

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051321\  
 Data File : VD069152.D  
 Acq On : 13 May 2021 12:51  
 Operator : VA/SY  
 Sample : M2262-03 4PPBMDL  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2021

Quant Time: May 14 02:04:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 14 02:03:57 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.985  | 168  | 270765   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 471547   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 446746   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 204319   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 151154   | 55.69    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 111.38% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 158952   | 51.80    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.60% |
| 50) Toluene-d8              | 10.338 | 98    | 574012   | 50.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.82% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 181578   | 50.05    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.10% |

|                              |       |     |       |       |        |        |
|------------------------------|-------|-----|-------|-------|--------|--------|
| Target Compounds             |       |     |       |       |        | Qvalue |
| 2) Dichlorodifluoromethane   | 1.985 | 85  | 12562 | 4.36  | ug/l   | 99     |
| 3) Chloromethane             | 2.215 | 50  | 14889 | 4.50  | ug/l   | 94     |
| 4) Vinyl Chloride            | 2.350 | 62  | 19981 | 4.58  | ug/l   | 89     |
| 5) Bromomethane              | 2.773 | 94  | 17070 | 5.20  | ug/l   | 86     |
| 6) Chloroethane              | 2.920 | 64  | 13746 | 4.90  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 3.273 | 101 | 22983 | 4.32  | ug/l   | 98     |
| 8) Diethyl Ether             | 3.709 | 74  | 5461  | 4.50  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 4.103 | 101 | 14670 | 4.87  | ug/l # | 69     |
| 10) Methyl Iodide            | 4.303 | 142 | 10528 | 3.66  | ug/l # | 91     |
| 11) Tert butyl alcohol       | 5.197 | 59  | 10902 | 58.77 | ug/l # | 73     |
| 12) 1,1-Dichloroethene       | 4.079 | 96  | 12047 | 4.45  | ug/l   | 87     |
| 13) Acrolein                 | 3.926 | 56  | 3998  | 18.10 | ug/l   | 99     |
| 14) Allyl chloride           | 4.720 | 41  | 12774 | 4.30  | ug/l   | 97     |
| 15) Acrylonitrile            | 5.420 | 53  | 9658  | 21.31 | ug/l   | 96     |
| 16) Acetone                  | 4.167 | 43  | 9315  | 22.41 | ug/l   | 97     |
| 17) Carbon Disulfide         | 4.415 | 76  | 39744 | 4.43  | ug/l # | 93     |
| 18) Methyl Acetate           | 4.720 | 43  | 4865  | 4.82  | ug/l # | 74     |
| 19) Methyl tert-butyl Ether  | 5.479 | 73  | 19146 | 3.89  | ug/l # | 87     |
| 20) Methylene Chloride       | 4.962 | 84  | 32543 | 7.39  | ug/l # | 90     |
| 21) trans-1,2-Dichloroethene | 5.485 | 96  | 14019 | 4.36  | ug/l   | 84     |
| 22) Diisopropyl ether        | 6.367 | 45  | 23635 | 3.98  | ug/l # | 86     |
| 23) Vinyl Acetate            | 6.309 | 43  | 47873 | 13.67 | ug/l   | 98     |
| 24) 1,1-Dichloroethane       | 6.267 | 63  | 23370 | 4.56  | ug/l   | 94     |
| 25) 2-Butanone               | 7.214 | 43  | 11588 | 20.57 | ug/l   | 99     |
| 26) 2,2-Dichloropropane      | 7.203 | 77  | 22513 | 4.70  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene   | 7.208 | 96  | 15326 | 4.39  | ug/l   | 97     |
| 28) Bromochloromethane       | 7.544 | 49  | 7535  | 4.12  | ug/l   | 100    |
| 29) Tetrahydrofuran          | 7.561 | 42  | 5705  | 18.63 | ug/l   | 90     |
| 30) Chloroform               | 7.714 | 83  | 27083 | 4.69  | ug/l   | 94     |
| 31) Cyclohexane              | 7.985 | 56  | 22192 | 5.52  | ug/l # | 81     |
| 32) 1,1,1-Trichloroethane    | 7.908 | 97  | 24427 | 4.66  | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 8.114 | 75  | 18726 | 4.08  | ug/l   | 98     |
| 37) Ethyl Acetate            | 7.303 | 43  | 6551  | 4.45  | ug/l # | 88     |
| 38) Carbon Tetrachloride     | 8.103 | 117 | 21167 | 4.13  | ug/l   | 96     |
| 39) Methylcyclohexane        | 9.355 | 83  | 17614 | 3.64  | ug/l   | 89     |
| 40) Benzene                  | 8.355 | 78  | 56050 | 4.27  | ug/l   | 98     |

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 Sample : M2262-03 4PPBMDL  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2021

Quant Time: May 14 02:04:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 14 02:03:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 2962     | 3.78  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 15802    | 4.41  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 10983    | 4.11  | ug/l   | 95       |
| 44) Trichloroethene           | 9.108  | 130  | 16512    | 4.50  | ug/l   | 84       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 12630    | 4.07  | ug/l   | 94       |
| 46) Dibromomethane            | 9.473  | 93   | 7639     | 4.12  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.667  | 83   | 20140    | 4.27  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.455  | 41   | 5064     | 4.09  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 1200     | 68.86 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 25396    | 18.45 | ug/l   | 96       |
| 52) Toluene                   | 10.402 | 92   | 34467    | 4.07  | ug/l   | 92       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 16111    | 3.89  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 18486    | 3.73  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 12042    | 4.82  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 8926     | 3.58  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 17500    | 4.34  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 20343    | 16.45 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.985 | 43   | 16561    | 18.03 | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.138 | 129  | 13373    | 4.17  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 10157    | 4.12  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.873 | 164  | 14848    | 4.78  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.673 | 112  | 39028    | 4.22  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 14314    | 4.10  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.744 | 91   | 59188    | 3.71  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.849 | 106  | 43751    | 7.01  | ug/l   | 96       |
| 69) o-Xylene                  | 12.179 | 106  | 20630    | 3.71  | ug/l   | 92       |
| 70) Styrene                   | 12.191 | 104  | 33560    | 3.46  | ug/l   | 95       |
| 71) Bromoform                 | 12.361 | 173  | 7683     | 4.23  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.479 | 105  | 49769    | 3.49  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.285 | 43   | 8663     | 3.71  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 12447    | 4.81  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 13107    | 8.53  | ug/l # | 100      |
| 77) Bromobenzene              | 12.755 | 156  | 14995    | 4.43  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.814 | 91   | 69326    | 4.02  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 37562    | 3.92  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 42970    | 3.65  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 3127     | 4.11  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 42022    | 4.11  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 38264    | 3.90  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 41907    | 3.54  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.396 | 105  | 52291    | 3.54  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 47093    | 3.63  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 28898    | 4.21  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.590 | 146  | 31508    | 4.64  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.838 | 91   | 45054    | 3.73  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.108 | 117  | 11223    | 4.62  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.885 | 146  | 24713    | 4.20  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.496 | 75   | 1754     | 4.37  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.155 | 180  | 13624    | 3.77  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.267 | 225  | 8632     | 3.98  | ug/l   | 91       |
| 95) Naphthalene               | 15.396 | 128  | 21461    | 3.55  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.585 | 180  | 12468    | 4.04  | ug/l   | 95       |

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Operator : VA/SY  
Sample : M2262-03 4PPBMDL  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

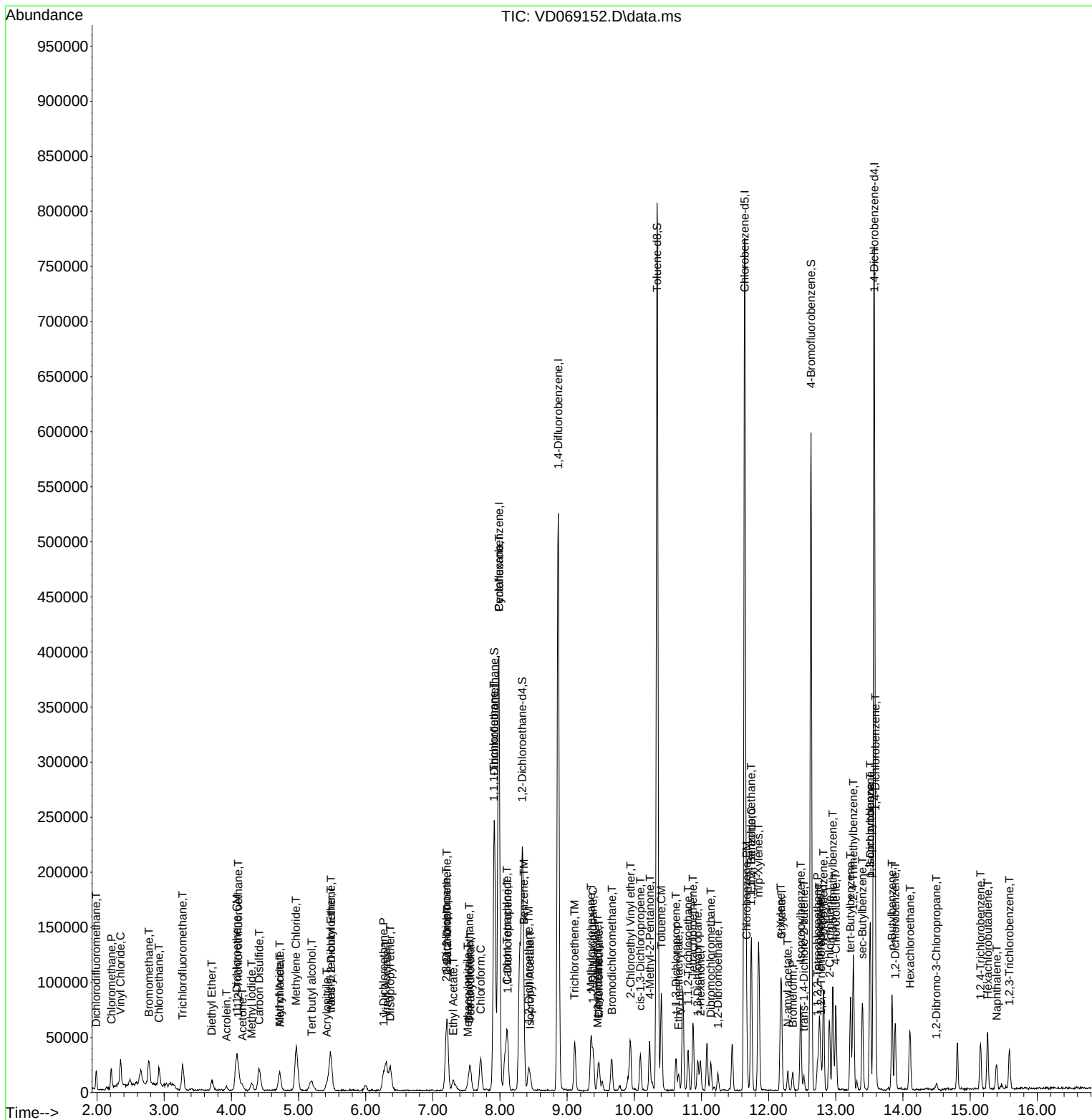
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

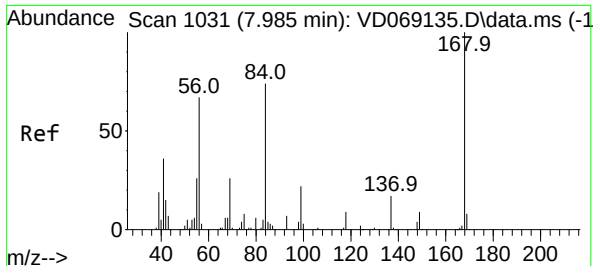
Quant Time: May 14 02:04:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 14 02:03:57 2021  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
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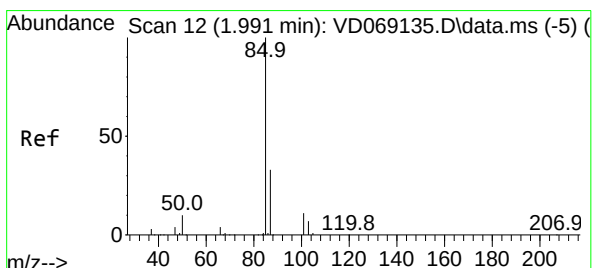
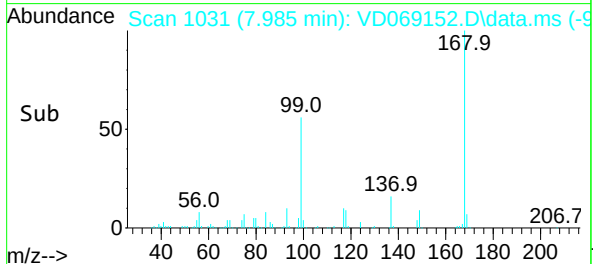
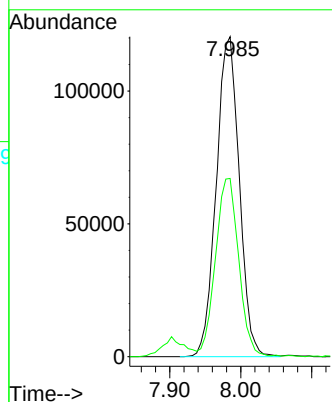
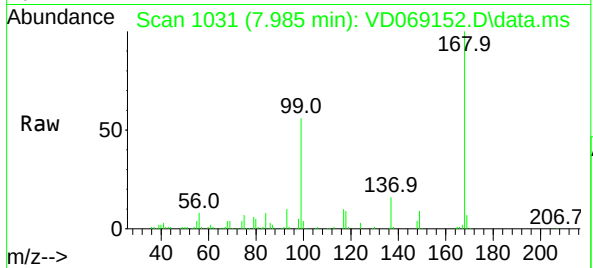




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

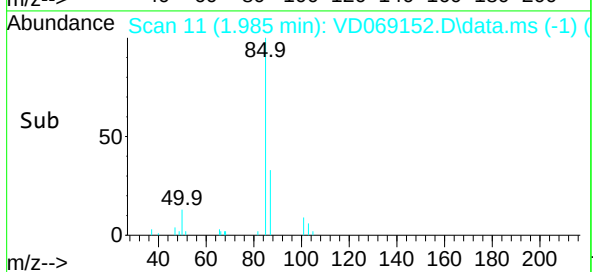
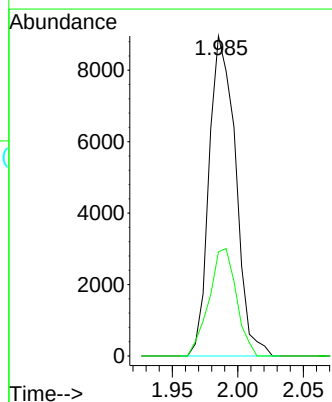
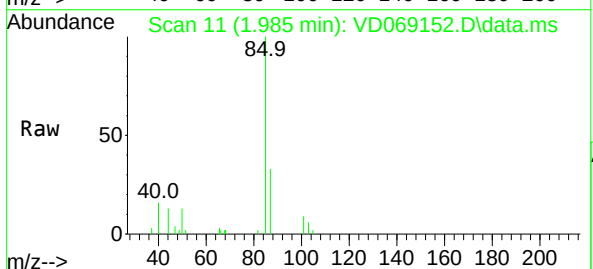
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

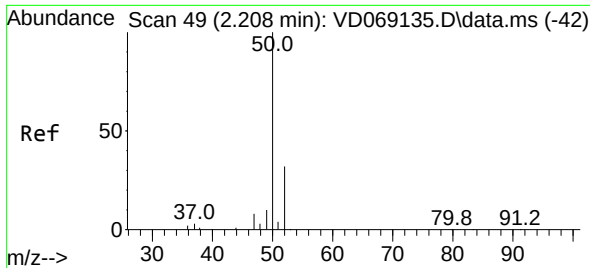
Tgt Ion:168 Resp: 270765  
Ion Ratio Lower Upper  
168 100  
99 55.5 47.2 70.8



#2  
Dichlorodifluoromethane  
Concen: 4.36 ug/l  
RT: 1.985 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 85 Resp: 12562  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.5 49.5

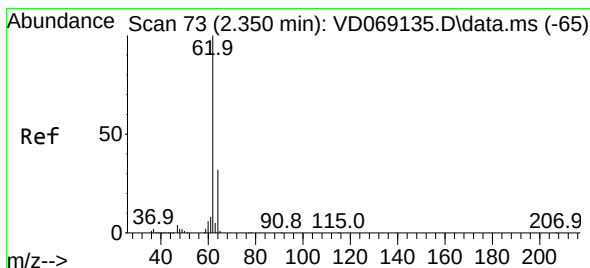
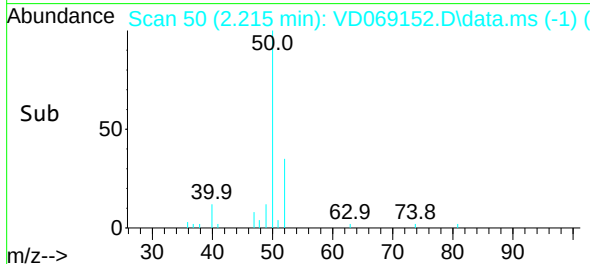
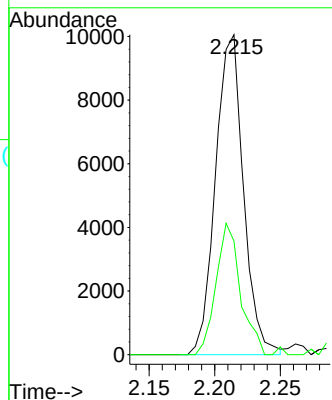
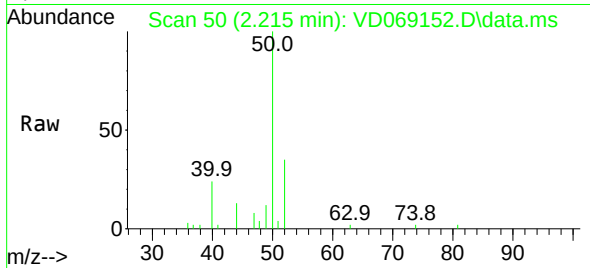




#3  
Chloromethane  
Concen: 4.50 ug/l  
RT: 2.215 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

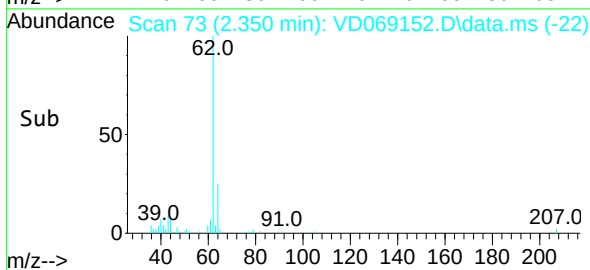
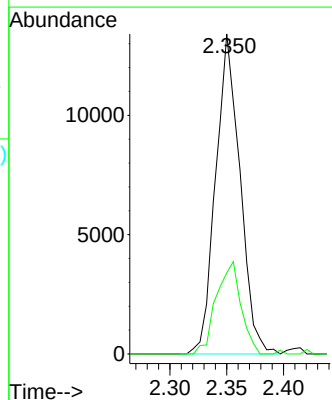
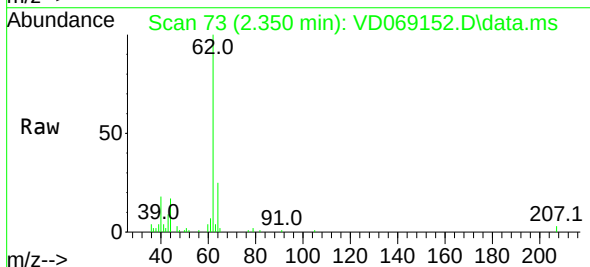
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

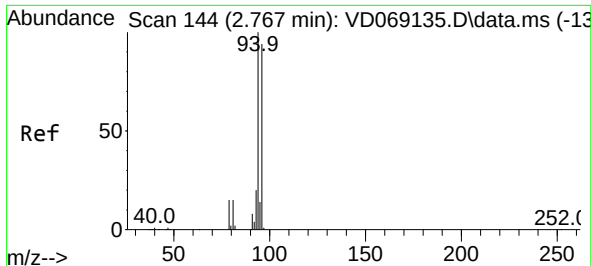
Tgt Ion: 50 Resp: 14889  
Ion Ratio Lower Upper  
50 100  
52 35.5 25.8 38.8



#4  
Vinyl Chloride  
Concen: 4.58 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 62 Resp: 19981  
Ion Ratio Lower Upper  
62 100  
64 25.3 25.3 37.9

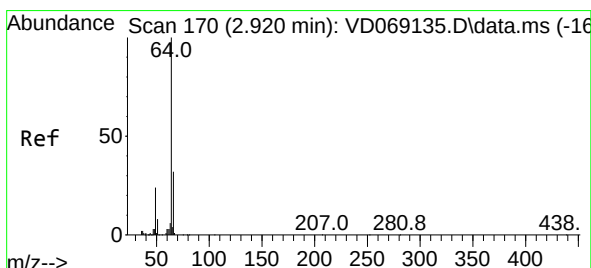
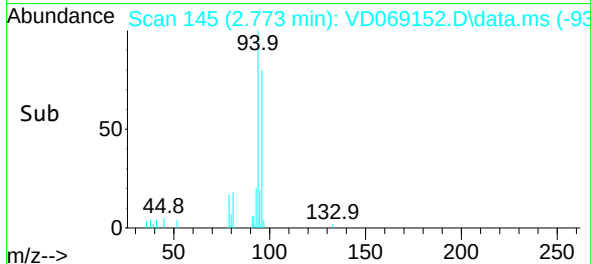
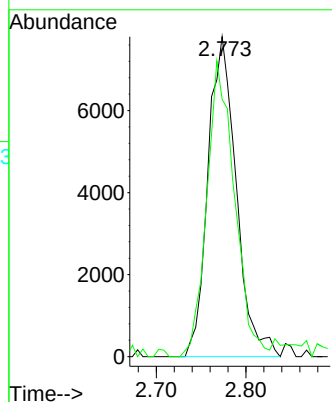
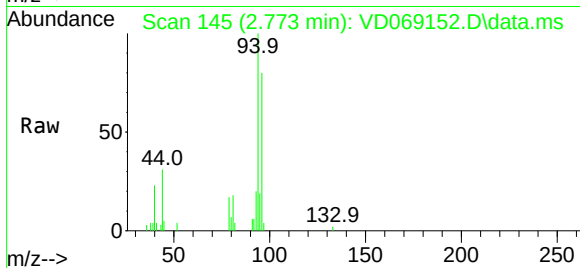




#5  
Bromomethane  
Concen: 5.20 ug/l  
RT: 2.773 min Scan# 145  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

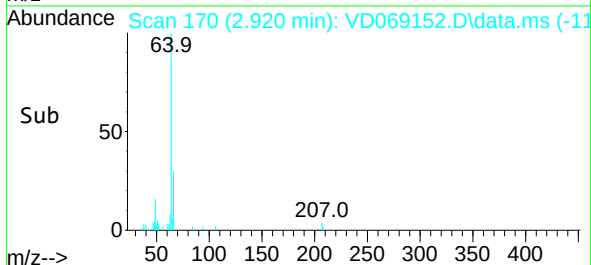
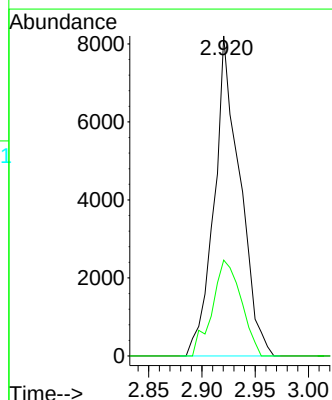
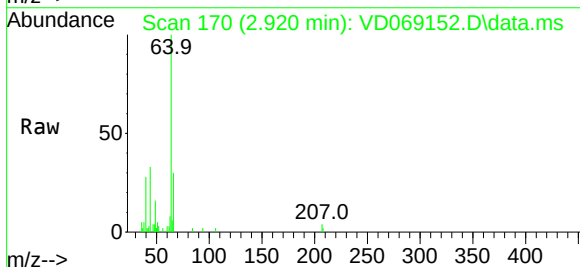
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

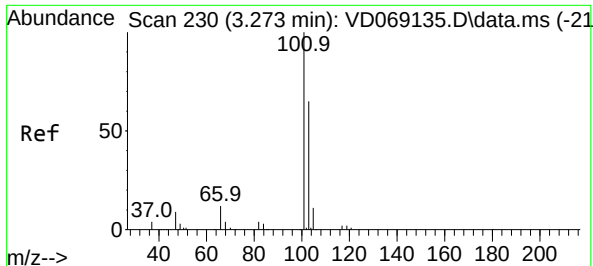
Tgt Ion: 94 Resp: 17070  
Ion Ratio Lower Upper  
94 100  
96 80.4 75.4 113.0



#6  
Chloroethane  
Concen: 4.90 ug/l  
RT: 2.920 min Scan# 170  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 64 Resp: 13746  
Ion Ratio Lower Upper  
64 100  
66 30.0 25.2 37.8

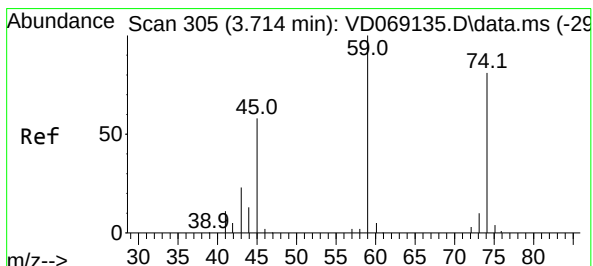
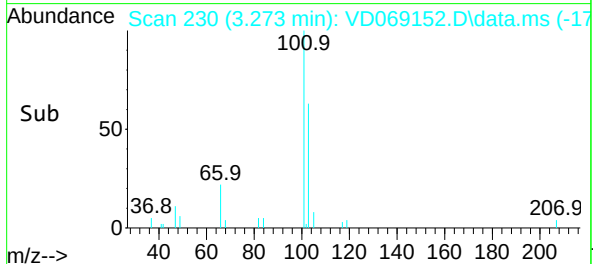
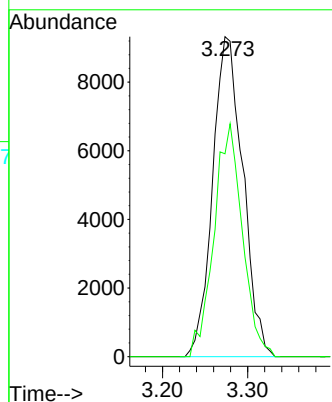
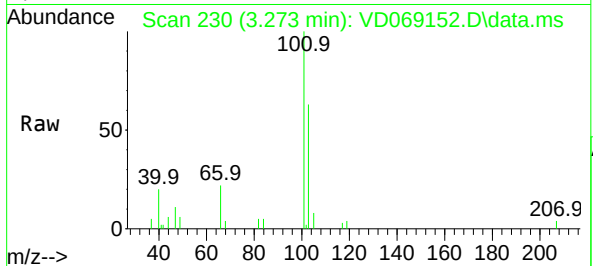




#7  
Trichlorofluoromethane  
Concen: 4.32 ug/l  
RT: 3.273 min Scan# 230  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

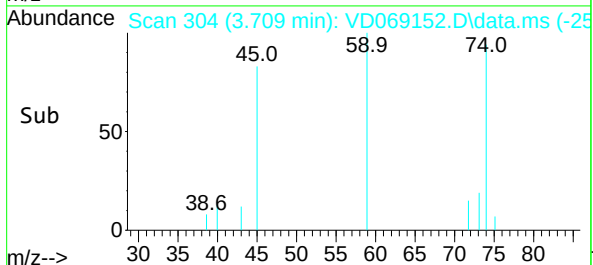
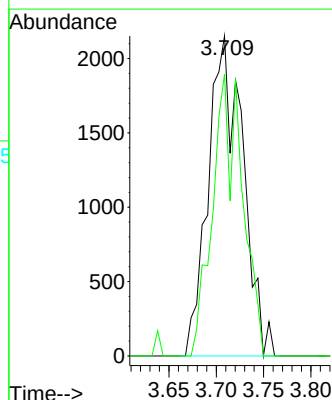
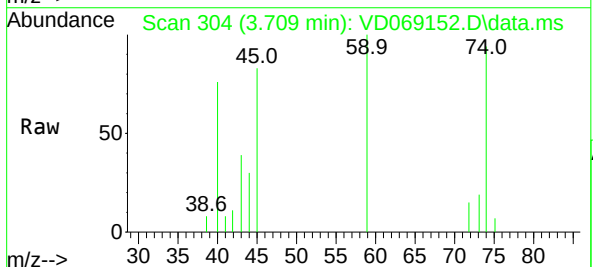
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:101 Resp: 22983  
Ion Ratio Lower Upper  
101 100  
103 63.4 51.9 77.9

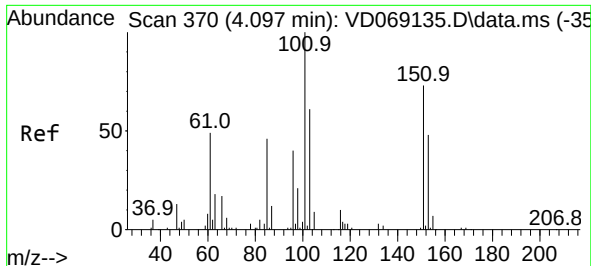


#8  
Diethyl Ether  
Concen: 4.50 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 74 Resp: 5461  
Ion Ratio Lower Upper  
74 100  
45 75.8 38.1 114.5



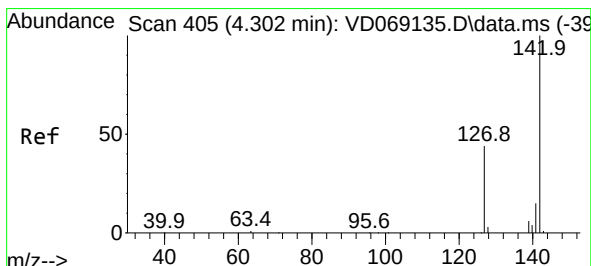
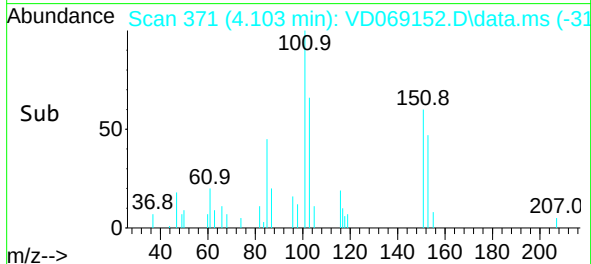
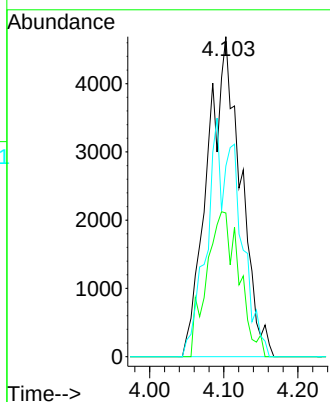
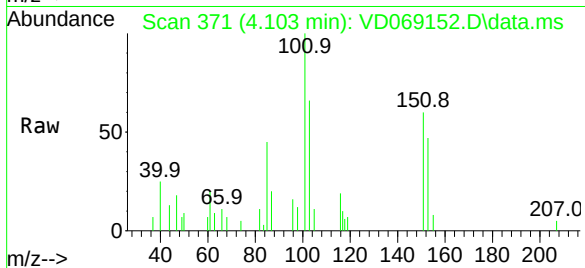




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.87 ug/l  
RT: 4.103 min Scan# 371  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

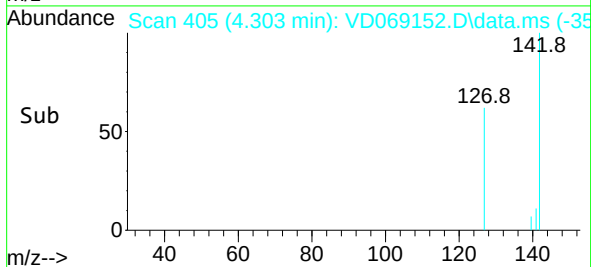
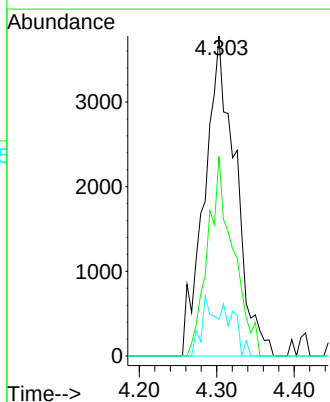
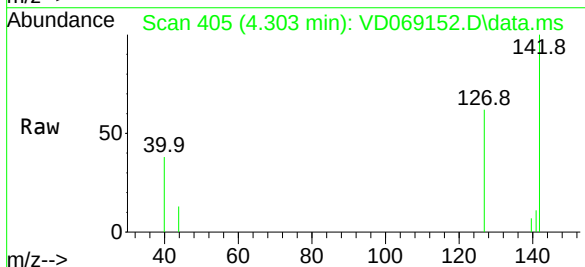
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MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

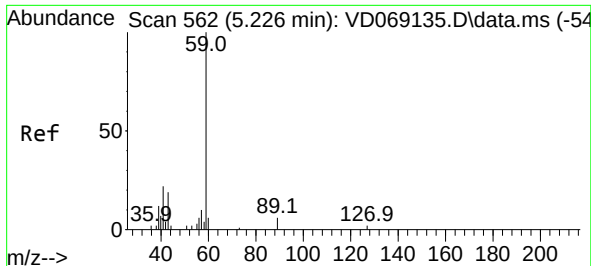
Tgt Ion:101 Resp: 14670  
Ion Ratio Lower Upper  
101 100  
85 44.2 35.2 52.8  
151 34.1 60.6 91.0#



#10  
Methyl Iodide  
Concen: 3.66 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.001 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion:142 Resp: 10528  
Ion Ratio Lower Upper  
142 100  
127 51.0 37.3 55.9  
141 8.6 12.2 18.4#

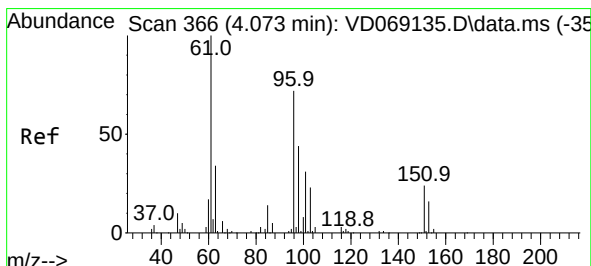
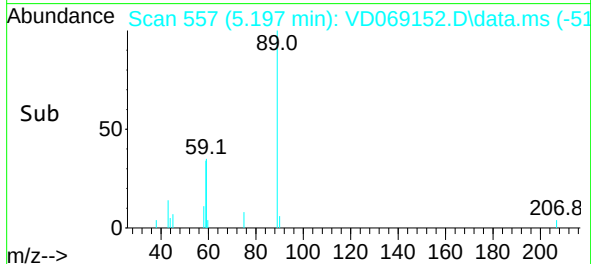
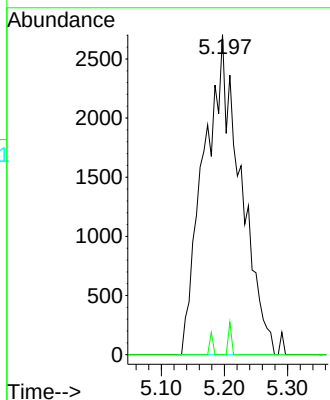
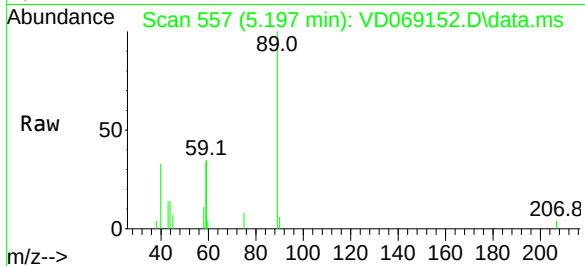




#11  
Tert butyl alcohol  
Concen: 58.77 ug/l  
RT: 5.197 min Scan# 557  
Delta R.T. -0.029 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

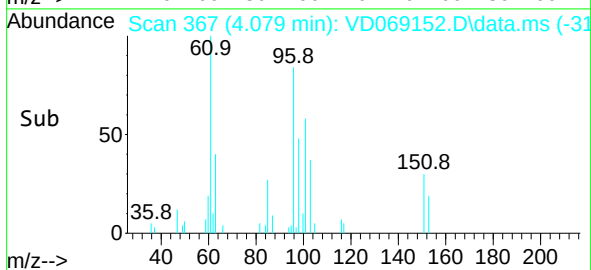
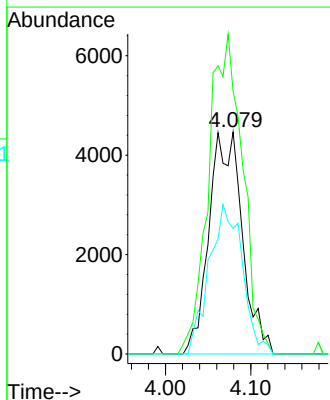
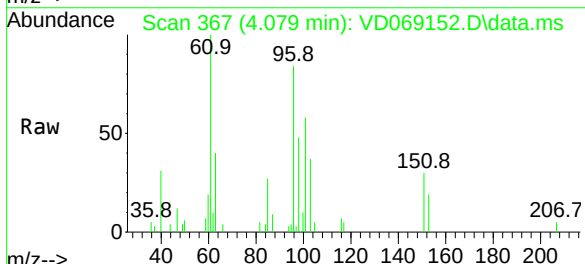
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

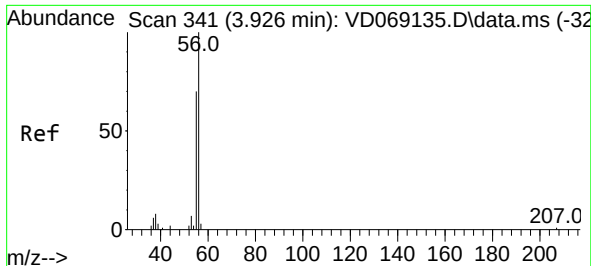
Tgt Ion: 59 Resp: 10902  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 4.45 ug/l  
RT: 4.079 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 96 Resp: 12047  
Ion Ratio Lower Upper  
96 100  
61 118.5 111.1 166.7  
98 56.5 48.4 72.6

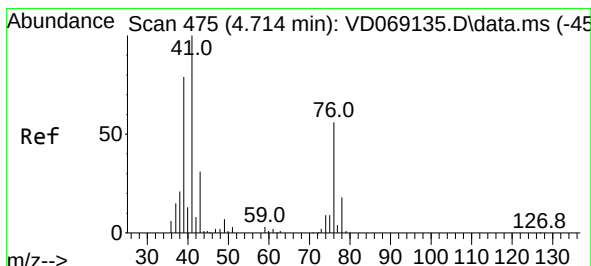
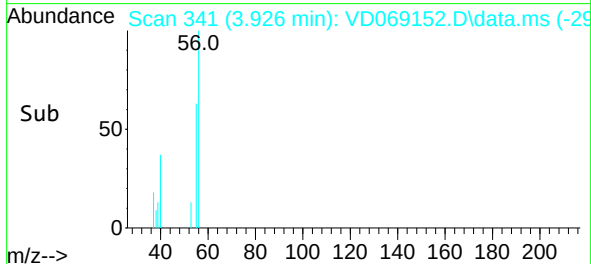
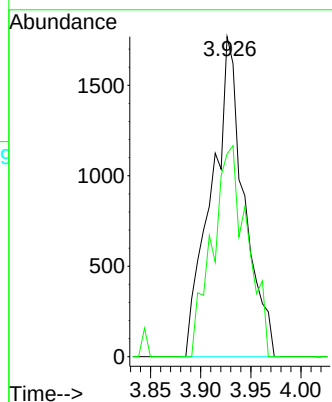
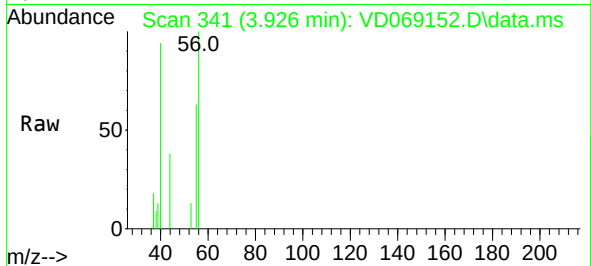




#13  
Acrolein  
Concen: 18.10 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

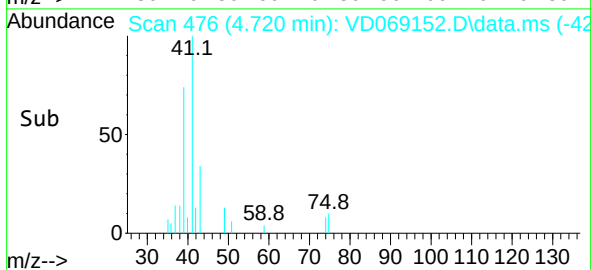
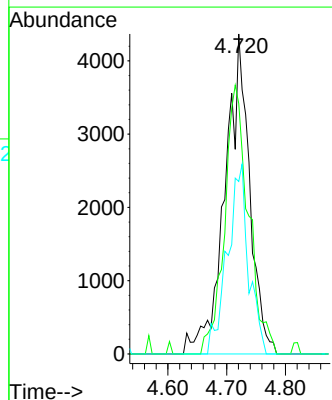
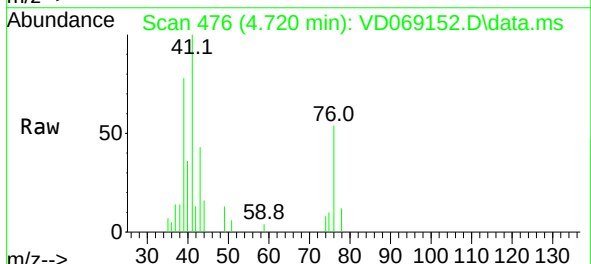
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

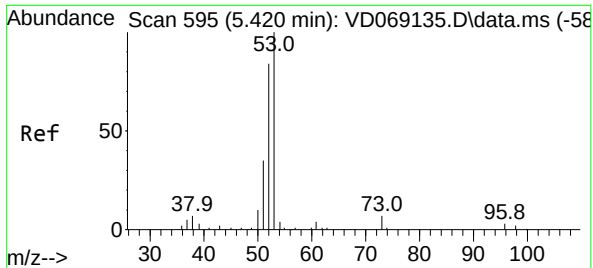
Tgt Ion: 56 Resp: 3998  
Ion Ratio Lower Upper  
56 100  
55 70.5 56.9 85.3



#14  
Allyl chloride  
Concen: 4.30 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 41 Resp: 12774  
Ion Ratio Lower Upper  
41 100  
39 81.5 64.3 96.5  
76 50.5 43.6 65.4

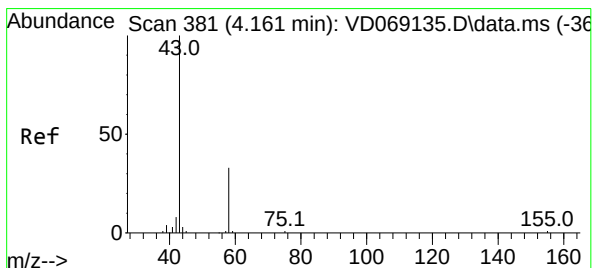
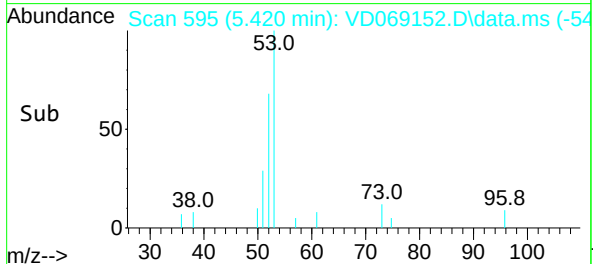
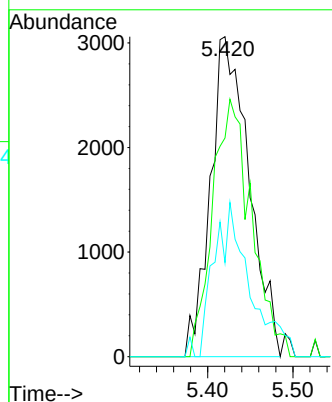
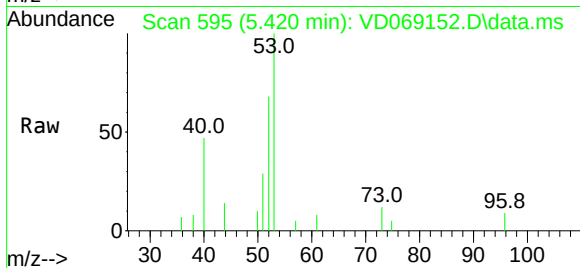




#15  
Acrylonitrile  
Concen: 21.31 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

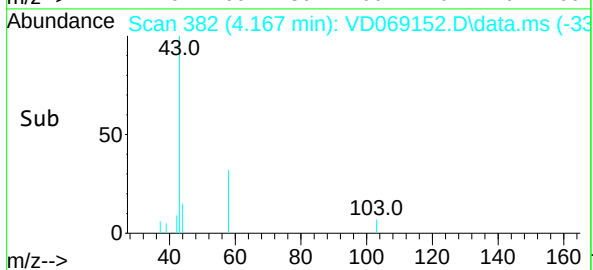
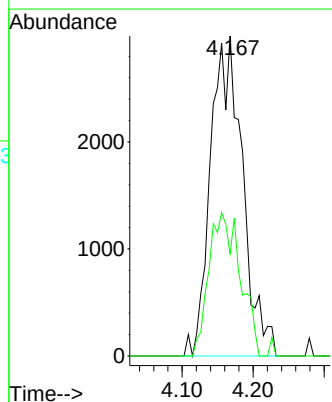
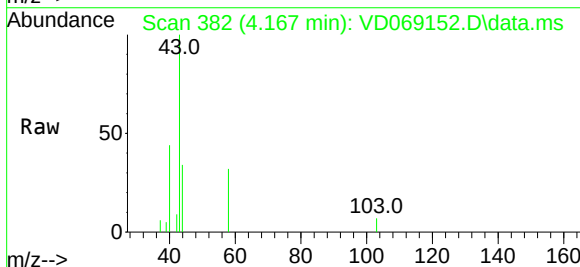
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

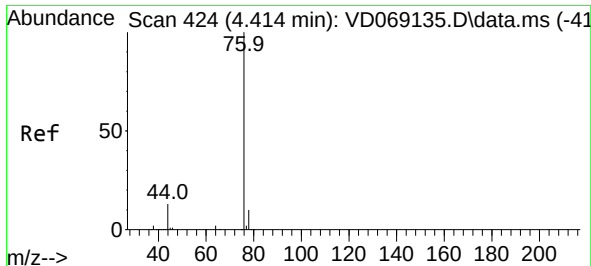
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 9658  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.8  | 64.5  | 96.7  |
| 51       | 44.9  | 30.4  | 45.6  |



#16  
Acetone  
Concen: 22.41 ug/l  
RT: 4.167 min Scan# 382  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9315  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.9  | 26.7  | 40.1  |

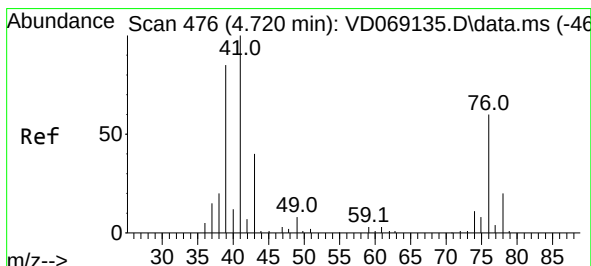
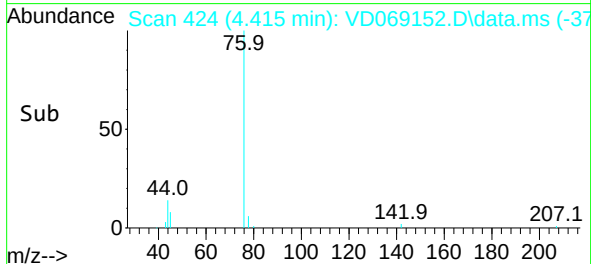
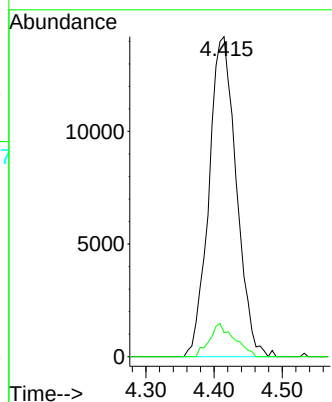
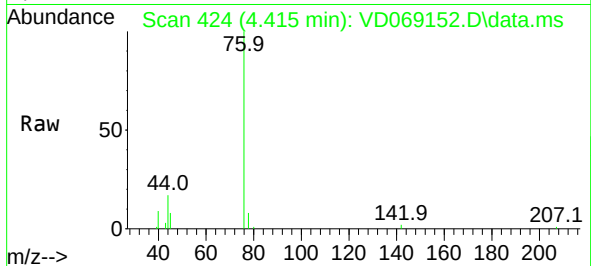




#17  
Carbon Disulfide  
Concen: 4.43 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

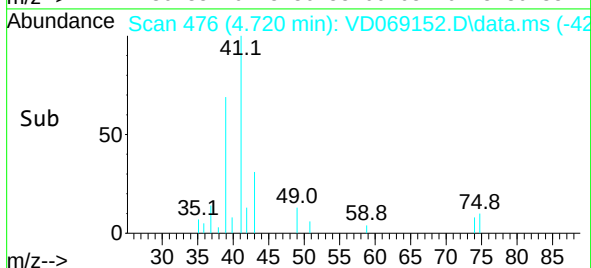
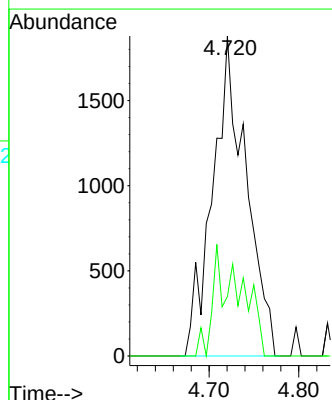
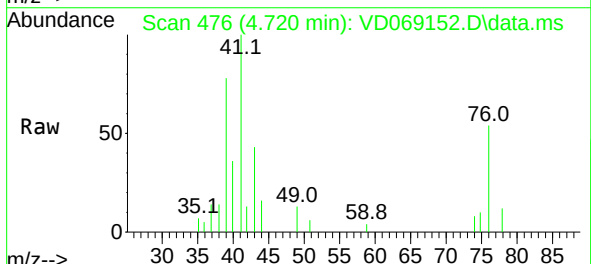
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

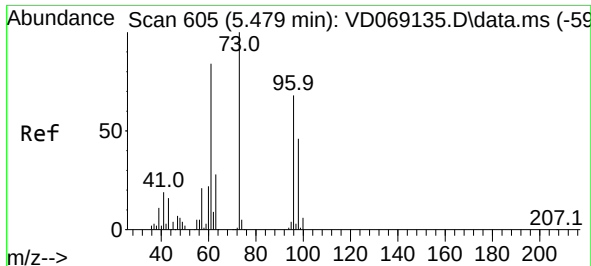
Tgt Ion: 76 Resp: 39744  
Ion Ratio Lower Upper  
76 100  
78 7.5 8.1 12.1#



#18  
Methyl Acetate  
Concen: 4.82 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 43 Resp: 4865  
Ion Ratio Lower Upper  
43 100  
74 15.9 23.8 35.6#

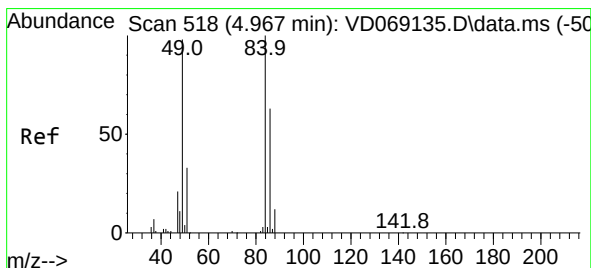
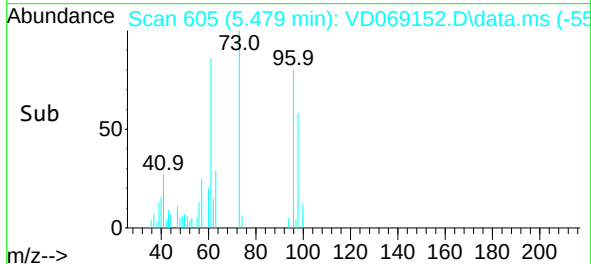
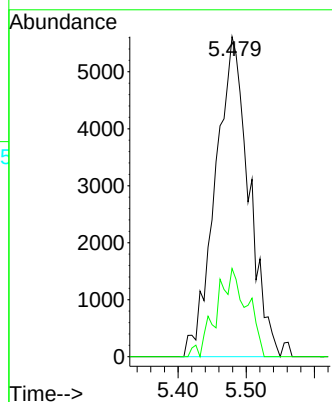
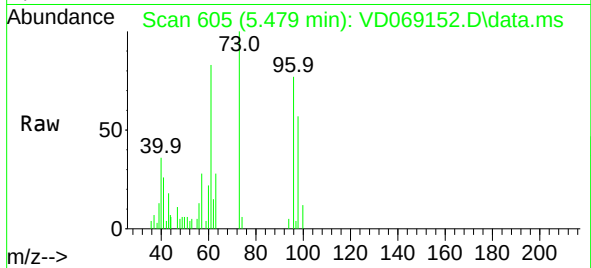




#19  
Methyl tert-butyl Ether  
Concen: 3.89 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

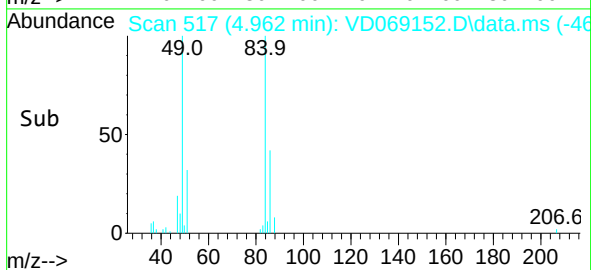
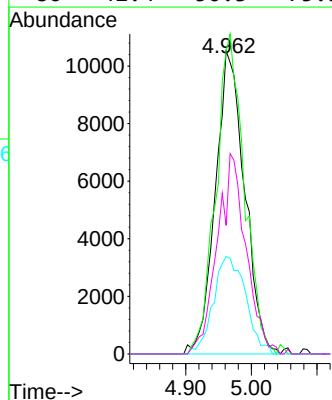
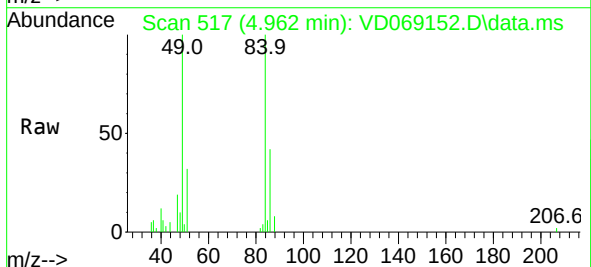
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

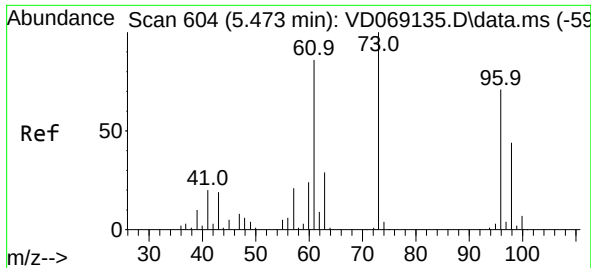
Tgt Ion: 73 Resp: 19146  
Ion Ratio Lower Upper  
73 100  
57 27.6 17.1 25.7#



#20  
Methylene Chloride  
Concen: 7.39 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. -0.005 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

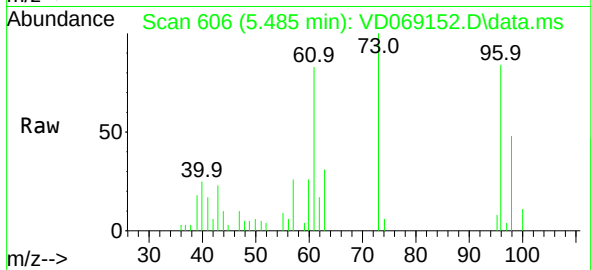
Tgt Ion: 84 Resp: 32543  
Ion Ratio Lower Upper  
84 100  
49 99.8 78.6 117.8  
51 32.2 26.7 40.1  
86 42.4 50.3 75.5#



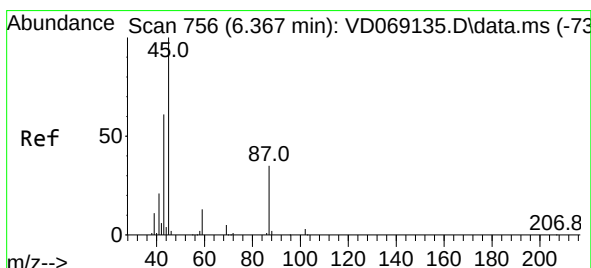
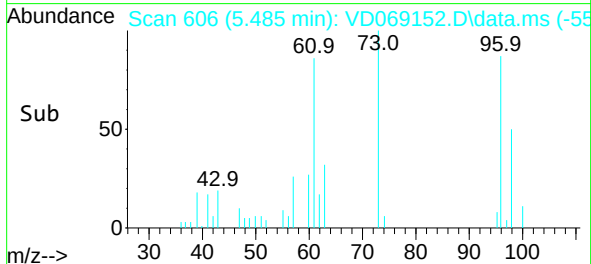
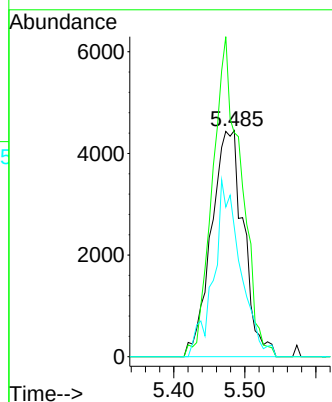


#21  
trans-1,2-Dichloroethene  
Concen: 4.36 ug/l  
RT: 5.485 min Scan# 606  
Delta R.T. 0.012 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

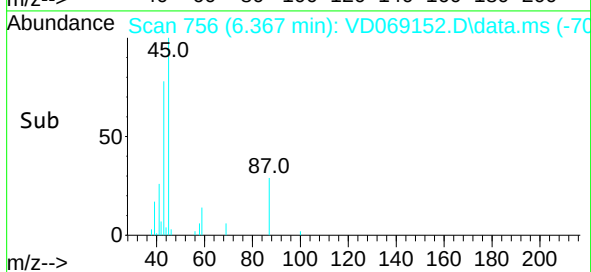
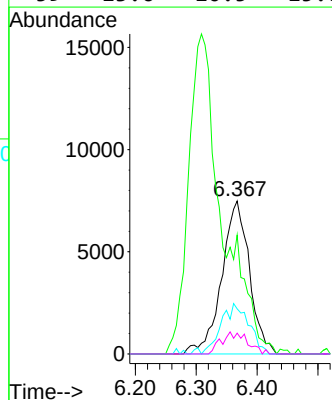
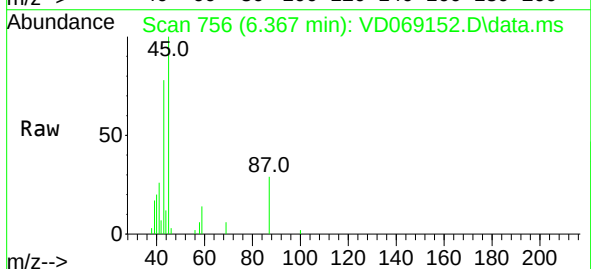


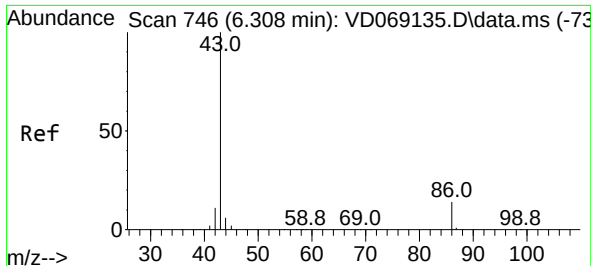
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 14019 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 99.1  | 97.7  | 146.5 |
| 98       | 57.2  | 49.4  | 74.2  |



#22  
Diisopropyl ether  
Concen: 3.98 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 23635 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 74.6  | 48.6  | 73.0# |
| 87       | 29.5  | 28.5  | 42.7  |
| 59       | 13.6  | 10.5  | 15.7  |

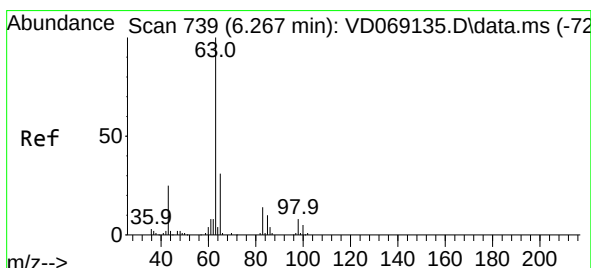
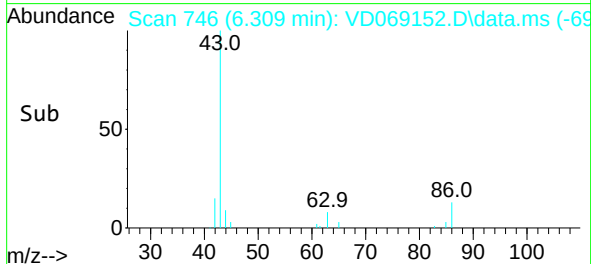
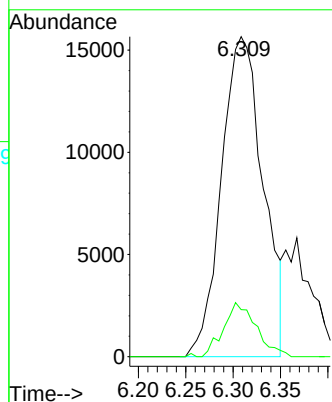
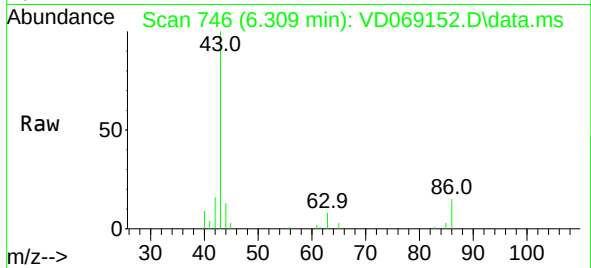




#23  
 Vinyl Acetate  
 Concen: 13.67 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD069152.D  
 Acq: 13 May 2021 12:51

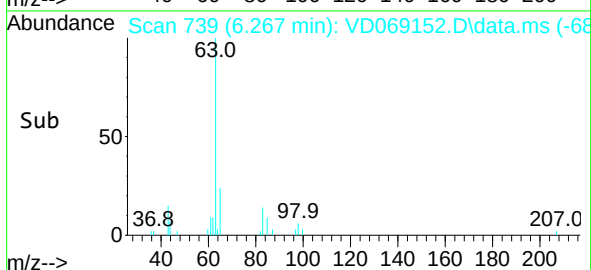
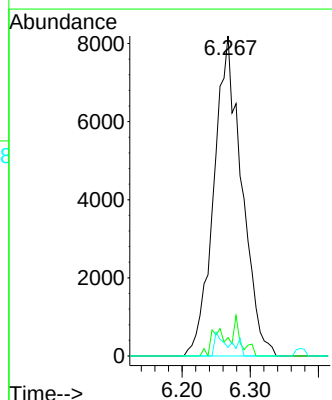
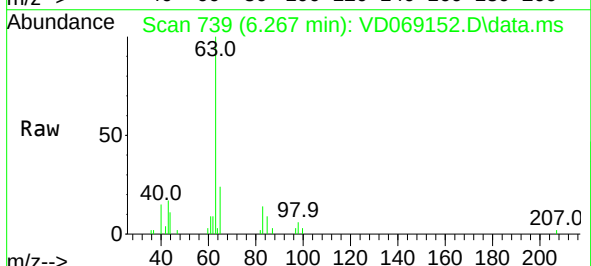
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2021

Tgt Ion: 43 Resp: 47873  
 Ion Ratio Lower Upper  
 43 100  
 86 14.7 11.1 16.7

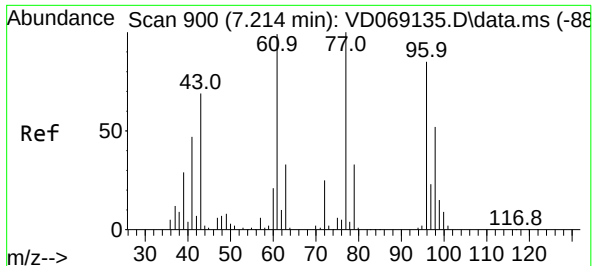


#24  
 1,1-Dichloroethane  
 Concen: 4.56 ug/l  
 RT: 6.267 min Scan# 739  
 Delta R.T. 0.000 min  
 Lab File: VD069152.D  
 Acq: 13 May 2021 12:51

Tgt Ion: 63 Resp: 23370  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.9 11.5  
 100 2.7 2.5 7.6







#25

2-Butanone

Concen: 20.57 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.000 min

Lab File: VD069152.D

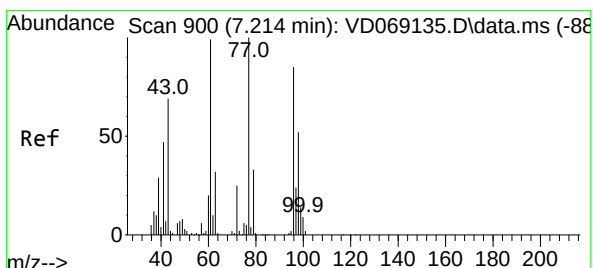
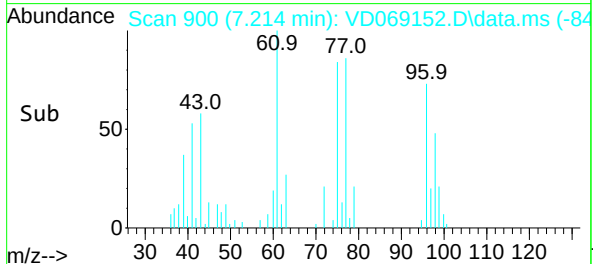
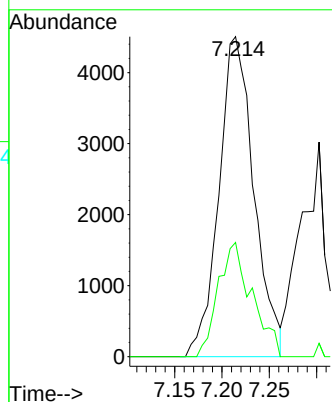
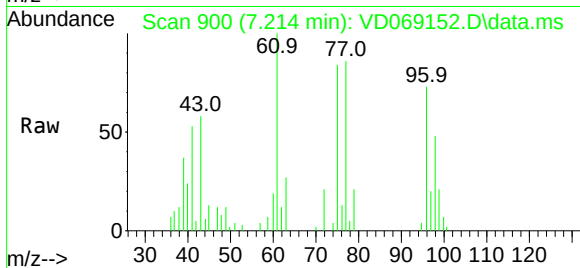
Acq: 13 May 2021 12:51

Tgt Ion: 43 Resp: 11588

Ion Ratio Lower Upper

43 100

72 35.7 29.1 43.7



#26

2,2-Dichloropropane

Concen: 4.70 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.011 min

Lab File: VD069152.D

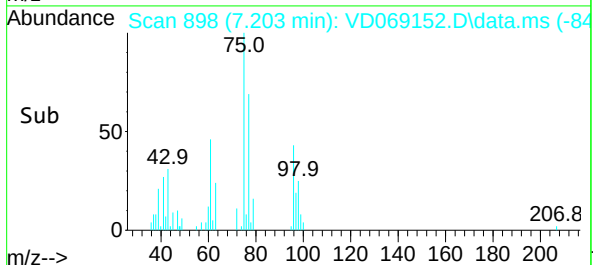
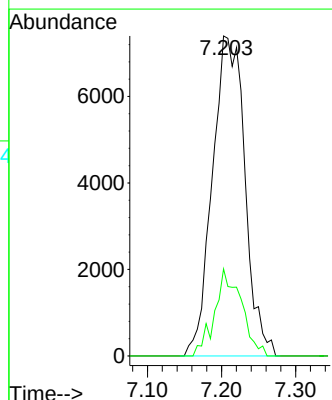
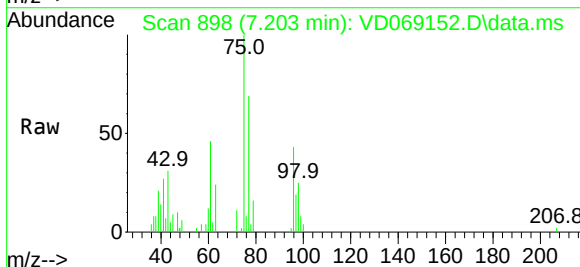
Acq: 13 May 2021 12:51

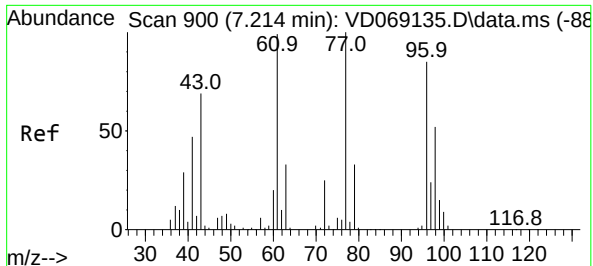
Tgt Ion: 77 Resp: 22513

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5

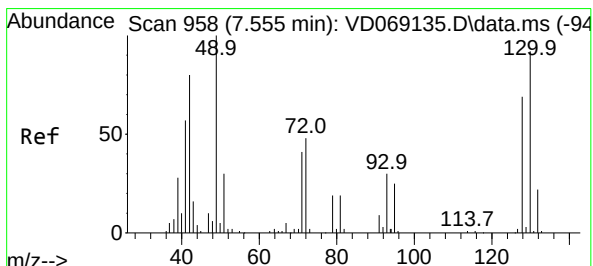
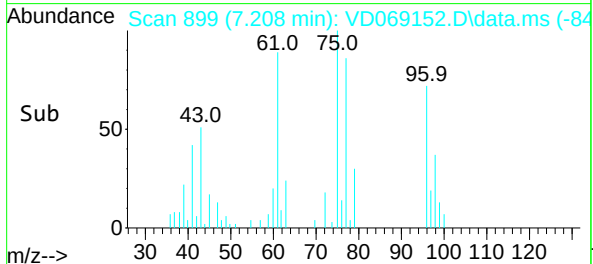
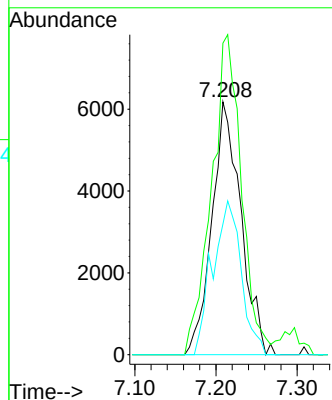
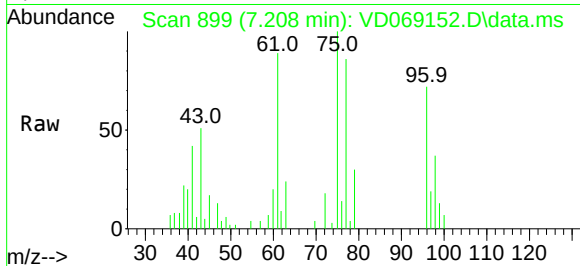




#27  
cis-1,2-Dichloroethene  
Concen: 4.39 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

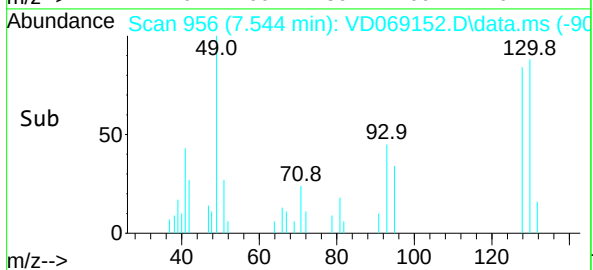
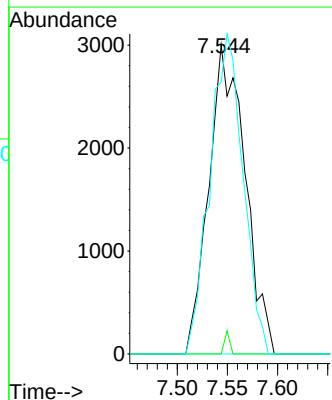
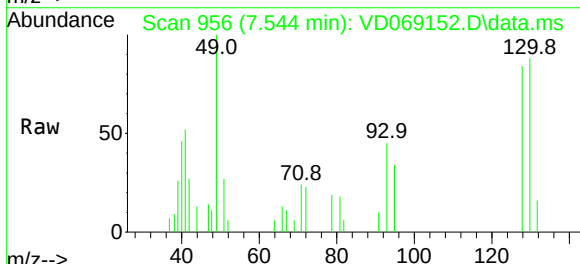
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

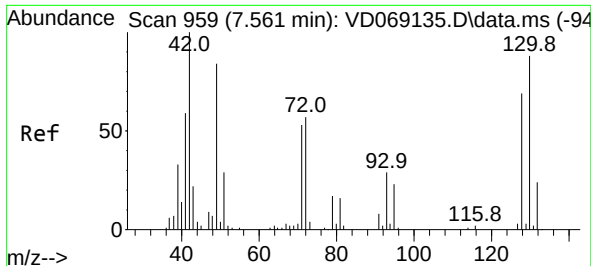
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 15326 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 130.5 | 0.0   | 263.8 |
| 98        | 60.2  | 0.0   | 132.2 |



#28  
Bromochloromethane  
Concen: 4.12 ug/l  
RT: 7.544 min Scan# 956  
Delta R.T. -0.011 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 7535  |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 1.0   | 0.0   | 6.4   |
| 130       | 94.9  | 75.8  | 113.6 |





#29

Tetrahydrofuran

Concen: 18.63 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

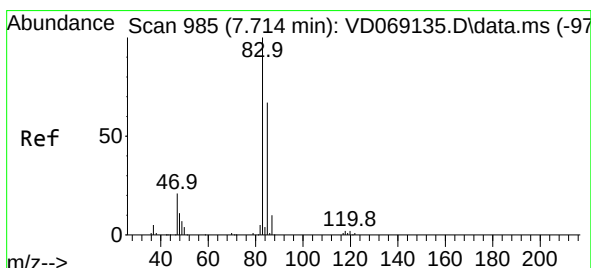
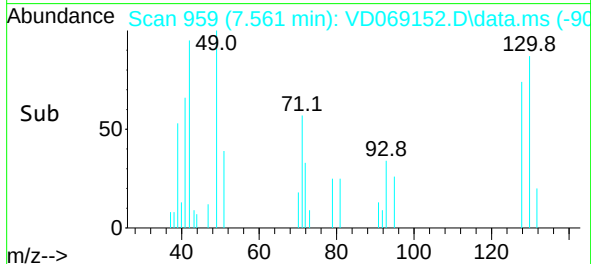
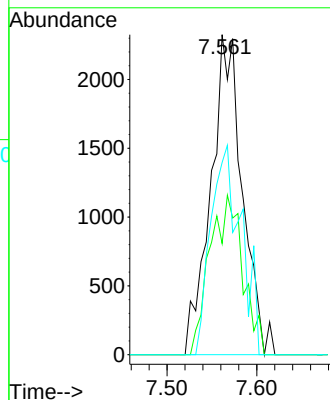
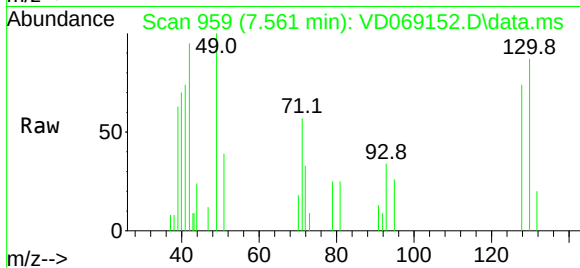
Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-03-QT2-2021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 5705  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 51.9  | 45.9  | 68.9  |
| 71       | 62.6  | 42.9  | 64.3  |



#30

Chloroform

Concen: 4.69 ug/l

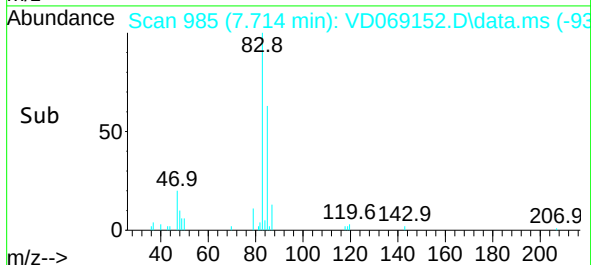
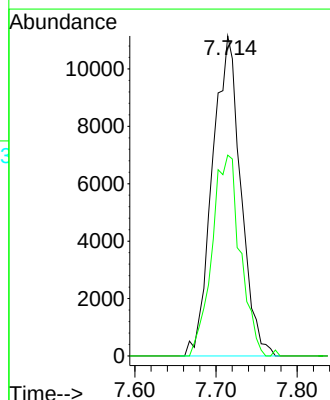
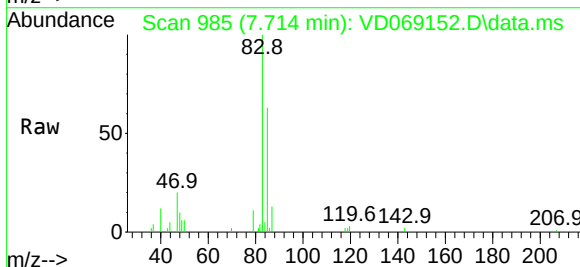
RT: 7.714 min Scan# 985

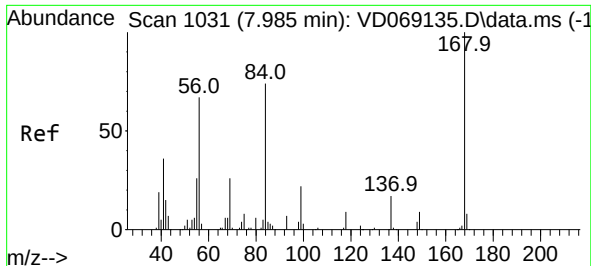
Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 27083 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.8  | 54.0  | 81.0  |

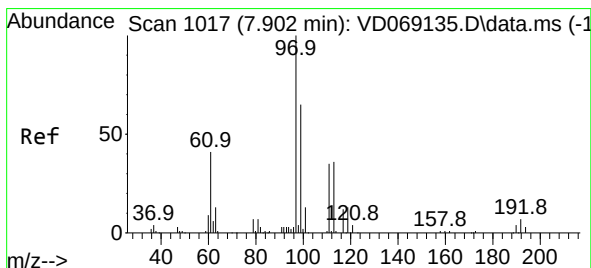
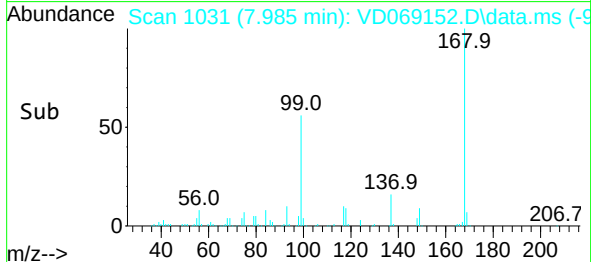
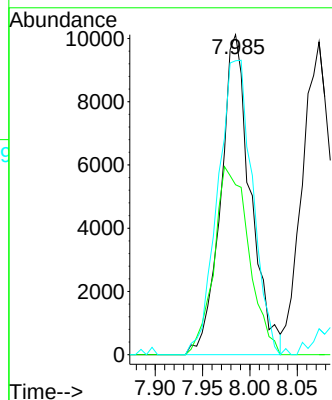
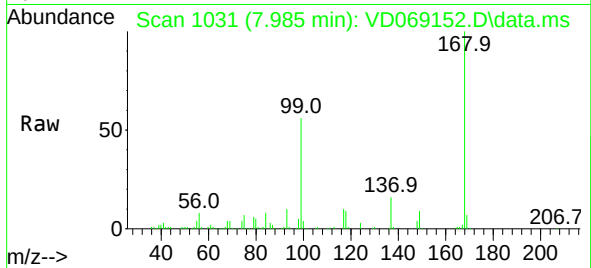




#31  
Cyclohexane  
Concen: 5.52 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

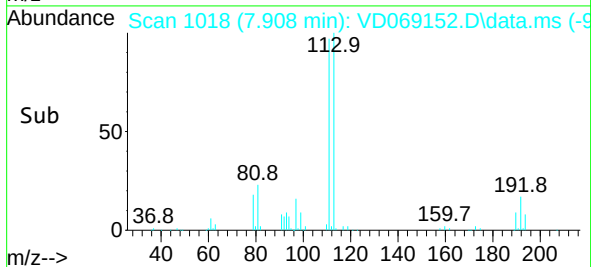
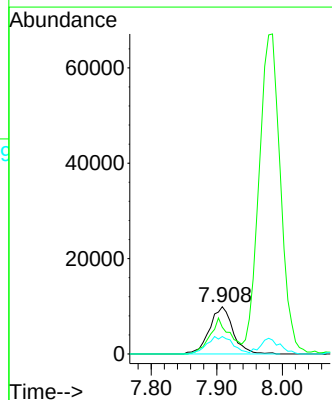
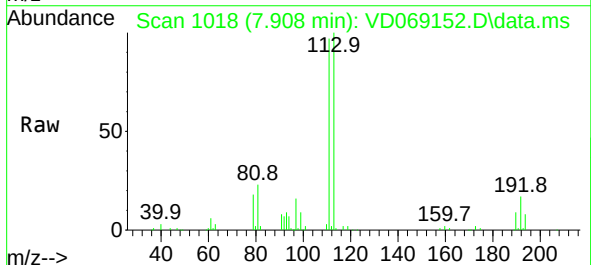
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

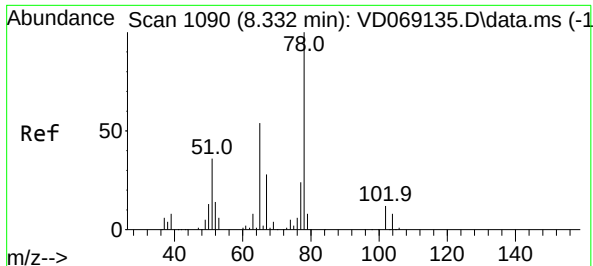
Tgt Ion: 56 Resp: 22192  
Ion Ratio Lower Upper  
56 100  
69 53.1 30.6 46.0#  
84 91.8 88.0 132.0



#32  
1,1,1-Trichloroethane  
Concen: 4.66 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 97 Resp: 24427  
Ion Ratio Lower Upper  
97 100  
99 65.7 51.5 77.3  
61 41.1 32.5 48.7

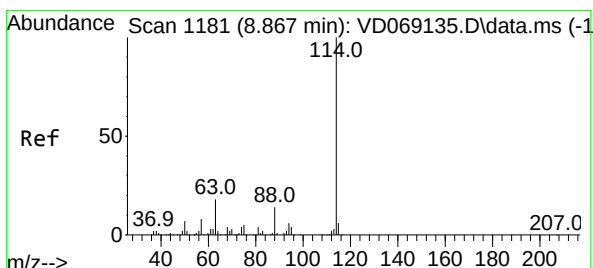
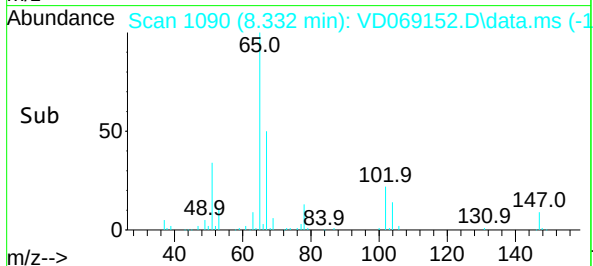
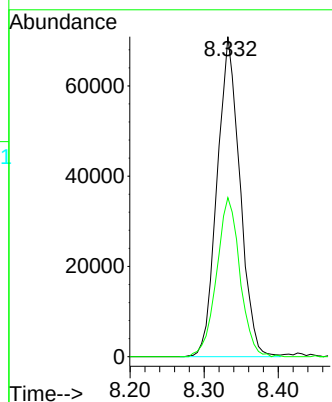
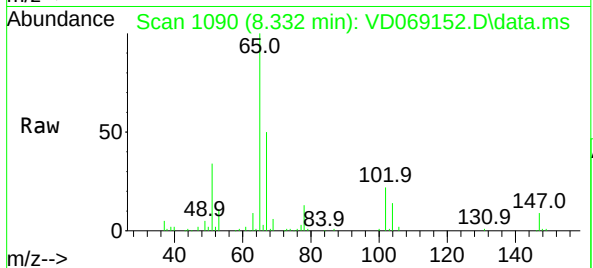




#33  
1,2-Dichloroethane-d4  
Concen: 55.69 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

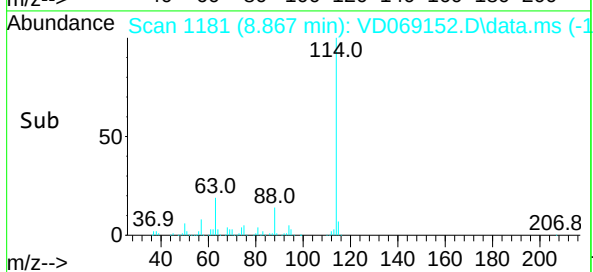
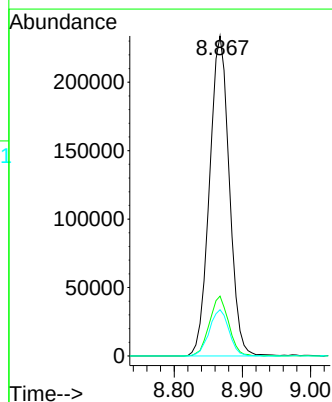
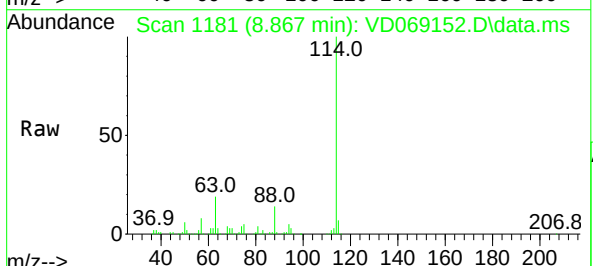
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

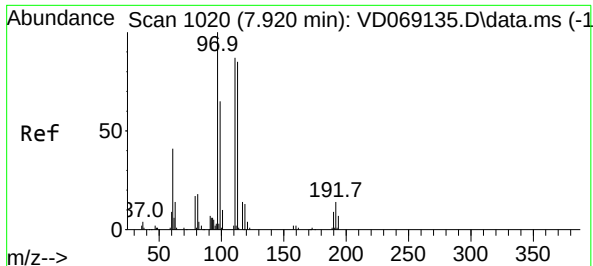
Tgt Ion: 65 Resp: 151154  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 114 Resp: 471547  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 36.4  
88 14.5 0.0 28.2

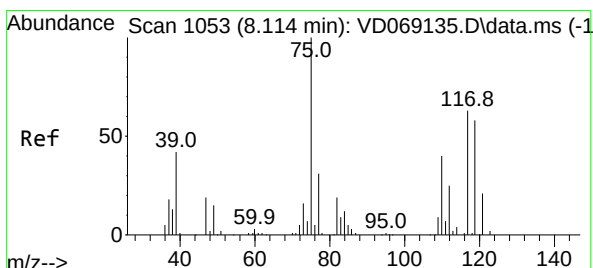
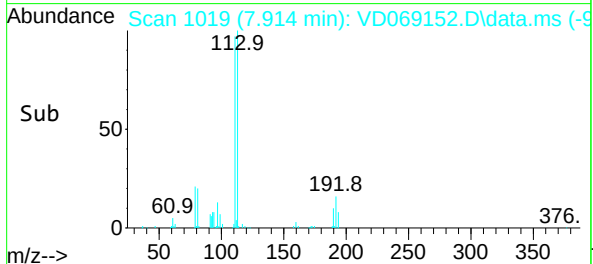
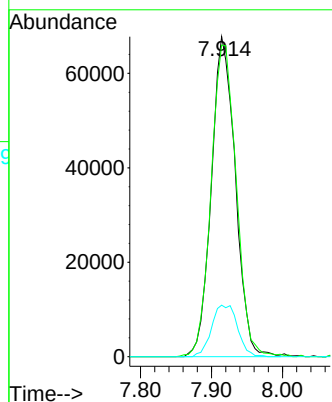
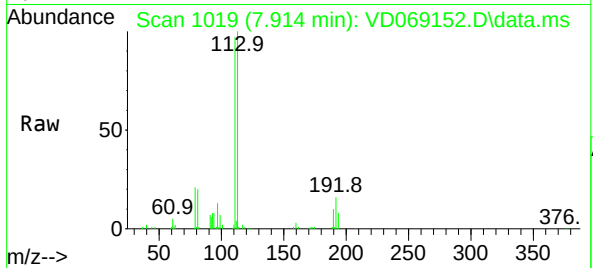




#35  
Dibromofluoromethane  
Concen: 51.80 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

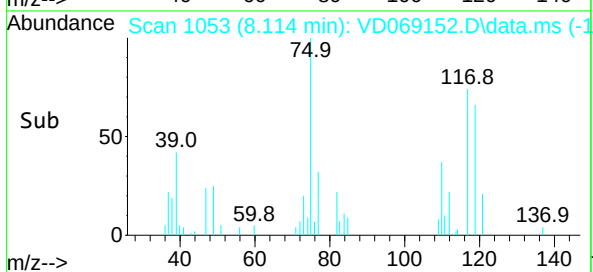
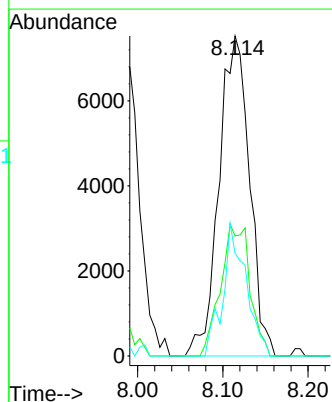
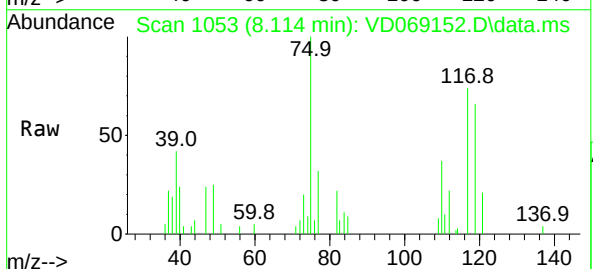
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

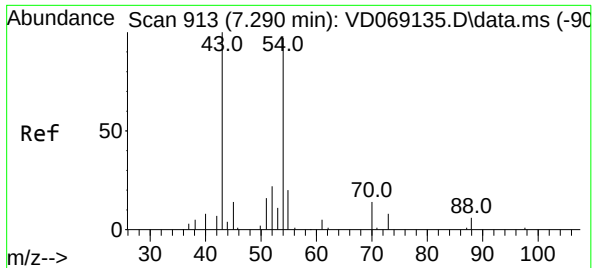
Tgt Ion:113 Resp: 158952  
Ion Ratio Lower Upper  
113 100  
111 102.2 80.6 120.8  
192 17.4 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 4.08 ug/l  
RT: 8.114 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 75 Resp: 18726  
Ion Ratio Lower Upper  
75 100  
110 39.4 18.8 56.4  
77 31.5 25.2 37.8

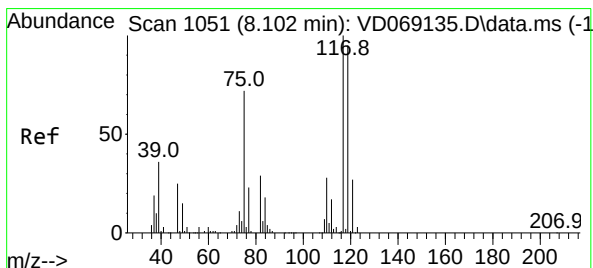
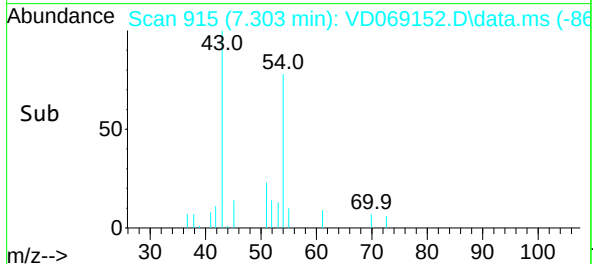
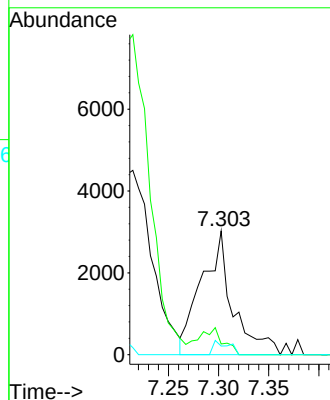
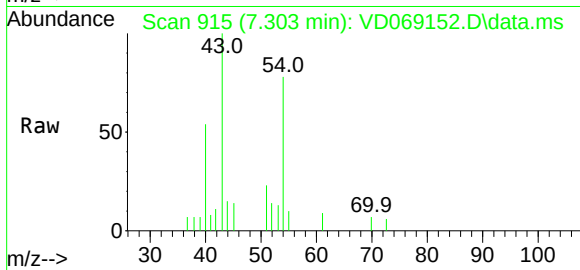




#37  
Ethyl Acetate  
Concen: 4.45 ug/l  
RT: 7.303 min Scan# 915  
Delta R.T. 0.012 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

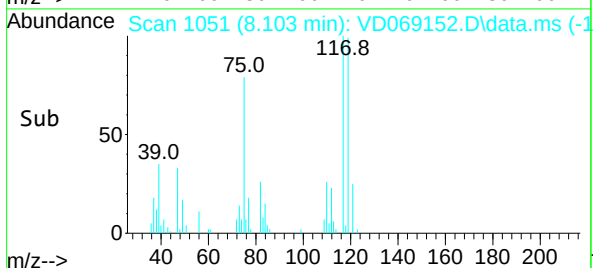
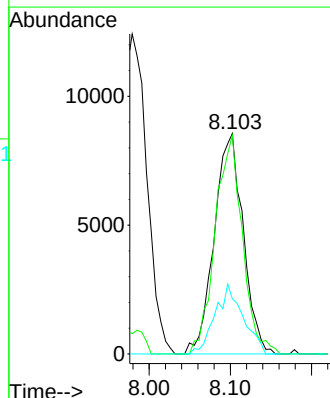
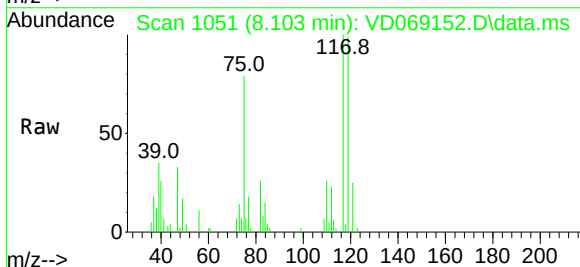
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

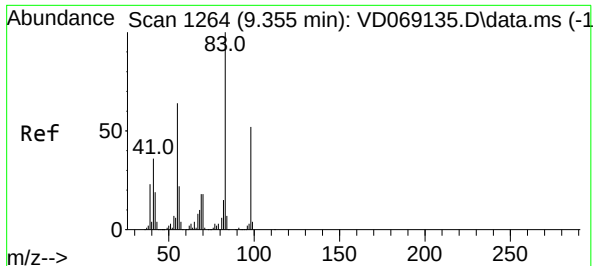
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6551  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 17.1  | 11.5  | 17.3  |
| 70       | 5.6   | 10.4  | 15.6# |



#38  
Carbon Tetrachloride  
Concen: 4.13 ug/l  
RT: 8.103 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 21167 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.2  | 76.2  | 114.2 |
| 121      | 25.1  | 21.9  | 32.9  |





#39

Methylcyclohexane

Concen: 3.64 ug/l

RT: 9.355 min Scan# 1264

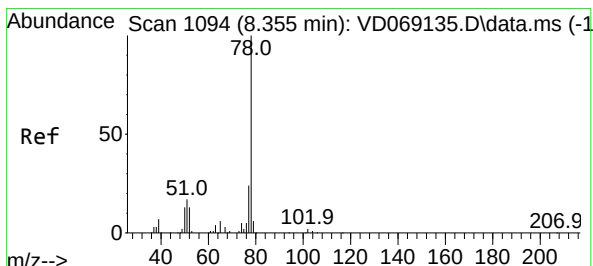
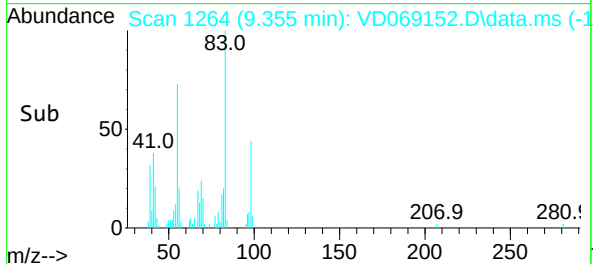
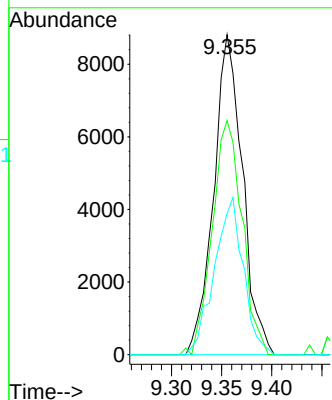
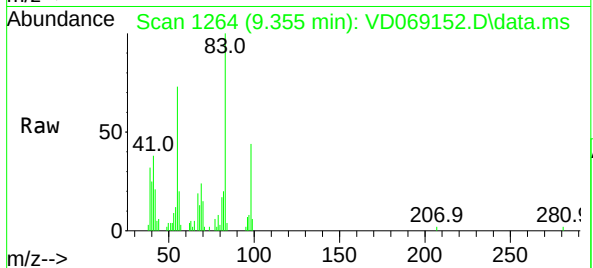
Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

Tgt Ion: 83 Resp: 17614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 73.1  | 51.2  | 76.8  |
| 98  | 44.1  | 41.4  | 62.2  |



#40

Benzene

Concen: 4.27 ug/l

RT: 8.355 min Scan# 1094

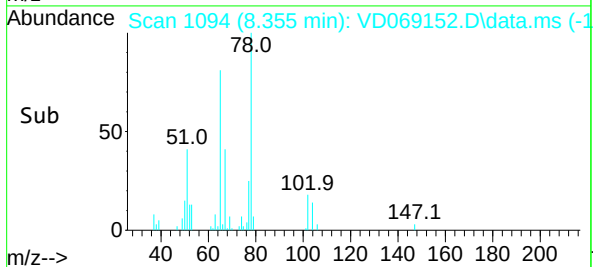
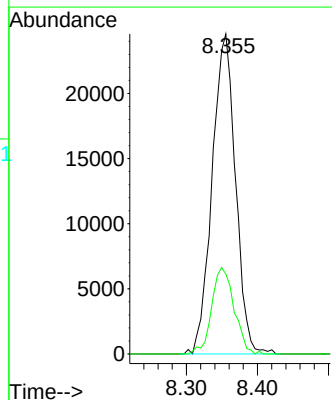
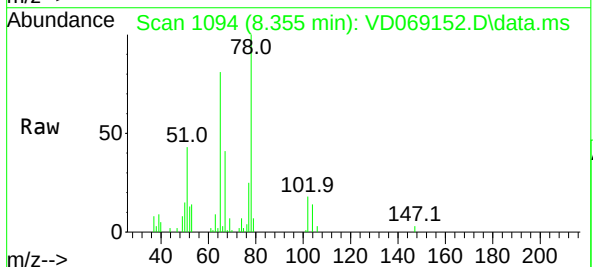
Delta R.T. 0.000 min

Lab File: VD069152.D

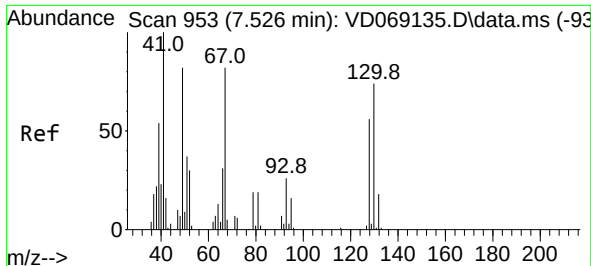
Acq: 13 May 2021 12:51

Tgt Ion: 78 Resp: 56050

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 25.0  | 19.1  | 28.7  |



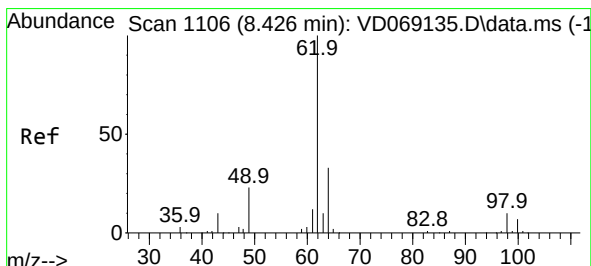
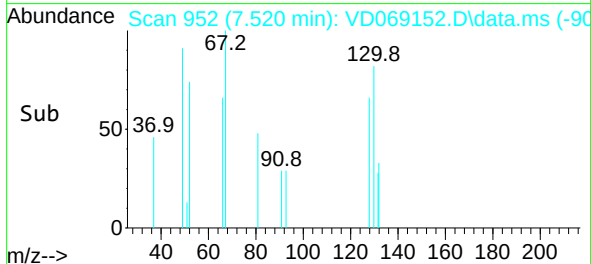
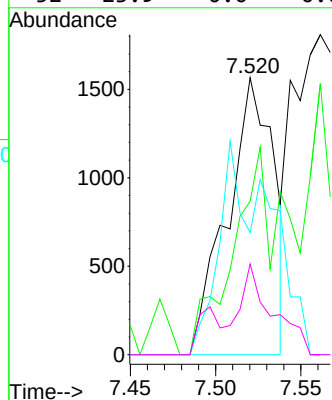
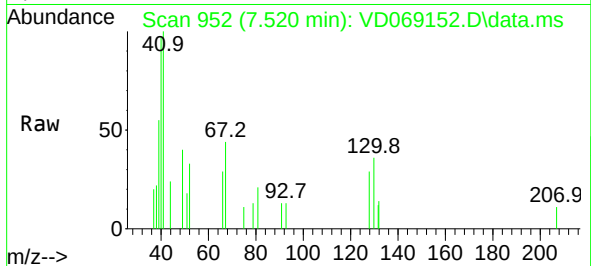




#41  
Methacrylonitrile  
Concen: 3.78 ug/l  
RT: 7.520 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

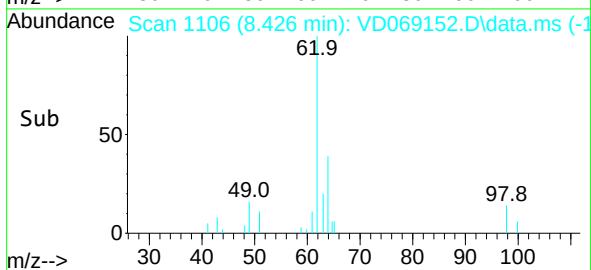
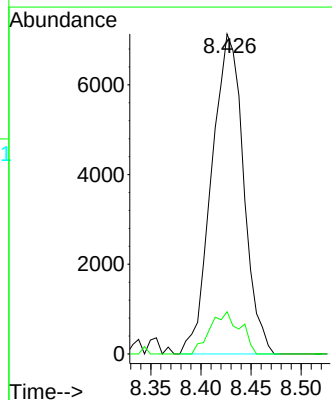
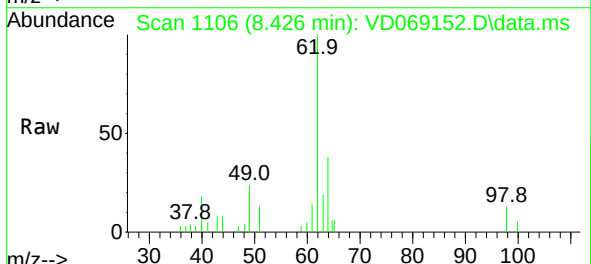
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

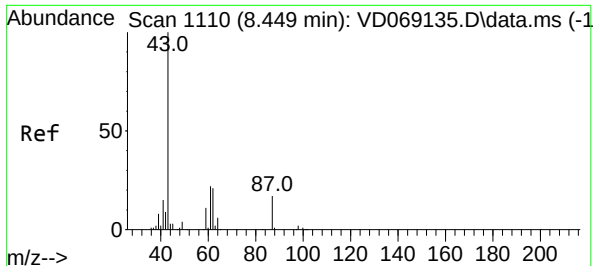
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2962  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.2  | 58.0  | 87.0# |
| 67       | 45.4  | 0.0   | 0.0#  |
| 52       | 23.9  | 0.0   | 0.0#  |



#42  
1,2-Dichloroethane  
Concen: 4.41 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 15802 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 12.6  | 0.0   | 20.6  |

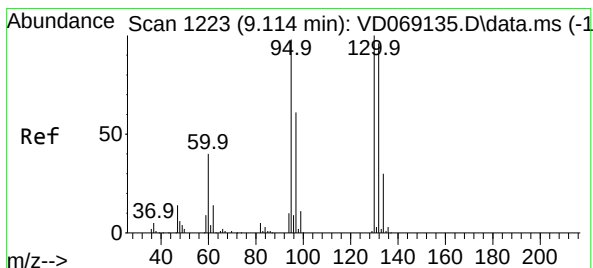
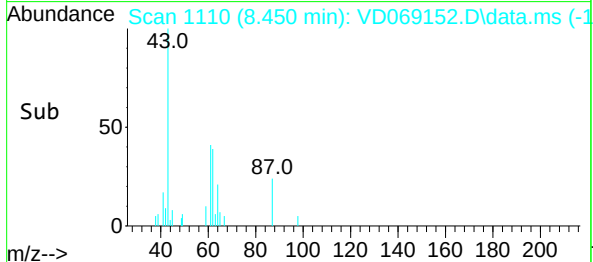
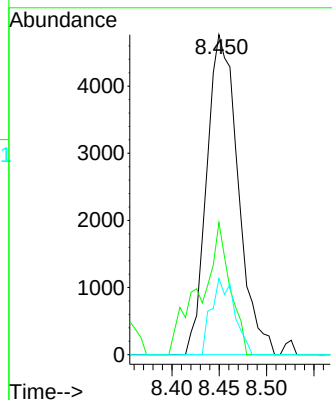
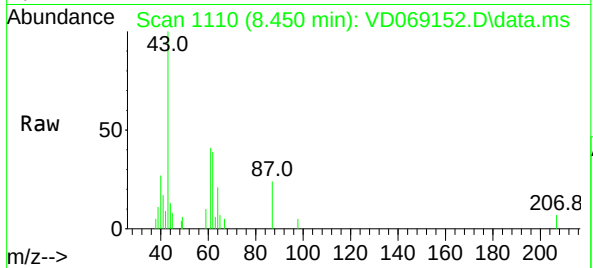




#43  
Isopropyl Acetate  
Concen: 4.11 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

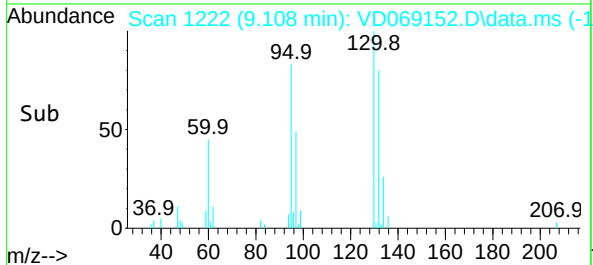
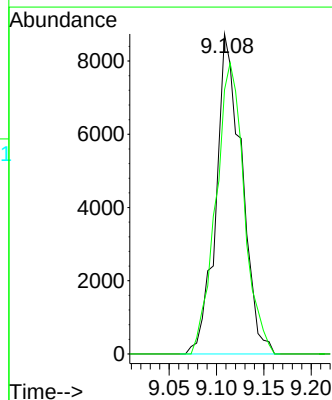
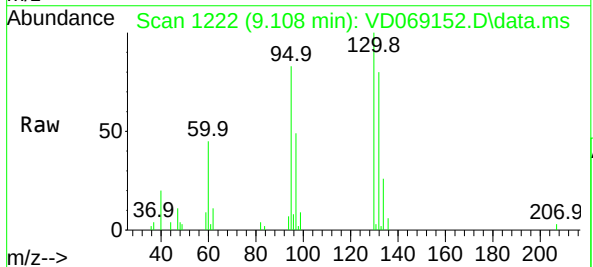
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

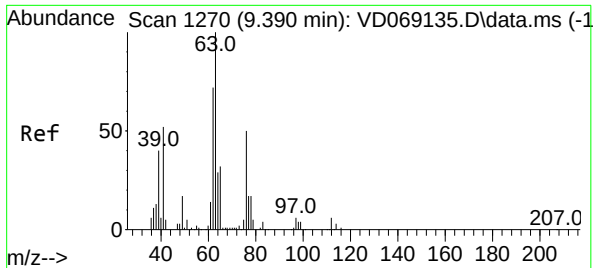
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 10983 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 39.4  | 28.6  | 42.8  |
| 87        | 17.7  | 13.8  | 20.8  |



#44  
Trichloroethene  
Concen: 4.50 ug/l  
RT: 9.108 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 16512 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 82.6  | 0.0   | 196.2 |





#45

1,2-Dichloropropane

Concen: 4.07 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

Instrument :

MSVOA\_D

ClientSampleId :

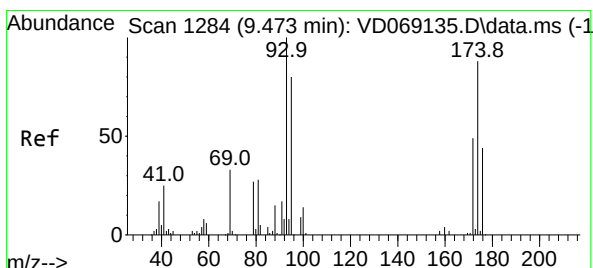
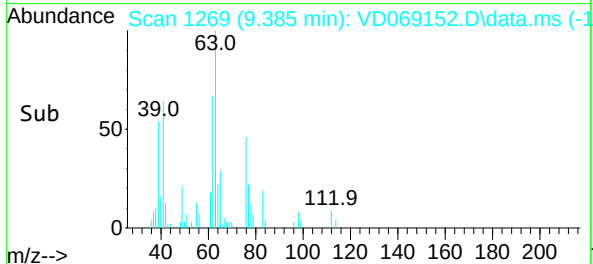
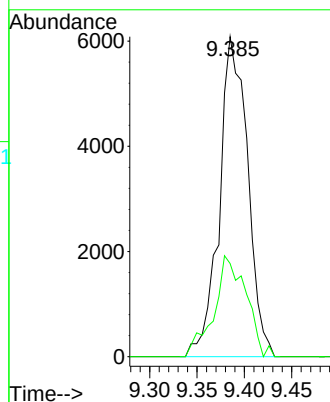
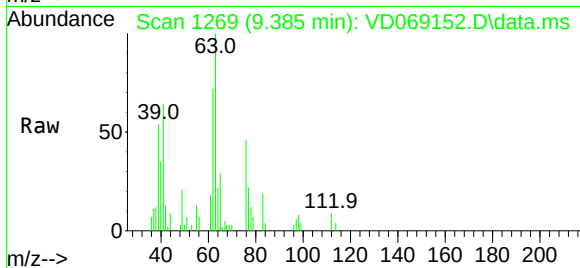
MDL-SOIL-03-QT2-2021

Tgt Ion: 63 Resp: 12630

Ion Ratio Lower Upper

63 100

65 29.1 25.9 38.9



#46

Dibromomethane

Concen: 4.12 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

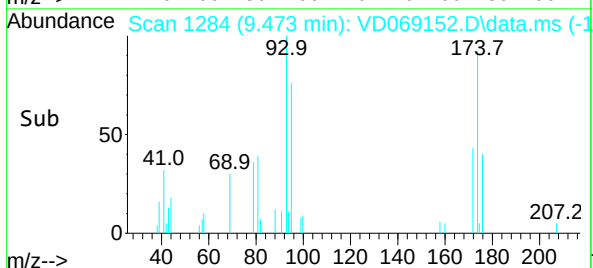
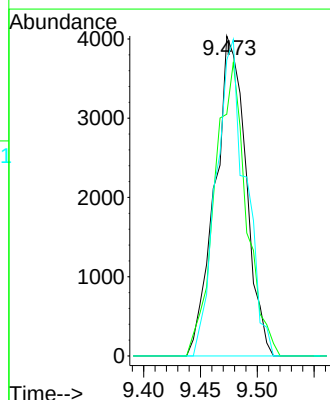
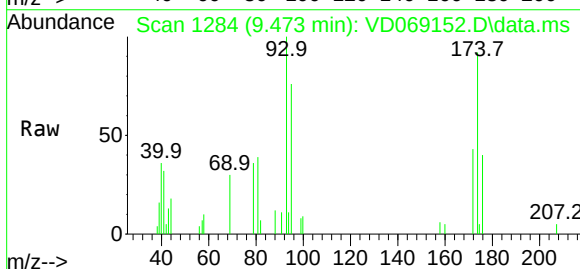
Tgt Ion: 93 Resp: 7639

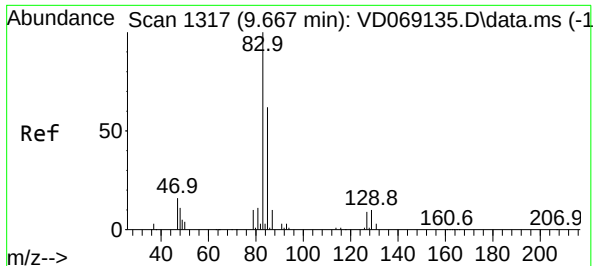
Ion Ratio Lower Upper

93 100

95 93.7 65.9 98.9

174 94.9 76.6 115.0

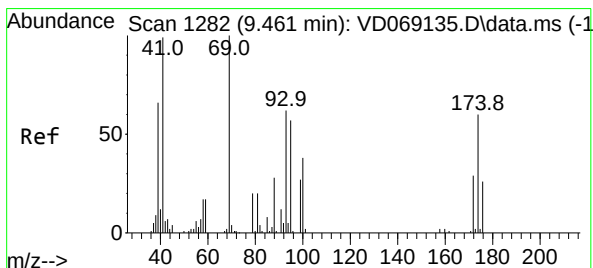
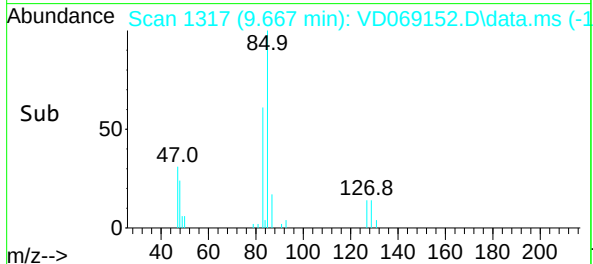
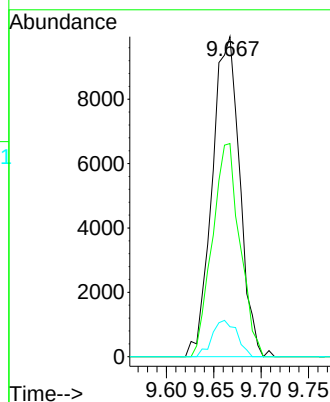
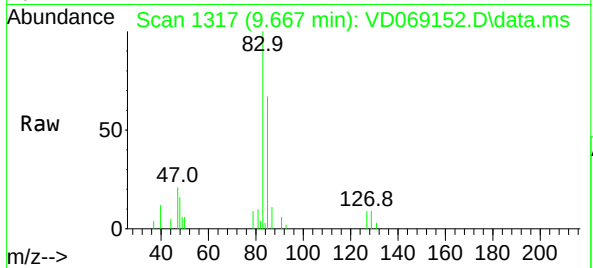




#47  
Bromodichloromethane  
Concen: 4.27 ug/l  
RT: 9.667 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

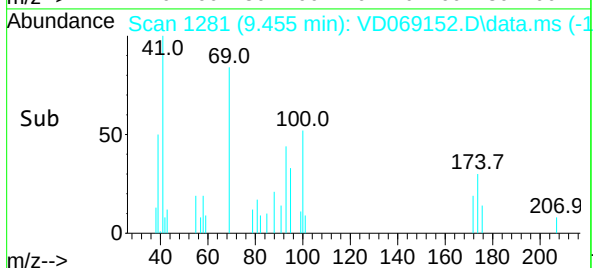
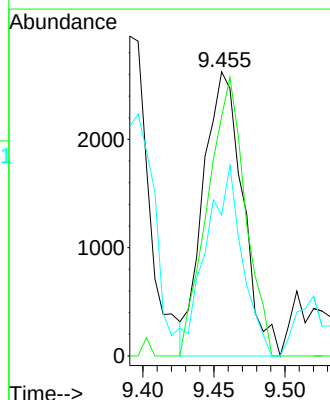
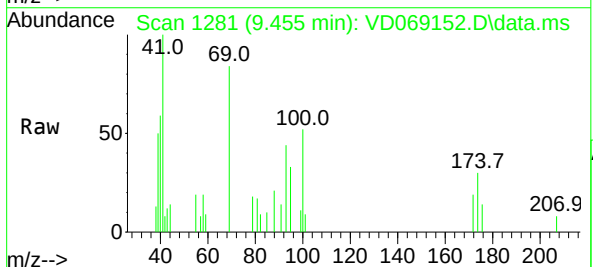
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

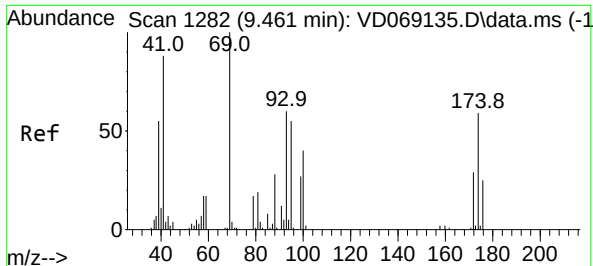
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 20140 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.6  | 50.0  | 75.0  |
| 127      | 9.4   | 7.1   | 10.7  |



#48  
Methyl methacrylate  
Concen: 4.09 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 5064  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 94.1  | 88.0  | 132.0 |
| 39       | 62.5  | 51.4  | 77.0  |

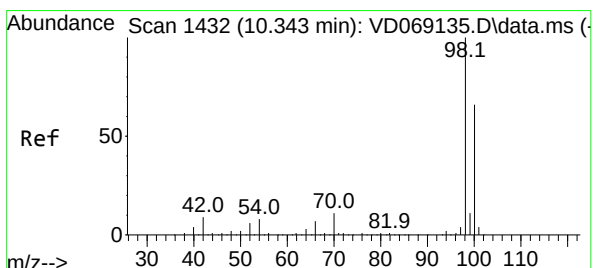
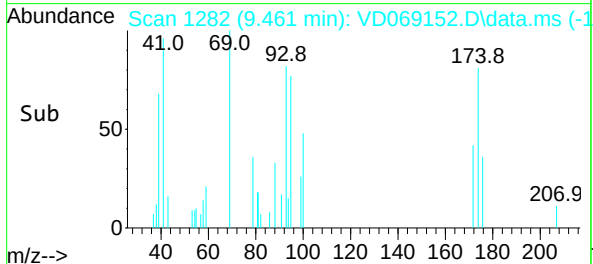
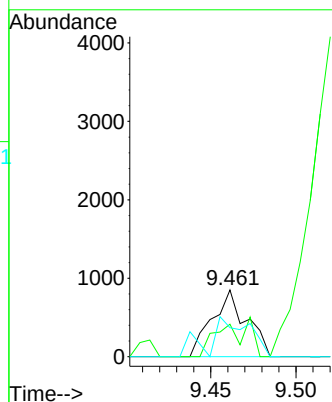
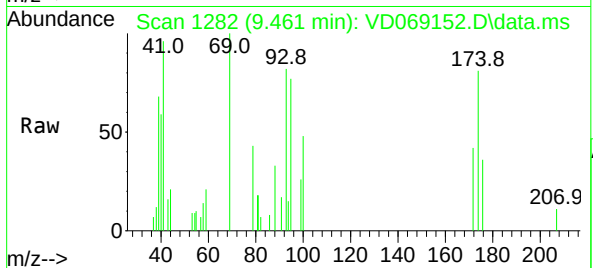




#49  
1,4-Dioxane  
Concen: 68.86 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

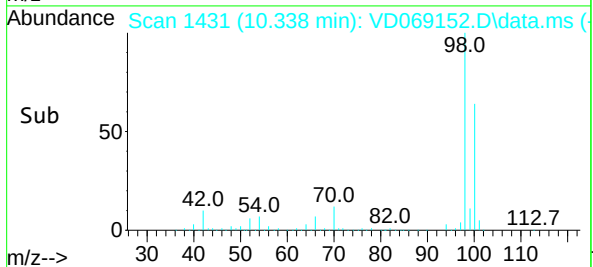
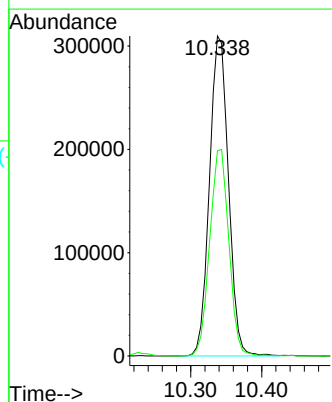
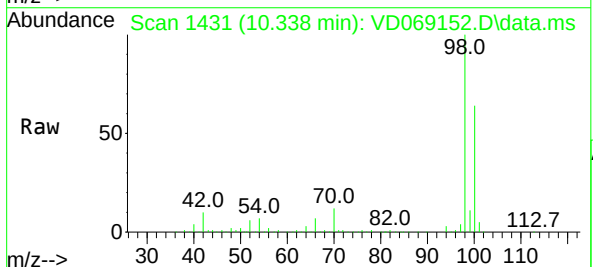
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

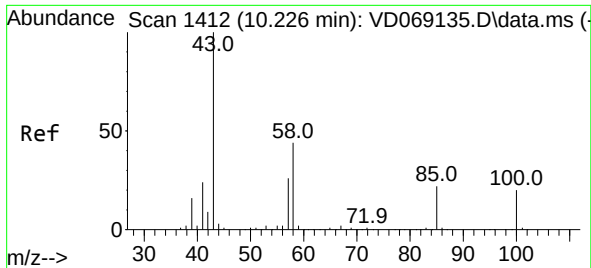
Tgt Ion: 88 Resp: 1200  
Ion Ratio Lower Upper  
88 100  
43 49.5 26.7 40.1#  
58 69.2 45.8 68.6#



#50  
Toluene-d8  
Concen: 50.91 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 98 Resp: 574012  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.8

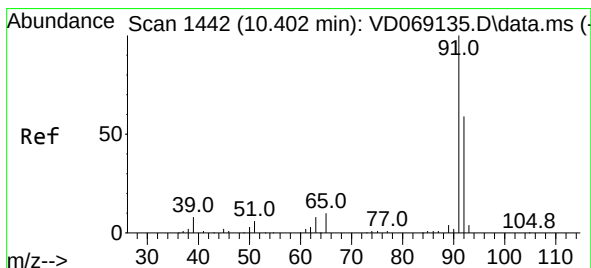
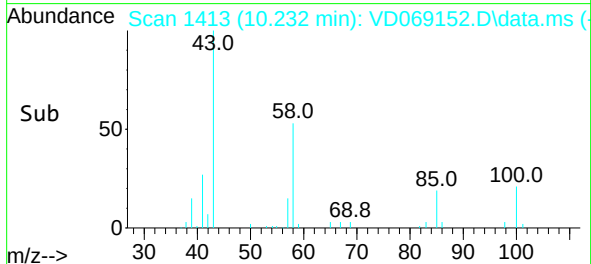
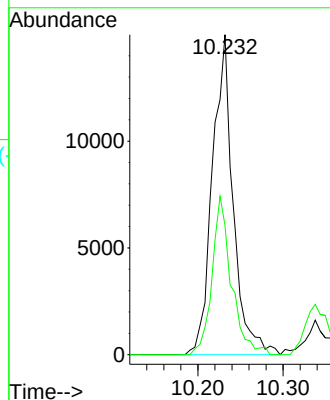
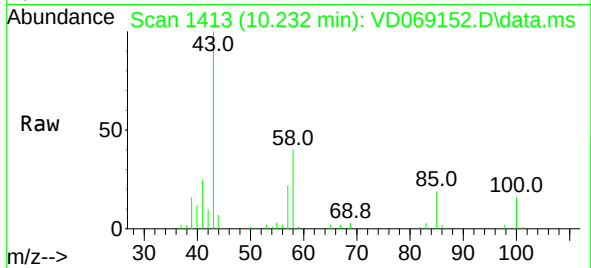




#51  
4-Methyl-2-Pentanone  
Concen: 18.45 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

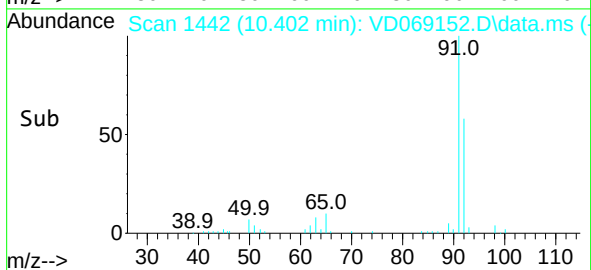
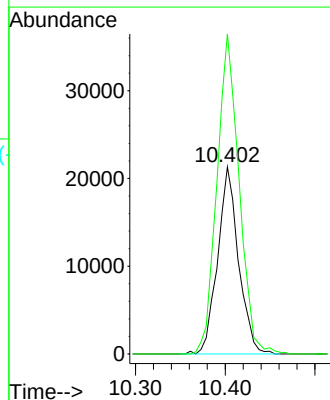
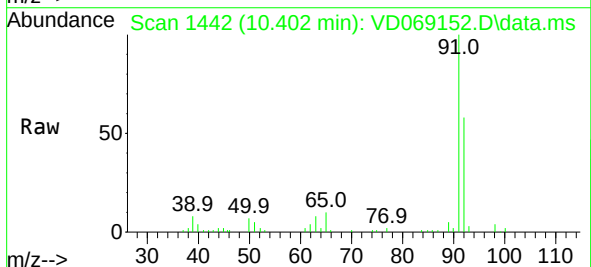
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

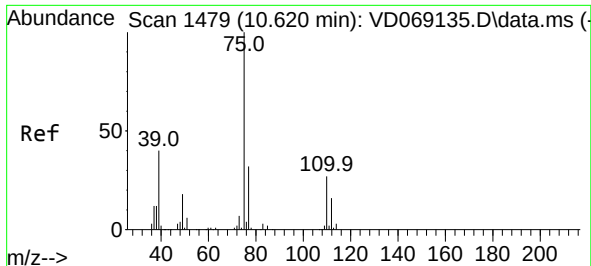
Tgt Ion: 43 Resp: 25396  
Ion Ratio Lower Upper  
43 100  
58 46.0 35.0 52.4



#52  
Toluene  
Concen: 4.07 ug/l  
RT: 10.402 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 92 Resp: 34467  
Ion Ratio Lower Upper  
92 100  
91 181.4 136.2 204.2

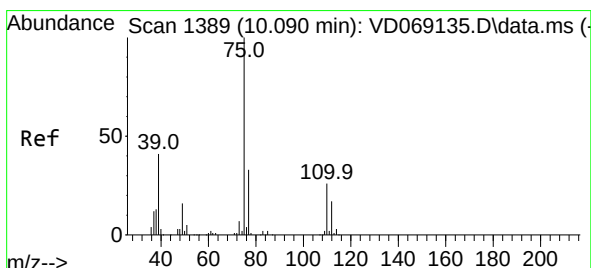
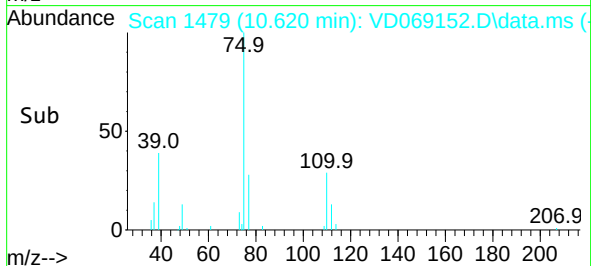
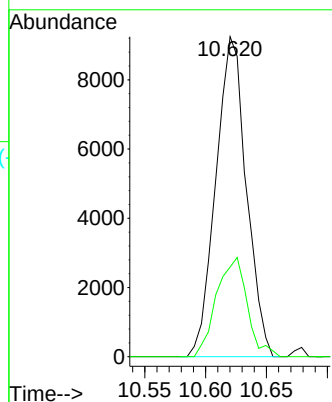
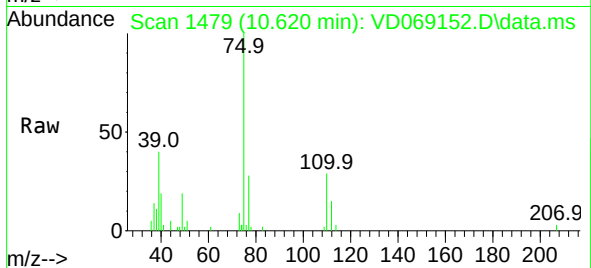




#53  
t-1,3-Dichloropropene  
Concen: 3.89 ug/l  
RT: 10.620 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

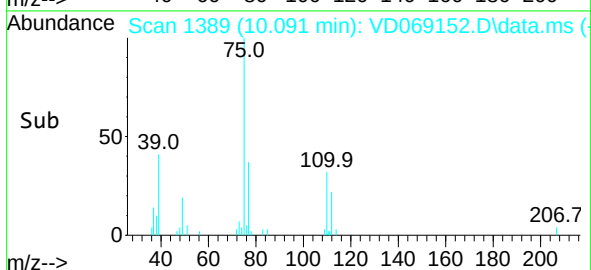
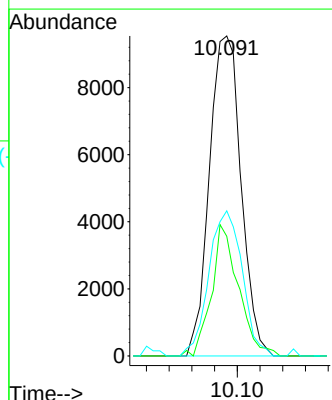
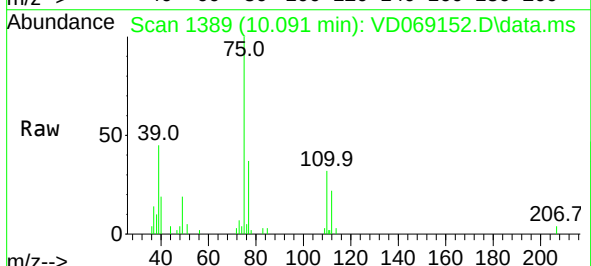
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

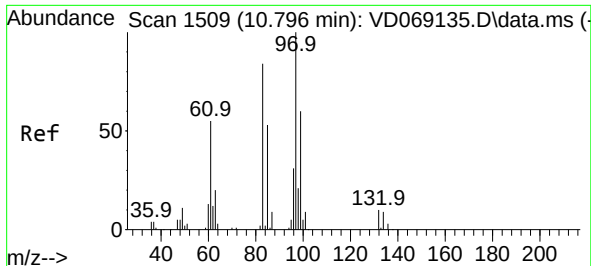
Tgt Ion: 75 Resp: 16111  
Ion Ratio Lower Upper  
75 100  
77 28.0 26.0 39.0



#54  
cis-1,3-Dichloropropene  
Concen: 3.73 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 75 Resp: 18486  
Ion Ratio Lower Upper  
75 100  
77 37.4 26.2 39.4  
39 45.3 32.9 49.3

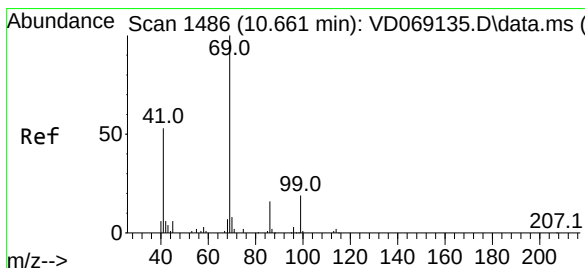
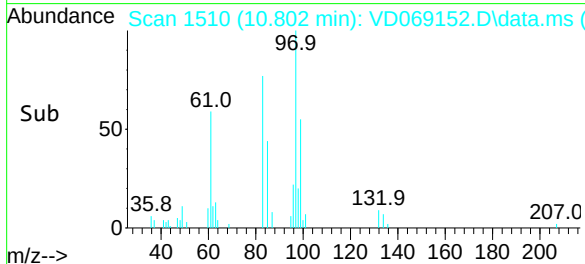
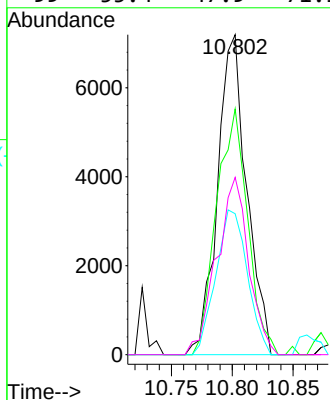
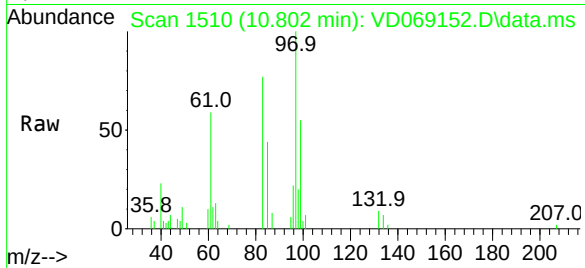




#55  
1,1,2-Trichloroethane  
Concen: 4.82 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

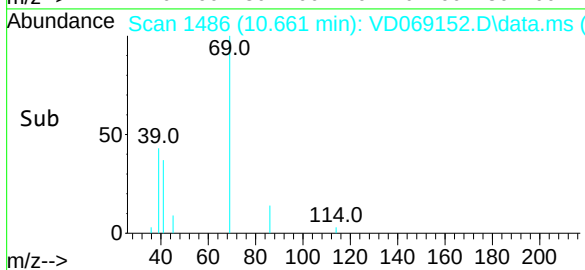
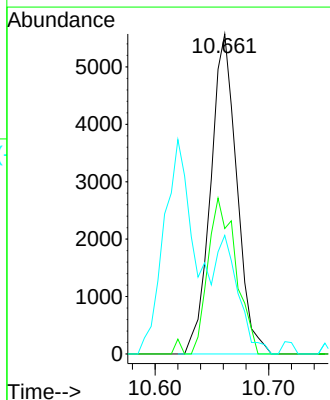
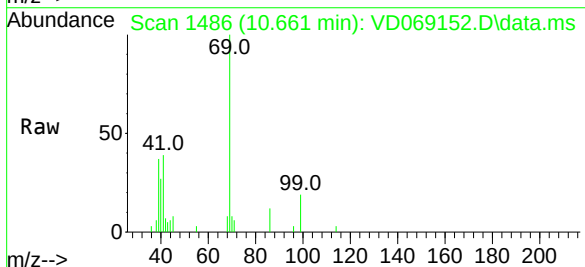
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 12042 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 76.8     | 66.9 100.3  |
| 85 44.1     | 42.2 63.4   |
| 99 55.4     | 47.9 71.9   |

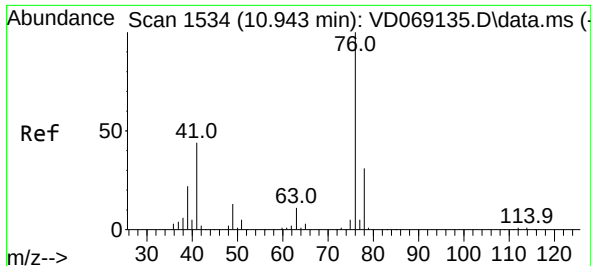


#56  
Ethyl methacrylate  
Concen: 3.58 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 8926  |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 52.1     | 42.2 63.2   |
| 39 30.9     | 26.3 39.5   |



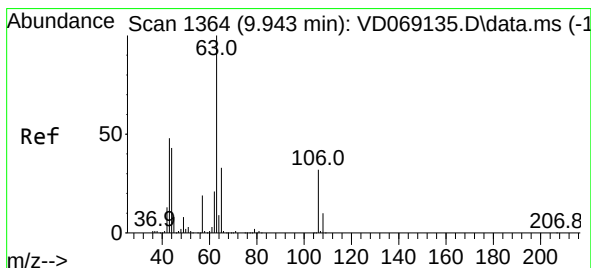
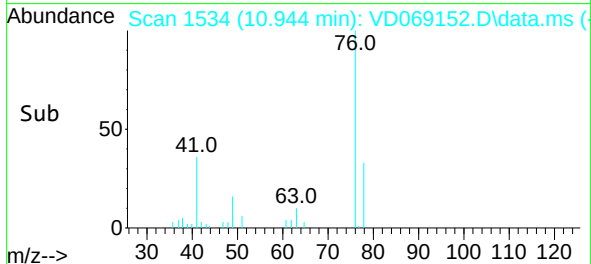
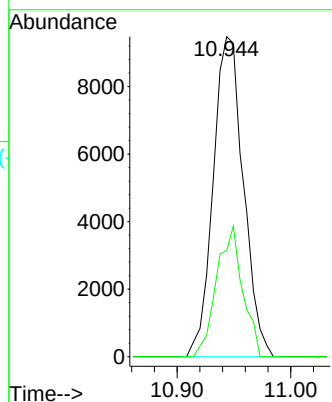
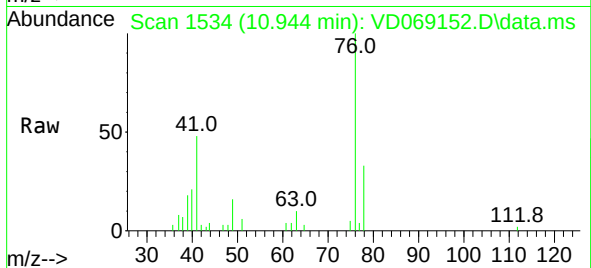




#57  
1,3-Dichloropropane  
Concen: 4.34 ug/l  
RT: 10.944 min Scan# 1534  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

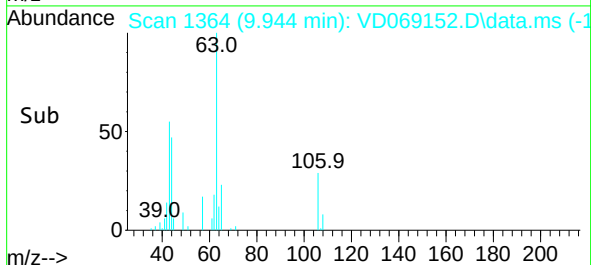
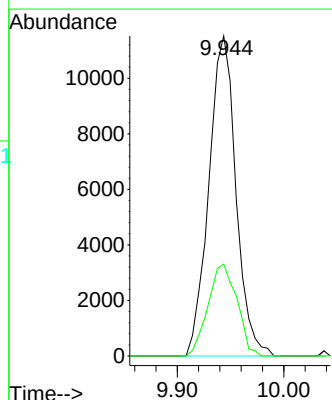
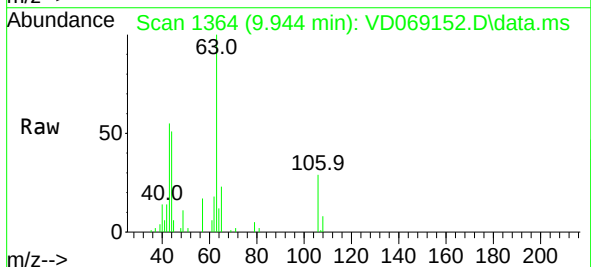
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

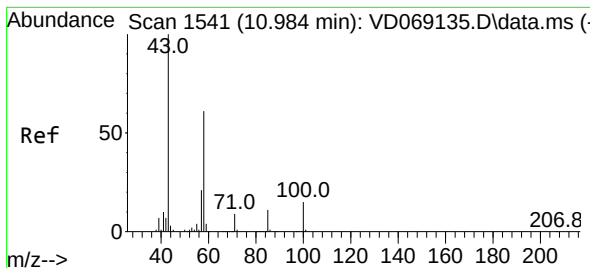
Tgt Ion: 76 Resp: 17500  
Ion Ratio Lower Upper  
76 100  
78 35.2 25.7 38.5



#58  
2-Chloroethyl Vinyl ether  
Concen: 16.45 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 63 Resp: 20343  
Ion Ratio Lower Upper  
63 100  
106 30.5 25.3 37.9

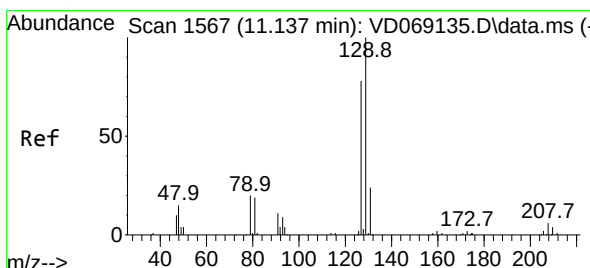
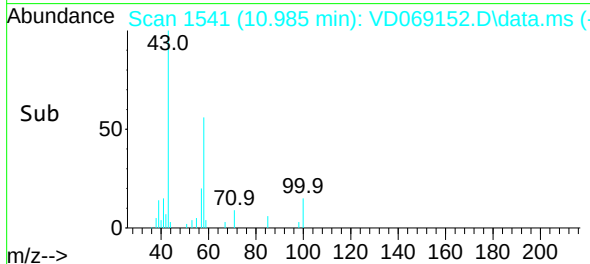
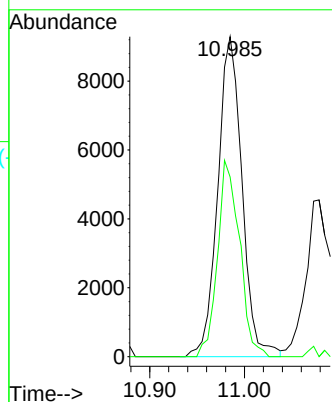
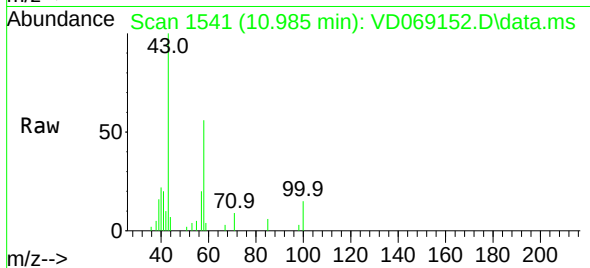




#59  
2-Hexanone  
Concen: 18.03 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

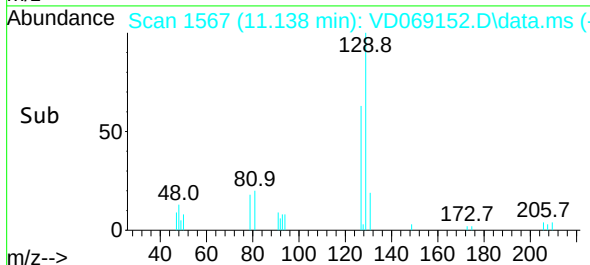
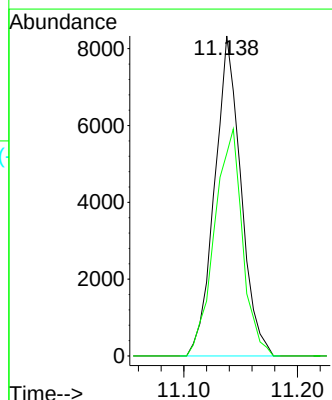
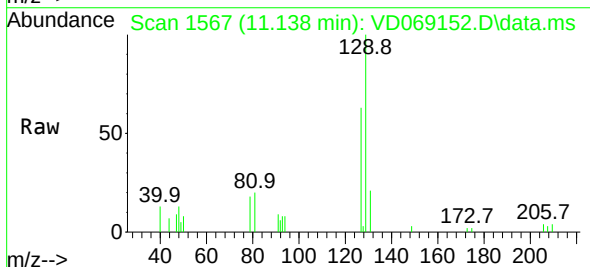
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

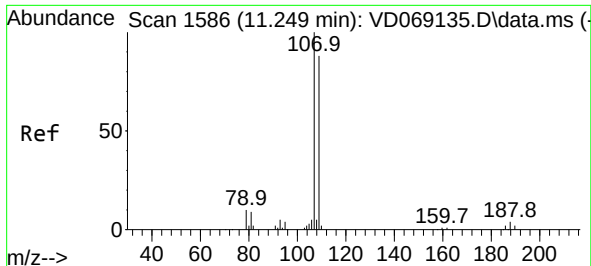
Tgt Ion: 43 Resp: 16561  
Ion Ratio Lower Upper  
43 100  
58 55.6 31.1 93.5



#60  
Dibromochloromethane  
Concen: 4.17 ug/l  
RT: 11.138 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 129 Resp: 13373  
Ion Ratio Lower Upper  
129 100  
127 75.6 38.5 115.5

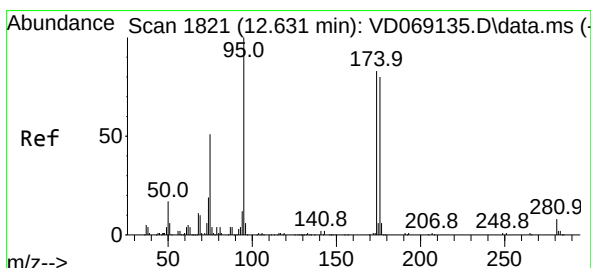
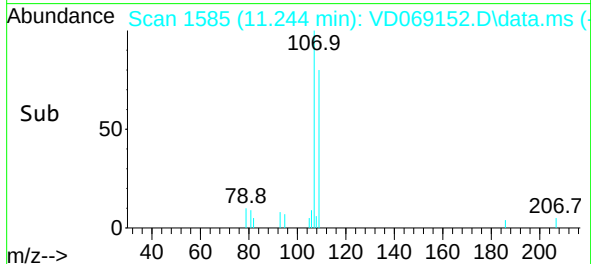
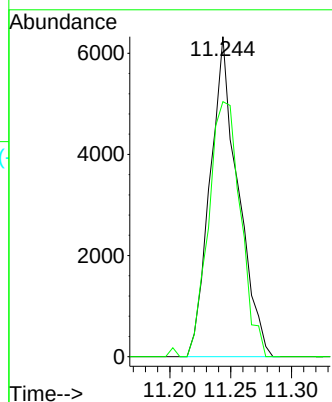
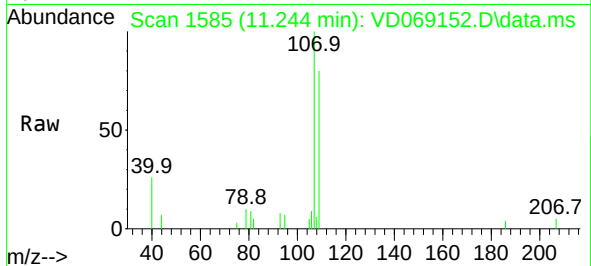




#61  
1,2-Dibromoethane  
Concen: 4.12 ug/l  
RT: 11.244 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

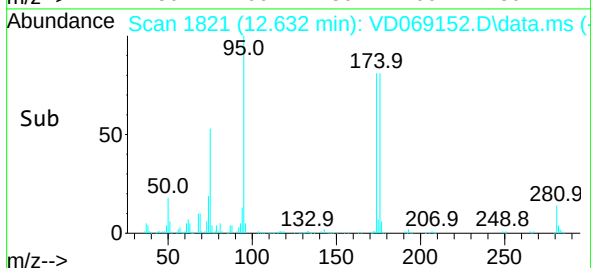
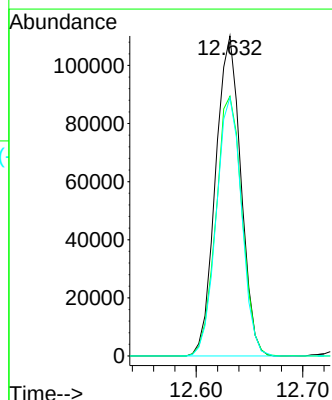
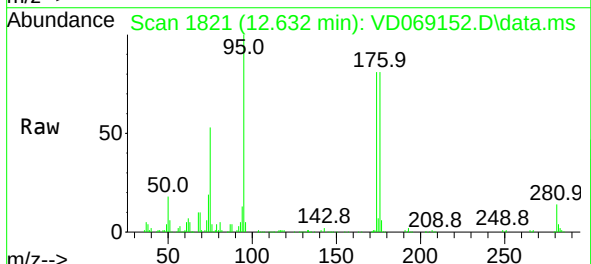
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

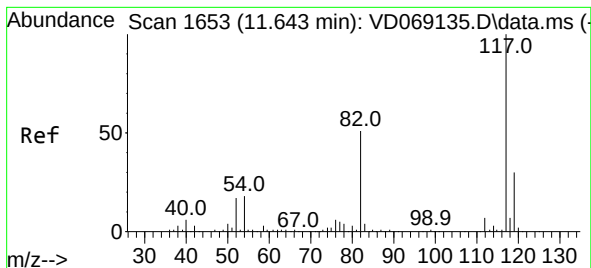
Tgt Ion:107 Resp: 10157  
Ion Ratio Lower Upper  
107 100  
109 91.2 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 50.05 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 95 Resp: 181578  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 171.8  
176 80.8 0.0 165.4

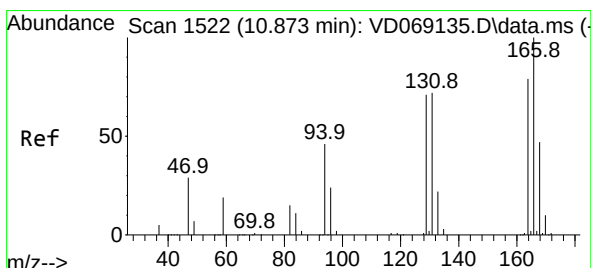
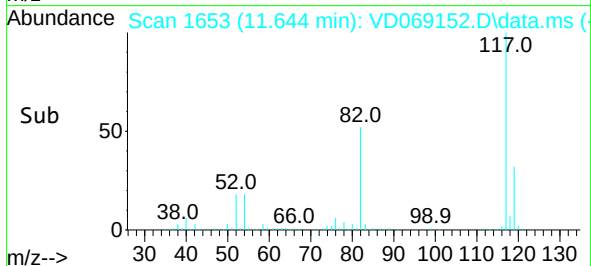
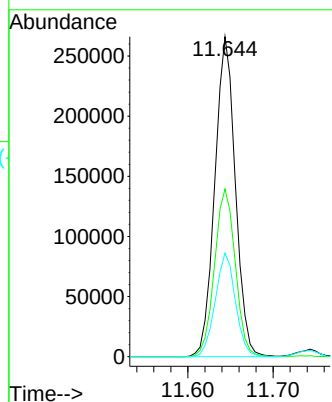
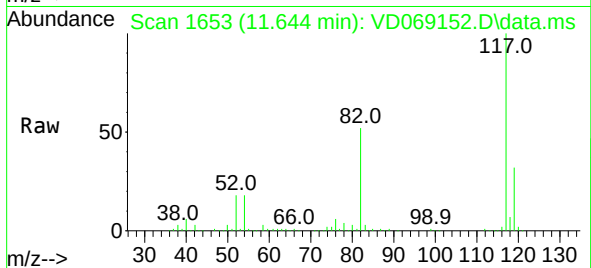




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

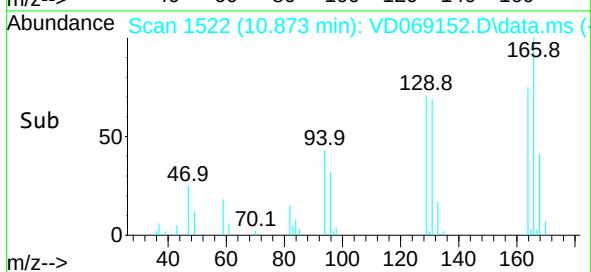
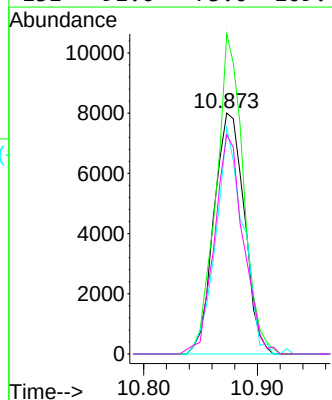
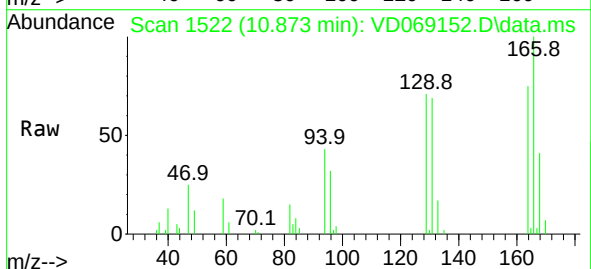
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

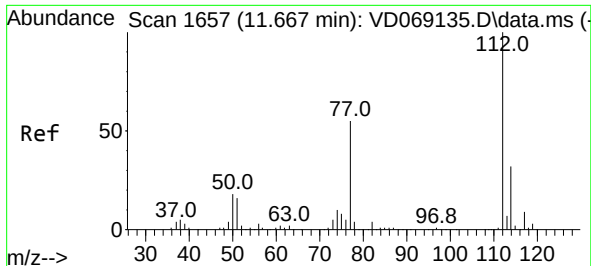
Tgt Ion:117 Resp: 446746  
Ion Ratio Lower Upper  
117 100  
82 52.4 40.5 60.7  
119 32.4 24.2 36.4



#64  
Tetrachloroethene  
Concen: 4.78 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

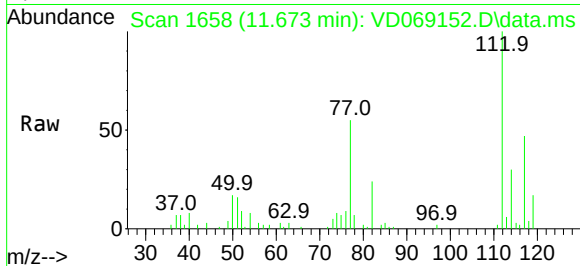
Tgt Ion:164 Resp: 14848  
Ion Ratio Lower Upper  
164 100  
166 132.8 101.7 152.5  
129 93.9 72.6 109.0  
131 91.0 73.0 109.4



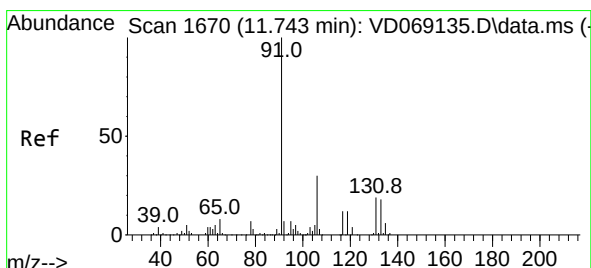
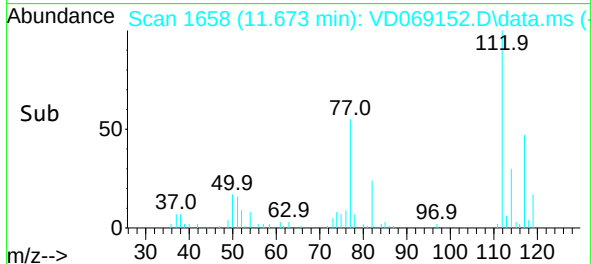
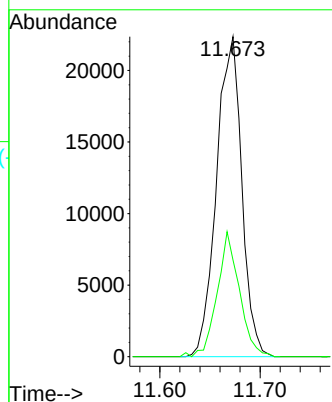


#65  
Chlorobenzene  
Concen: 4.22 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

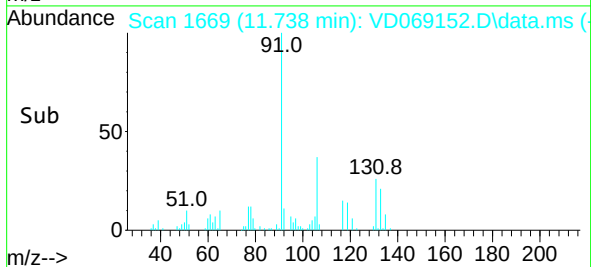
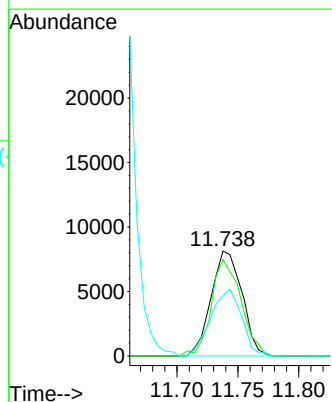
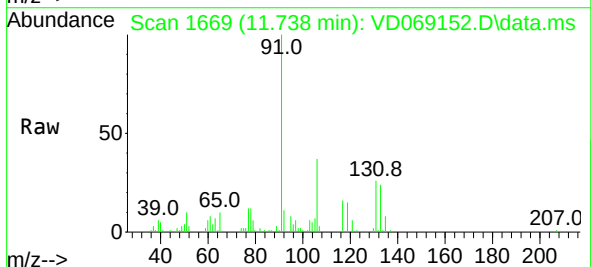


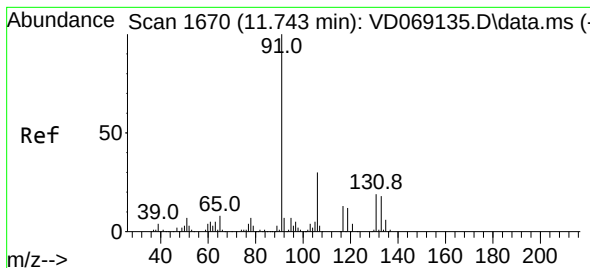
Tgt Ion:112 Resp: 39028  
Ion Ratio Lower Upper  
112 100  
114 30.2 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.10 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion:131 Resp: 14314  
Ion Ratio Lower Upper  
131 100  
133 88.9 47.5 142.5  
119 63.8 32.1 96.5

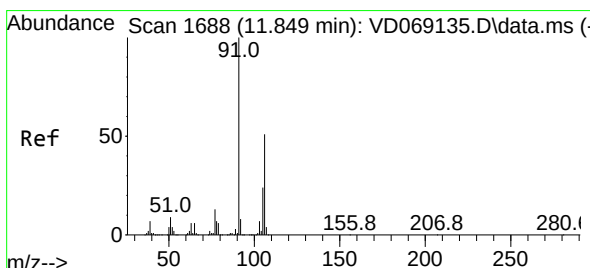
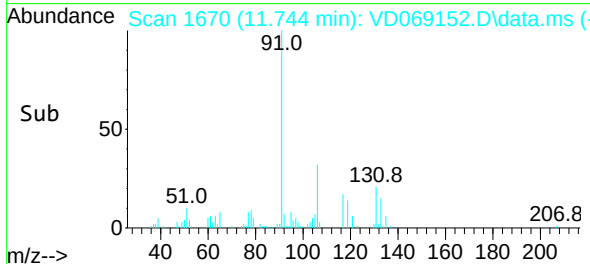
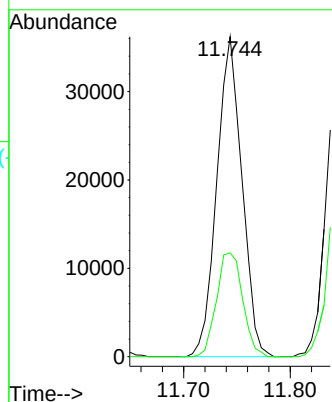
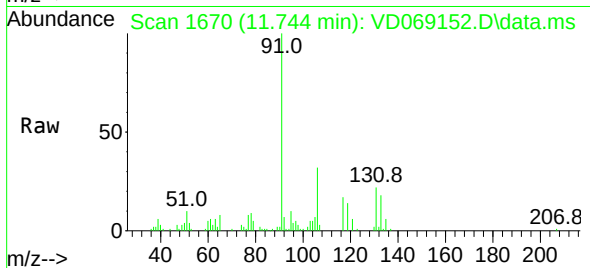




#67  
Ethyl Benzene  
Concen: 3.71 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

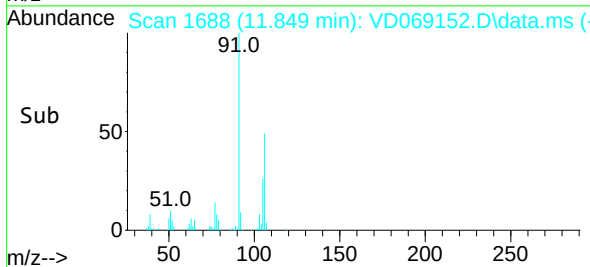
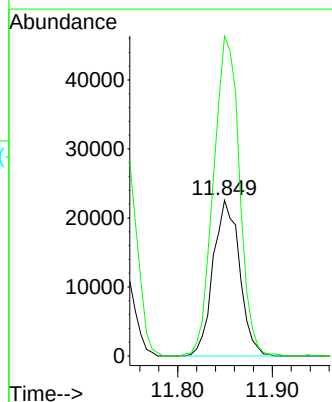
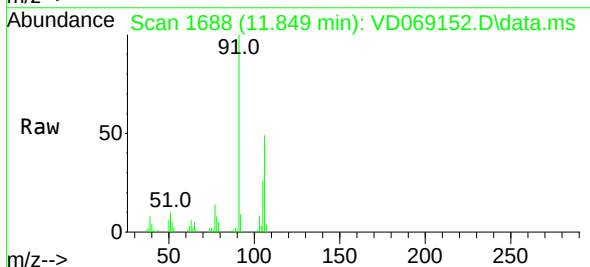
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

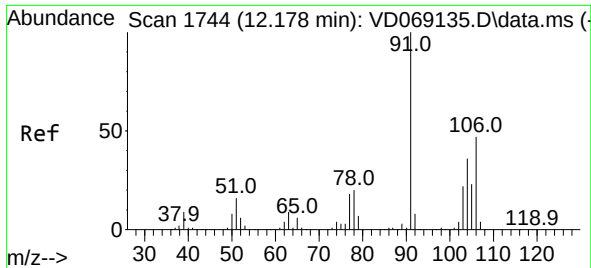
Tgt Ion: 91 Resp: 59188  
Ion Ratio Lower Upper  
91 100  
106 32.5 24.0 36.0



#68  
m/p-Xylenes  
Concen: 7.01 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 106 Resp: 43751  
Ion Ratio Lower Upper  
106 100  
91 202.1 157.3 235.9

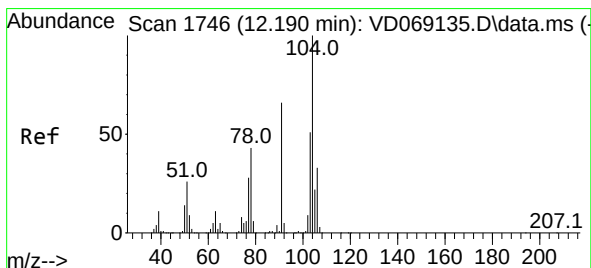
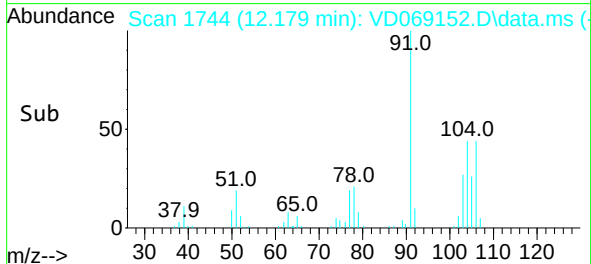
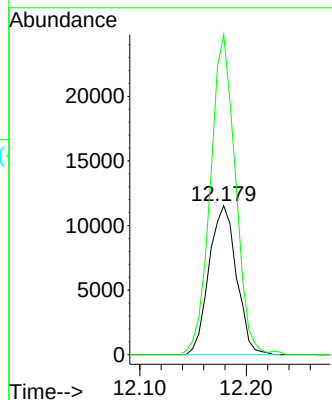
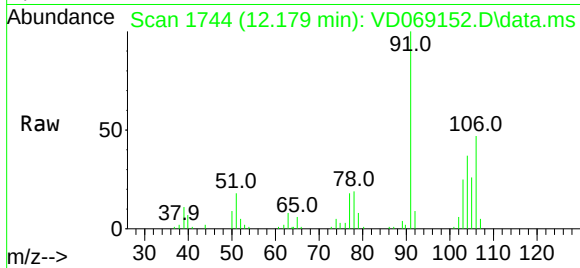




#69  
o-Xylene  
Concen: 3.71 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

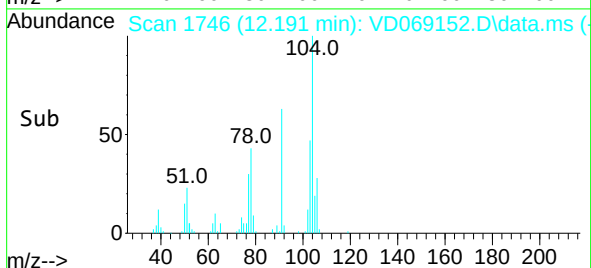
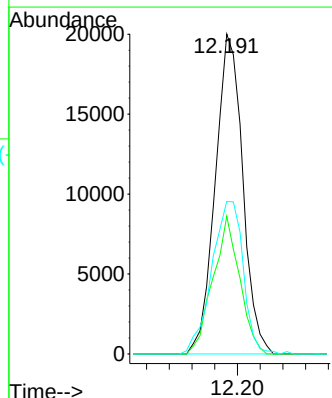
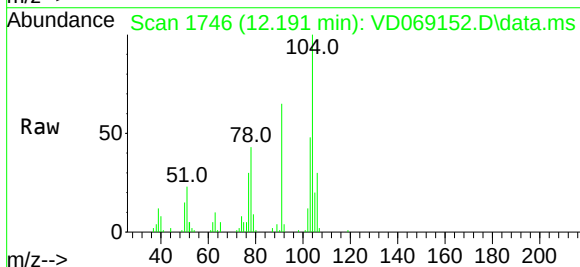
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

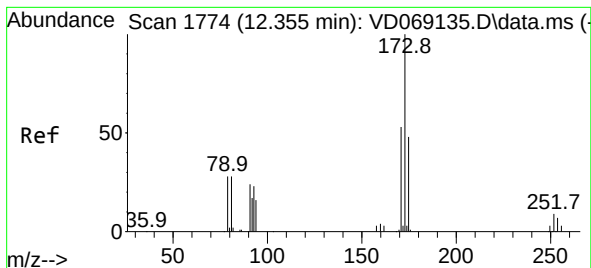
Tgt Ion:106 Resp: 20630  
Ion Ratio Lower Upper  
106 100  
91 196.7 104.8 314.6



#70  
Styrene  
Concen: 3.46 ug/l  
RT: 12.191 min Scan# 1746  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion:104 Resp: 33560  
Ion Ratio Lower Upper  
104 100  
78 41.9 37.8 56.6  
103 54.6 44.8 67.2





#71

Bromoform

Concen: 4.23 ug/l

RT: 12.361 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

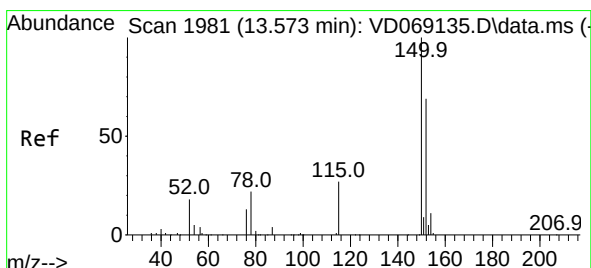
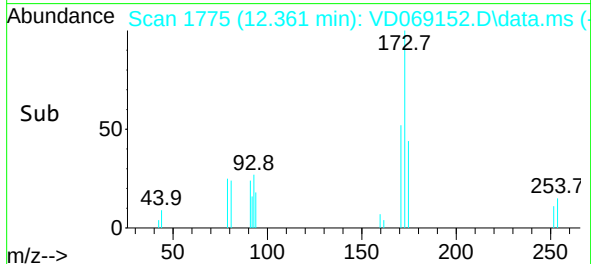
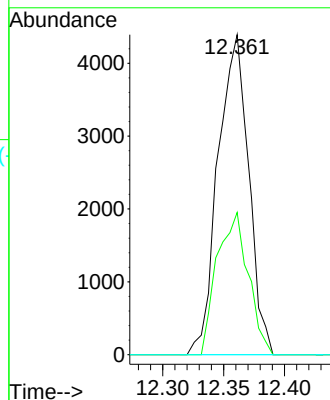
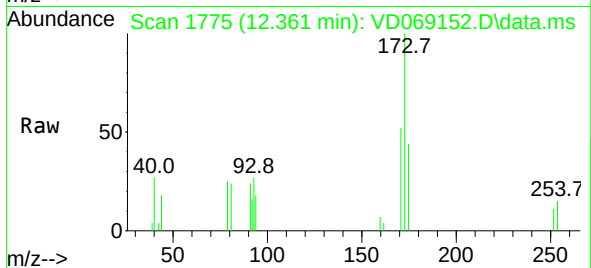
Tgt Ion:173 Resp: 7683

Ion Ratio Lower Upper

173 100

175 45.3 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

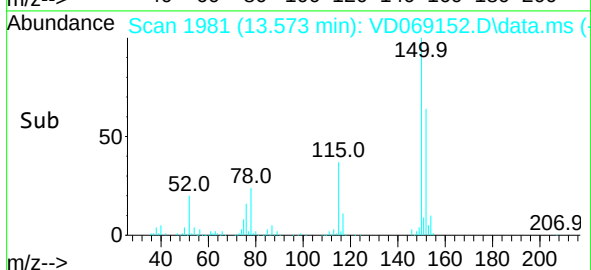
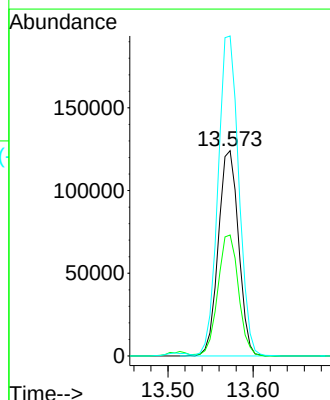
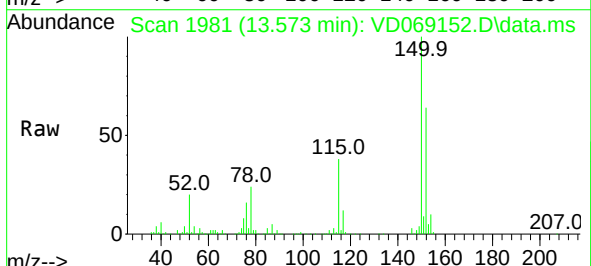
Tgt Ion:152 Resp: 204319

Ion Ratio Lower Upper

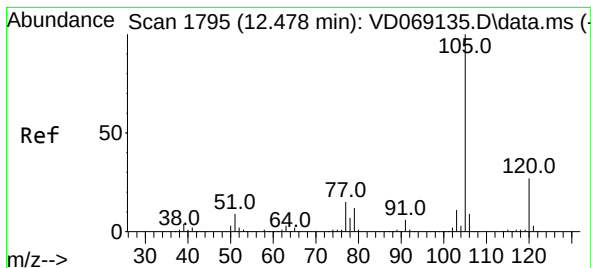
152 100

115 60.3 29.9 89.8

150 160.0 0.0 350.2



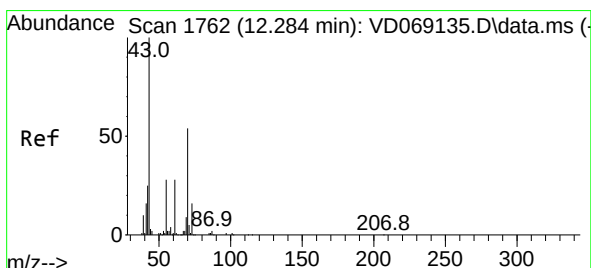
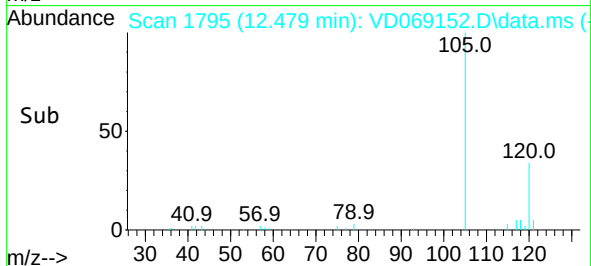
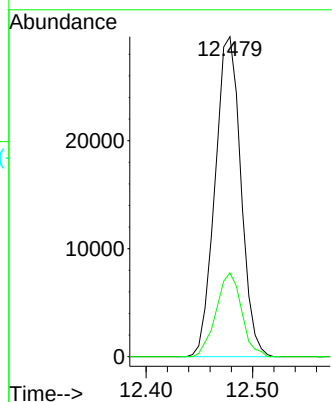
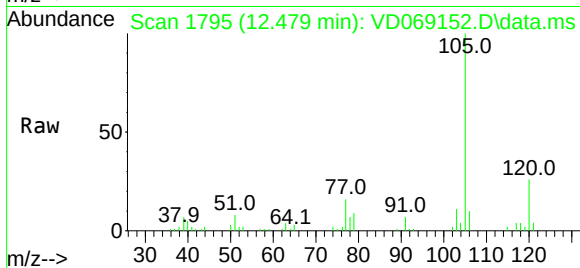




#73  
Isopropylbenzene  
Concen: 3.49 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

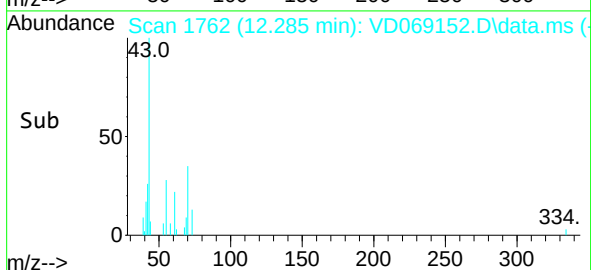
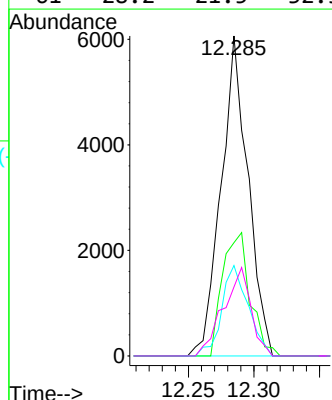
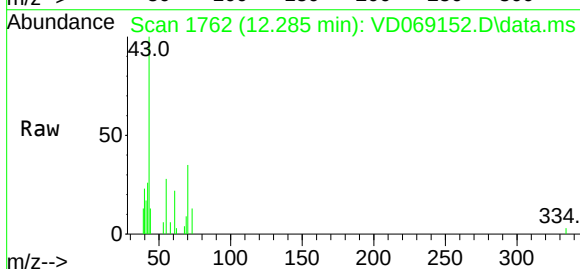
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

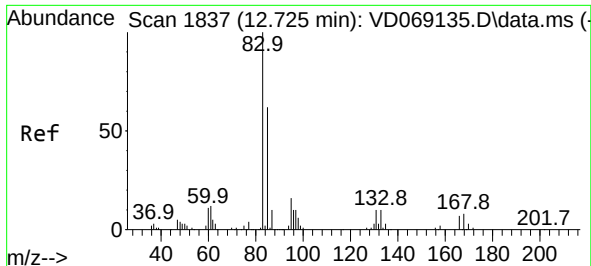
Tgt Ion:105 Resp: 49769  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.4 40.2



#74  
N-ethyl acetate  
Concen: 3.71 ug/l  
RT: 12.285 min Scan# 1762  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 43 Resp: 8663  
Ion Ratio Lower Upper  
43 100  
70 39.3 41.6 62.4#  
55 27.7 22.6 34.0  
61 28.2 21.5 32.3

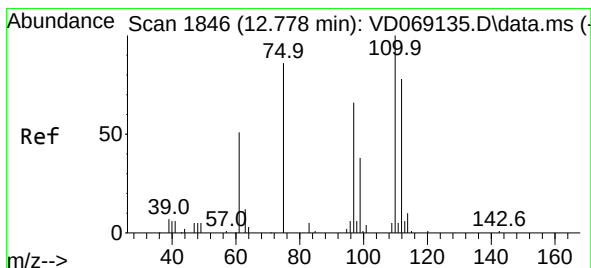
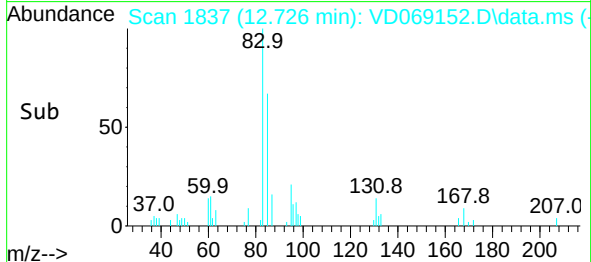
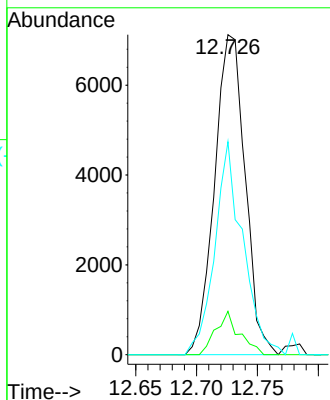
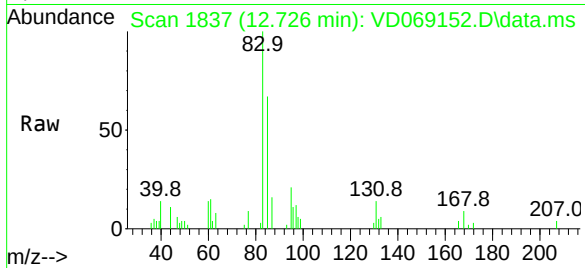




#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.81 ug/l  
RT: 12.726 min Scan# 1837  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

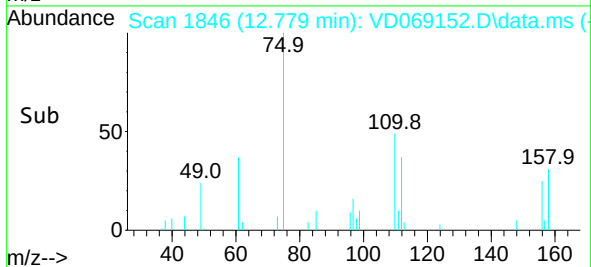
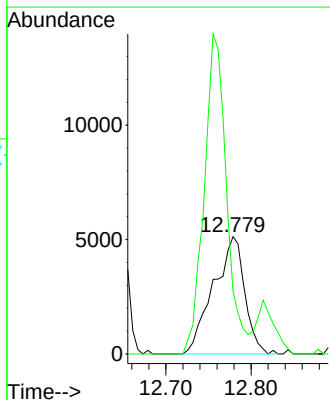
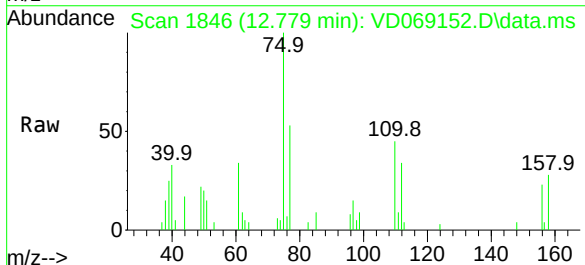
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

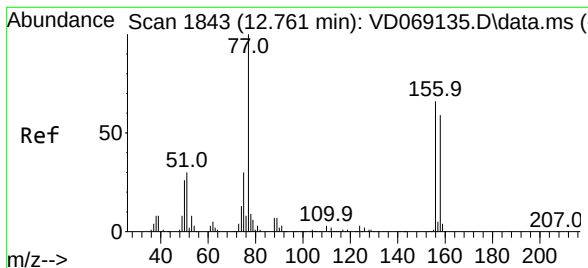
Tgt Ion: 83 Resp: 12447  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.4 16.2  
85 60.8 31.9 95.5



#76  
1,2,3-Trichloropropane  
Concen: 8.53 ug/l  
RT: 12.779 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 75 Resp: 13107  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.43 ug/l

RT: 12.755 min Scan# 1842

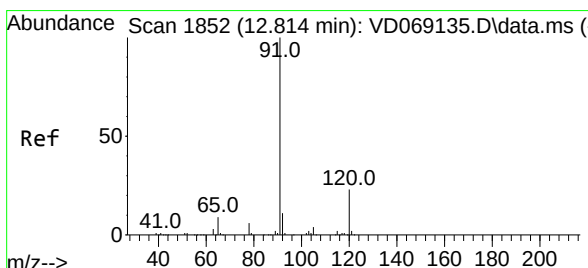
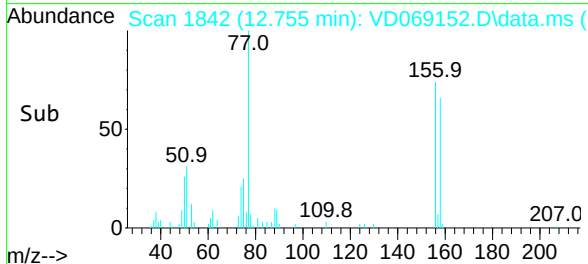
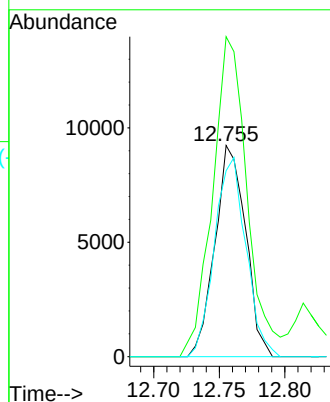
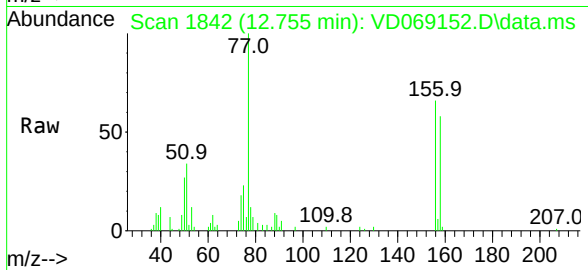
Delta R.T. -0.006 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 14995 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 169.7 | 85.8  | 257.3 |
| 158       | 96.9  | 47.8  | 143.4 |

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021



#78

n-propylbenzene

Concen: 4.02 ug/l

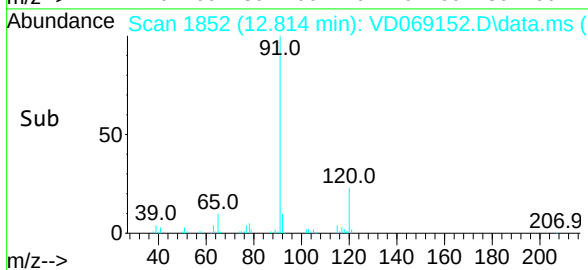
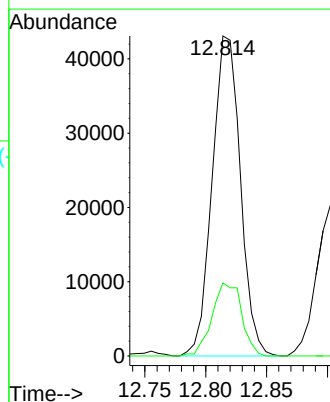
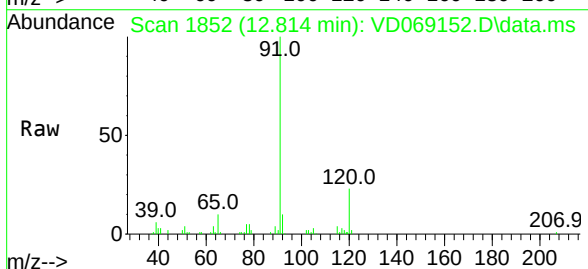
RT: 12.814 min Scan# 1852

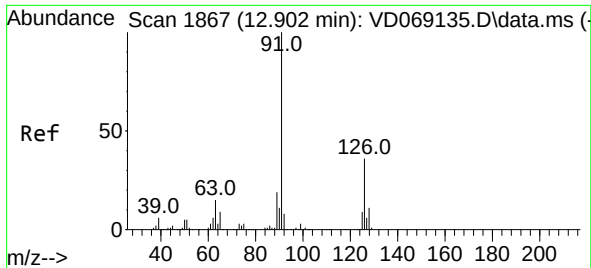
Delta R.T. 0.000 min

Lab File: VD069152.D

Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 69326 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 23.9  | 11.6  | 34.7  |

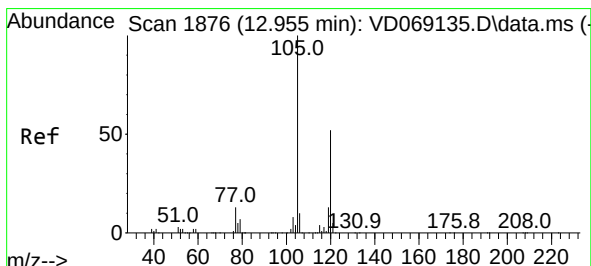
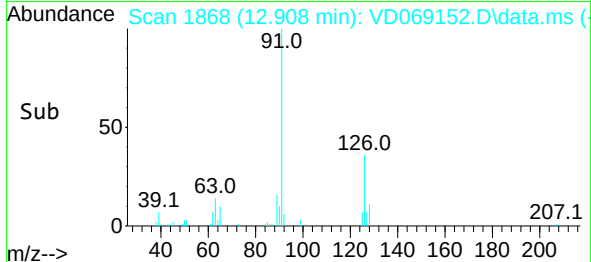
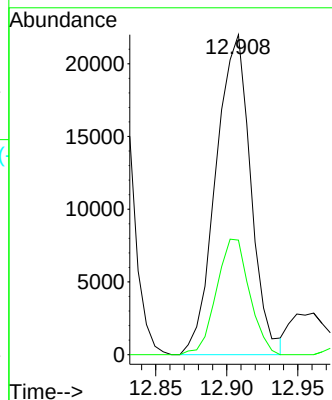
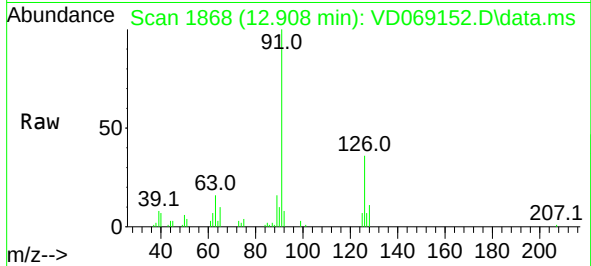




#79  
2-Chlorotoluene  
Concen: 3.92 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

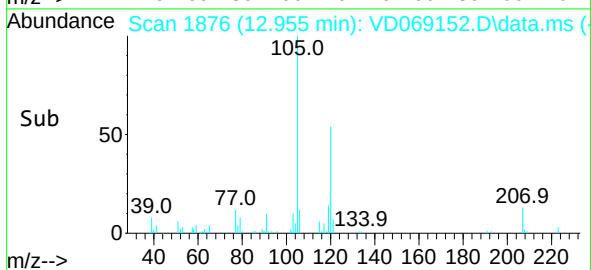
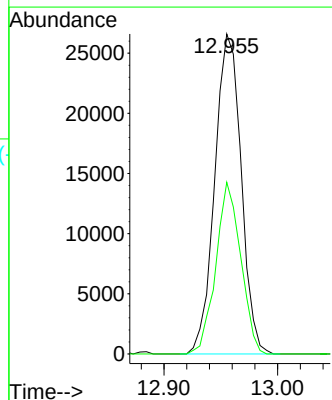
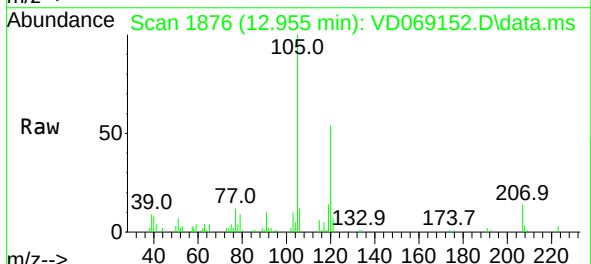
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

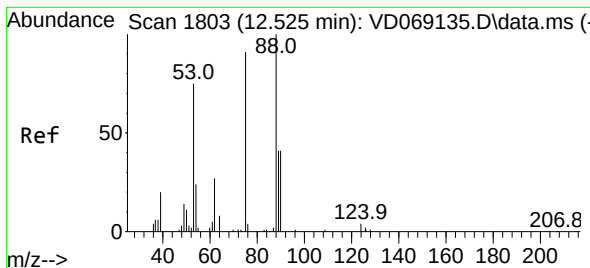
Tgt Ion: 91 Resp: 37562  
Ion Ratio Lower Upper  
91 100  
126 34.3 18.1 54.1



#80  
1,3,5-Trimethylbenzene  
Concen: 3.65 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 105 Resp: 42970  
Ion Ratio Lower Upper  
105 100  
120 50.5 25.3 75.8

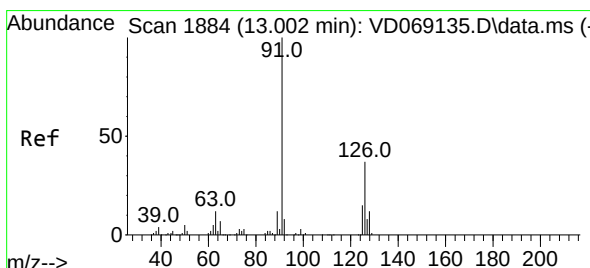
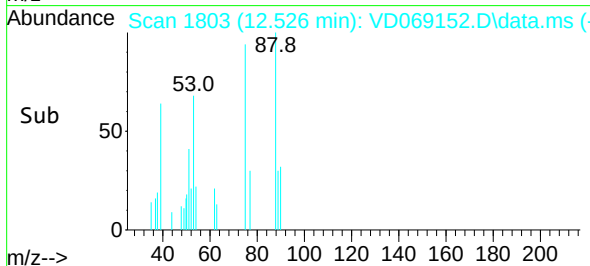
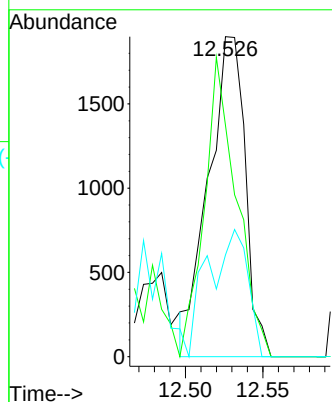
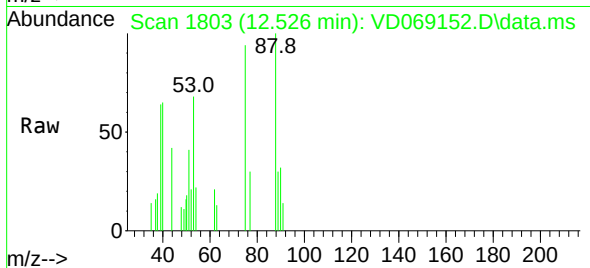




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.11 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

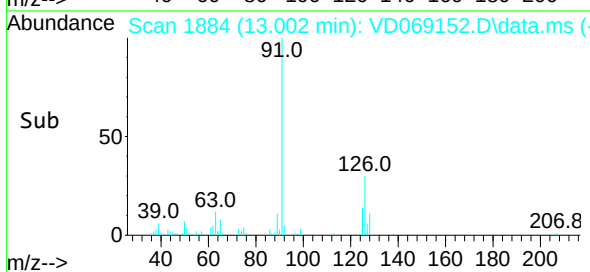
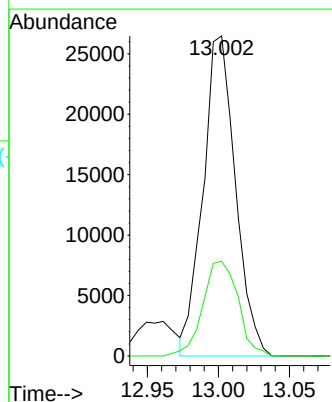
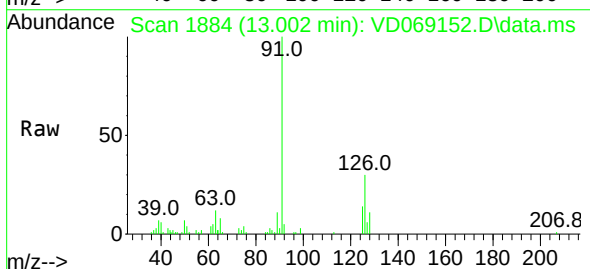
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

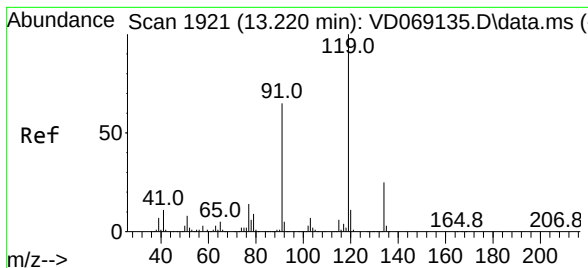
Tgt Ion: 75 Resp: 3127  
Ion Ratio Lower Upper  
75 100  
53 81.9 70.0 105.0  
89 43.0 40.2 60.2



#82  
4-Chlorotoluene  
Concen: 4.11 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 91 Resp: 42022  
Ion Ratio Lower Upper  
91 100  
126 32.2 17.7 53.1

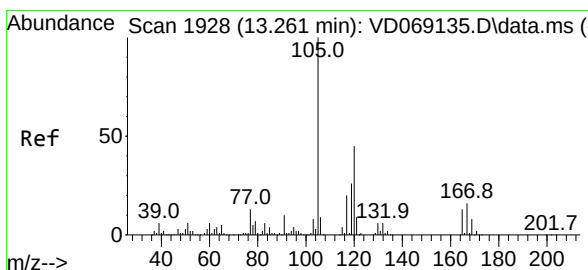
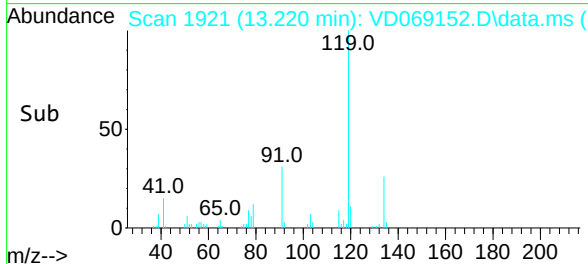
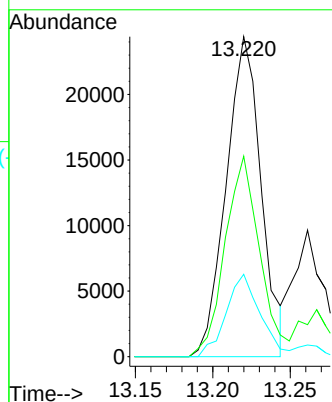
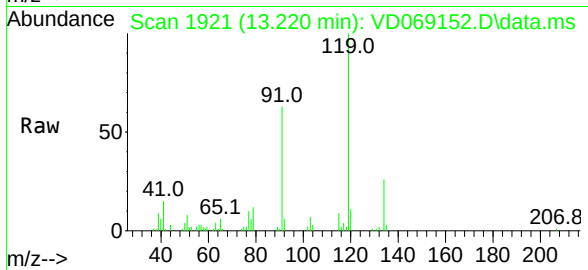




#83  
tert-Butylbenzene  
Concen: 3.90 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

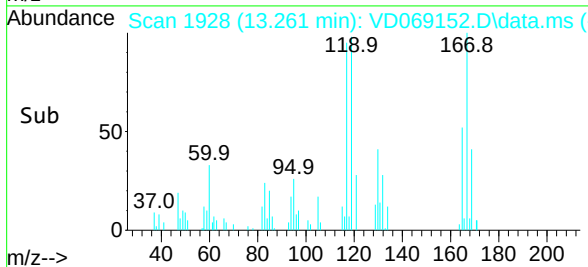
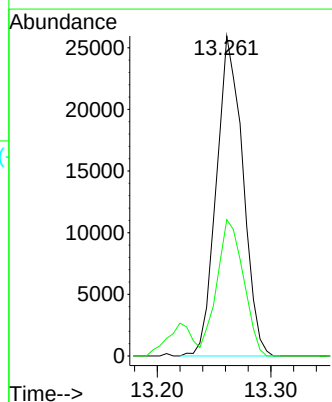
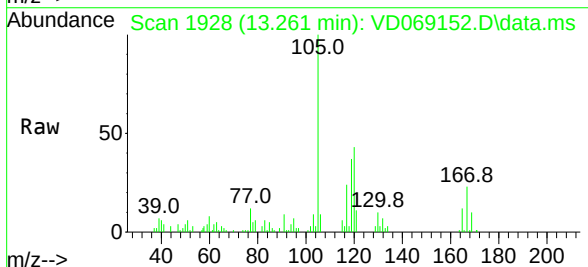
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

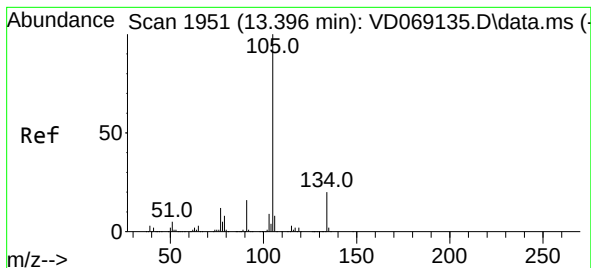
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 38264 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 62.3  | 32.5  | 97.4  |
| 134       | 25.1  | 13.8  | 41.3  |



#84  
1,2,4-Trimethylbenzene  
Concen: 3.54 ug/l  
RT: 13.261 min Scan# 1928  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 41907 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 42.8  | 22.8  | 68.4  |

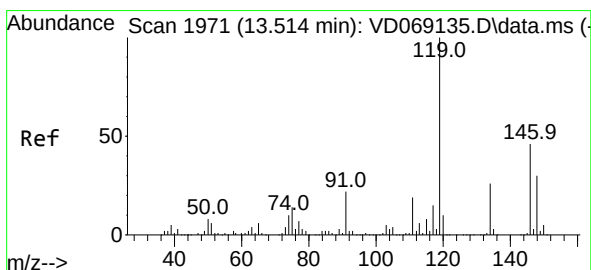
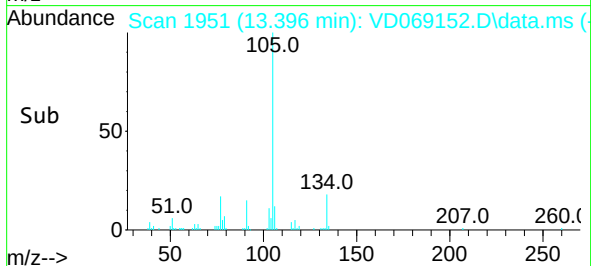
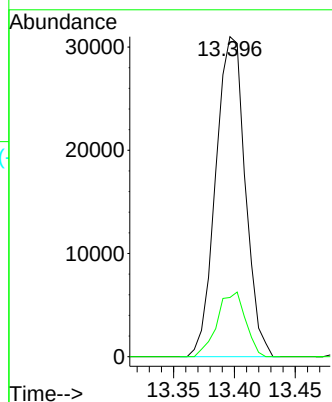
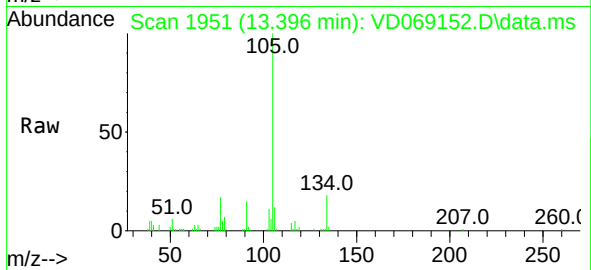




#85  
 sec-Butylbenzene  
 Concen: 3.54 ug/l  
 RT: 13.396 min Scan# 1951  
 Delta R.T. 0.000 min  
 Lab File: VD069152.D  
 Acq: 13 May 2021 12:51

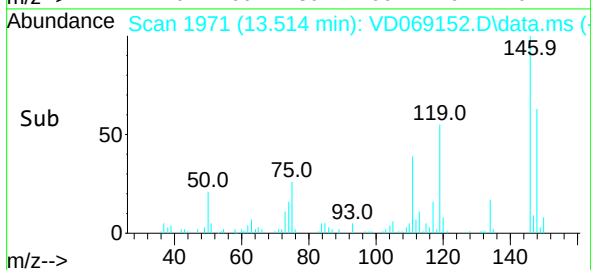
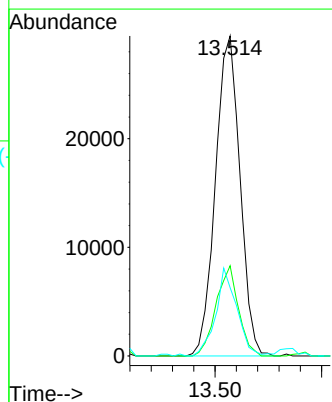
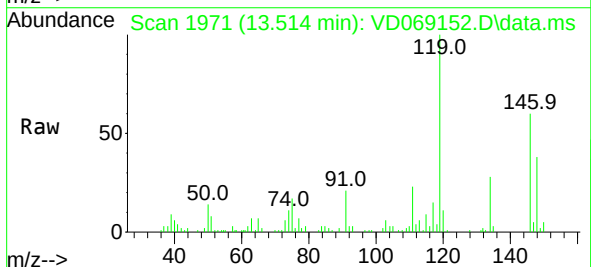
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2021

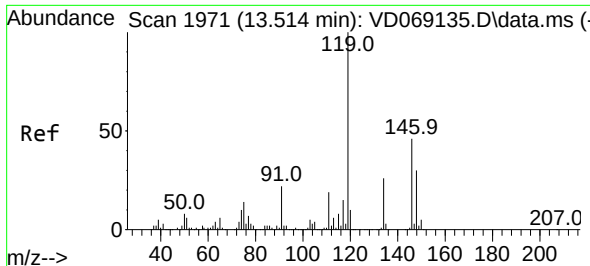
Tgt Ion:105 Resp: 52291  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 3.63 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD069152.D  
 Acq: 13 May 2021 12:51

Tgt Ion:119 Resp: 47093  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 13.2 39.5  
 91 23.5 11.3 33.9

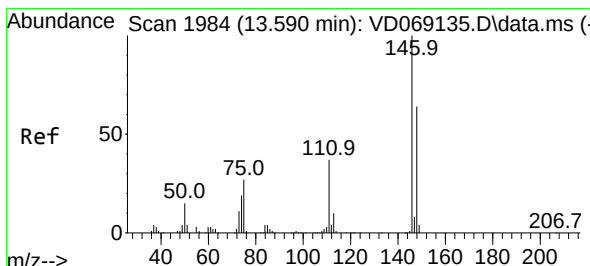
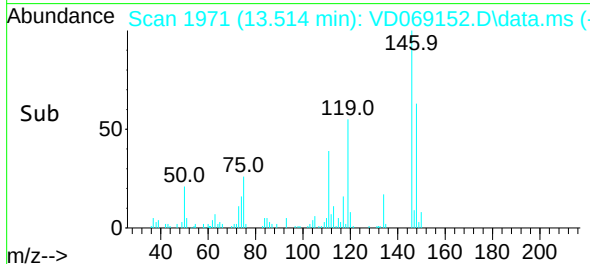
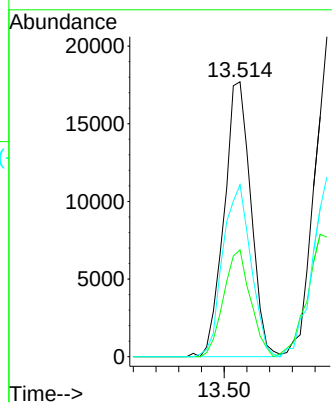
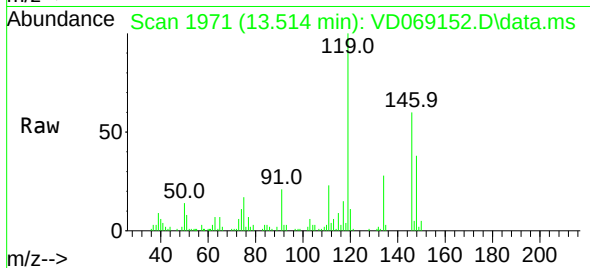




#87  
1,3-Dichlorobenzene  
Concen: 4.21 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

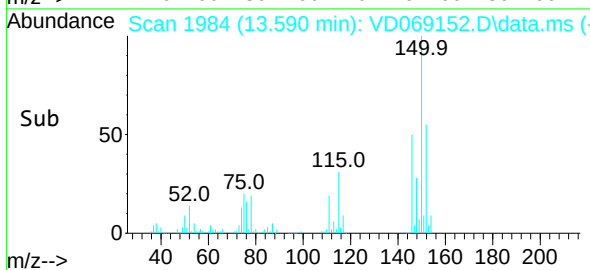
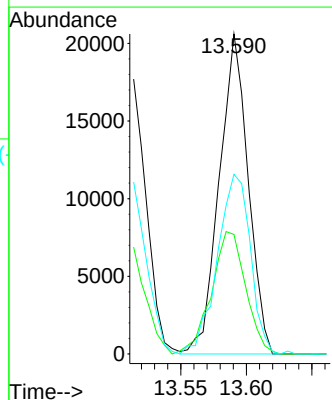
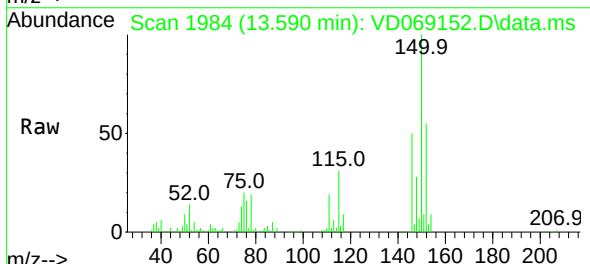
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:146 Resp: 28898  
Ion Ratio Lower Upper  
146 100  
111 38.9 19.9 59.6  
148 65.8 31.6 94.8

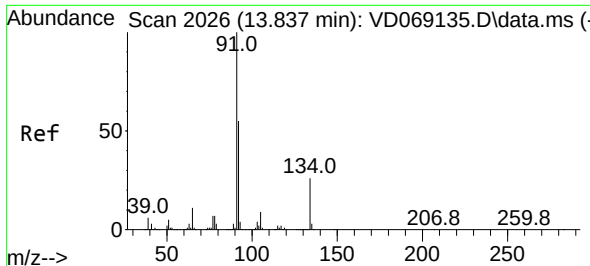


#88  
1,4-Dichlorobenzene  
Concen: 4.64 ug/l  
RT: 13.590 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion:146 Resp: 31508  
Ion Ratio Lower Upper  
146 100  
111 45.5 19.4 58.2  
148 64.1 32.4 97.0



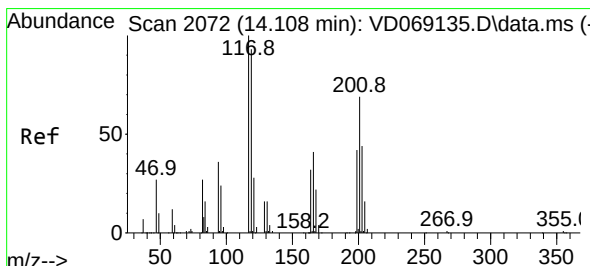
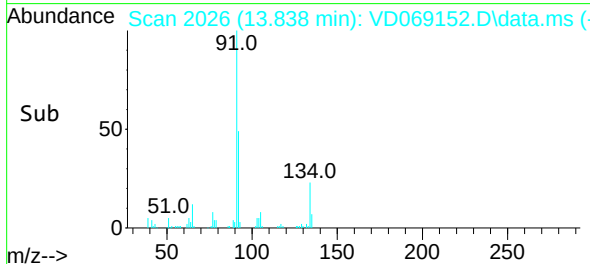
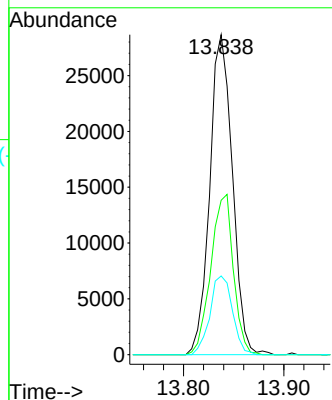
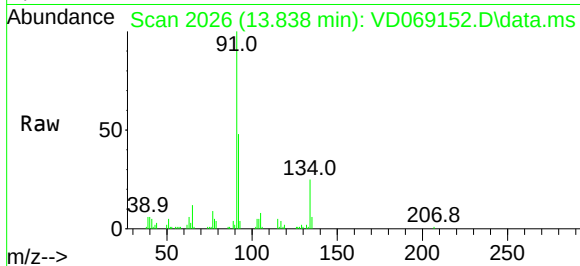




#89  
n-Butylbenzene  
Concen: 3.73 ug/l  
RT: 13.838 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

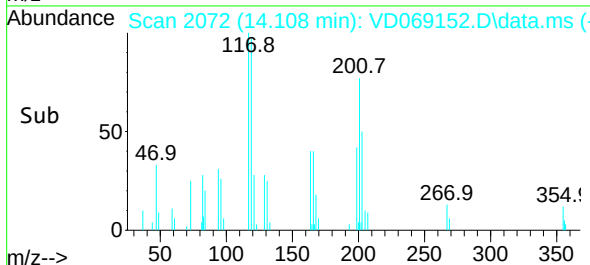
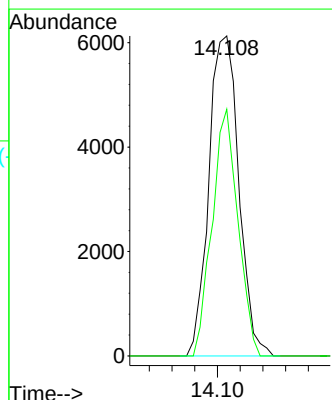
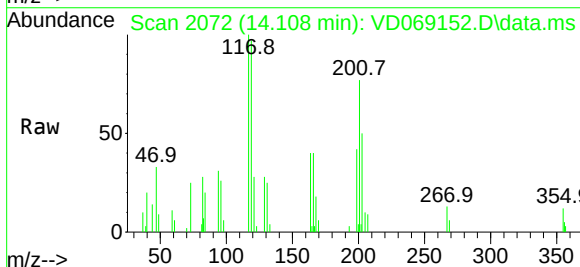
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

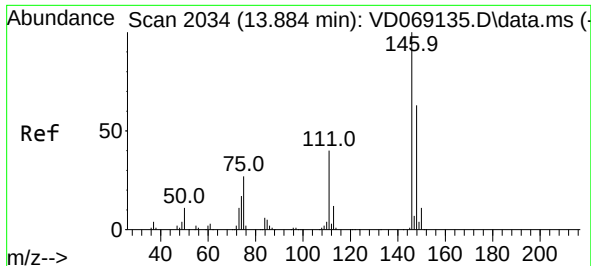
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 45054 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.9  | 26.5  | 79.5  |
| 134      | 24.5  | 13.0  | 39.0  |



#90  
Hexachloroethane  
Concen: 4.62 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11223 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 66.5  | 35.4  | 106.1 |

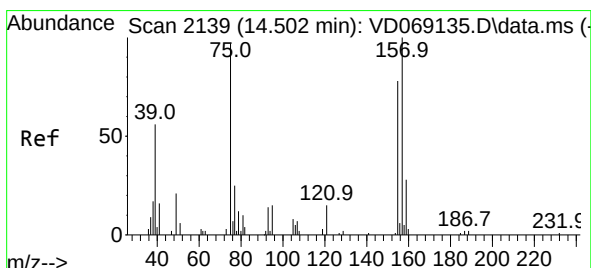
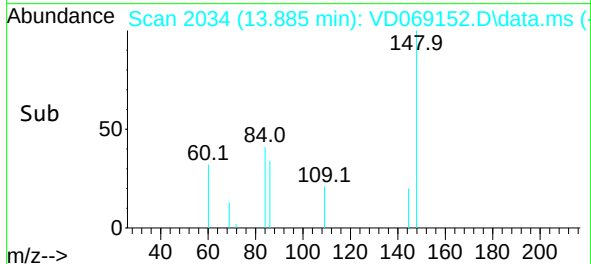
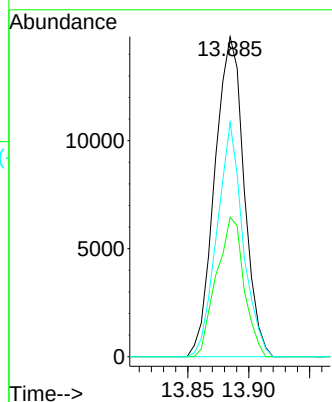
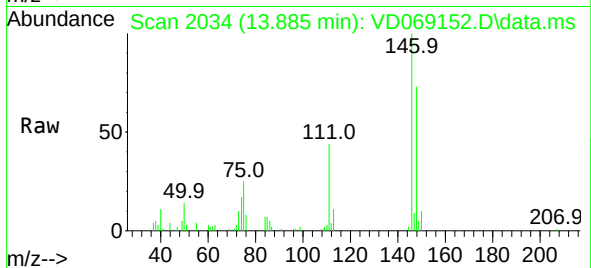




#91  
1,2-Dichlorobenzene  
Concen: 4.20 ug/l  
RT: 13.885 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

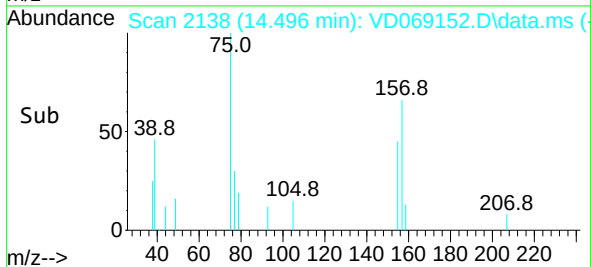
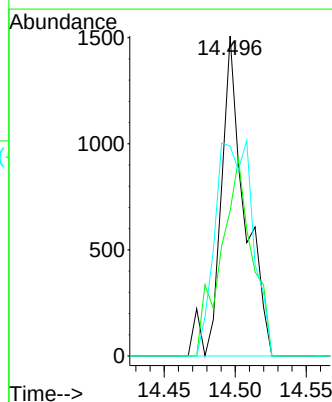
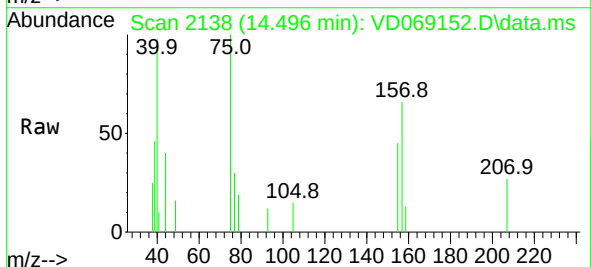
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

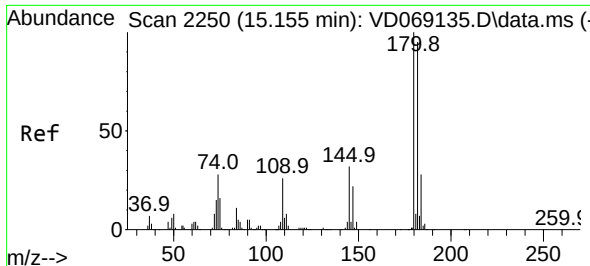
Tgt Ion:146 Resp: 24713  
Ion Ratio Lower Upper  
146 100  
111 41.0 20.3 61.0  
148 64.9 31.3 93.8



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.37 ug/l  
RT: 14.496 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Tgt Ion: 75 Resp: 1754  
Ion Ratio Lower Upper  
75 100  
155 80.8 43.9 131.7  
157 106.4 54.9 164.7

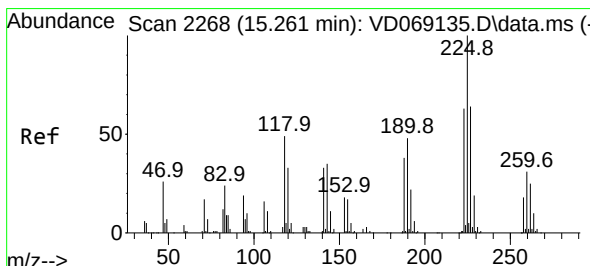
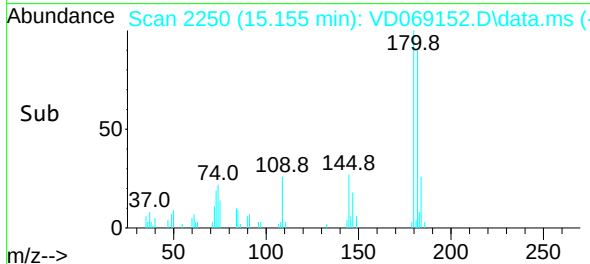
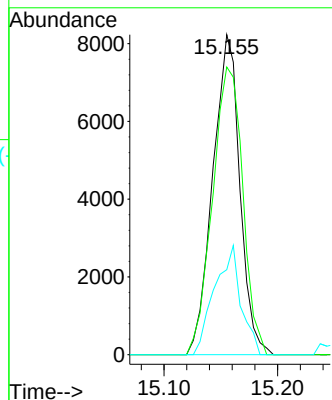
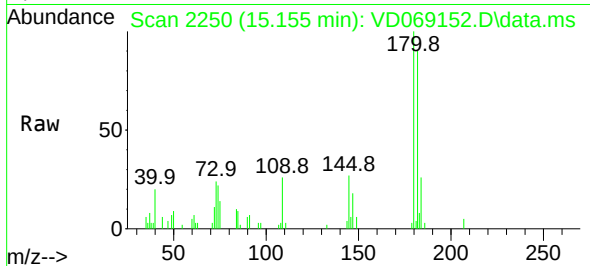




#93  
1,2,4-Trichlorobenzene  
Concen: 3.77 ug/l  
RT: 15.155 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

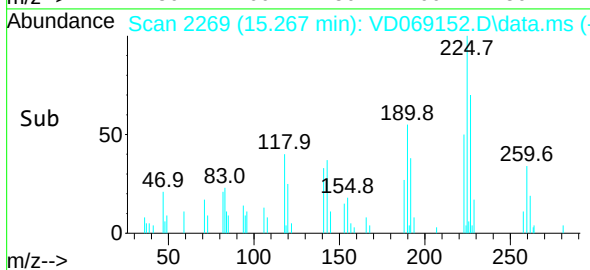
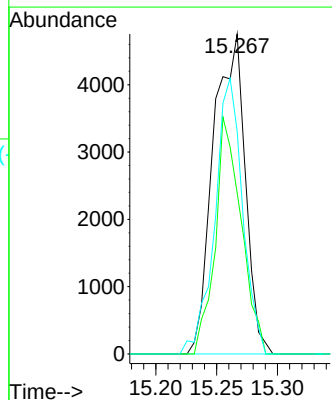
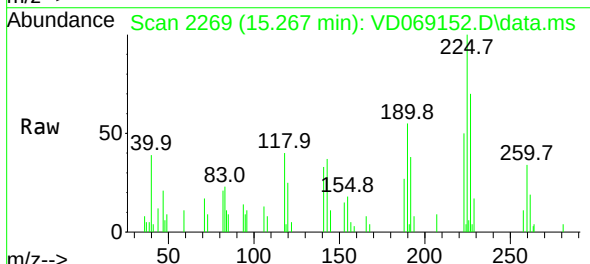
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

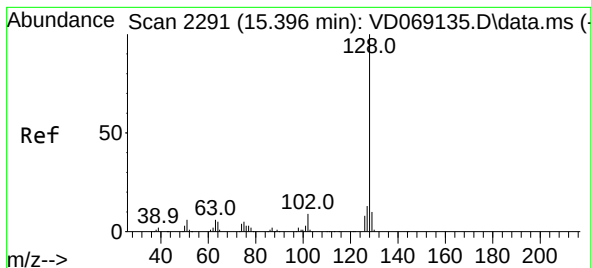
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 13624 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 100.3 | 47.8  | 143.3 |
| 145       | 33.2  | 15.6  | 46.8  |



#94  
Hexachlorobutadiene  
Concen: 3.98 ug/l  
RT: 15.267 min Scan# 2269  
Delta R.T. 0.006 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 8632 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 60.4  | 31.1  | 93.5 |
| 227       | 75.2  | 31.6  | 95.0 |

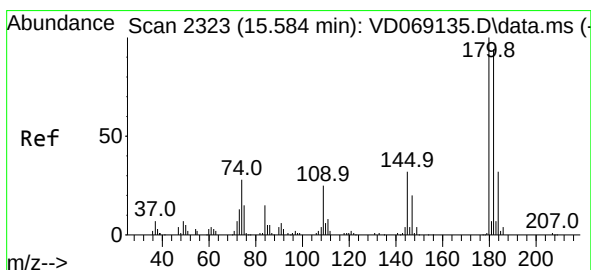
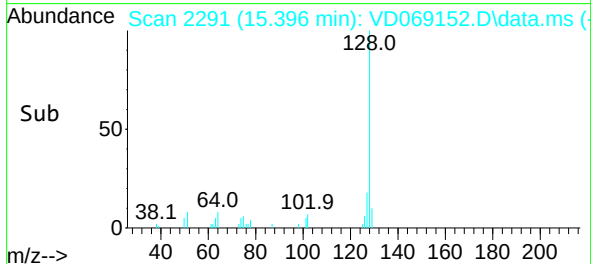
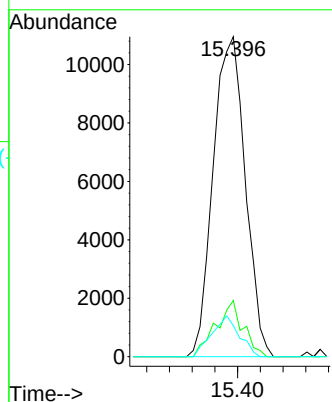
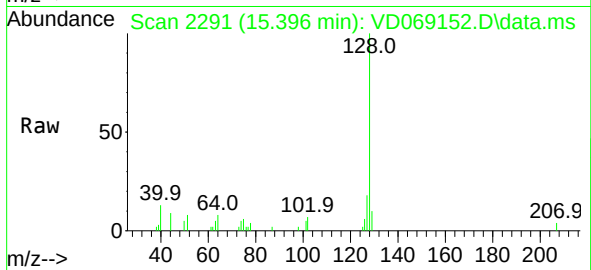




#95  
Naphthalene  
Concen: 3.55 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 21461 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.9  | 10.5  | 15.7  |
| 129       | 10.9  | 8.9   | 13.3  |



#96  
1,2,3-Trichlorobenzene  
Concen: 4.04 ug/l  
RT: 15.585 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VD069152.D  
Acq: 13 May 2021 12:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 12468 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.2  | 47.8  | 143.4 |
| 145       | 29.1  | 16.1  | 48.3  |

