29.5#  
86 59.9 48.4 72.6

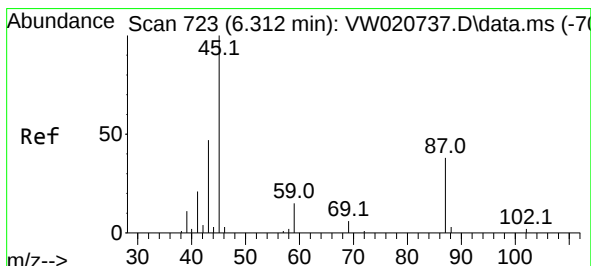
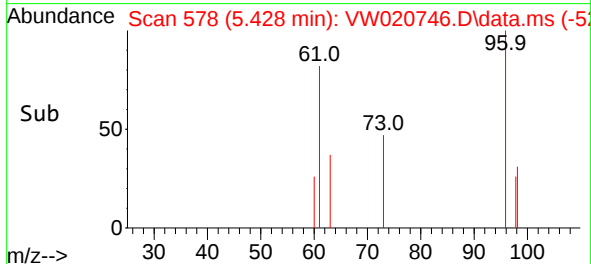
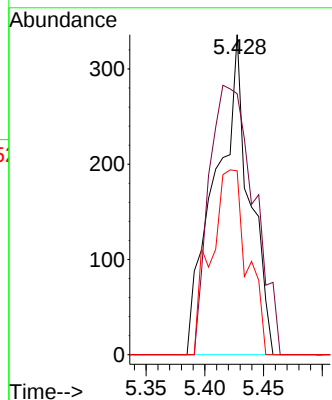
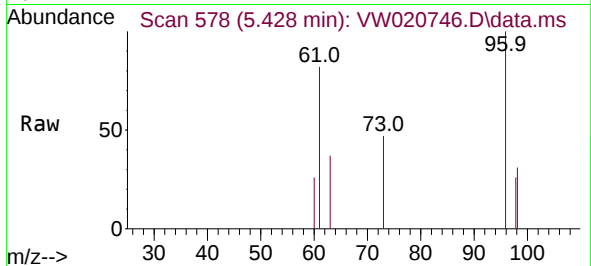




#21  
trans-1,2-Dichloroethene  
Concen: 2.376 ug/l  
RT: 5.428 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

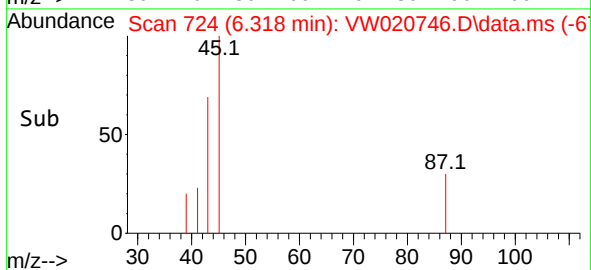
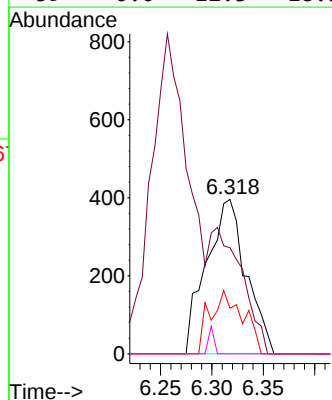
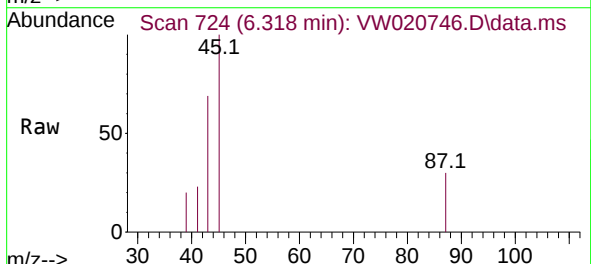
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

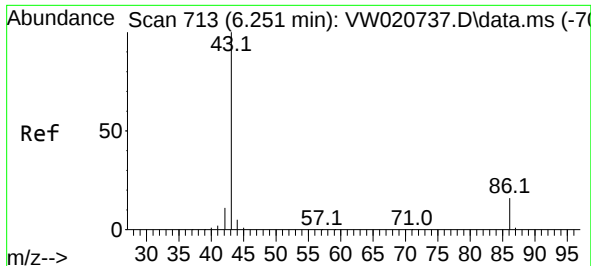
Tgt Ion: 96 Resp: 674  
Ion Ratio Lower Upper  
96 100  
61 81.5 87.2 130.8#  
98 57.4 50.9 76.3



#22  
Diisopropyl ether  
Concen: 2.112 ug/l  
RT: 6.318 min Scan# 724  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 45 Resp: 1066  
Ion Ratio Lower Upper  
45 100  
43 68.7 44.3 66.5#  
87 29.5 31.4 47.0#  
59 0.0 12.3 18.5#

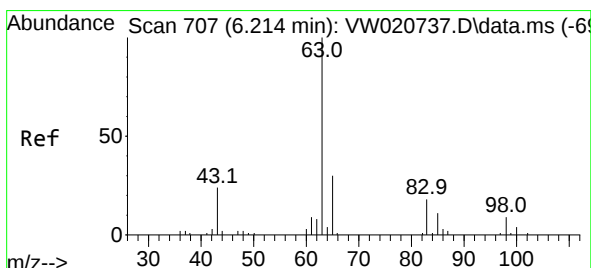
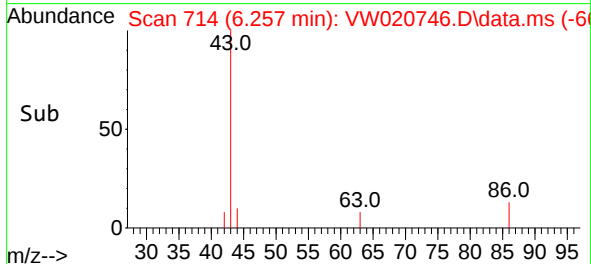
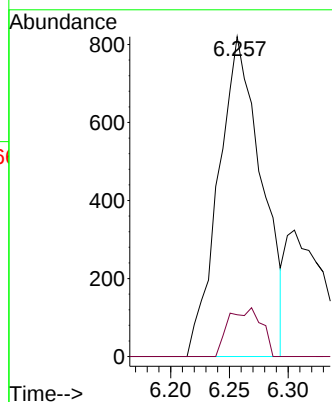
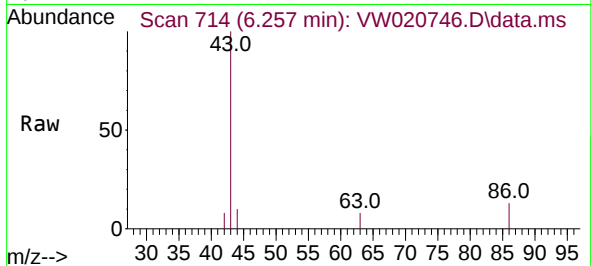




#23  
 Vinyl Acetate  
 Concen: 7.507 ug/l  
 RT: 6.257 min Scan# 713  
 Delta R.T. 0.006 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

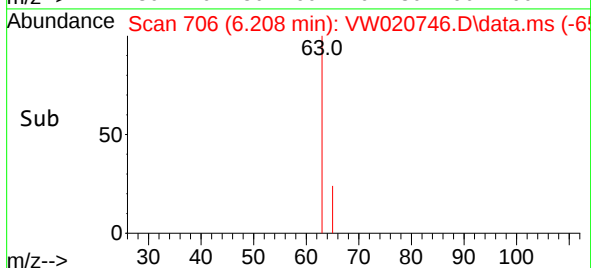
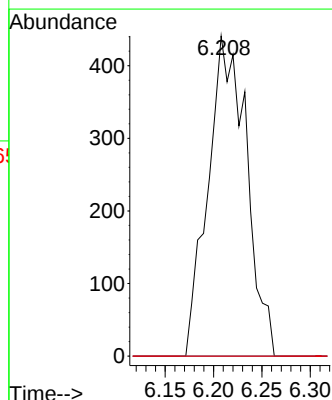
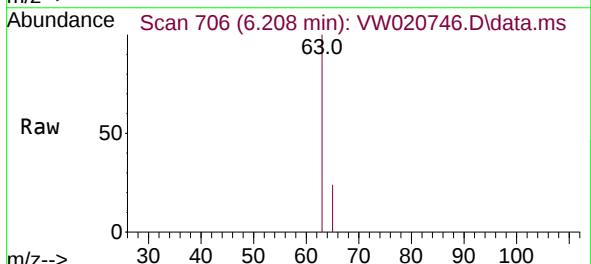
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

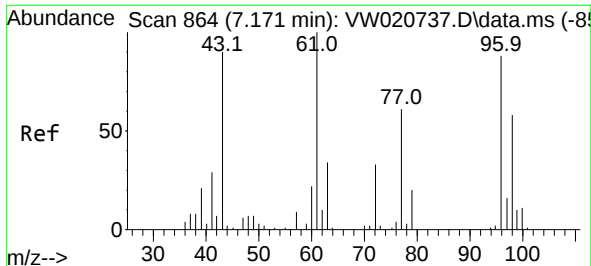
Tgt Ion: 43 Resp: 2093  
 Ion Ratio Lower Upper  
 43 100  
 86 13.0 13.0 19.4



#24  
 1,1-Dichloroethane  
 Concen: 2.809 ug/l  
 RT: 6.208 min Scan# 706  
 Delta R.T. -0.006 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

Tgt Ion: 63 Resp: 1221  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 4.4 13.2#  
 100 0.0 2.1 6.2#

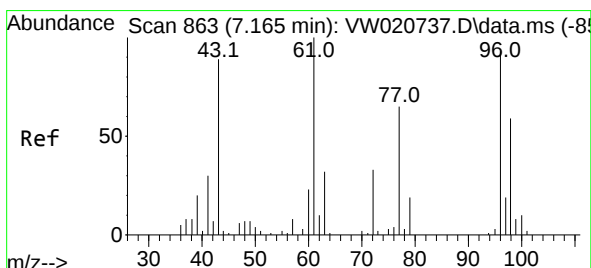
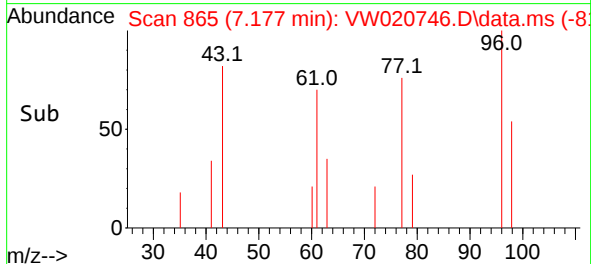
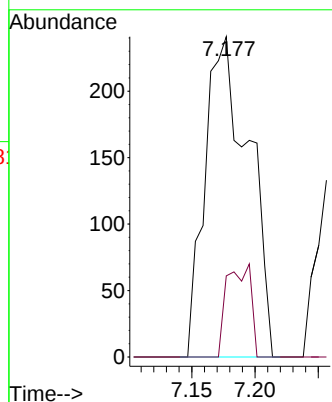
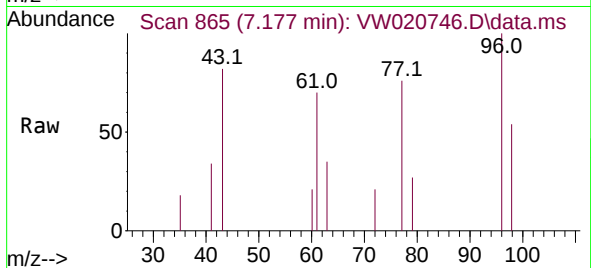




#25  
2-Butanone  
Concen: 10.902 ug/l  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

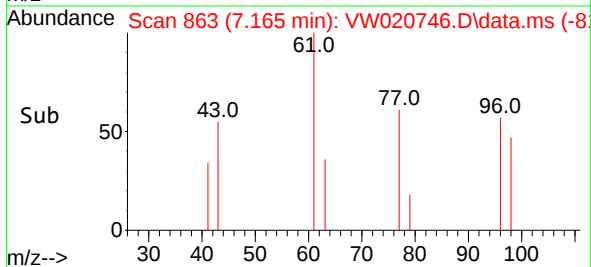
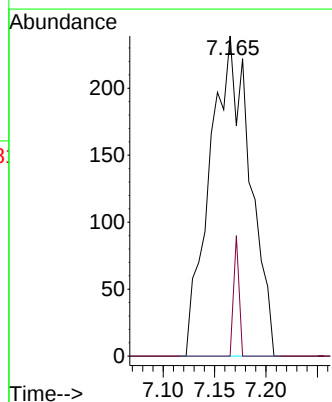
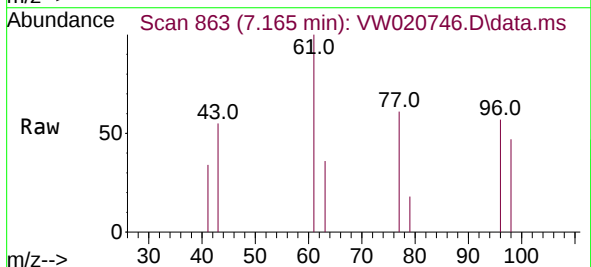
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

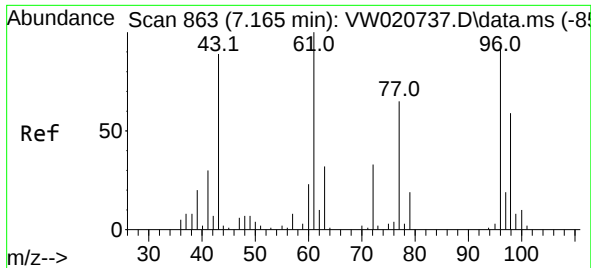
Tgt Ion: 43 Resp: 578  
Ion Ratio Lower Upper  
43 100  
72 25.3 29.3 43.9#



#26  
2,2-Dichloropropane  
Concen: 2.488 ug/l  
RT: 7.165 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 77 Resp: 648  
Ion Ratio Lower Upper  
77 100  
97 5.1 13.5 40.5#





#27

cis-1,2-Dichloroethene

Concen: 2.526 ug/l

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

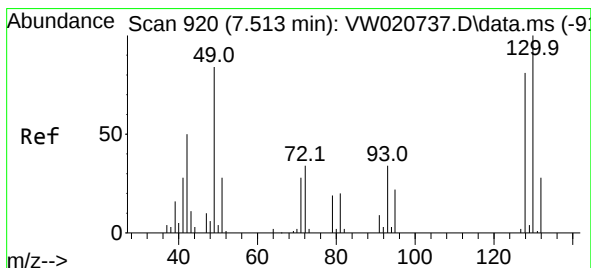
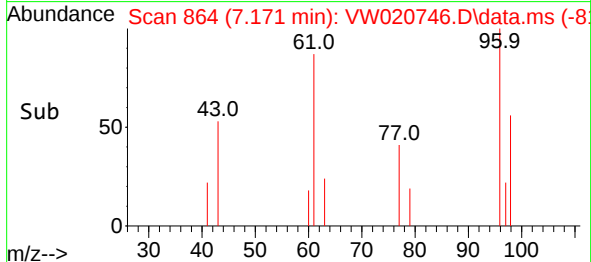
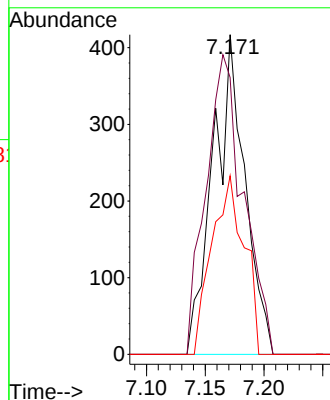
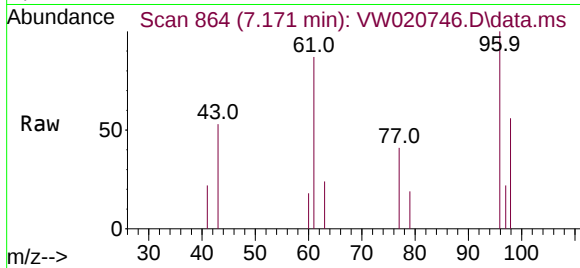
MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 96 Resp: 786

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 109.9 | 0.0   | 234.8 |
| 98  | 56.9  | 0.0   | 135.4 |



#28

Bromochloromethane

Concen: 2.752 ug/l

RT: 7.513 min Scan# 920

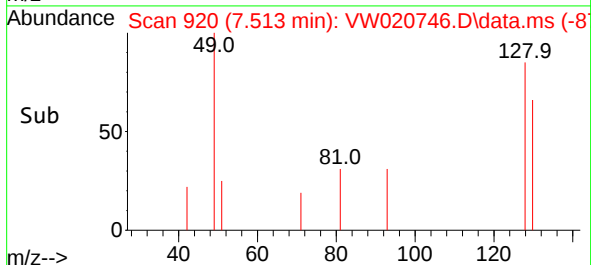
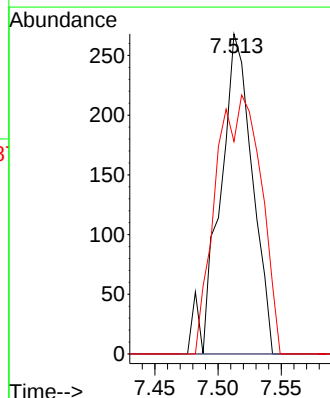
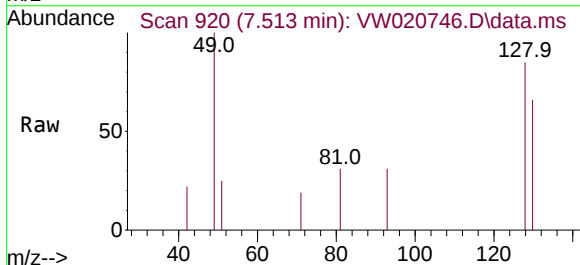
Delta R.T. -0.000 min

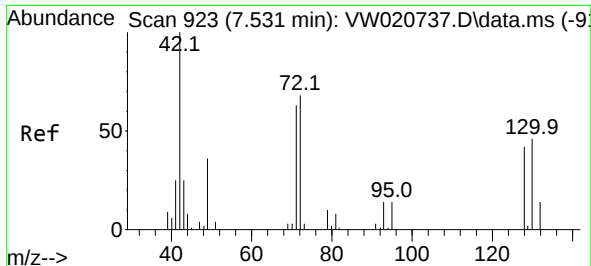
Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Tgt Ion: 49 Resp: 478

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 7.6   |
| 130 | 113.2 | 88.2  | 132.2 |





#29

Tetrahydrofuran

Concen: 10.131 ug/l

RT: 7.543 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW020746.D

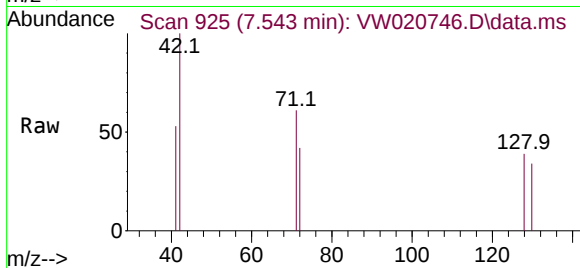
Acq: 02 Nov 2021 19:16

Instrument :

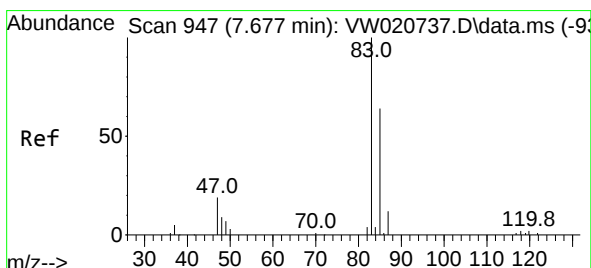
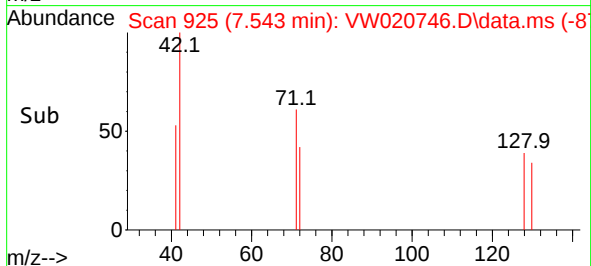
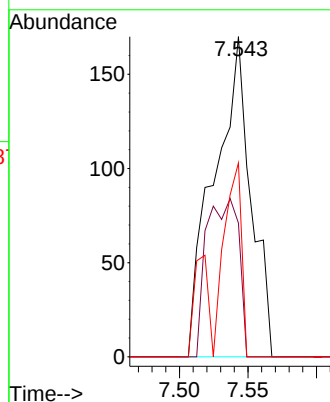
MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



|             |                 |
|-------------|-----------------|
| Tgt Ion: 42 | Resp: 317       |
| Ion Ratio   | Lower Upper     |
| 42          | 100             |
| 72          | 43.2 53.0 79.4# |
| 71          | 28.4 49.4 74.2# |



#30

Chloroform

Concen: 2.858 ug/l

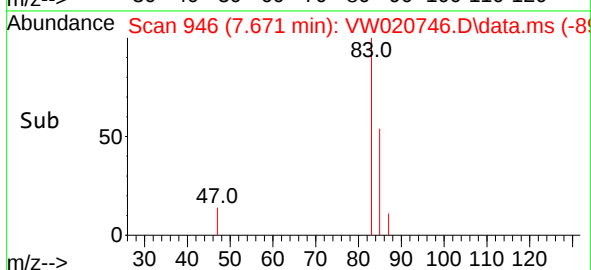
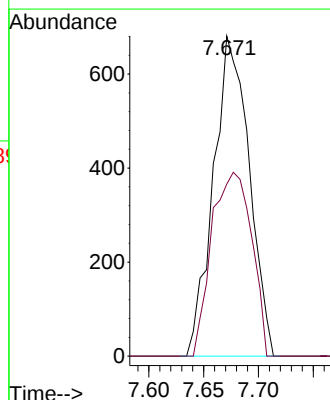
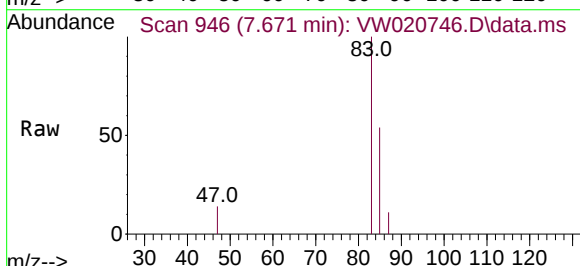
RT: 7.671 min Scan# 946

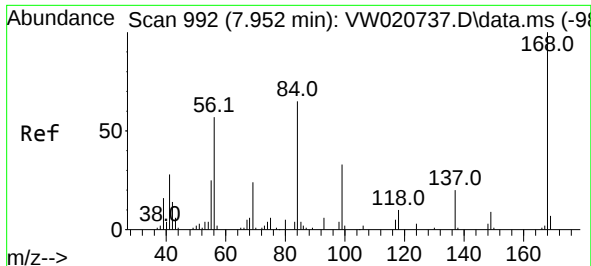
Delta R.T. -0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

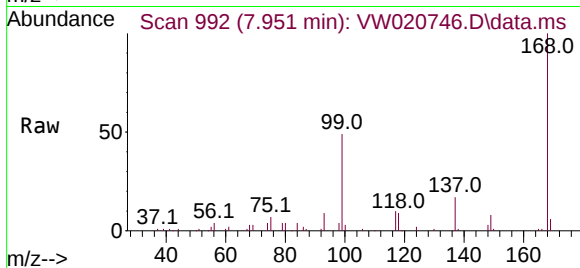
|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 1544     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 53.7 51.2 76.8 |



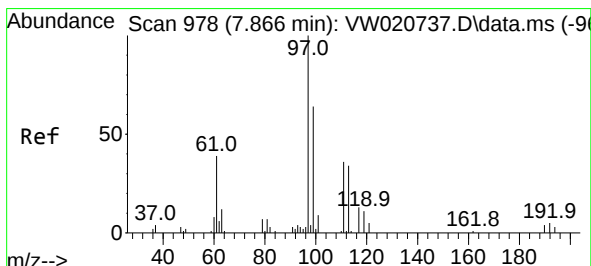
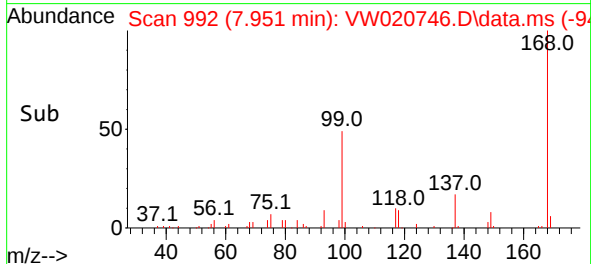
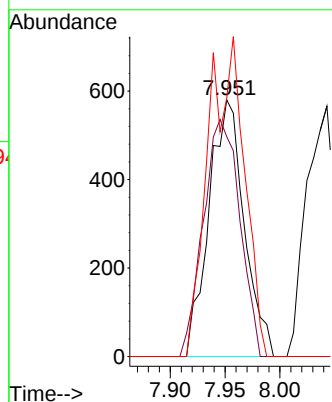


#31  
Cyclohexane  
Concen: 3.388 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.001 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

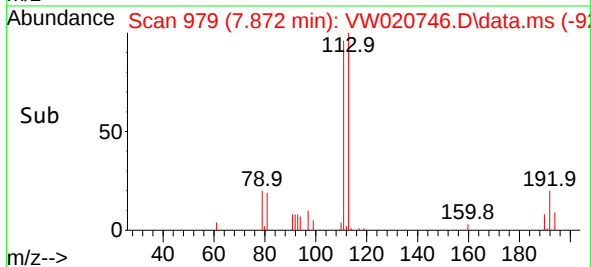
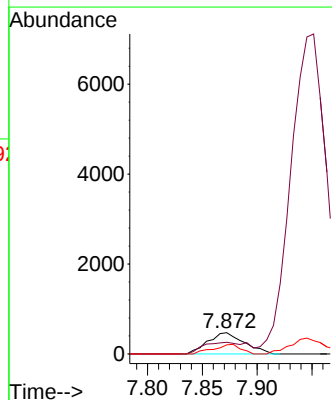
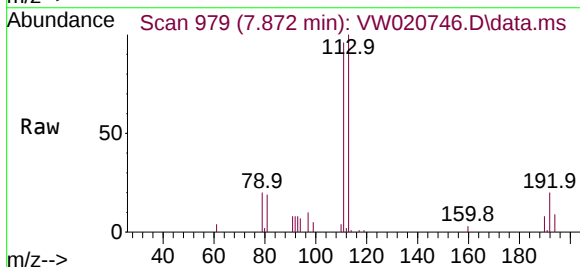


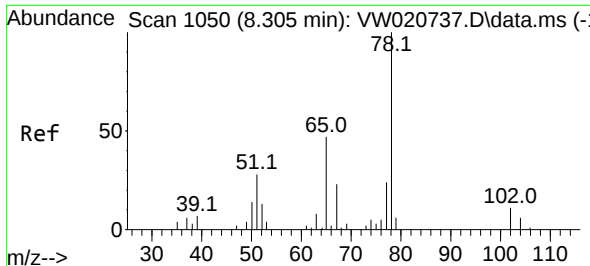
Tgt Ion: 56 Resp: 1298  
Ion Ratio Lower Upper  
56 100  
69 85.7 34.2 51.2#  
84 100.7 92.3 138.5



#32  
1,1,1-Trichloroethane  
Concen: 2.525 ug/l  
RT: 7.872 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 97 Resp: 1086  
Ion Ratio Lower Upper  
97 100  
99 66.9 52.1 78.1  
61 33.7 30.2 45.2

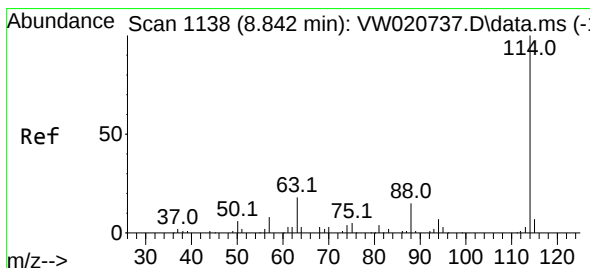
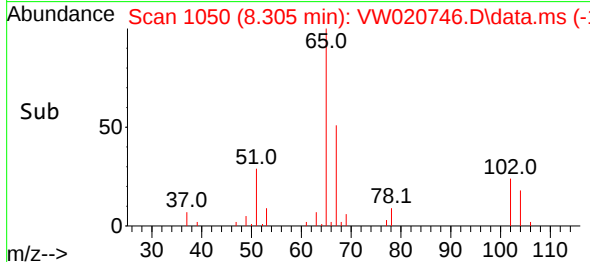
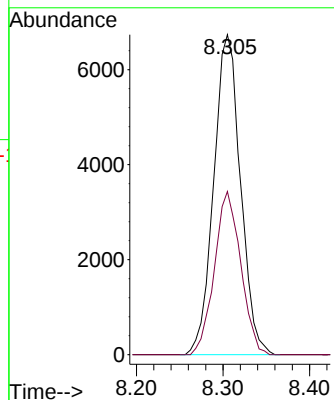
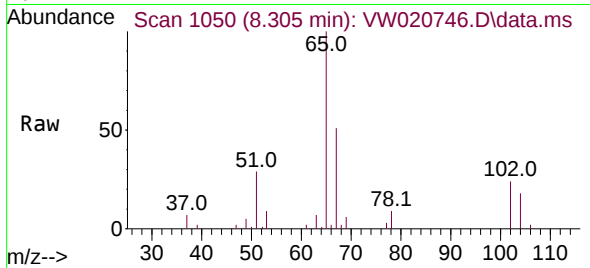




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.822 ug/l  
 RT: 8.305 min Scan# 110  
 Delta R.T. 0.000 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

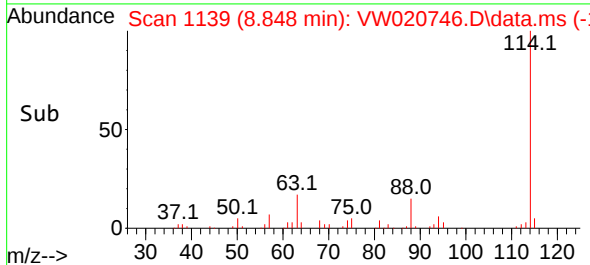
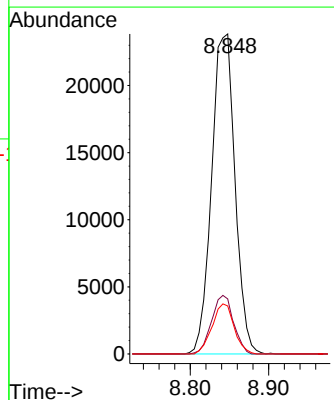
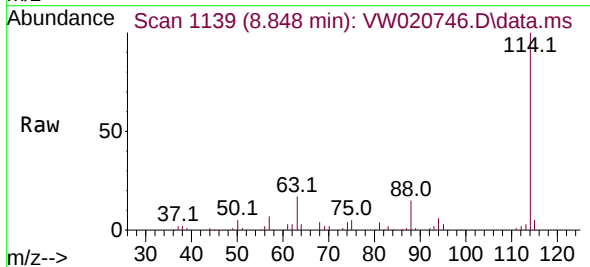
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

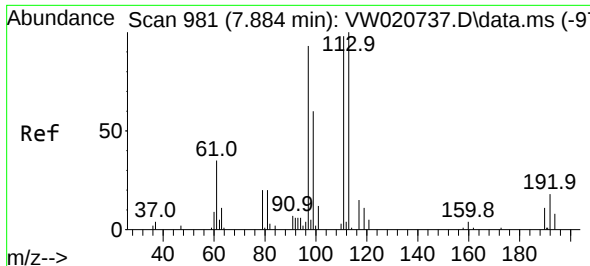
Tgt Ion: 65 Resp: 14450  
 Ion Ratio Lower Upper  
 65 100  
 67 50.1 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.848 min Scan# 1139  
 Delta R.T. 0.006 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

Tgt Ion: 114 Resp: 49539  
 Ion Ratio Lower Upper  
 114 100  
 63 17.2 0.0 35.8  
 88 15.0 0.0 30.8

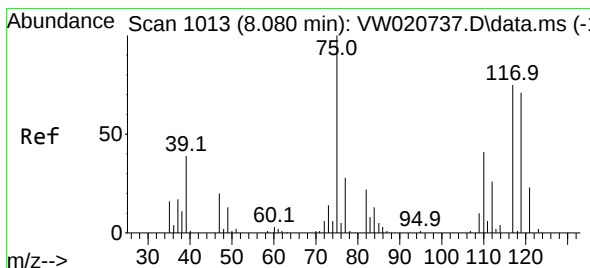
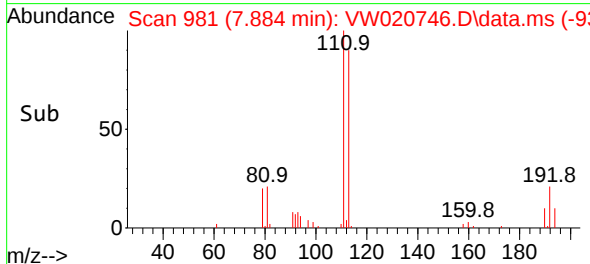
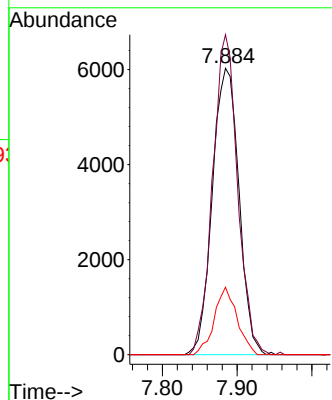
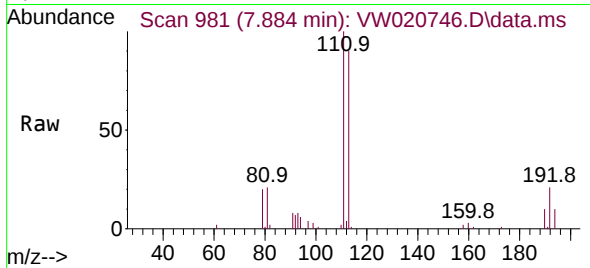




#35  
Dibromofluoromethane  
Concen: 47.313 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

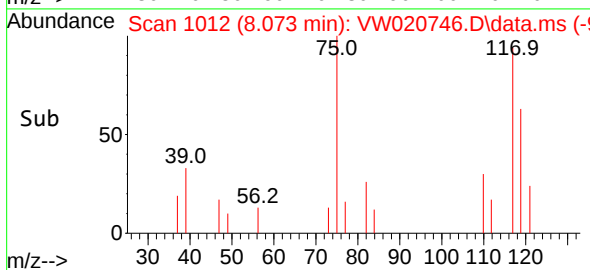
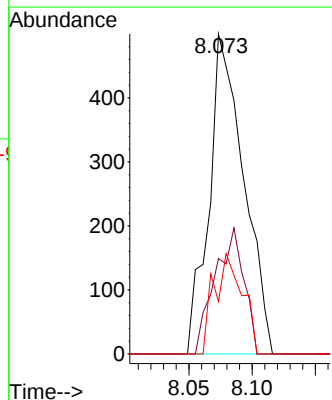
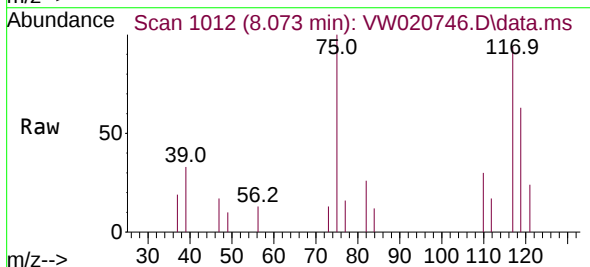
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

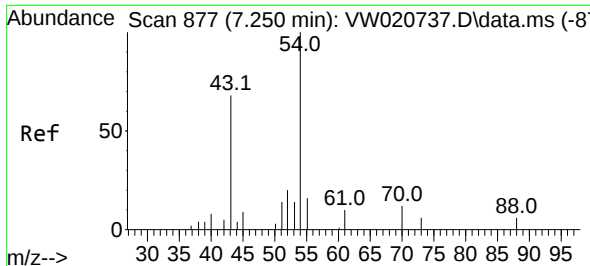
Tgt Ion:113 Resp: 14896  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.7 122.5  
192 20.2 14.7 22.1



#36  
1,1-Dichloropropene  
Concen: 2.398 ug/l  
RT: 8.073 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 75 Resp: 956  
Ion Ratio Lower Upper  
75 100  
110 32.8 20.3 60.8  
77 25.6 24.2 36.4

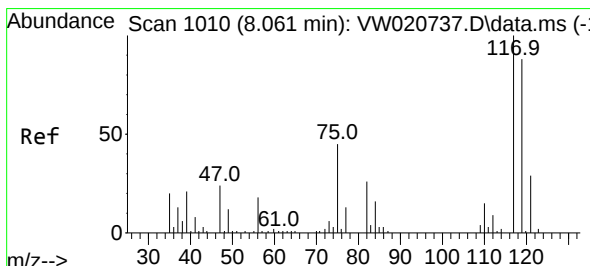
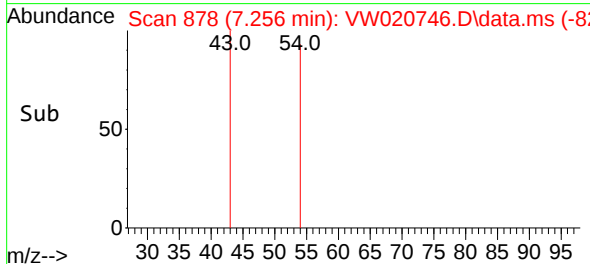
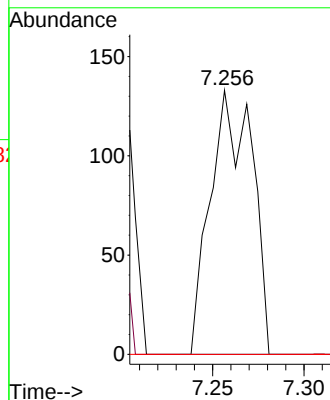
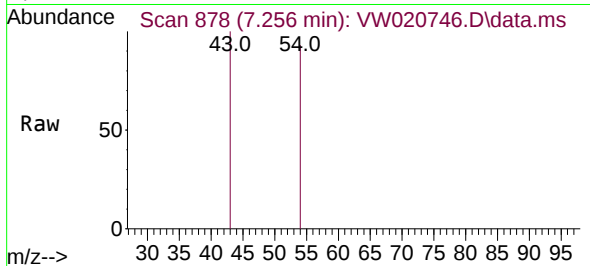




#37  
Ethyl Acetate  
Concen: 1.692 ug/l  
RT: 7.256 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

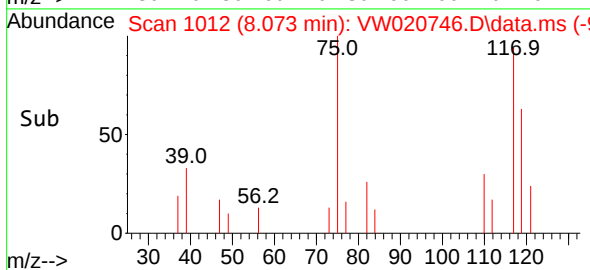
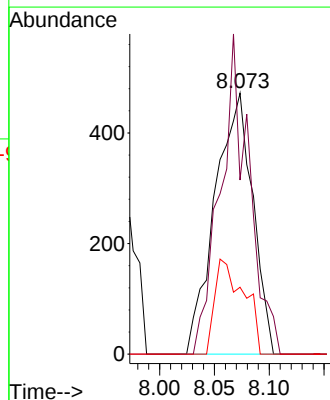
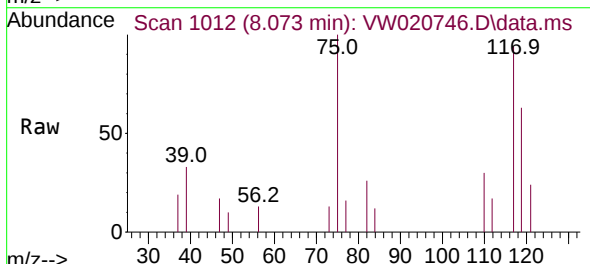
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

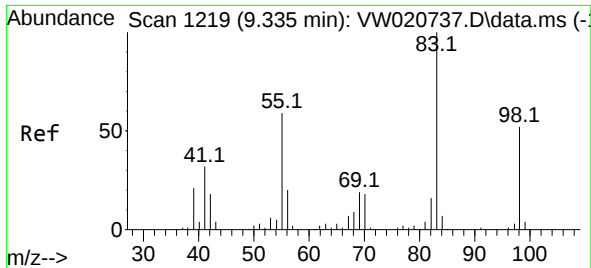
Tgt Ion: 43 Resp: 212  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.4 20.0#  
70 0.0 11.4 17.0#



#38  
Carbon Tetrachloride  
Concen: 2.642 ug/l  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.012 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 117 Resp: 1128  
Ion Ratio Lower Upper  
117 100  
119 66.7 70.6 106.0#  
121 25.6 23.3 34.9





#39

Methylcyclohexane

Concen: 2.195 ug/l

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020746.D

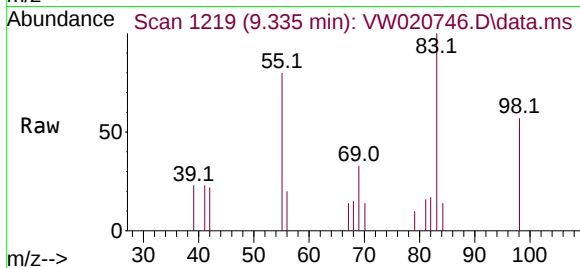
Acq: 02 Nov 2021 19:16

Instrument :

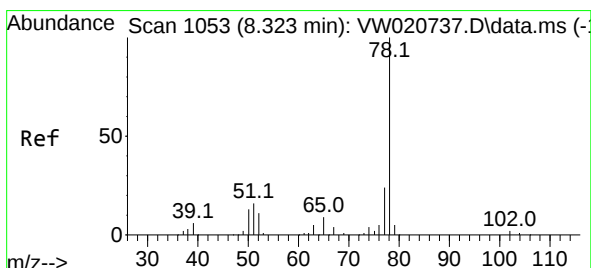
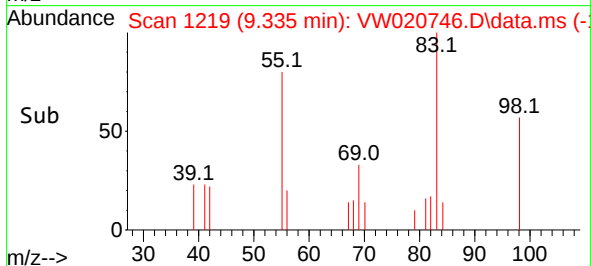
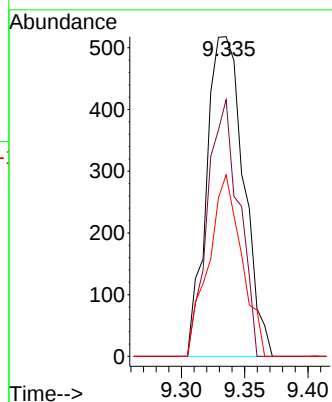
MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



|             |                 |
|-------------|-----------------|
| Tgt Ion: 83 | Resp: 1056      |
| Ion Ratio   | Lower Upper     |
| 83          | 100             |
| 55          | 80.3 47.4 71.0# |
| 98          | 56.8 41.8 62.6  |



#40

Benzene

Concen: 3.539 ug/l

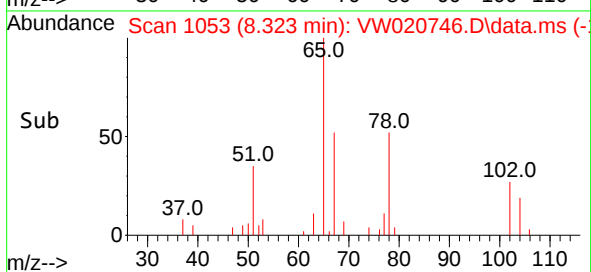
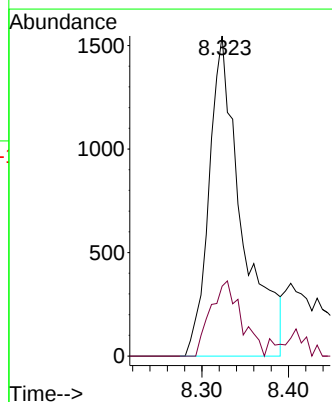
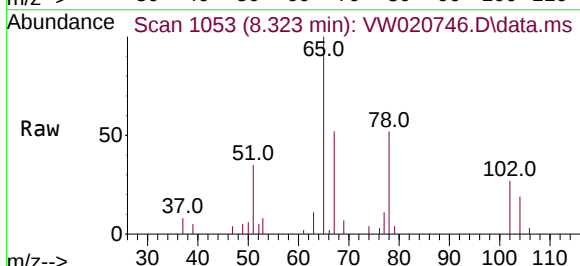
RT: 8.323 min Scan# 1053

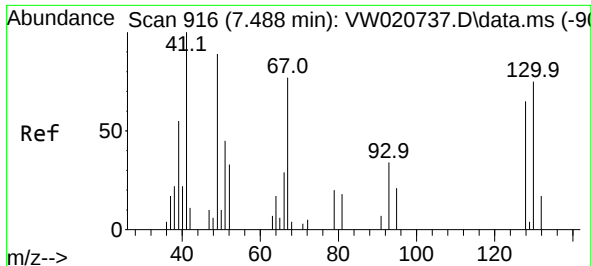
Delta R.T. -0.000 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

|             |                |
|-------------|----------------|
| Tgt Ion: 78 | Resp: 4065     |
| Ion Ratio   | Lower Upper    |
| 78          | 100            |
| 77          | 21.8 19.0 28.4 |

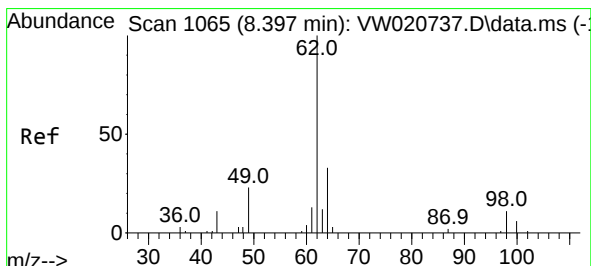
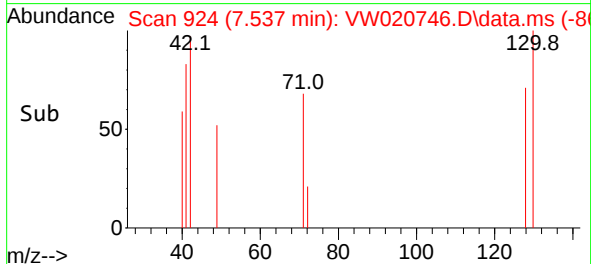
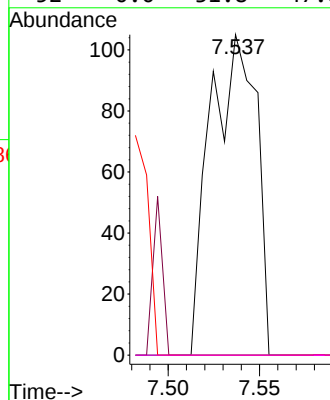
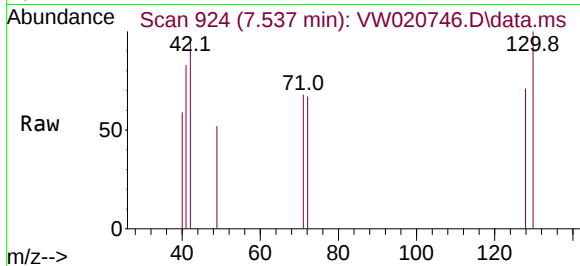




#41  
Methacrylonitrile  
Concen: 2.979 ug/l  
RT: 7.537 min Scan# 916  
Delta R.T. 0.049 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

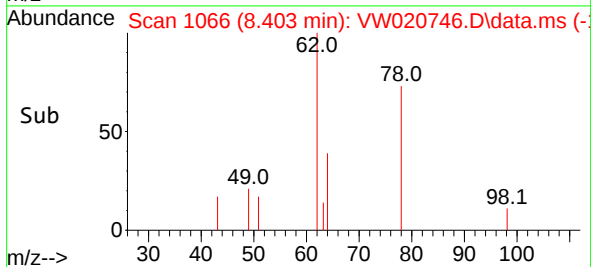
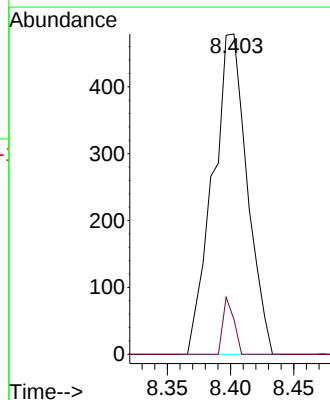
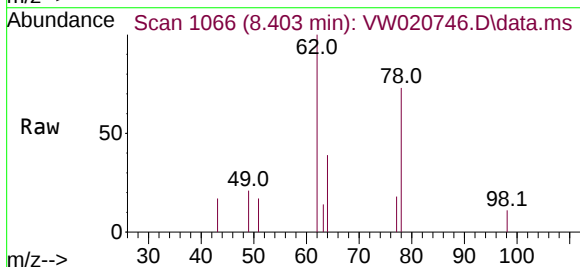
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

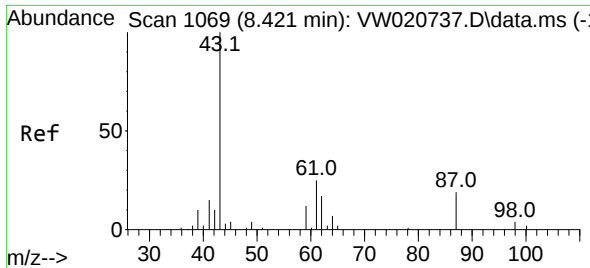
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 41 | Resp: | 184         |
| Ion         | Ratio | Lower Upper |
| 41          | 100   |             |
| 39          | 0.0   | 51.6 77.4#  |
| 67          | 0.0   | 81.0 121.4# |
| 52          | 0.0   | 31.8 47.8#  |



#42  
1,2-Dichloroethane  
Concen: 2.755 ug/l  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 62 | Resp: | 904   |       |
| Ion         | Ratio | Lower | Upper |
| 62          | 100   |       |       |
| 98          | 5.5   | 0.0   | 21.6  |

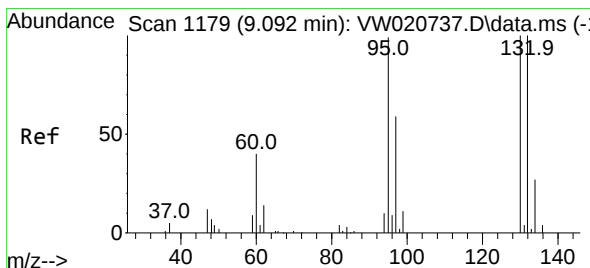
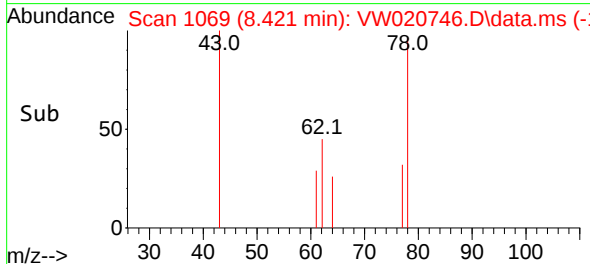
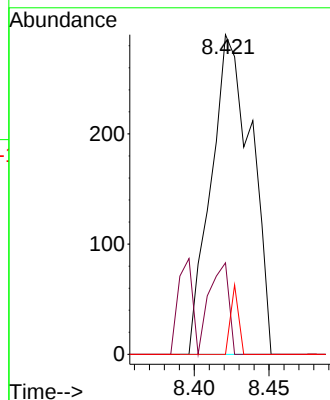
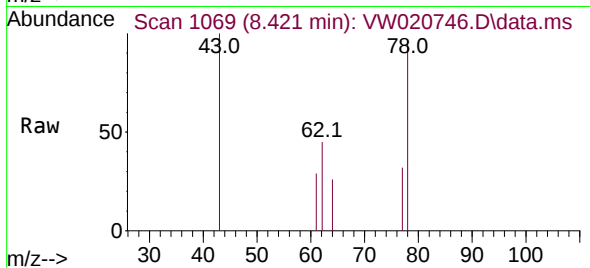




#43  
Isopropyl Acetate  
Concen: 2.302 ug/l  
RT: 8.421 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

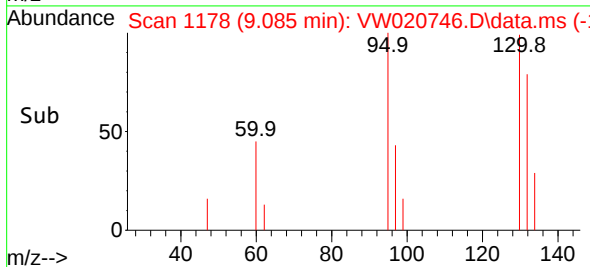
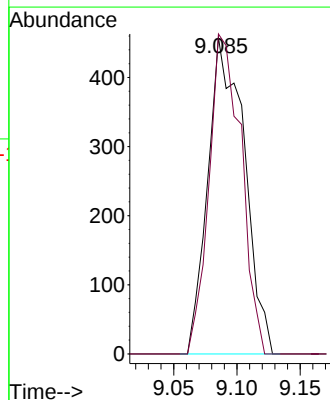
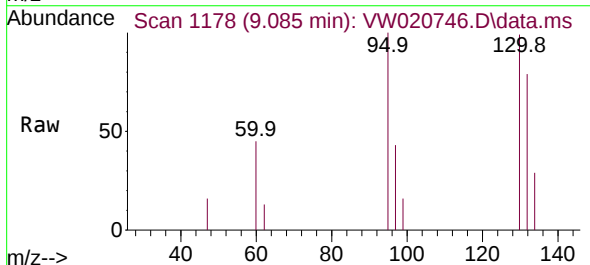
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

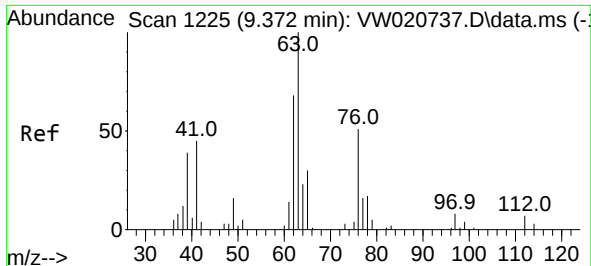
Tgt Ion: 43 Resp: 543  
Ion Ratio Lower Upper  
43 100  
61 14.0 30.0 45.0#  
87 4.2 15.0 22.4#



#44  
Trichloroethene  
Concen: 2.599 ug/l  
RT: 9.085 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion:130 Resp: 916  
Ion Ratio Lower Upper  
130 100  
95 101.1 0.0 198.6





#45

1,2-Dichloropropane

Concen: 2.422 ug/l

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

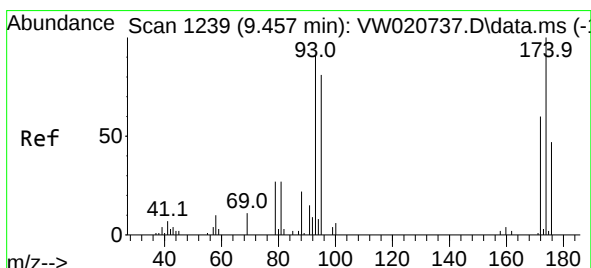
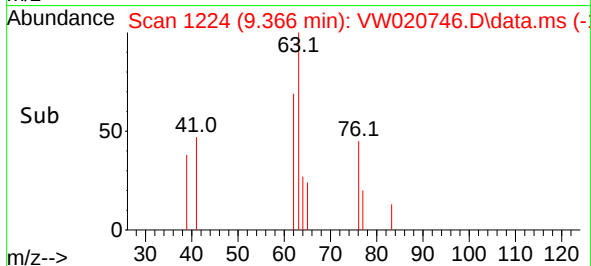
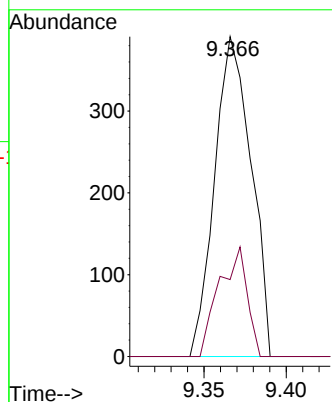
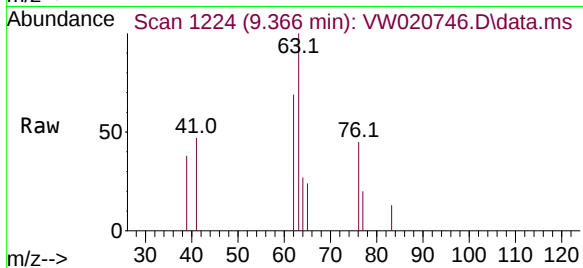
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 63 Resp: 602

Ion Ratio Lower Upper

63 100

65 24.0 24.2 36.2#



#46

Dibromomethane

Concen: 2.441 ug/l

RT: 9.451 min Scan# 1238

Delta R.T. -0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

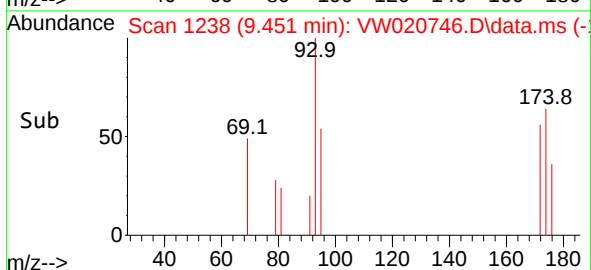
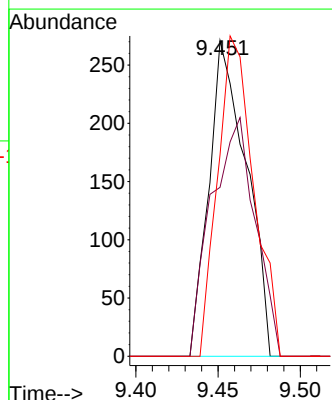
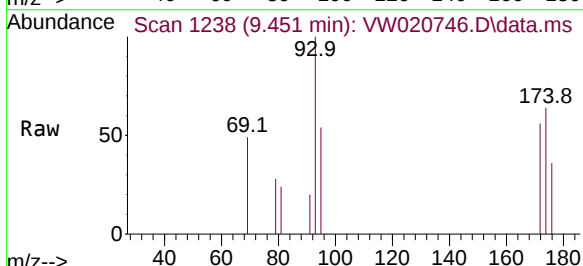
Tgt Ion: 93 Resp: 428

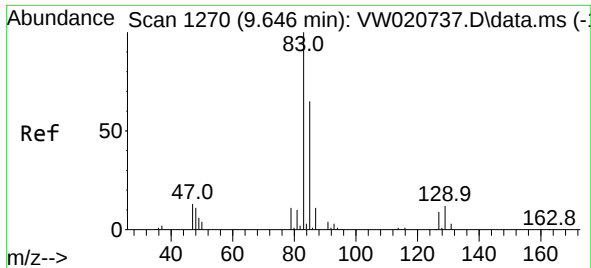
Ion Ratio Lower Upper

93 100

95 88.6 68.6 103.0

174 97.7 87.8 131.8

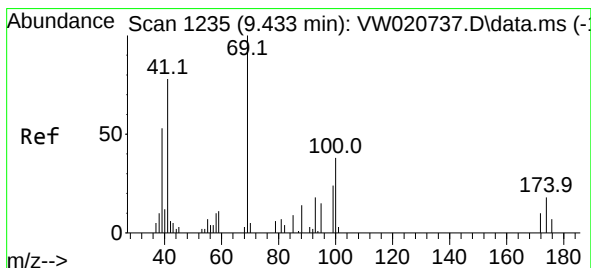
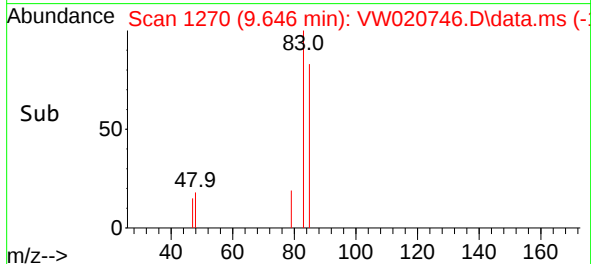
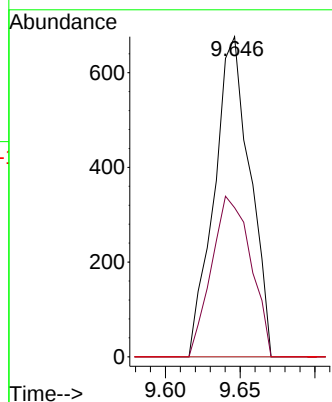
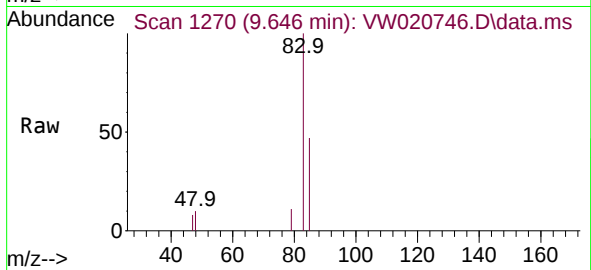




#47  
Bromodichloromethane  
Concen: 2.744 ug/l  
RT: 9.646 min Scan# 1125  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

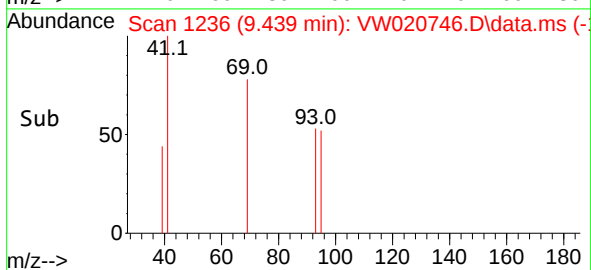
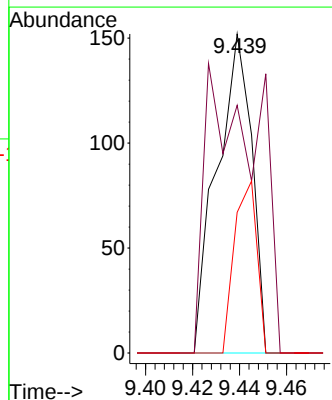
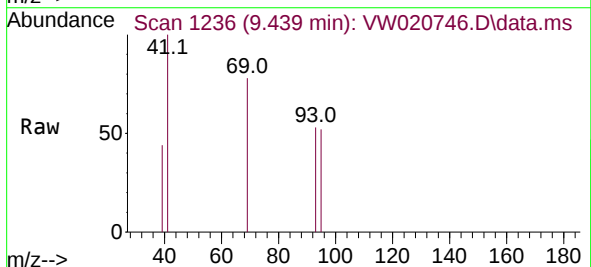
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

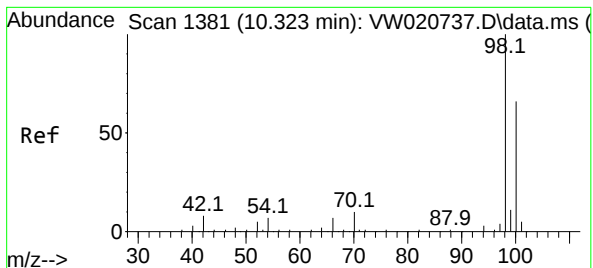
Tgt Ion: 83 Resp: 1125  
Ion Ratio Lower Upper  
83 100  
85 46.6 51.9 77.9#  
127 0.0 7.6 11.4#



#48  
Methyl methacrylate  
Concen: 1.464 ug/l  
RT: 9.439 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 41 Resp: 157  
Ion Ratio Lower Upper  
41 100  
69 131.8 96.4 144.6  
39 35.0 51.9 77.9#





#50

Toluene-d8

Concen: 46.952 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

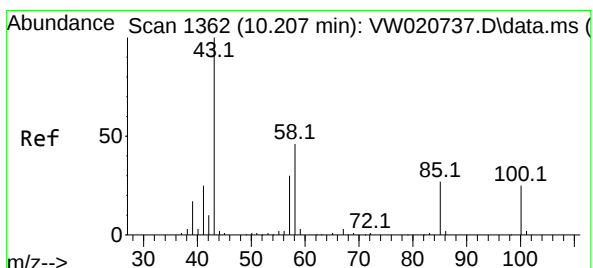
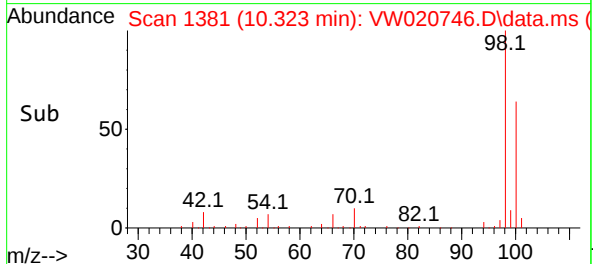
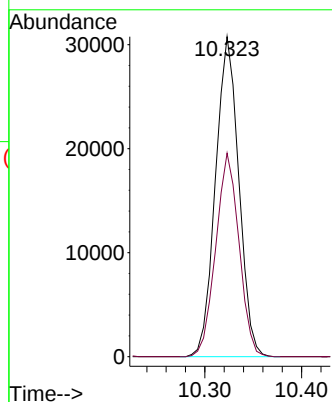
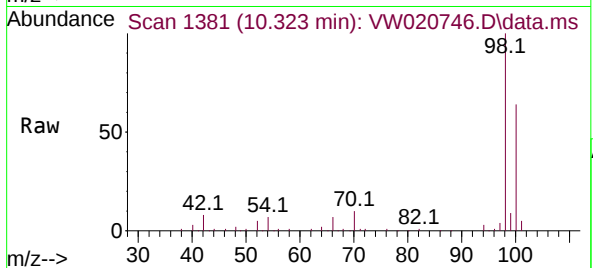
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 98 Resp: 51483

Ion Ratio Lower Upper

98 100

100 63.4 50.2 75.4



#51

4-Methyl-2-Pentanone

Concen: 10.297 ug/l

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW020746.D

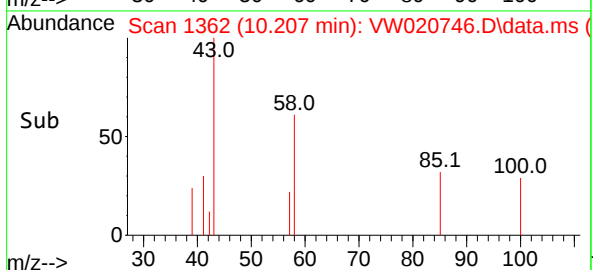
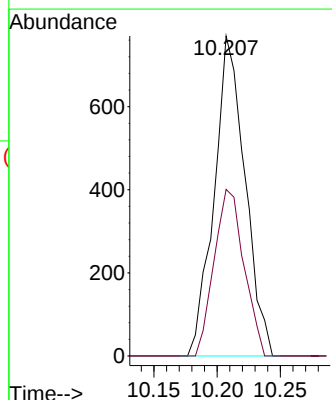
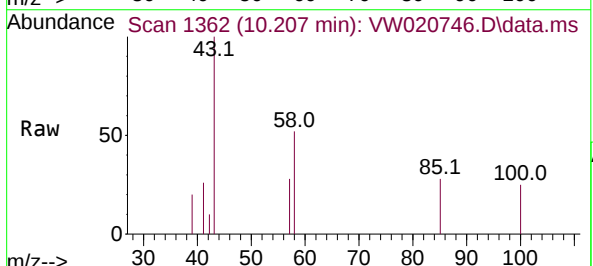
Acq: 02 Nov 2021 19:16

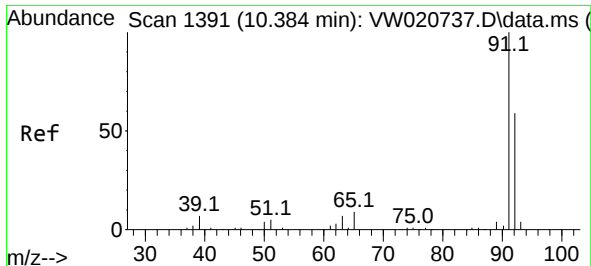
Tgt Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 50.3 37.4 56.2

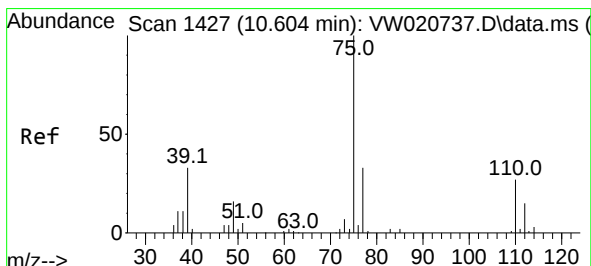
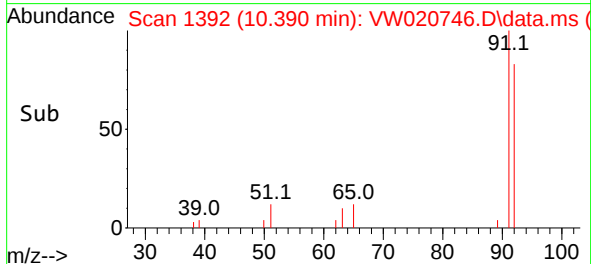
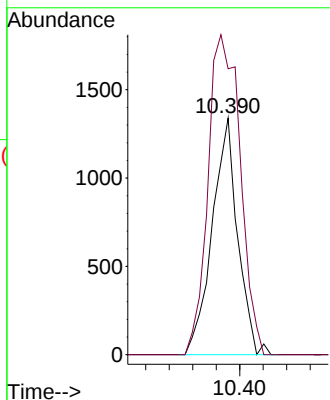
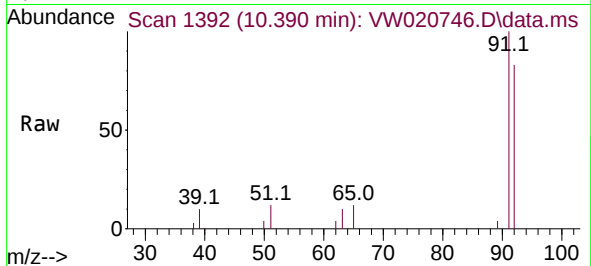




#52  
Toluene  
Concen: 2.706 ug/l  
RT: 10.390 min Scan# 1391  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

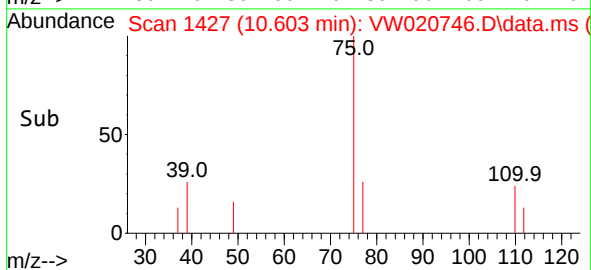
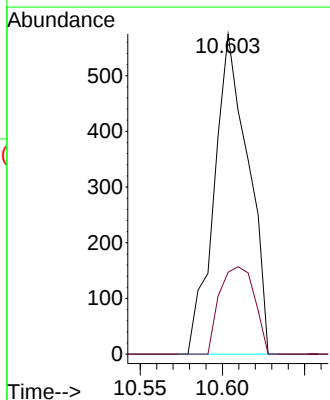
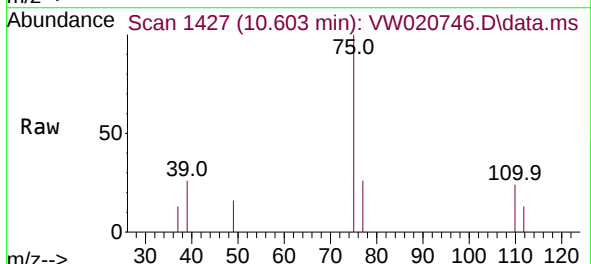
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

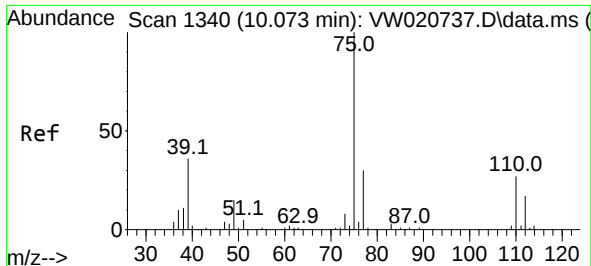
Tgt Ion: 92 Resp: 2018  
Ion Ratio Lower Upper  
92 100  
91 170.8 144.3 216.5



#53  
t-1,3-Dichloropropene  
Concen: 2.198 ug/l  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 75 Resp: 828  
Ion Ratio Lower Upper  
75 100  
77 25.6 26.1 39.1#

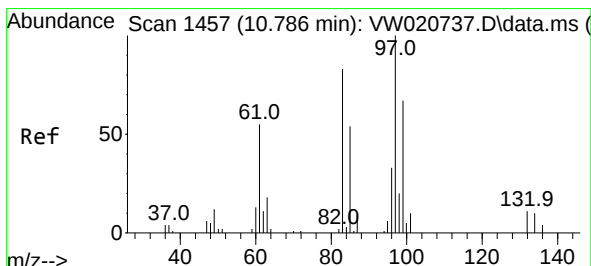
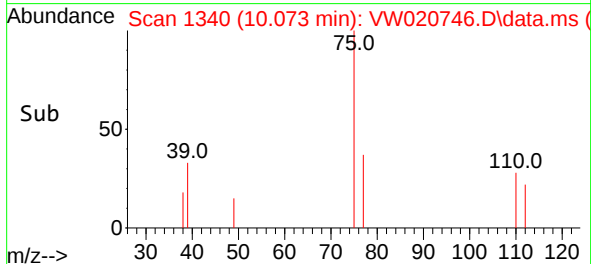
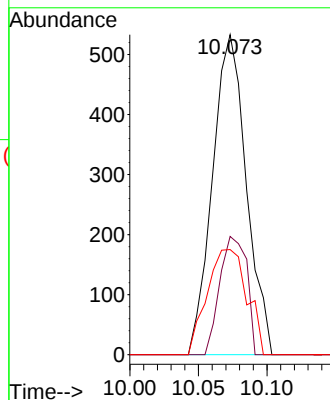
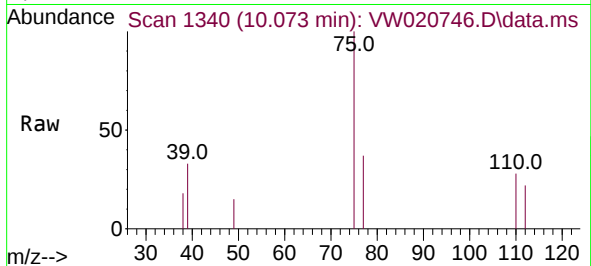




#54  
 cis-1,3-Dichloropropene  
 Concen: 2.132 ug/l  
 RT: 10.073 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

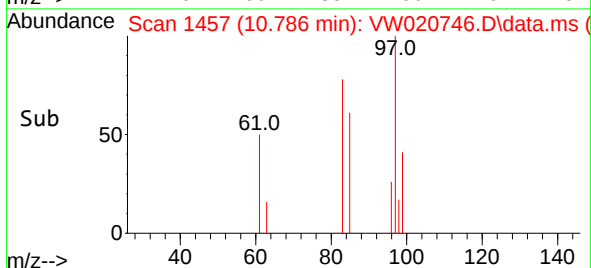
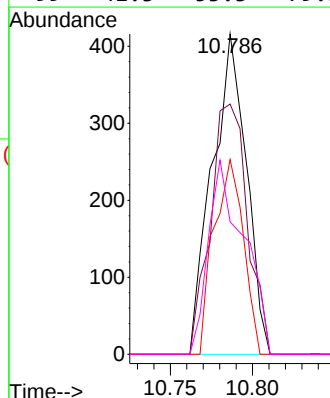
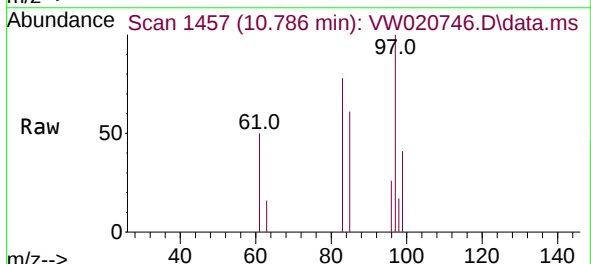
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2021

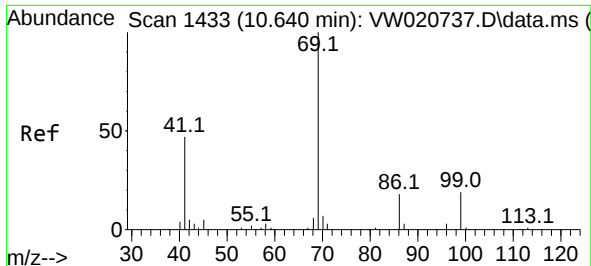
Tgt Ion: 75 Resp: 915  
 Ion Ratio Lower Upper  
 75 100  
 77 37.0 24.2 36.4#  
 39 32.8 29.2 43.8



#55  
 1,1,2-Trichloroethane  
 Concen: 2.495 ug/l  
 RT: 10.786 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VW020746.D  
 Acq: 02 Nov 2021 19:16

Tgt Ion: 97 Resp: 602  
 Ion Ratio Lower Upper  
 97 100  
 83 78.1 66.5 99.7  
 85 60.8 43.0 64.6  
 99 41.3 53.3 79.9#

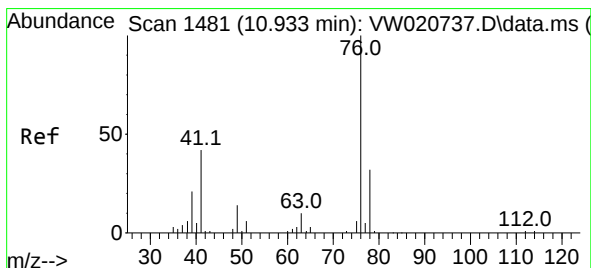
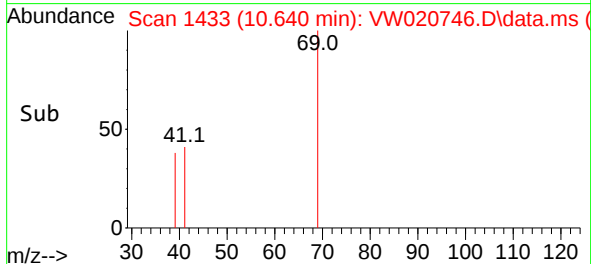
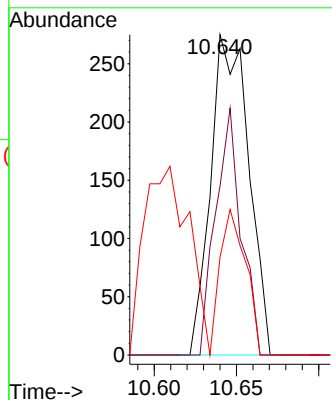
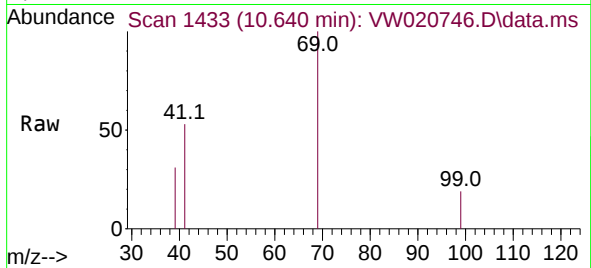




#56  
Ethyl methacrylate  
Concen: 1.726 ug/l  
RT: 10.640 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

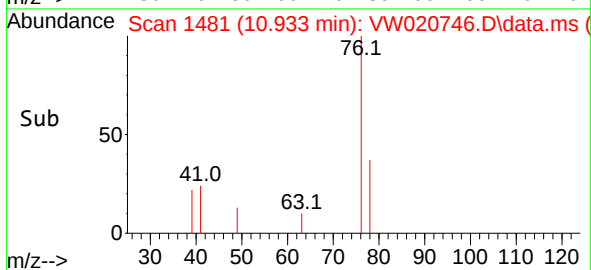
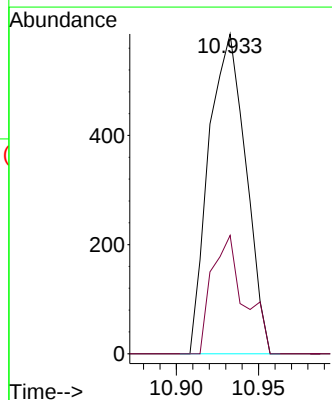
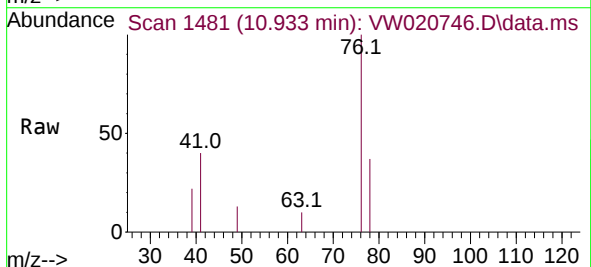
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

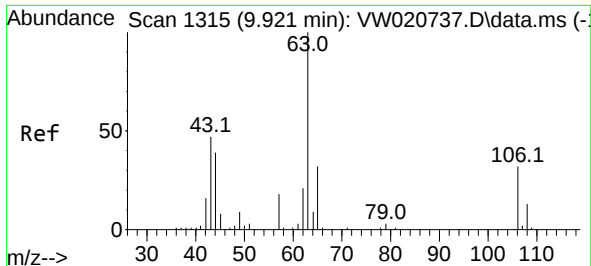
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 441   |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 51.9  | 39.2  | 58.8  |
| 39       | 30.8  | 26.5  | 39.7  |



#57  
1,3-Dichloropropane  
Concen: 2.418 ug/l  
RT: 10.933 min Scan# 1481  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 918   |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 32.4  | 26.7  | 40.1  |

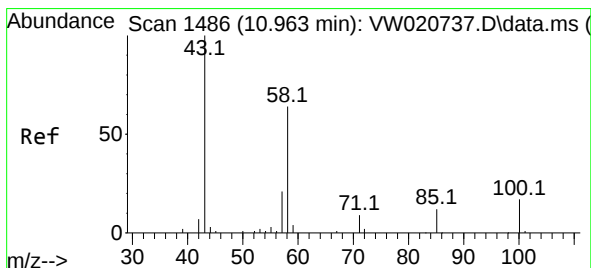
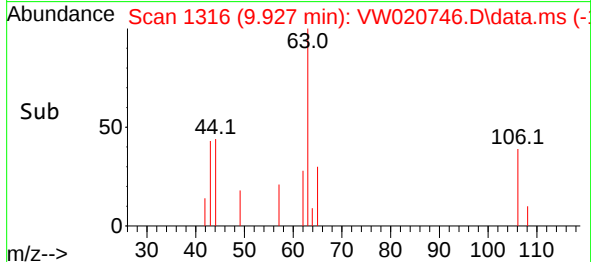
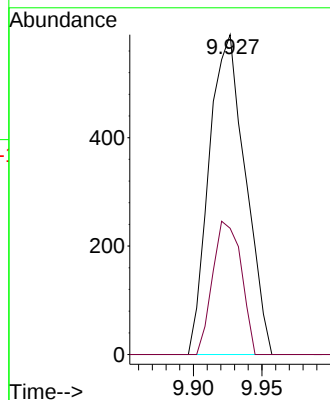
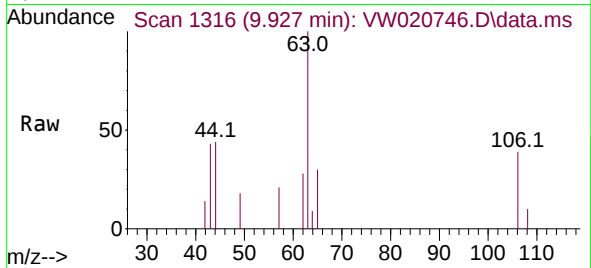




#58  
2-Chloroethyl Vinyl ether  
Concen: 9.749 ug/l  
RT: 9.927 min Scan# 1316  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

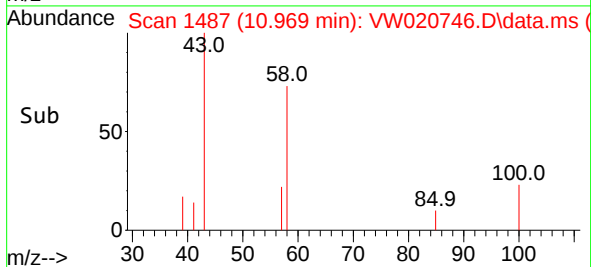
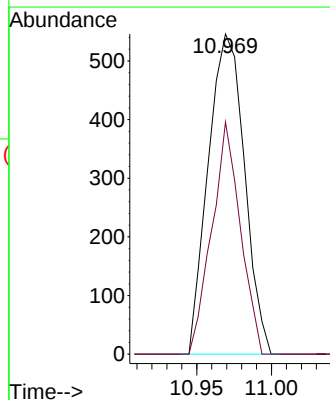
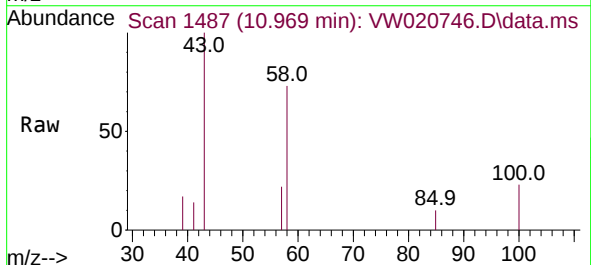
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

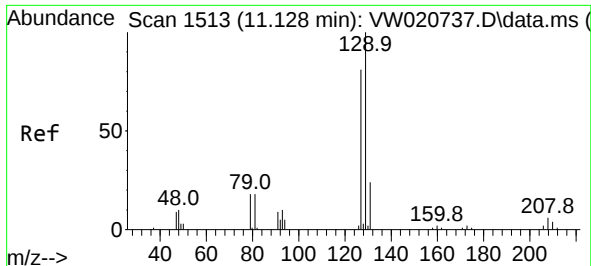
Tgt Ion: 63 Resp: 1084  
Ion Ratio Lower Upper  
63 100  
106 32.8 27.4 41.0



#59  
2-Hexanone  
Concen: 10.373 ug/l  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 43 Resp: 919  
Ion Ratio Lower Upper  
43 100  
58 57.1 32.5 97.4

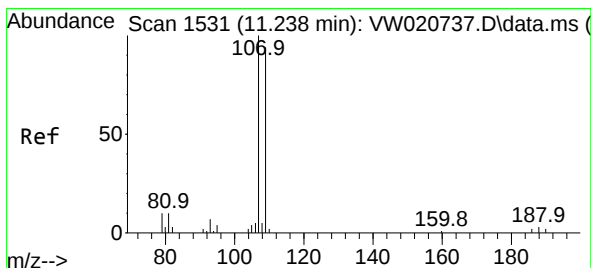
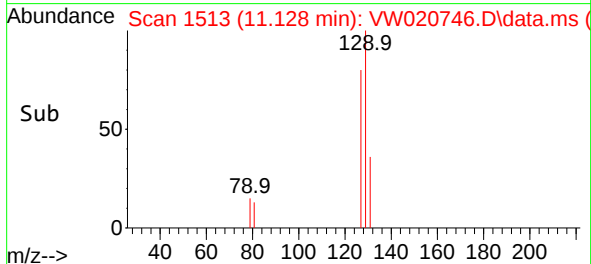
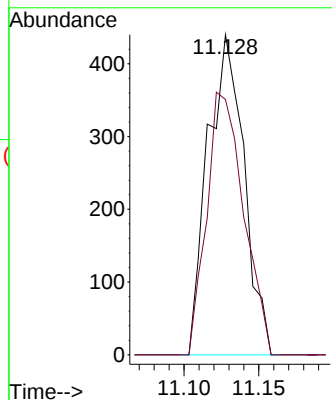
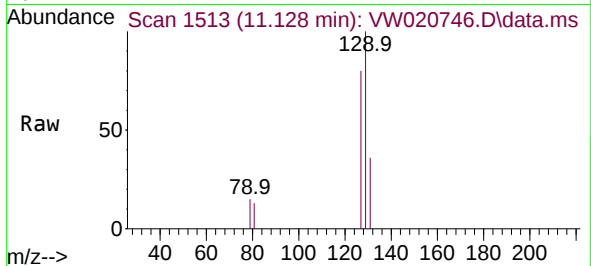




#60  
Dibromochloromethane  
Concen: 2.461 ug/l  
RT: 11.128 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

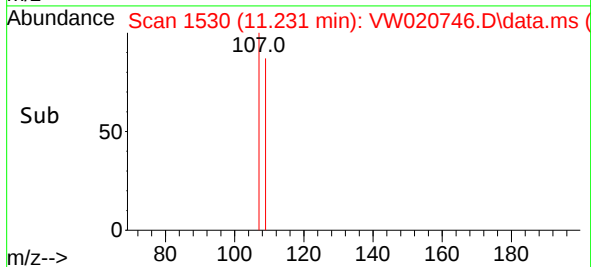
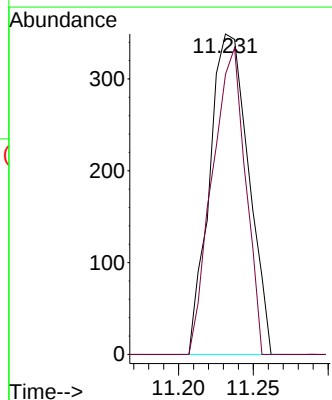
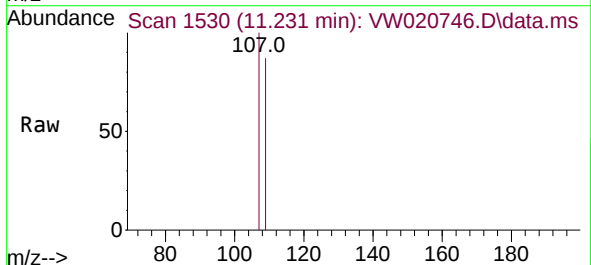
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

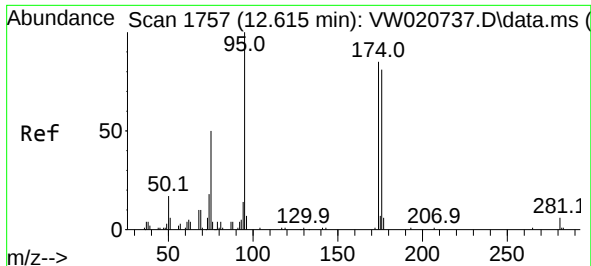
Tgt Ion:129 Resp: 740  
Ion Ratio Lower Upper  
129 100  
127 83.8 39.4 118.1



#61  
1,2-Dibromoethane  
Concen: 2.633 ug/l  
RT: 11.231 min Scan# 1530  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion:107 Resp: 632  
Ion Ratio Lower Upper  
107 100  
109 81.5 75.0 112.6

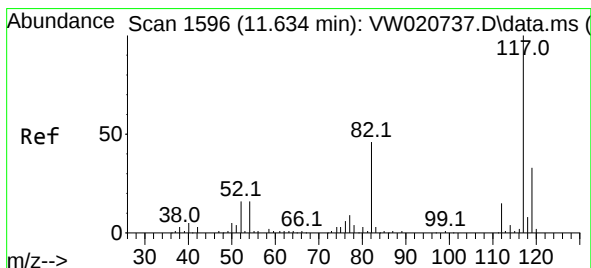
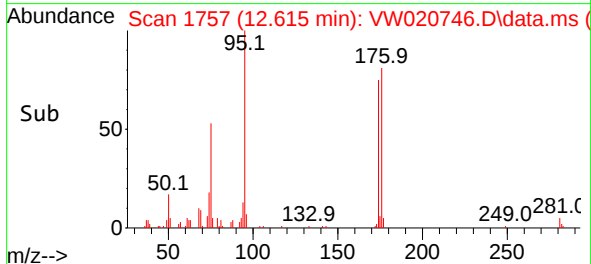
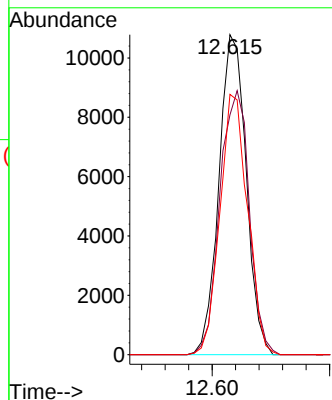
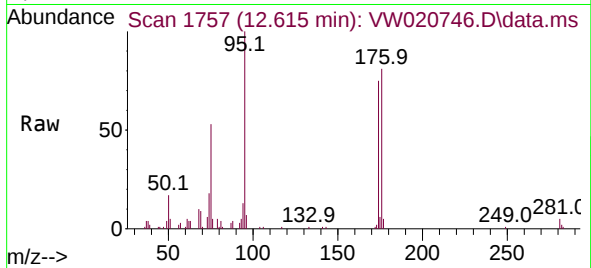




#62  
4-Bromofluorobenzene  
Concen: 44.945 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

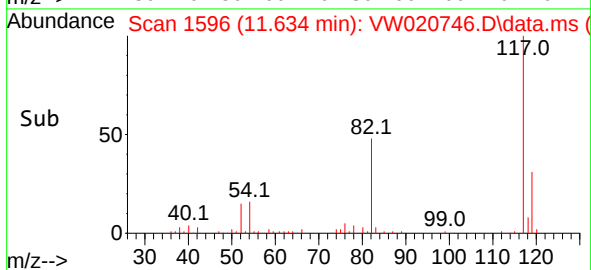
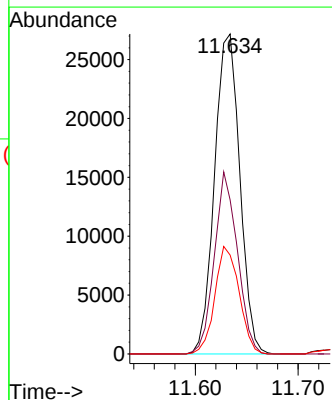
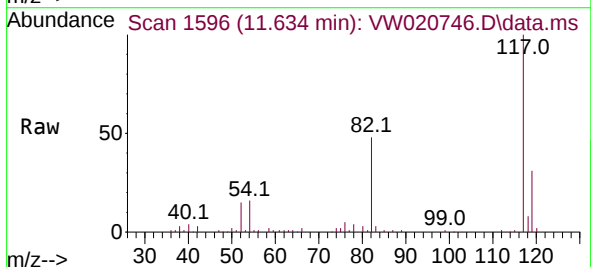
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

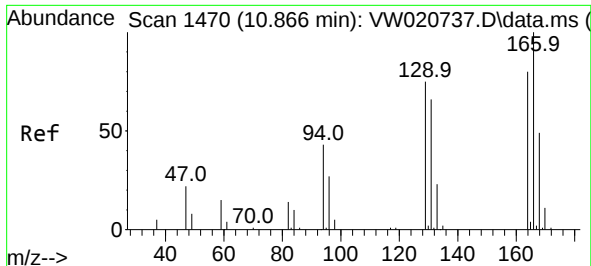
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 17365 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 89.1  | 0.0   | 182.8 |
| 176      | 82.9  | 0.0   | 170.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 46407 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.2  | 37.0  | 55.4  |
| 119      | 30.9  | 26.0  | 39.0  |



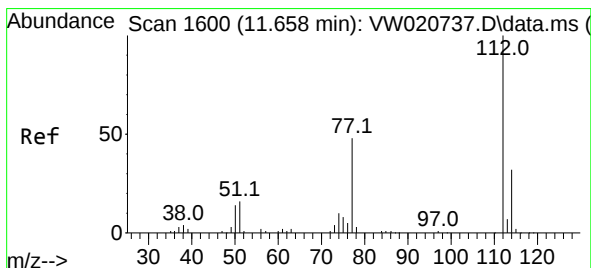
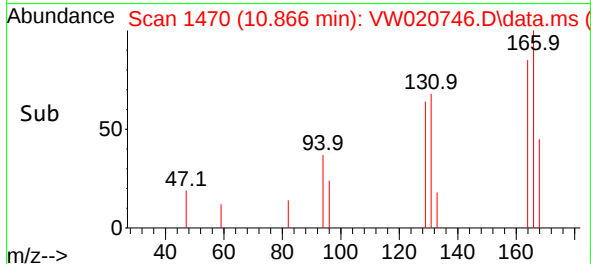
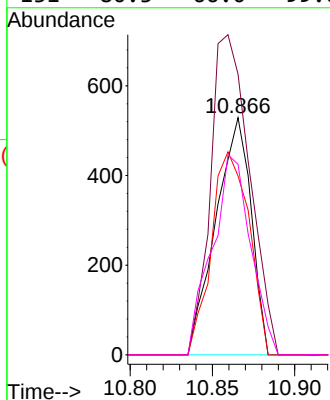
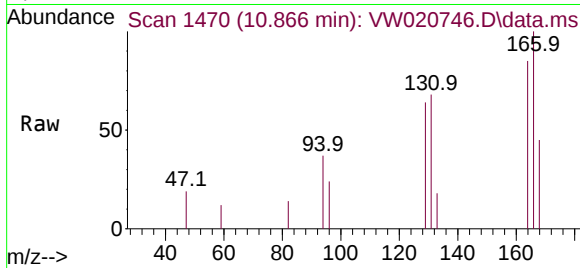


#64  
Tetrachloroethene  
Concen: 2.605 ug/l  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:164 Resp: 789

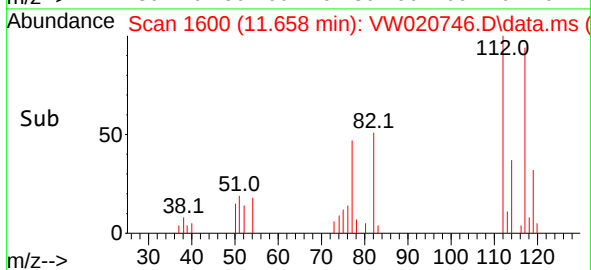
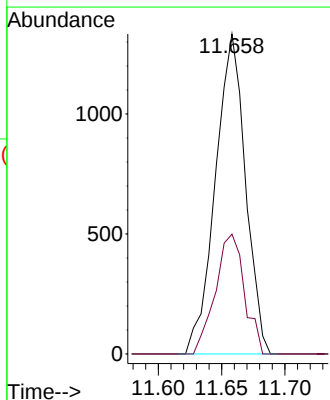
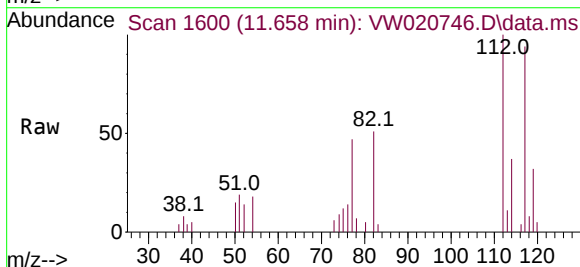
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 166 | 118.3 | 100.5 | 150.7  |
| 129 | 75.4  | 75.5  | 113.3# |
| 131 | 80.3  | 66.0  | 99.0   |

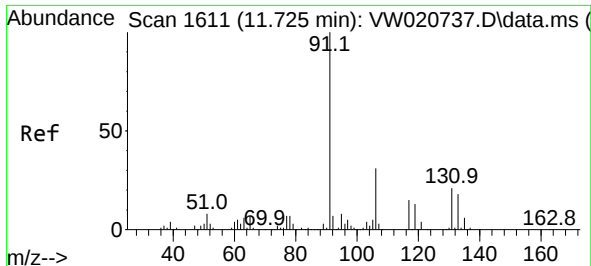


#65  
Chlorobenzene  
Concen: 2.528 ug/l  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion:112 Resp: 2202

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 37.4  | 25.9  | 38.9  |

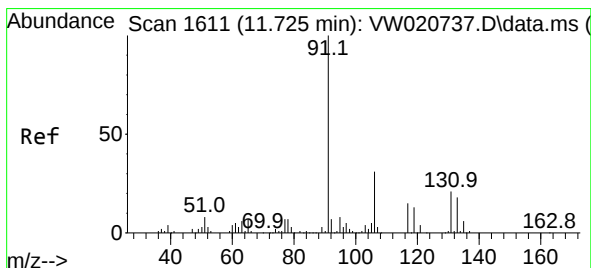
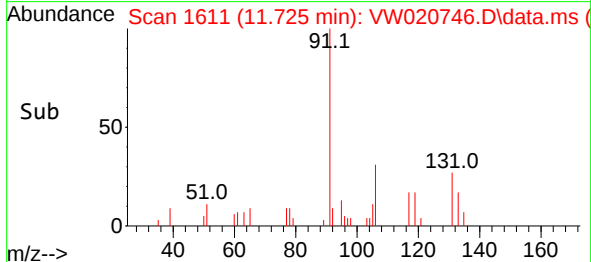
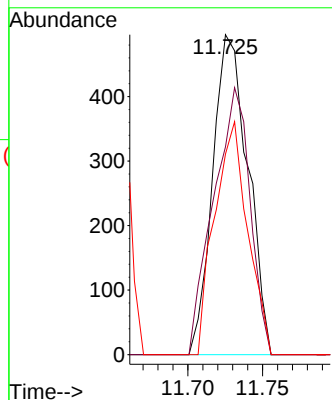
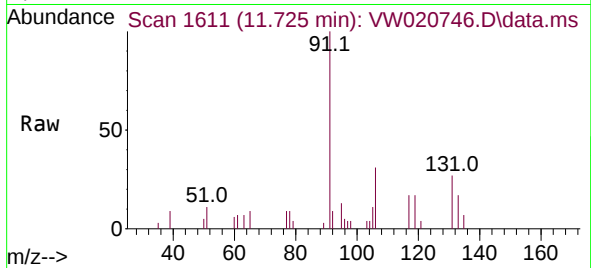




#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.526 ug/l  
RT: 11.725 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

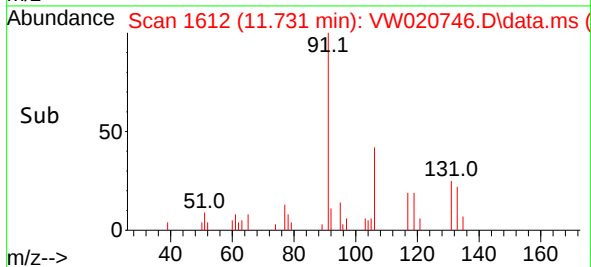
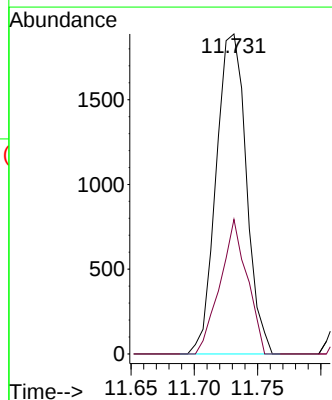
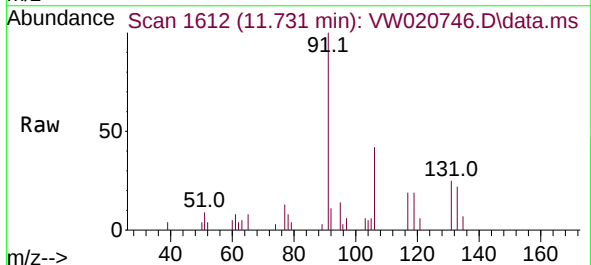
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

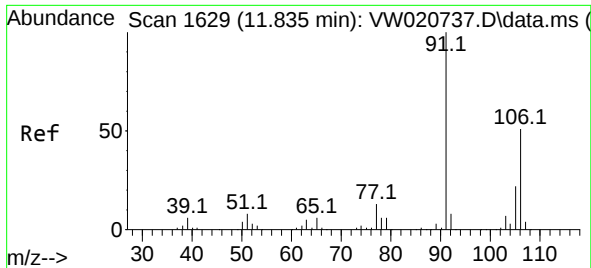
Tgt Ion:131 Resp: 811  
Ion Ratio Lower Upper  
131 100  
133 86.4 45.9 137.6  
119 68.4 32.1 96.3



#67  
Ethyl Benzene  
Concen: 2.150 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 91 Resp: 3123  
Ion Ratio Lower Upper  
91 100  
106 42.1 24.5 36.7#

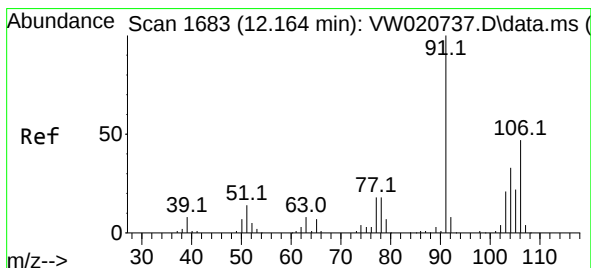
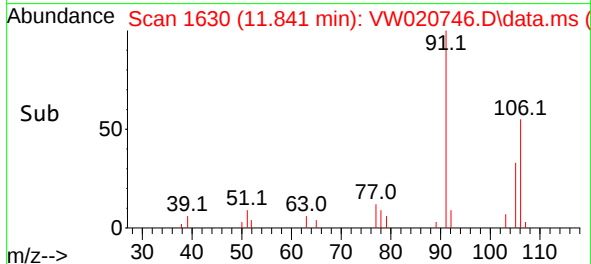
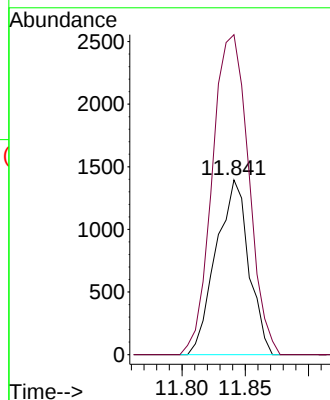
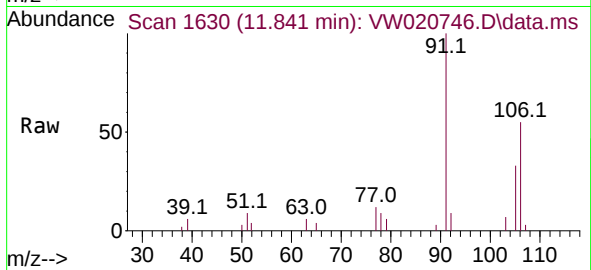




#68  
m/p-Xylenes  
Concen: 4.288 ug/l  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

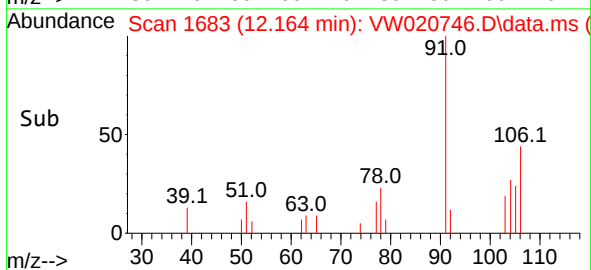
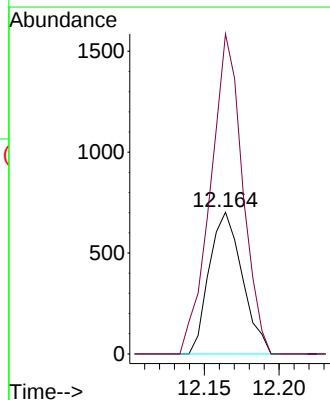
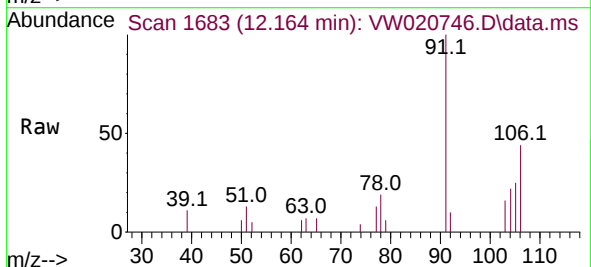
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

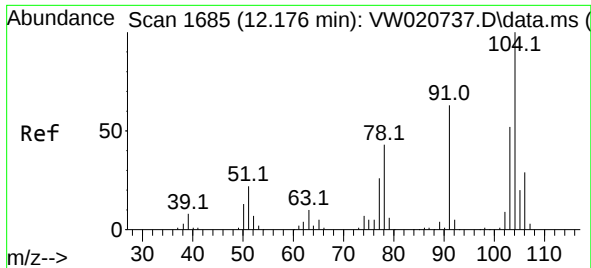
Tgt Ion:106 Resp: 2515  
Ion Ratio Lower Upper  
106 100  
91 203.1 157.8 236.8



#69  
o-Xylene  
Concen: 1.970 ug/l  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion:106 Resp: 1079  
Ion Ratio Lower Upper  
106 100  
91 219.2 103.6 310.8

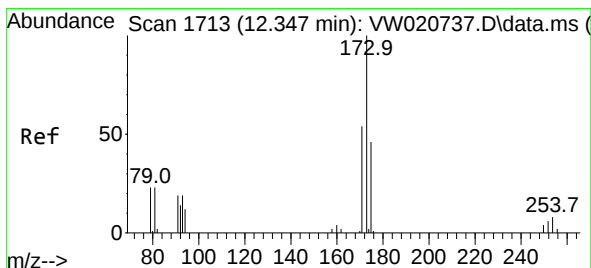
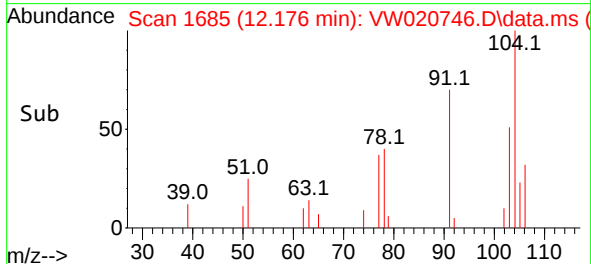
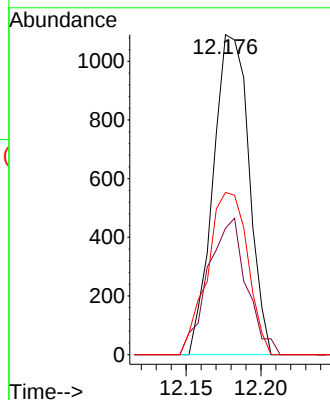
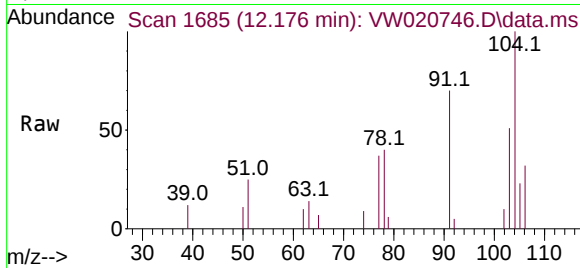




#70  
Styrene  
Concen: 1.960 ug/l  
RT: 12.176 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

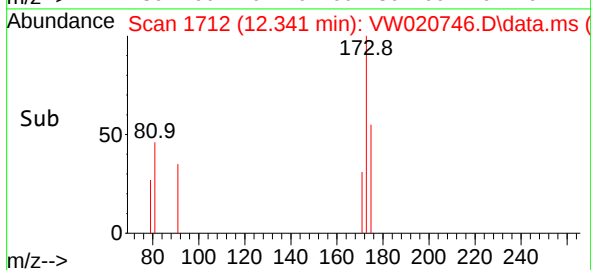
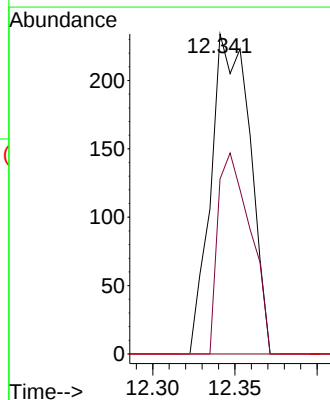
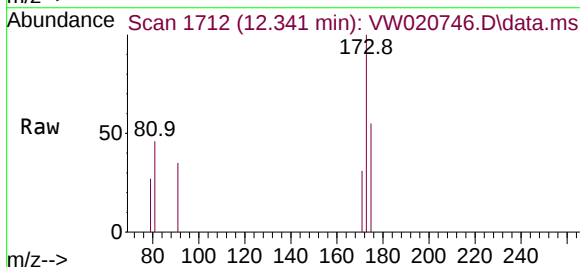
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

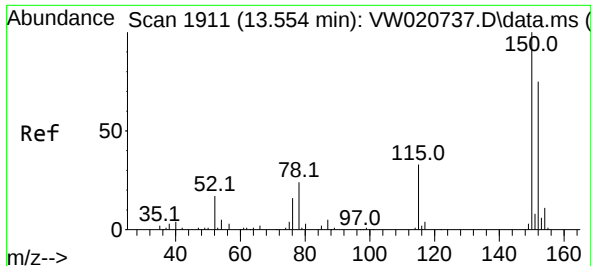
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 104   | Resp: | 1814  |
| Ion      | Ratio | Lower | Upper |
| 104      | 100   |       |       |
| 78       | 45.9  | 36.4  | 54.6  |
| 103      | 56.9  | 45.0  | 67.6  |



#71  
Bromoform  
Concen: 2.127 ug/l  
RT: 12.341 min Scan# 1712  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 386   |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 52.3  | 24.8  | 74.4  |
| 254      | 0.0   | 0.0   | 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.560 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VW020746.D

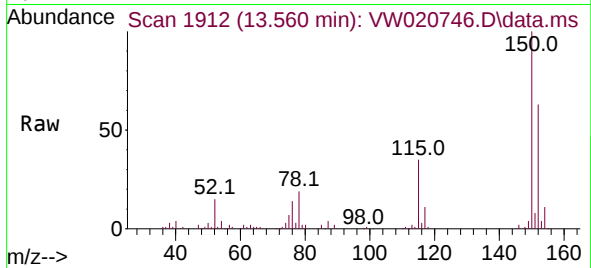
Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



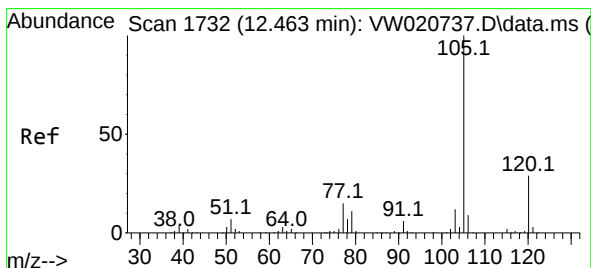
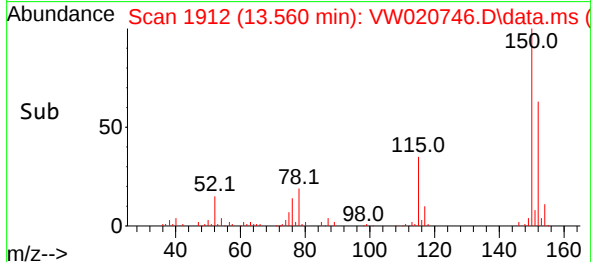
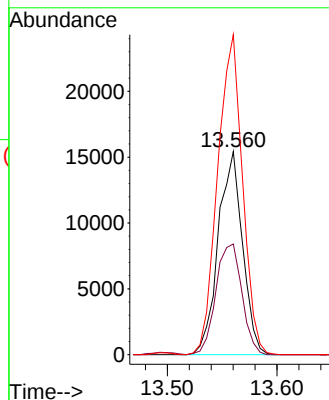
Tgt Ion:152 Resp: 23819

Ion Ratio Lower Upper

152 100

115 58.2 26.6 79.8

150 160.8 0.0 333.0



#73

Isopropylbenzene

Concen: 2.028 ug/l

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW020746.D

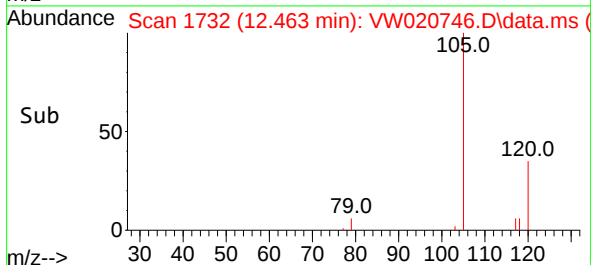
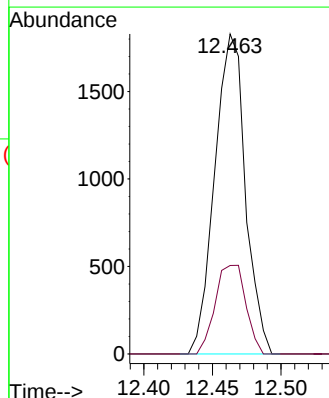
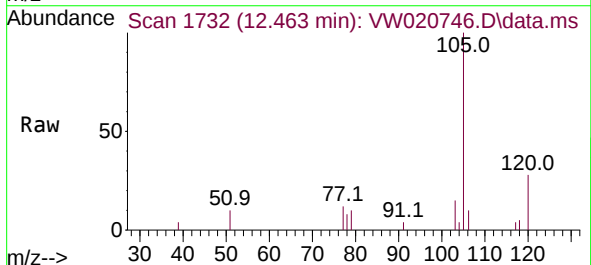
Acq: 02 Nov 2021 19:16

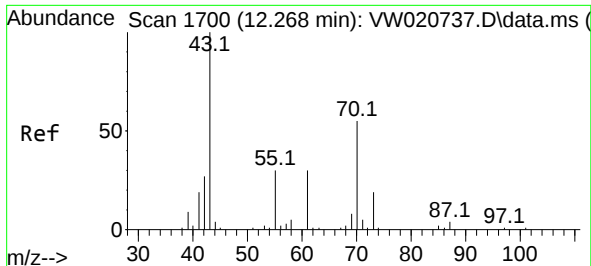
Tgt Ion:105 Resp: 2844

Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.4

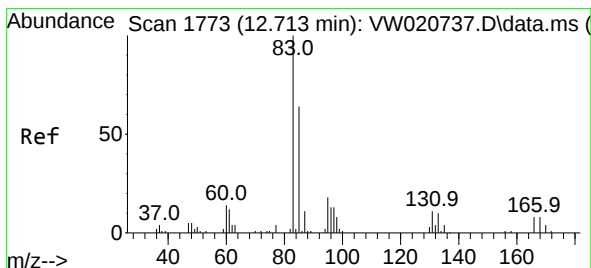
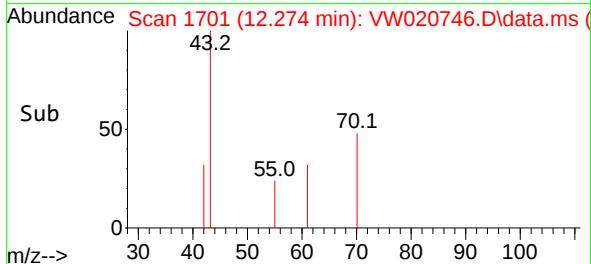
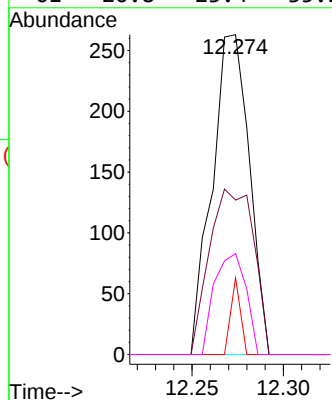
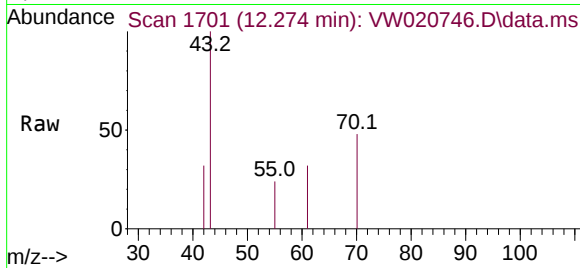




#74  
N-amy1 acetate  
Concen: 1.725 ug/l  
RT: 12.274 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

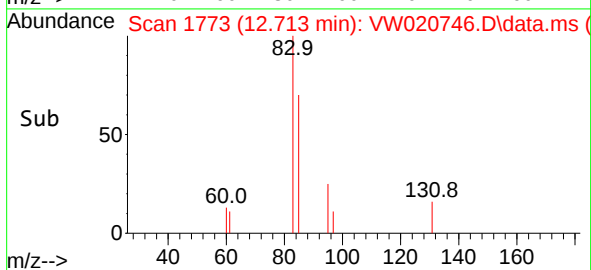
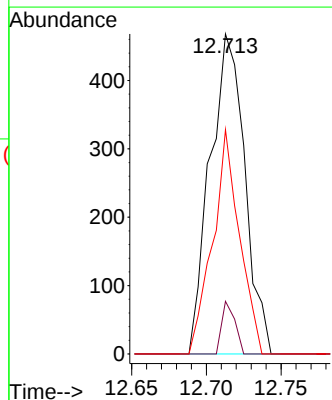
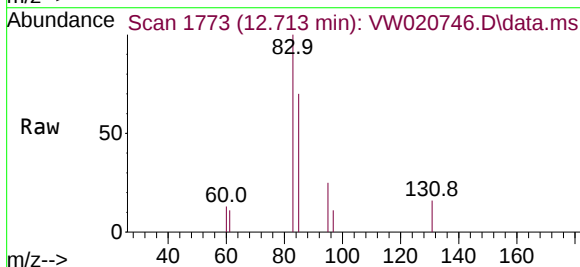
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

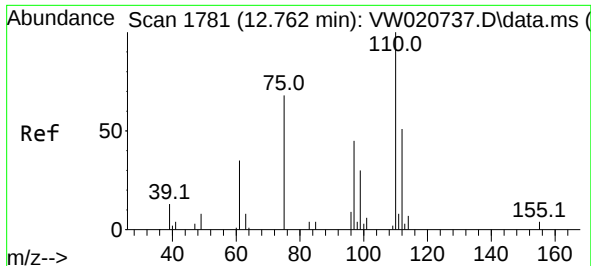
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 373   |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 70          | 61.4  | 44.7  | 67.1  |
| 55          | 6.2   | 23.5  | 35.3# |
| 61          | 26.8  | 23.4  | 35.2  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.853 ug/l  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

|             |       |       |  |
|-------------|-------|-------|--|
| Tgt Ion: 83 | Resp: | 755   |  |
| Ion Ratio   | Lower | Upper |  |
| 83 100      |       |       |  |
| 131 6.2     | 5.9   | 17.7  |  |
| 85 54.2     | 32.3  | 96.9  |  |

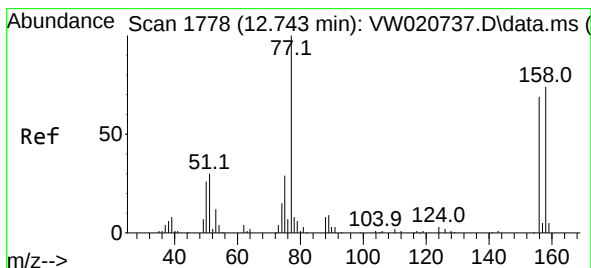
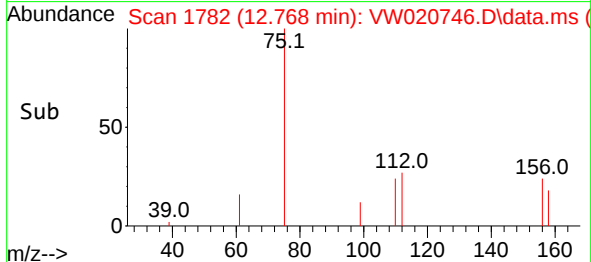
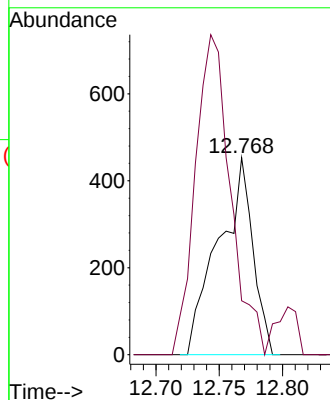
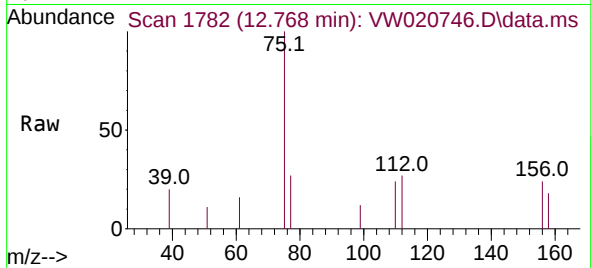




#76  
1,2,3-Trichloropropane  
Concen: 4.646 ug/l  
RT: 12.768 min Scan# 1781  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

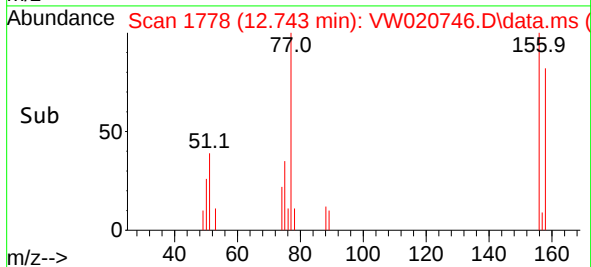
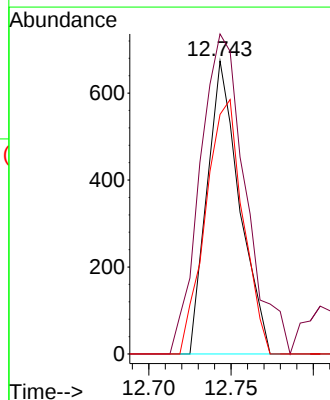
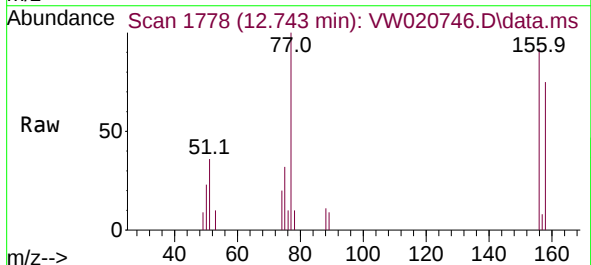
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

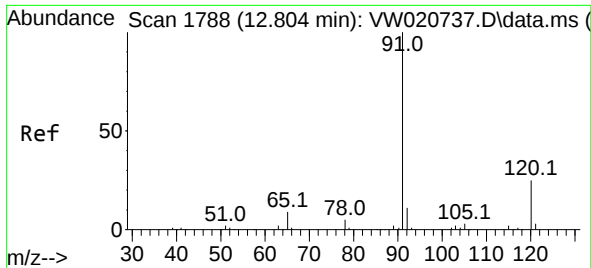
Tgt Ion: 75 Resp: 857  
Ion Ratio Lower Upper  
75 100  
77 0.0 143.3 430.0#



#77  
Bromobenzene  
Concen: 2.596 ug/l  
RT: 12.743 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 156 Resp: 922  
Ion Ratio Lower Upper  
156 100  
77 153.4 78.5 235.3  
158 100.3 49.4 148.2

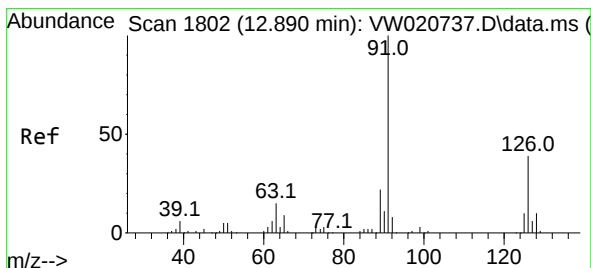
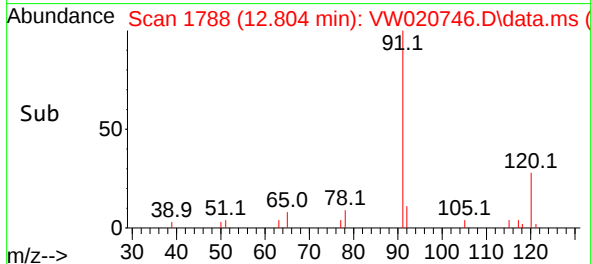
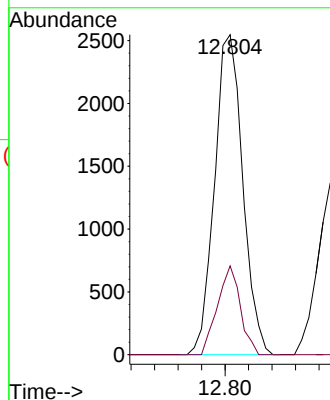
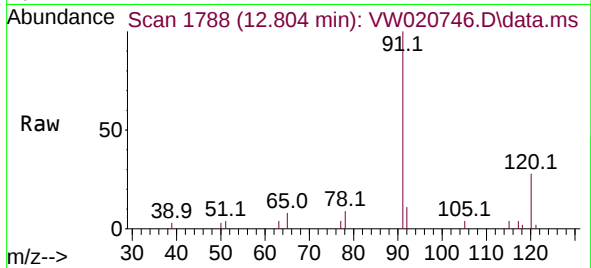




#78  
n-propylbenzene  
Concen: 2.509 ug/l  
RT: 12.804 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

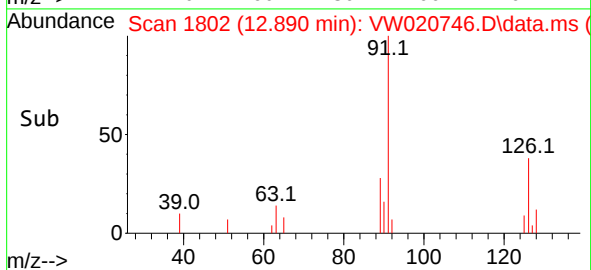
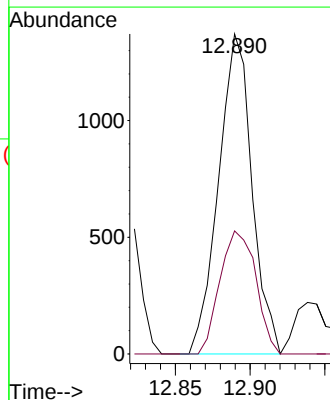
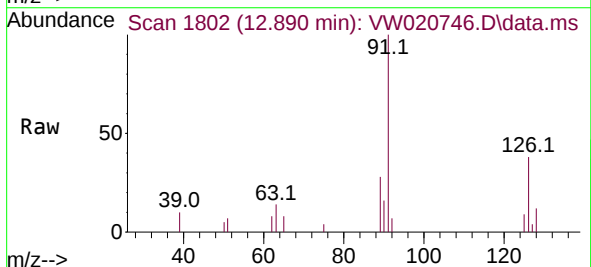
Instrument : MSVOA\_W  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

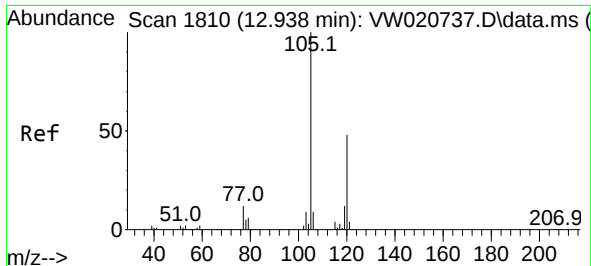
Tgt Ion: 91 Resp: 4246  
Ion Ratio Lower Upper  
91 100  
120 22.4 12.1 36.3



#79  
2-Chlorotoluene  
Concen: 2.224 ug/l  
RT: 12.890 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 91 Resp: 2133  
Ion Ratio Lower Upper  
91 100  
126 41.2 18.6 55.6

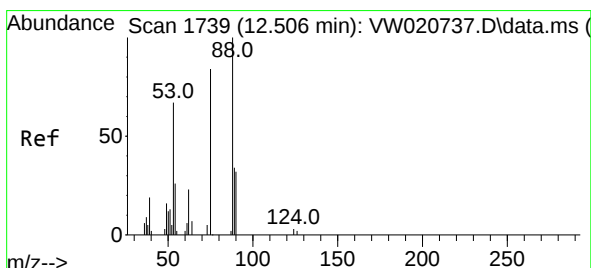
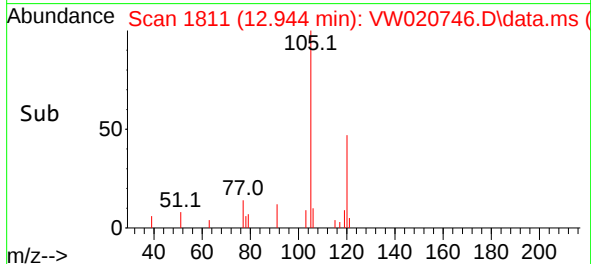
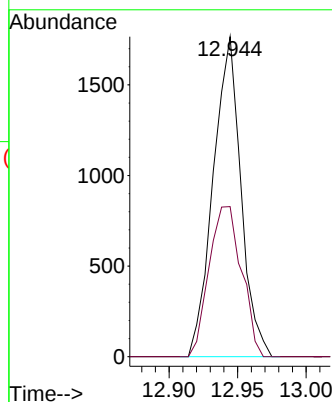
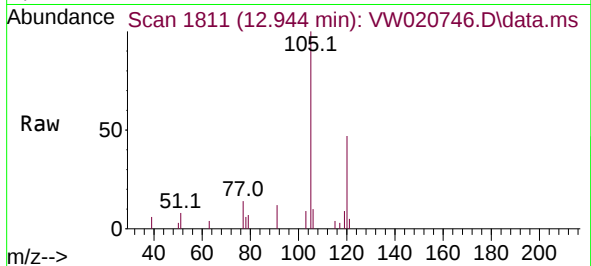




#80  
1,3,5-Trimethylbenzene  
Concen: 2.060 ug/l  
RT: 12.944 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

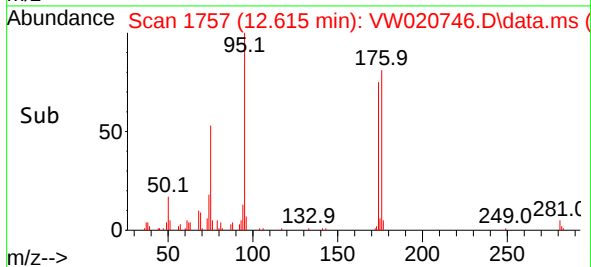
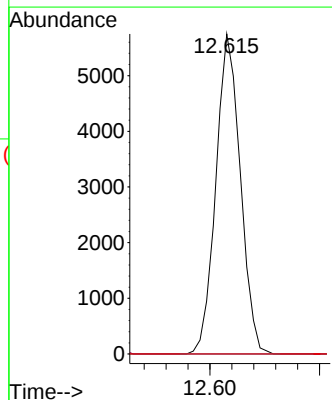
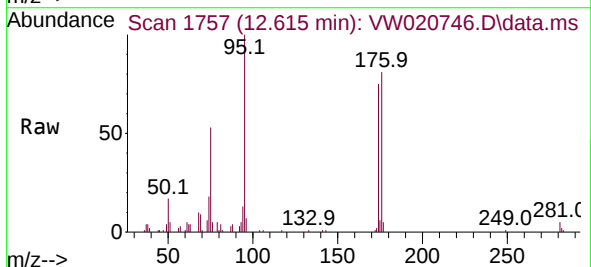
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

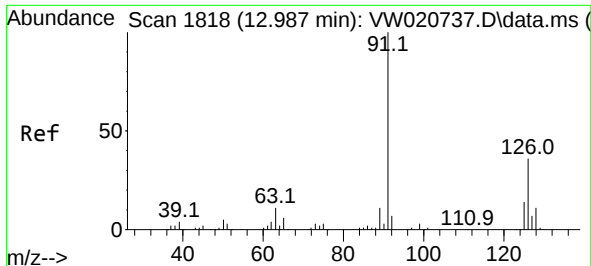
Tgt Ion:105 Resp: 2485  
Ion Ratio Lower Upper  
105 100  
120 55.1 24.6 74.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.968 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.109 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 75 Resp: 8916  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.7 101.5#  
89 0.0 37.5 56.3#

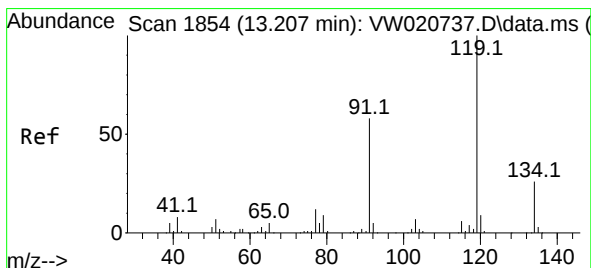
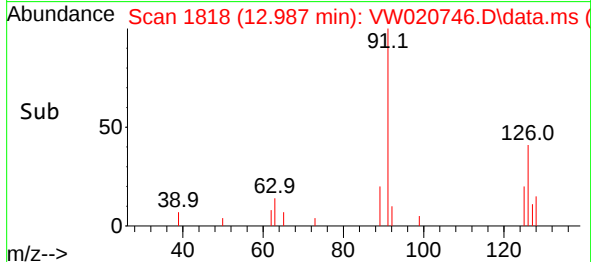
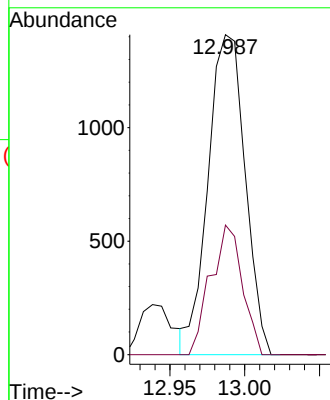
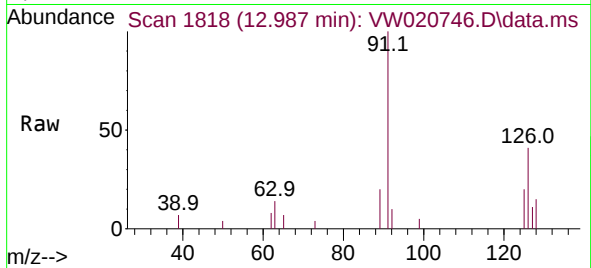




#82  
4-Chlorotoluene  
Concen: 2.417 ug/l  
RT: 12.987 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

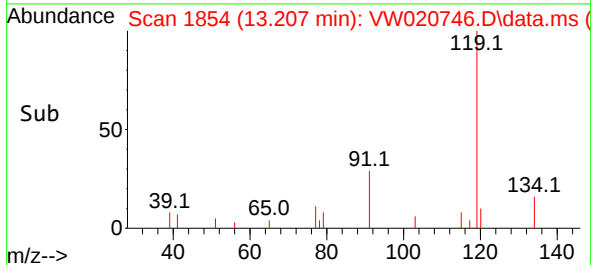
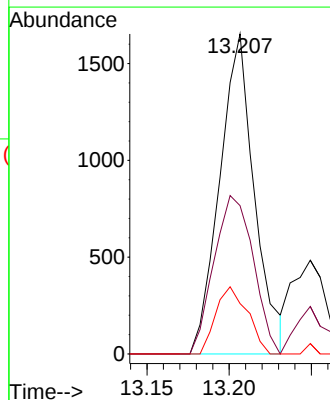
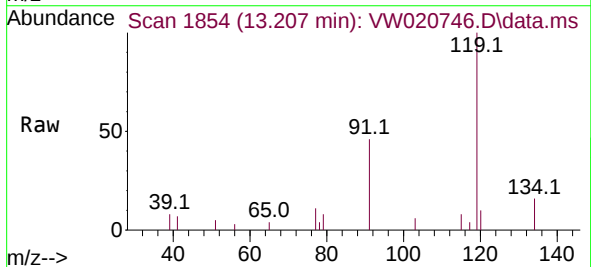
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

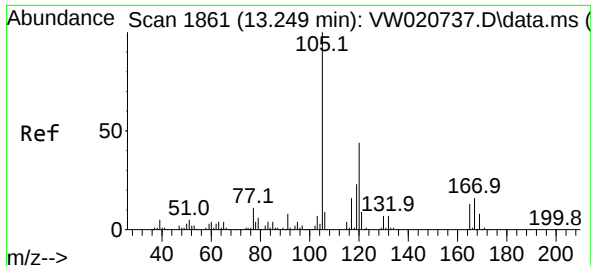
Tgt Ion: 91 Resp: 2424  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.6 52.8



#83  
tert-Butylbenzene  
Concen: 2.315 ug/l  
RT: 13.207 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 119 Resp: 2432  
Ion Ratio Lower Upper  
119 100  
91 55.8 30.9 92.8  
134 19.2 12.5 37.5

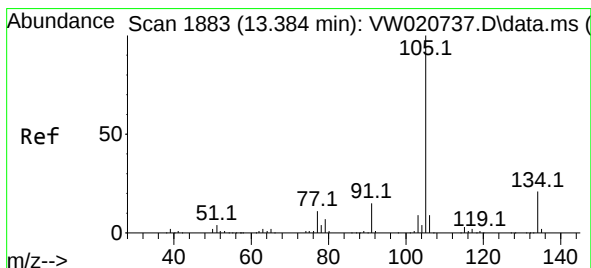
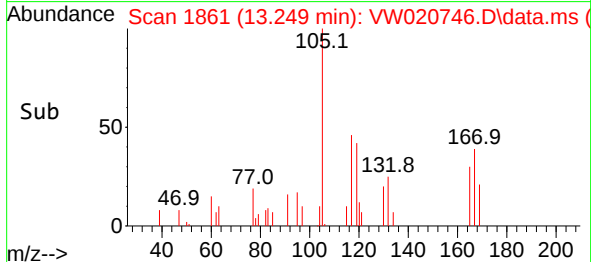
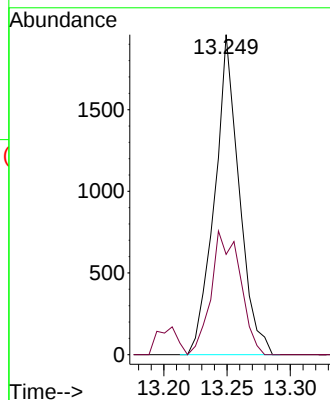
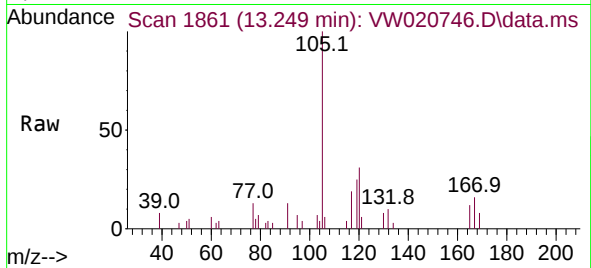




#84  
1,2,4-Trimethylbenzene  
Concen: 2.235 ug/l  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

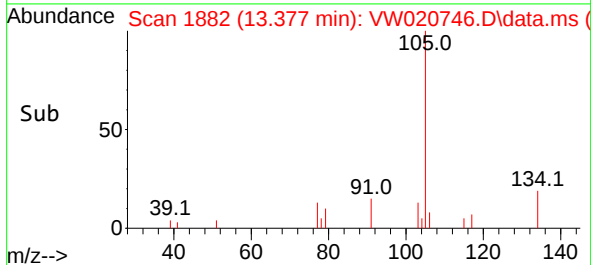
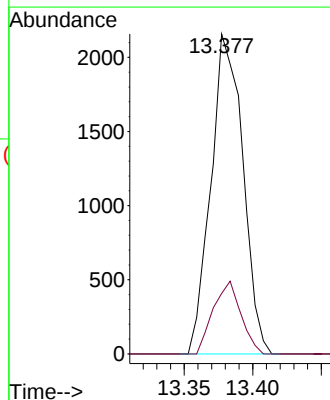
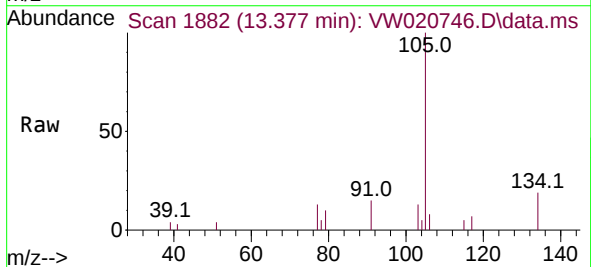
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

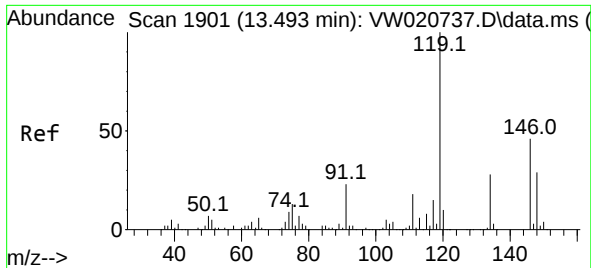
Tgt Ion:105 Resp: 2645  
Ion Ratio Lower Upper  
105 100  
120 45.5 22.7 68.1



#85  
sec-Butylbenzene  
Concen: 2.205 ug/l  
RT: 13.377 min Scan# 1882  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion:105 Resp: 3491  
Ion Ratio Lower Upper  
105 100  
134 19.8 10.4 31.2





#86

p-Isopropyltoluene

Concen: 2.098 ug/l

RT: 13.493 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

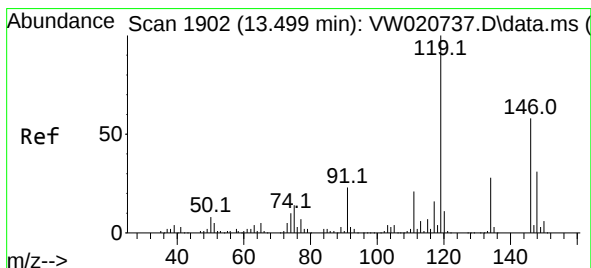
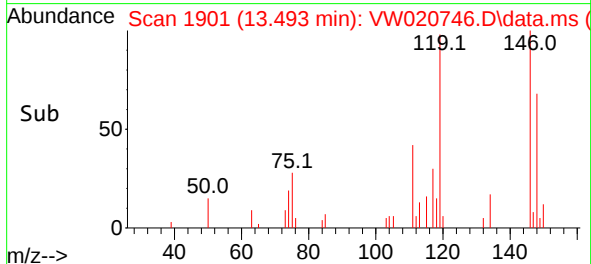
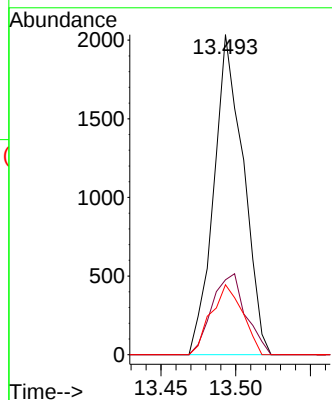
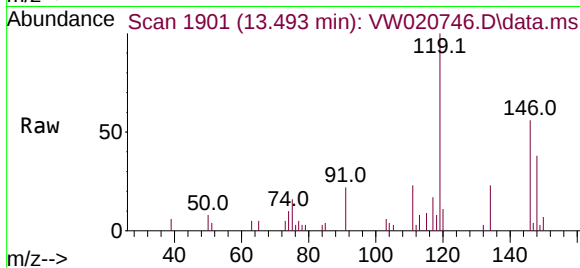
Tgt Ion:119 Resp: 2793

Ion Ratio Lower Upper

119 100

134 28.8 13.8 41.3

91 23.3 11.2 33.6



#87

1,3-Dichlorobenzene

Concen: 2.368 ug/l

RT: 13.493 min Scan# 1901

Delta R.T. -0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

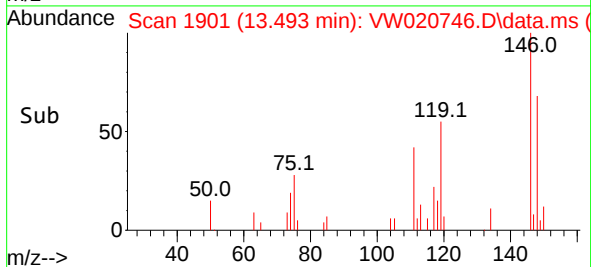
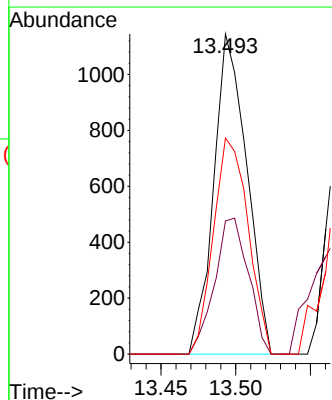
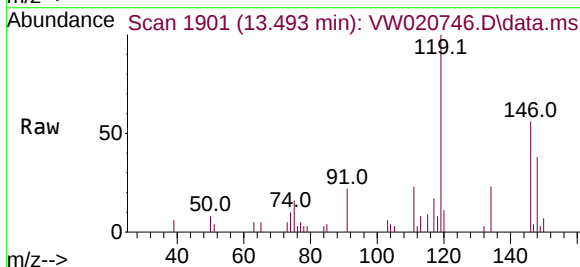
Tgt Ion:146 Resp: 1757

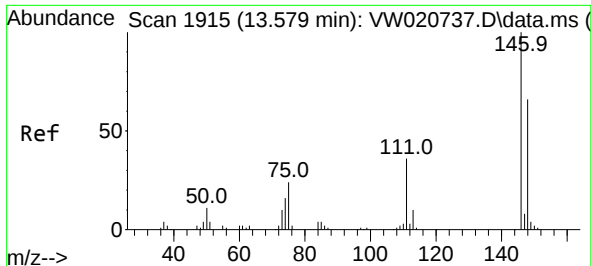
Ion Ratio Lower Upper

146 100

111 43.5 19.0 57.0

148 71.1 30.1 90.3

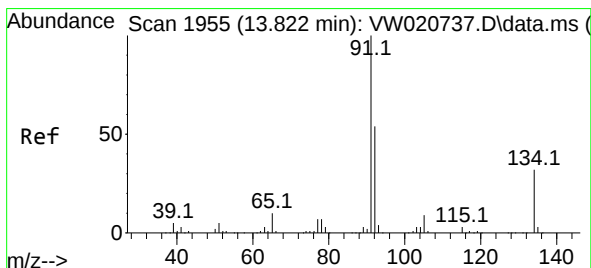
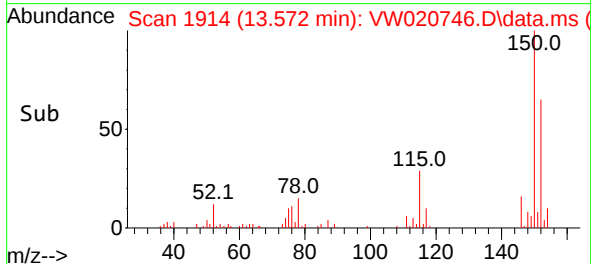
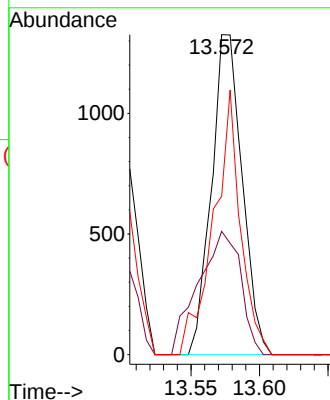
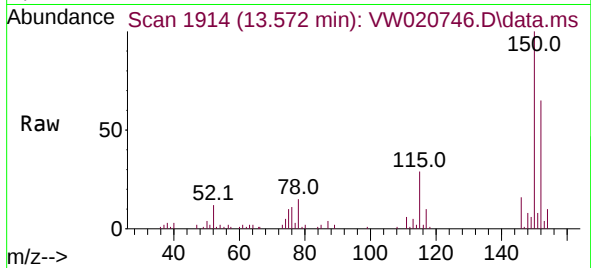




#88  
1,4-Dichlorobenzene  
Concen: 2.820 ug/l  
RT: 13.572 min Scan# 1915  
Delta R.T. -0.006 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

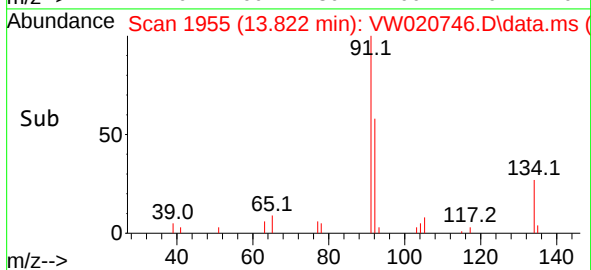
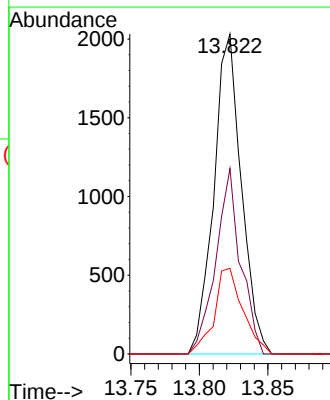
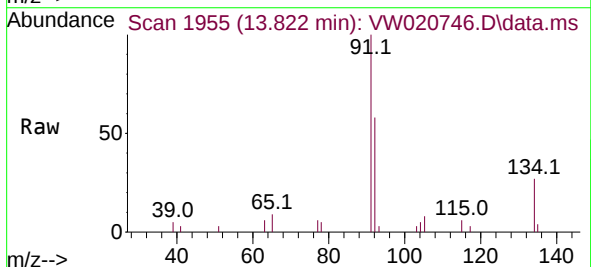
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021

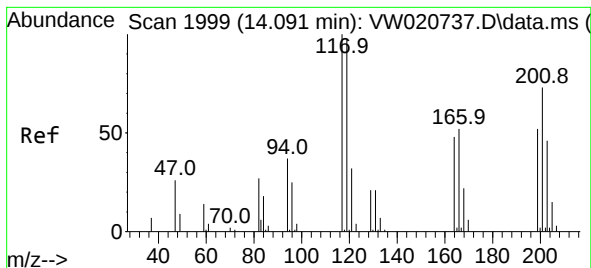
Tgt Ion:146 Resp: 2065  
Ion Ratio Lower Upper  
146 100  
111 53.1 20.1 60.3  
148 72.2 33.6 100.8



#89  
n-Butylbenzene  
Concen: 2.287 ug/l  
RT: 13.822 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

Tgt Ion: 91 Resp: 2837  
Ion Ratio Lower Upper  
91 100  
92 52.3 27.1 81.2  
134 27.8 14.4 43.0





#90

Hexachloroethane

Concen: 2.506 ug/l

RT: 14.084 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

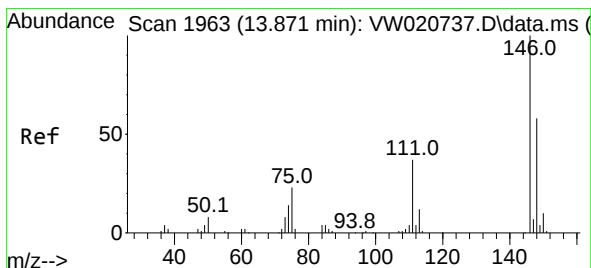
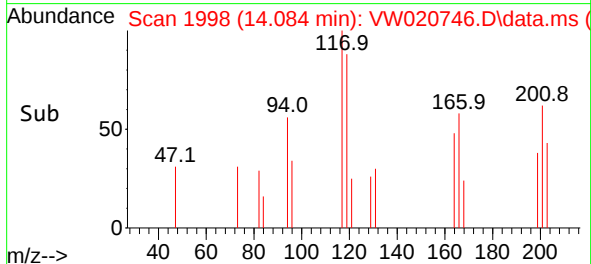
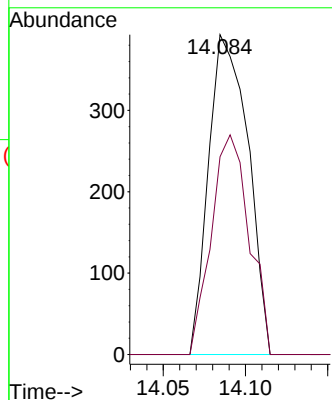
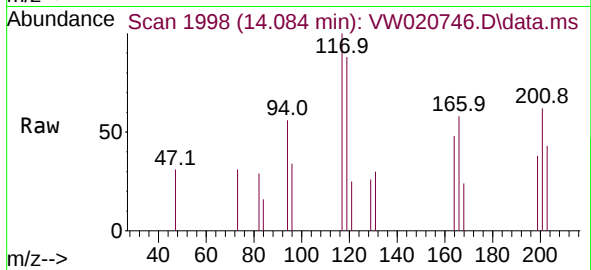
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:117 Resp: 656

Ion Ratio Lower Upper

117 100

201 66.0 36.5 109.5



#91

1,2-Dichlorobenzene

Concen: 2.765 ug/l

RT: 13.871 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

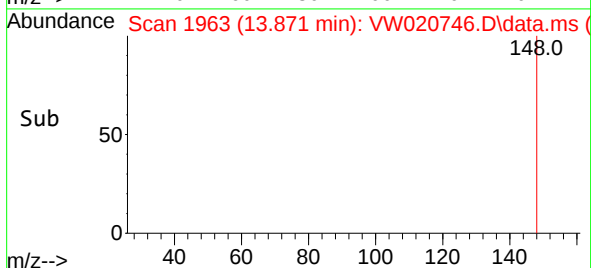
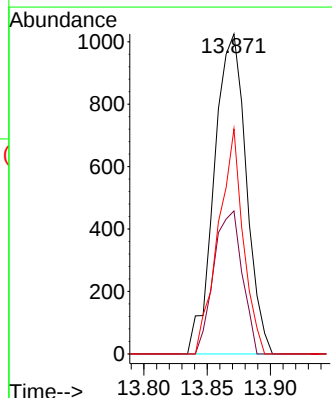
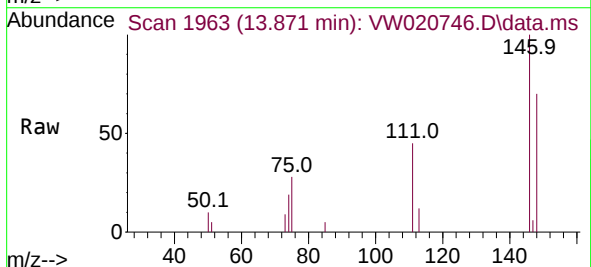
Tgt Ion:146 Resp: 1800

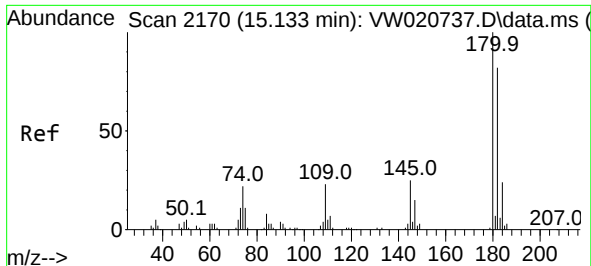
Ion Ratio Lower Upper

146 100

111 39.8 21.1 63.3

148 54.8 33.2 99.6





#93

1,2,4-Trichlorobenzene

Concen: 2.358 ug/l

RT: 15.133 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

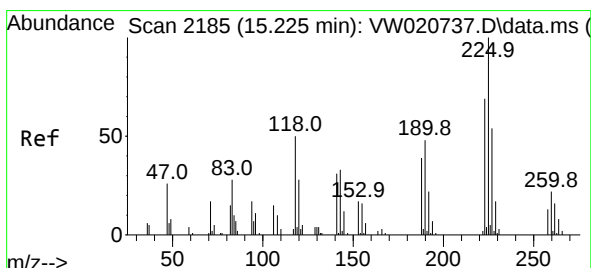
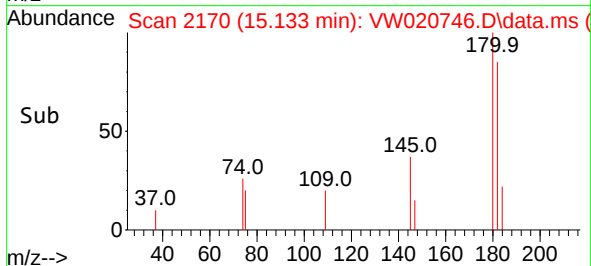
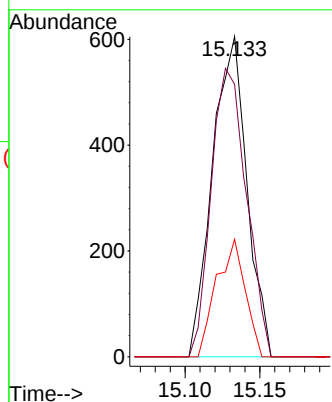
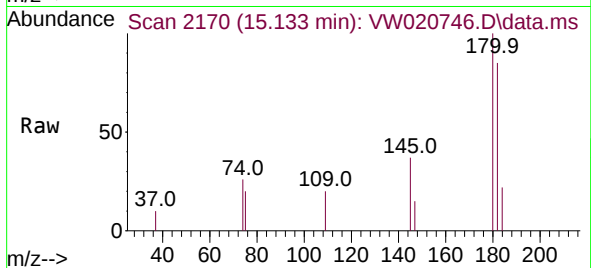
Tgt Ion:180 Resp: 969

Ion Ratio Lower Upper

180 100

182 92.2 47.1 141.3

145 30.5 14.7 44.1



#94

Hexachlorobutadiene

Concen: 2.613 ug/l

RT: 15.231 min Scan# 2186

Delta R.T. 0.006 min

Lab File: VW020746.D

Acq: 02 Nov 2021 19:16

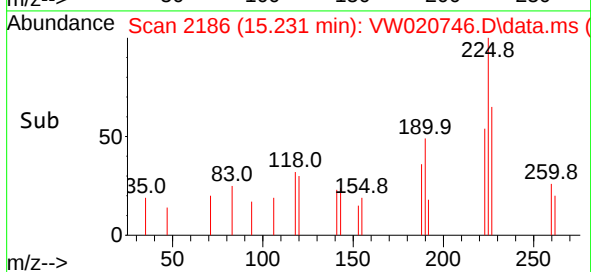
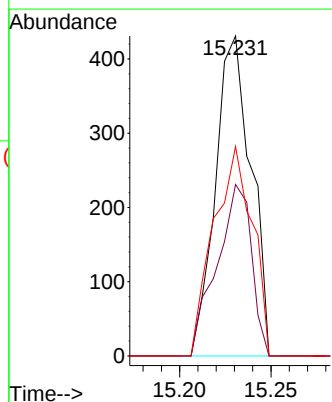
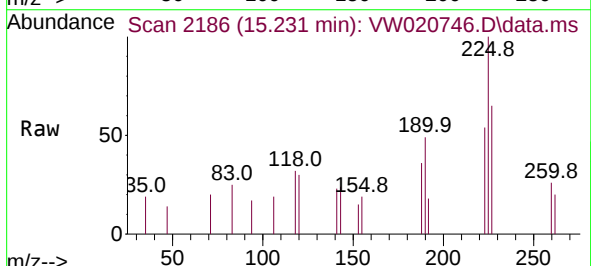
Tgt Ion:225 Resp: 583

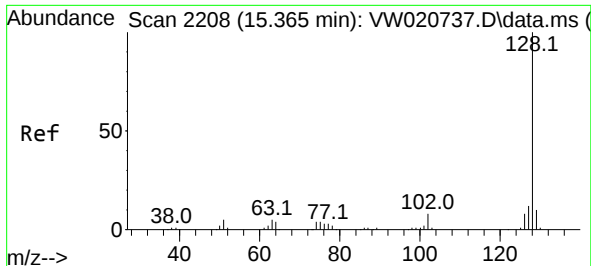
Ion Ratio Lower Upper

225 100

223 52.1 34.6 103.9

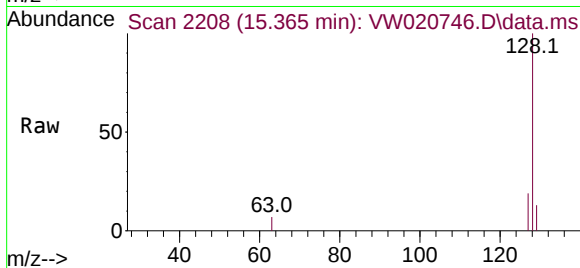
227 71.0 30.6 92.0



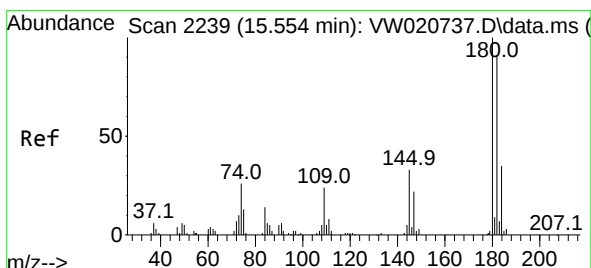
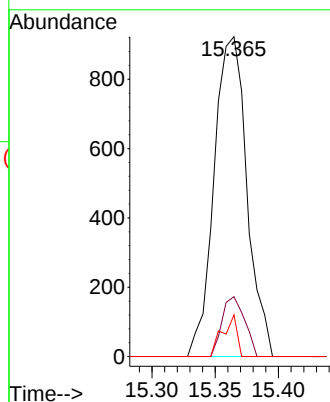
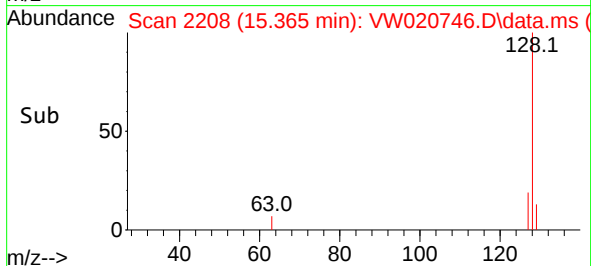


#95  
Naphthalene  
Concen: 2.245 ug/l  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16

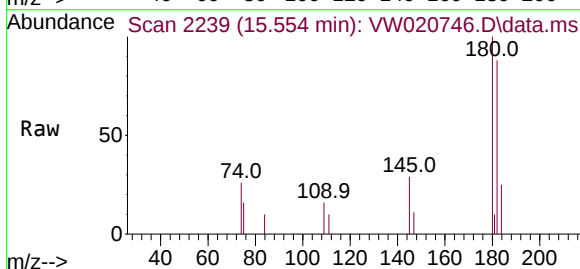
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 1665  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 15.8  
129 5.7 8.5 12.7#



#96  
1,2,3-Trichlorobenzene  
Concen: 2.747 ug/l  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW020746.D  
Acq: 02 Nov 2021 19:16



Tgt Ion:180 Resp: 986  
Ion Ratio Lower Upper  
180 100  
182 94.0 47.3 141.8  
145 26.4 16.3 48.8

