

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052221\  
 Data File : VW019057.D  
 Acq On : 21 May 2021 18:31  
 Operator : SY/VA  
 Sample : M2262-01 4PPBLOD  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2021 3:48:21 PM

Quant Time: May 22 03:51:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W051921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 22 03:50:37 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Pentafluorobenzene        | 7.952  | 168  | 339904   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.842  | 114  | 583704   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 11.634 | 117  | 525547   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560 | 152  | 263394   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4    | 8.305  | 65   | 221040   | 63.75 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 127.50% |          |
| 35) Dibromofluoromethane     | 7.885  | 113  | 192183   | 59.13 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 118.26% |          |
| 50) Toluene-d8               | 10.323 | 98   | 759114   | 59.34 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 118.68% |          |
| 62) 4-Bromofluorobenzene     | 12.615 | 95   | 270185   | 58.59 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 117.18% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 2.014  | 85   | 7747     | 3.39  | ug/l    | 100      |
| 3) Chloromethane             | 2.215  | 50   | 11222    | 4.42  | ug/l    | 94       |
| 4) Vinyl Chloride            | 2.361  | 62   | 14766    | 3.96  | ug/l    | 95       |
| 5) Bromomethane              | 2.776  | 94   | 12733    | 4.07  | ug/l    | 94       |
| 6) Chloroethane              | 2.922  | 64   | 10071    | 3.93  | ug/l    | 92       |
| 7) Trichlorofluoromethane    | 3.257  | 101  | 6603     | 3.22  | ug/l    | 94       |
| 8) Diethyl Ether             | 3.684  | 74   | 7511     | 4.21  | ug/l    | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.074  | 101  | 13552    | 4.08  | ug/l    | 99       |
| 10) Methyl Iodide            | 4.282  | 142  | 19113    | 3.92  | ug/l    | 98       |
| 11) Tert butyl alcohol       | 5.190  | 59   | 6860     | 33.98 | ug/l #  | 92       |
| 12) 1,1-Dichloroethene       | 4.044  | 96   | 13675    | 4.04  | ug/l    | 98       |
| 13) Acrolein                 | 3.897  | 56   | 3358     | 14.67 | ug/l    | 92       |
| 14) Allyl chloride           | 4.672  | 41   | 16208    | 3.68  | ug/l    | 98       |
| 15) Acrylonitrile            | 5.373  | 53   | 13640    | 20.38 | ug/l    | 98       |
| 16) Acetone                  | 4.135  | 43   | 14285    | 26.21 | ug/l    | 93       |
| 17) Carbon Disulfide         | 4.397  | 76   | 33342    | 3.60  | ug/l    | 99       |
| 18) Methyl Acetate           | 4.684  | 43   | 8391     | 5.23  | ug/l #  | 85       |
| 19) Methyl tert-butyl Ether  | 5.428  | 73   | 16991    | 4.00  | ug/l    | 98       |
| 20) Methylene Chloride       | 4.922  | 84   | 58437    | 11.95 | ug/l    | 98       |
| 21) trans-1,2-Dichloroethene | 5.428  | 96   | 15574    | 4.03  | ug/l    | 97       |
| 22) Diisopropyl ether        | 6.318  | 45   | 34647    | 3.87  | ug/l #  | 97       |
| 23) Vinyl Acetate            | 6.257  | 43   | 105194   | 17.45 | ug/l    | 99       |
| 24) 1,1-Dichloroethane       | 6.220  | 63   | 27296    | 3.93  | ug/l    | 98       |
| 25) 2-Butanone               | 7.177  | 43   | 20232    | 22.60 | ug/l    | 90       |
| 26) 2,2-Dichloropropane      | 7.165  | 77   | 16308    | 4.36  | ug/l    | 95       |
| 27) cis-1,2-Dichloroethene   | 7.171  | 96   | 16422    | 3.83  | ug/l    | 90       |
| 28) Bromochloromethane       | 7.513  | 49   | 12016    | 4.26  | ug/l    | 97       |
| 29) Tetrahydrofuran          | 7.537  | 42   | 10163    | 19.41 | ug/l    | 97       |
| 30) Chloroform               | 7.677  | 83   | 28818    | 4.09  | ug/l    | 100      |
| 31) Cyclohexane              | 7.952  | 56   | 28853    | 4.97  | ug/l #  | 70       |
| 32) 1,1,1-Trichloroethane    | 7.872  | 97   | 21068    | 4.02  | ug/l    | 95       |
| 36) 1,1-Dichloropropene      | 8.080  | 75   | 23447    | 4.03  | ug/l    | 99       |
| 37) Ethyl Acetate            | 7.257  | 43   | 10174    | 4.52  | ug/l    | 97       |
| 38) Carbon Tetrachloride     | 8.067  | 117  | 18875    | 3.68  | ug/l    | 94       |
| 39) Methylcyclohexane        | 9.336  | 83   | 23958    | 3.73  | ug/l    | 93       |
| 40) Benzene                  | 8.324  | 78   | 64268    | 3.96  | ug/l    | 100      |

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 Sample : M2262-01 4PPBLOD  
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 ALS Vial : 11 Sample Multiplier: 1

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 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
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 5/24/2021 3:48:21 PM

Quant Time: May 22 03:51:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W051921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 22 03:50:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 41) Methacrylonitrile         | 7.482  | 41   | 4036     | 3.29  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.403  | 62   | 19045    | 3.95  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.427  | 43   | 17411    | 4.15  | ug/l   | 99       |
| 44) Trichloroethene           | 9.092  | 130  | 16595    | 3.96  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.372  | 63   | 15766    | 4.01  | ug/l   | 98       |
| 46) Dibromomethane            | 9.457  | 93   | 8129     | 3.81  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.646  | 83   | 19528    | 3.68  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.439  | 41   | 6728     | 3.49  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.457  | 88   | 1967     | 80.86 | ug/l # | 63       |
| 51) 4-Methyl-2-Pentanone      | 10.213 | 43   | 43927    | 20.22 | ug/l   | 99       |
| 52) Toluene                   | 10.384 | 92   | 40354    | 3.92  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.610 | 75   | 17600    | 3.37  | ug/l # | 88       |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 22087    | 3.55  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.786 | 97   | 11862    | 4.02  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.646 | 69   | 13346    | 3.60  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.933 | 76   | 20336    | 3.85  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.927  | 63   | 29195    | 15.24 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.969 | 43   | 26955    | 18.66 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.128 | 129  | 11570    | 3.51  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 10825    | 3.82  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.860 | 164  | 13972    | 4.09  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.658 | 112  | 41639    | 3.89  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 13220    | 3.62  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.731 | 91   | 75096    | 3.80  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.841 | 106  | 55474    | 7.47  | ug/l   | 100      |
| 69) o-Xylene                  | 12.164 | 106  | 24730    | 3.57  | ug/l   | 95       |
| 70) Styrene                   | 12.183 | 104  | 42160    | 3.59  | ug/l   | 100      |
| 71) Bromoform                 | 12.347 | 173  | 6256     | 3.42  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.463 | 105  | 69172    | 3.58  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.274 | 43   | 13873    | 3.48  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 14720    | 4.26  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.768 | 75   | 8639m    | 3.47  | ug/l   |          |
| 77) Bromobenzene              | 12.743 | 156  | 16463    | 3.87  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.804 | 91   | 87461    | 3.71  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 50712    | 3.77  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 58760    | 3.59  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75   | 3146m    | 3.08  | ug/l   |          |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 53835    | 3.77  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.207 | 119  | 48744    | 3.53  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 60111    | 3.70  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.384 | 105  | 74954    | 3.66  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.493 | 119  | 62983    | 3.55  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.499 | 146  | 33537    | 3.86  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 34729    | 4.05  | ug/l   | 94       |
| 89) n-Butylbenzene            | 13.823 | 91   | 63569    | 3.64  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.091 | 117  | 9775     | 3.51  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.865 | 146  | 29397    | 3.82  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75   | 2172     | 3.94  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.127 | 180  | 19617    | 3.81  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.237 | 225  | 10967    | 3.69  | ug/l   | 96       |
| 95) Naphthalene               | 15.365 | 128  | 34400    | 3.67  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 17329    | 3.89  | ug/l   | 98       |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
APPROVED

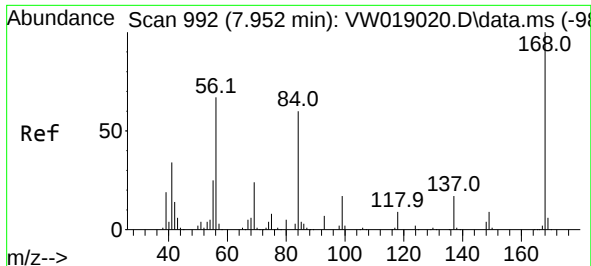
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5/24/2021 3:48:21 PM

Quant Time: May 22 03:51:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W051921S.M  
Quant Title : SW846 8260  
QLast Update : Sat May 22 03:50:37 2021  
Response via : Initial Calibration

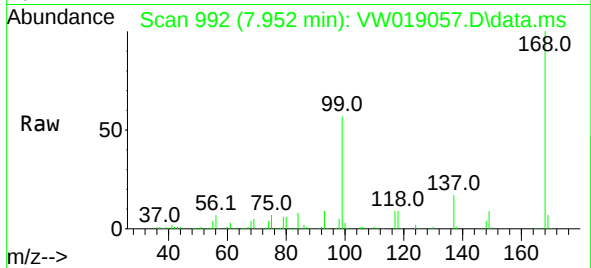
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

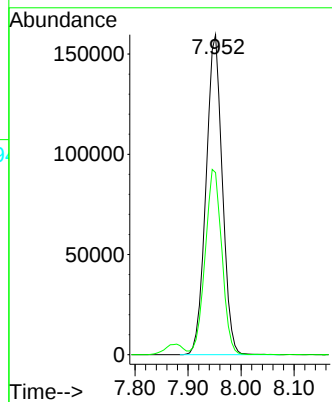
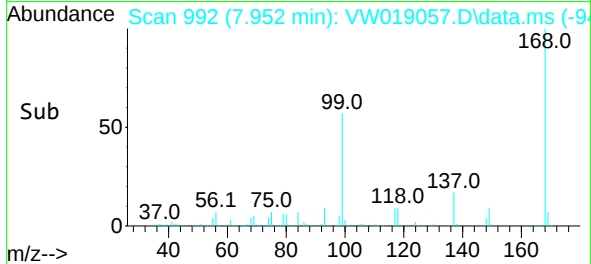




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



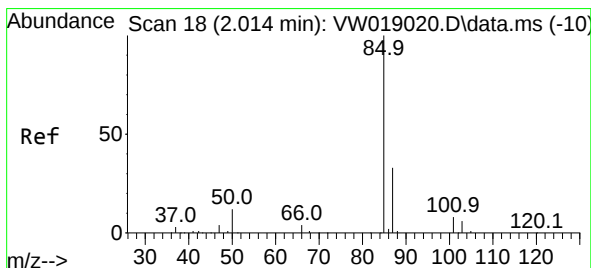
Tgt Ion: 168 Resp: 339904  
Ion Ratio Lower Upper  
168 100  
99 56.9 48.8 73.2



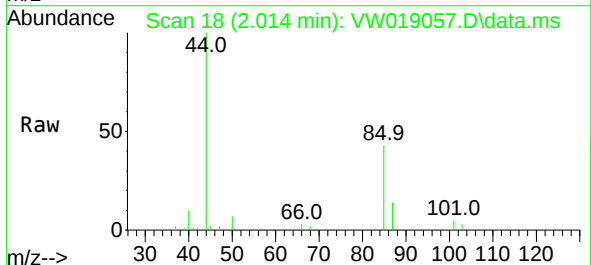
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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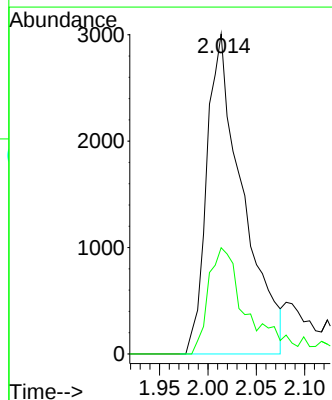
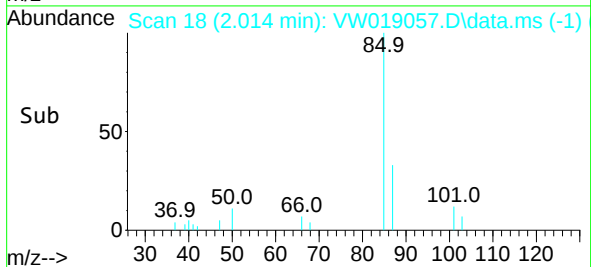
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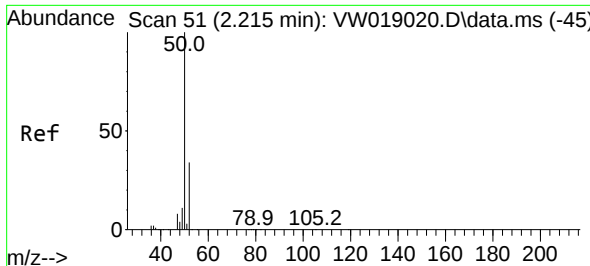


#2  
Dichlorodifluoromethane  
Concen: 3.39 ug/l  
RT: 2.014 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



Tgt Ion: 85 Resp: 7747  
Ion Ratio Lower Upper  
85 100  
87 33.2 16.7 50.0





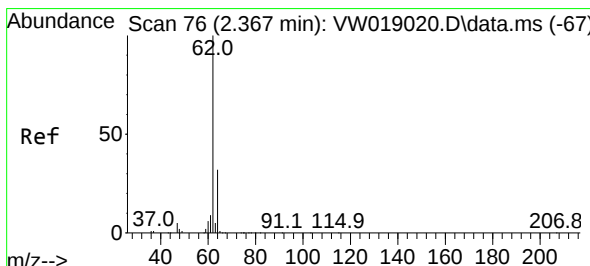
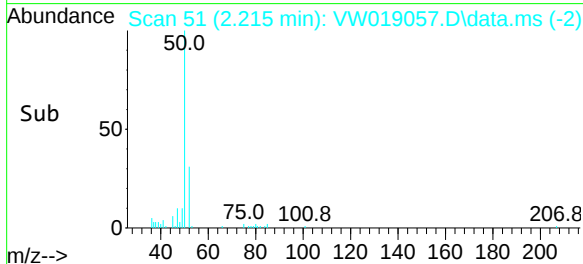
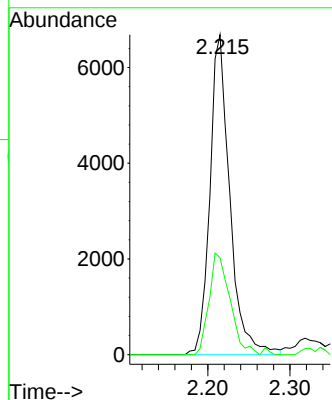
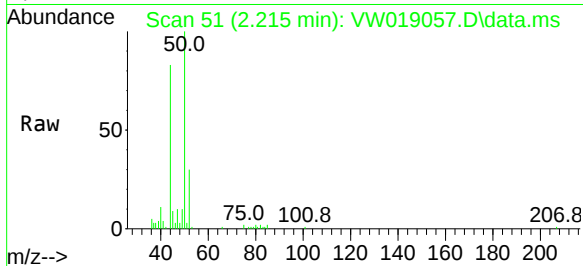
#3  
Chloromethane  
Concen: 4.42 ug/l  
RT: 2.215 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 50 Resp: 11222  
Ion Ratio Lower Upper  
50 100  
52 30.3 26.9 40.3

Instrument :  
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LOD-MDL-SOIL-01-QT2-2021

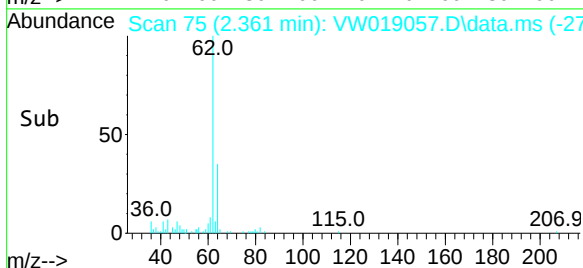
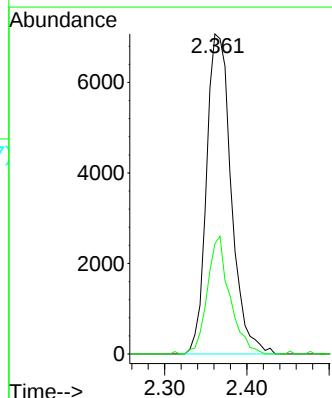
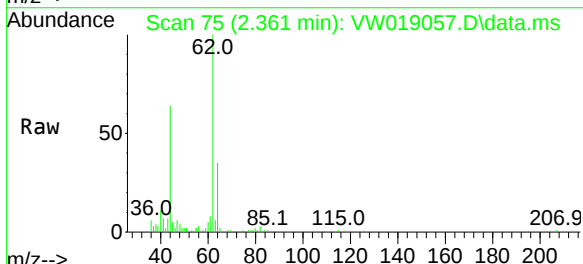
Manual Integrations  
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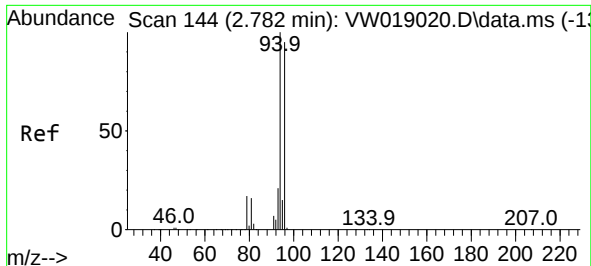
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5/24/2021 3:48:21 PM



#4  
Vinyl Chloride  
Concen: 3.96 ug/l  
RT: 2.361 min Scan# 75  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

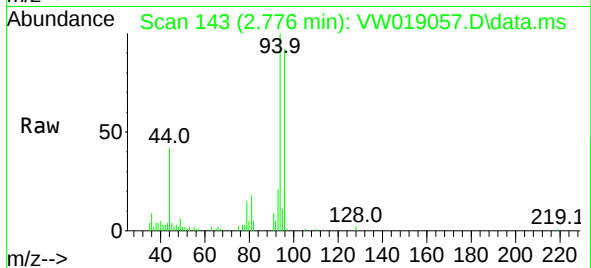
Tgt Ion: 62 Resp: 14766  
Ion Ratio Lower Upper  
62 100  
64 34.5 25.3 37.9





#5  
Bromomethane  
Concen: 4.07 ug/l  
RT: 2.776 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

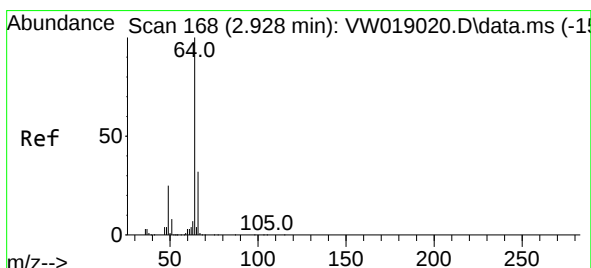
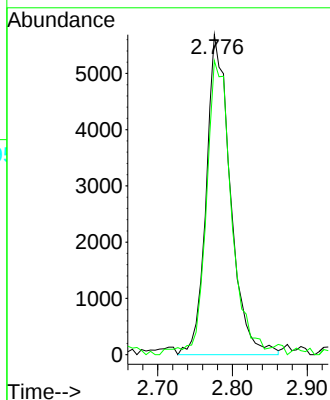
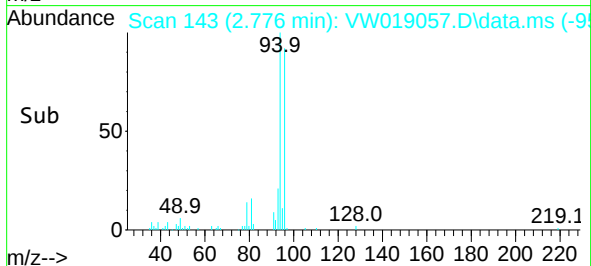
Instrument :  
MSVOA\_W  
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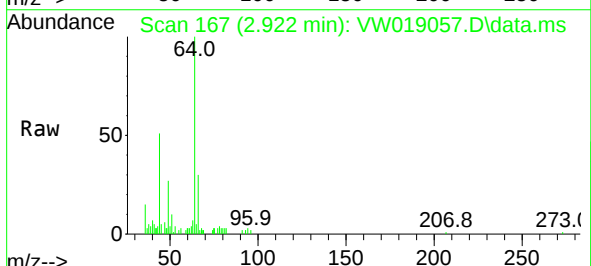
Tgt Ion: 94 Resp: 12733  
Ion Ratio Lower Upper  
94 100  
96 89.6 76.4 114.6

Manual Integrations  
APPROVED

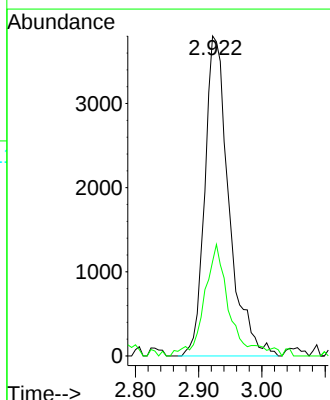
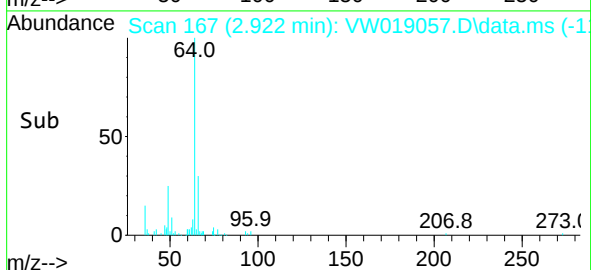
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5/24/2021 3:48:21 PM

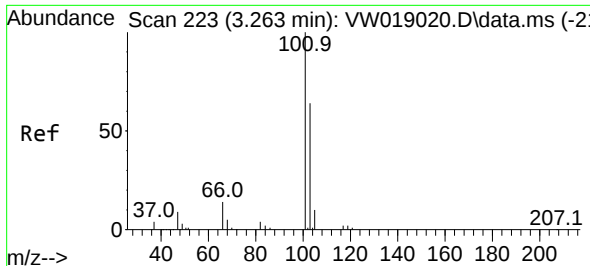


#6  
Chloroethane  
Concen: 3.93 ug/l  
RT: 2.922 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



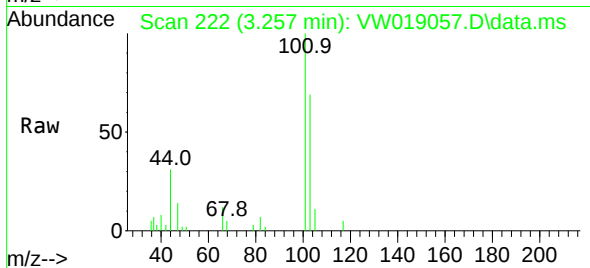
Tgt Ion: 64 Resp: 10071  
Ion Ratio Lower Upper  
64 100  
66 28.1 25.9 38.9





#7  
 Trichlorofluoromethane  
 Concen: 3.22 ug/l  
 RT: 3.257 min Scan# 222  
 Delta R.T. -0.006 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

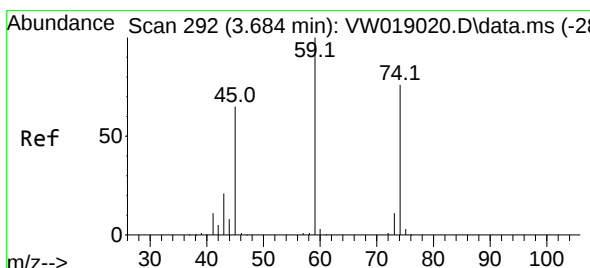
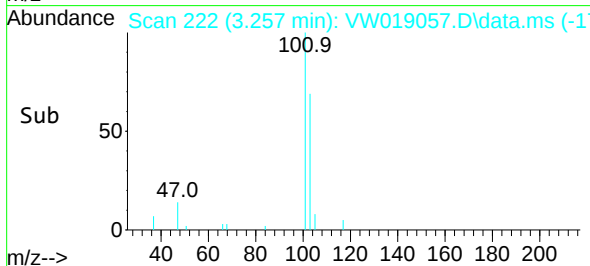
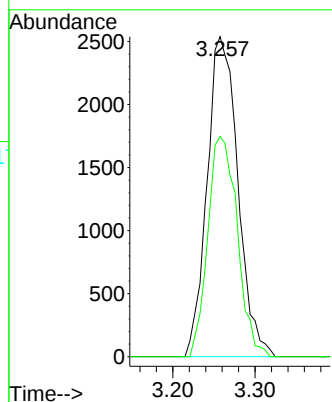
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021



Tgt Ion:101 Resp: 6603  
 Ion Ratio Lower Upper  
 101 100  
 103 68.8 51.4 77.2

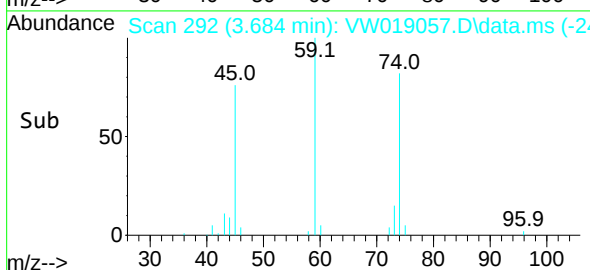
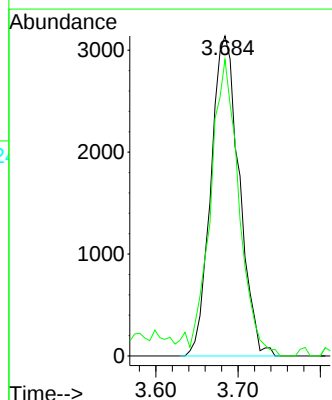
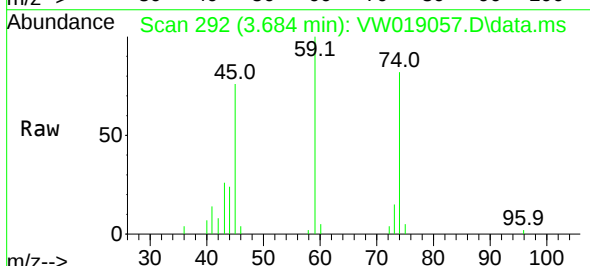
Manual Integrations  
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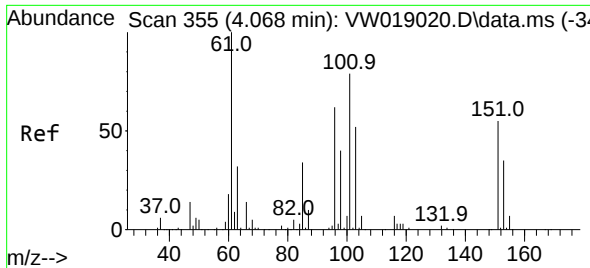
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#8  
 Diethyl Ether  
 Concen: 4.21 ug/l  
 RT: 3.684 min Scan# 292  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

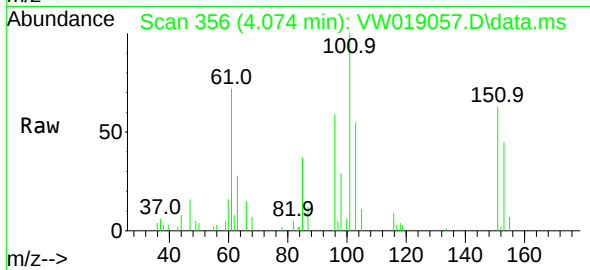
Tgt Ion: 74 Resp: 7511  
 Ion Ratio Lower Upper  
 74 100  
 45 94.1 43.3 129.8





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.08 ug/l  
RT: 4.074 min Scan# 356  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

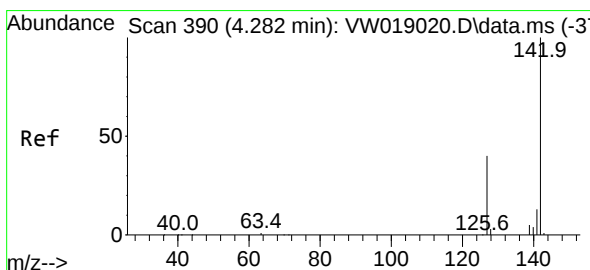
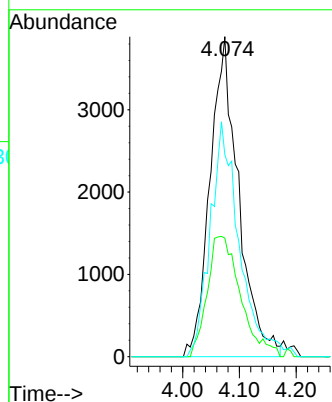
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



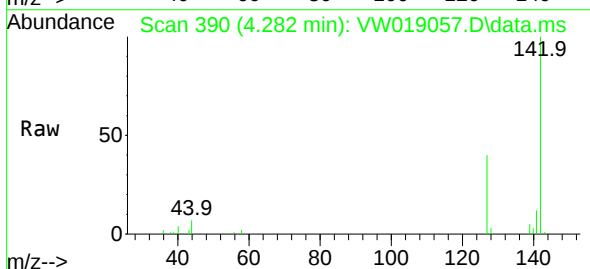
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 43.9  | 35.9  | 53.9  |
| 151     | 75.1  | 59.8  | 89.6  |

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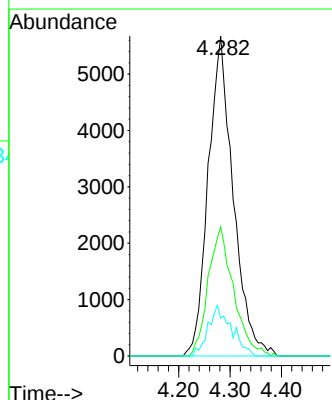
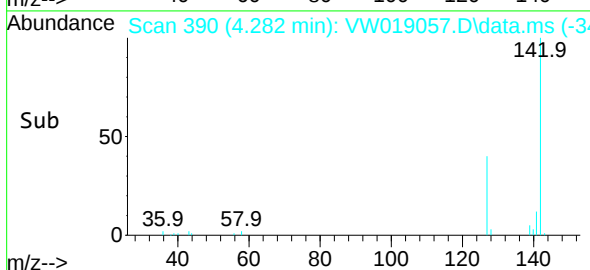
MMDadoda  
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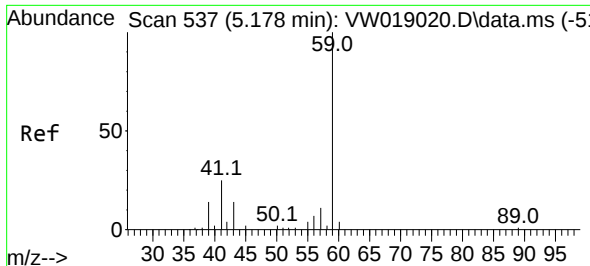


#10  
Methyl Iodide  
Concen: 3.92 ug/l  
RT: 4.282 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



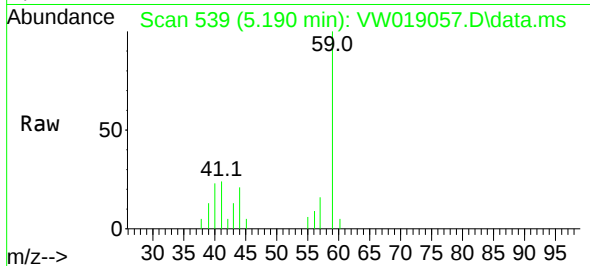
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 41.0  | 33.7  | 50.5  |
| 141     | 14.7  | 11.2  | 16.8  |





#11  
Tert butyl alcohol  
Concen: 33.98 ug/l  
RT: 5.190 min Scan# 539  
Delta R.T. 0.012 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

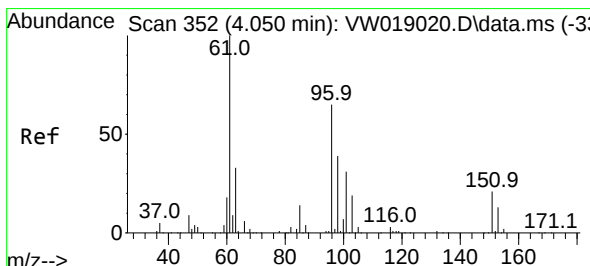
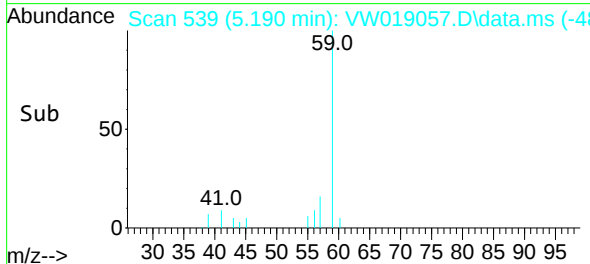
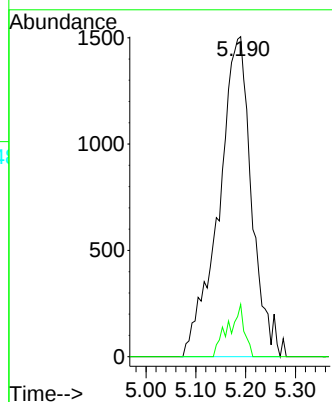
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



Tgt Ion: 59 Resp: 6860  
Ion Ratio Lower Upper  
59 100  
57 8.0 8.9 13.3#

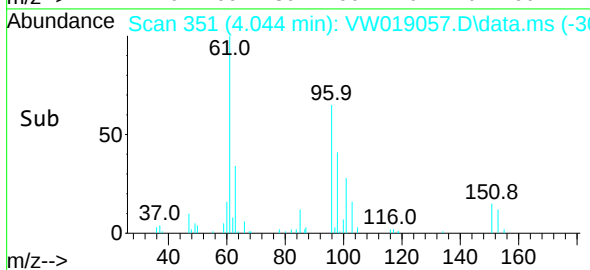
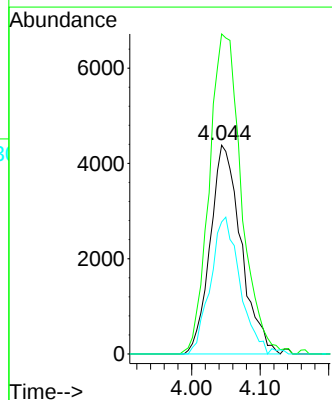
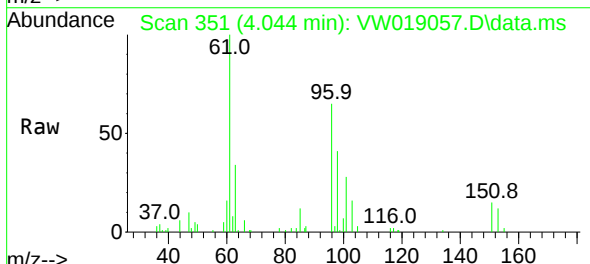
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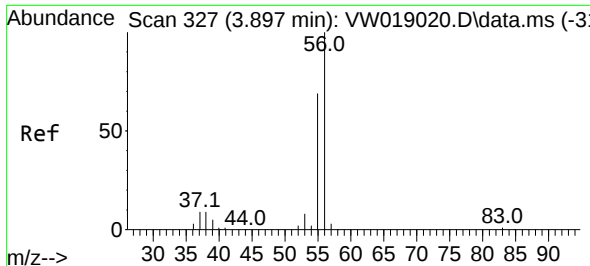
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#12  
1,1-Dichloroethene  
Concen: 4.04 ug/l  
RT: 4.044 min Scan# 351  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

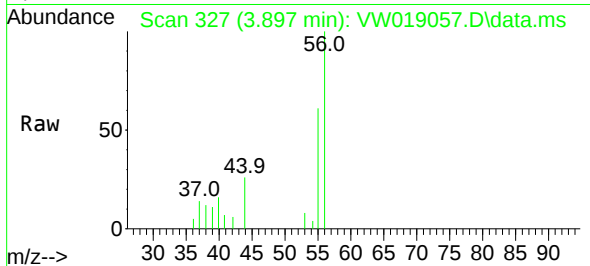
Tgt Ion: 96 Resp: 13675  
Ion Ratio Lower Upper  
96 100  
61 153.3 123.0 184.4  
98 63.2 47.5 71.3



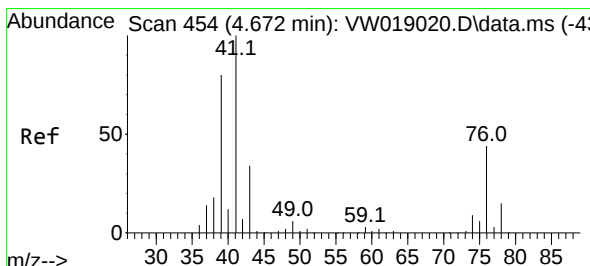
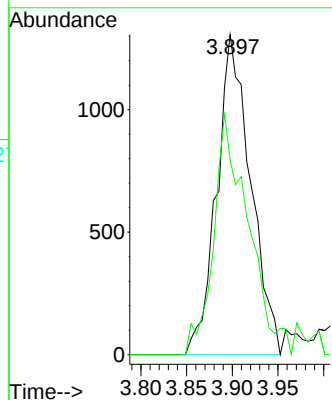
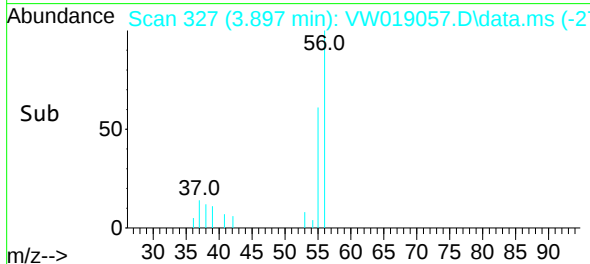


#13  
Acrolein  
Concen: 14.67 ug/l  
RT: 3.897 min Scan# 327  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

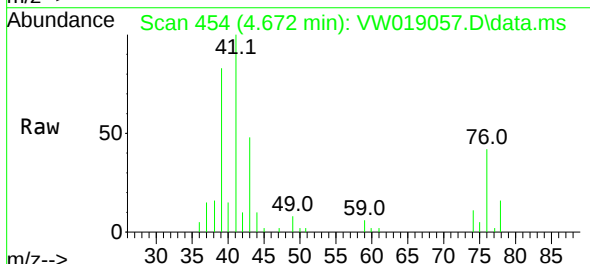
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



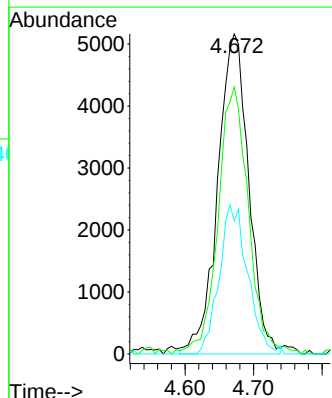
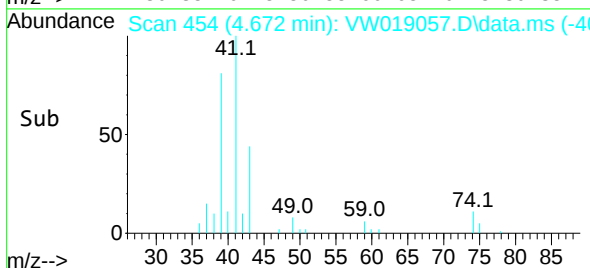
Tgt Ion: 56 Resp: 3358  
Ion Ratio Lower Upper  
56 100  
55 77.2 56.7 85.1

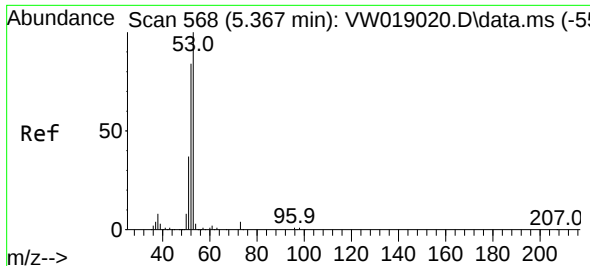


#14  
Allyl chloride  
Concen: 3.68 ug/l  
RT: 4.672 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



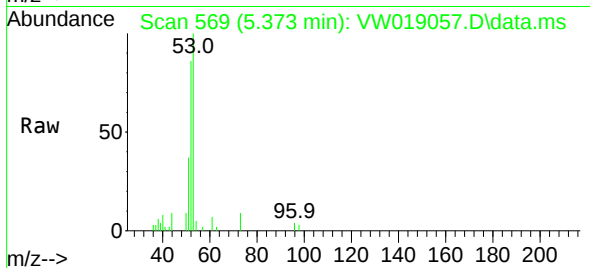
Tgt Ion: 41 Resp: 16208  
Ion Ratio Lower Upper  
41 100  
39 82.0 63.9 95.9  
76 42.8 35.1 52.7





#15  
Acrylonitrile  
Concen: 20.38 ug/l  
RT: 5.373 min Scan# 569  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

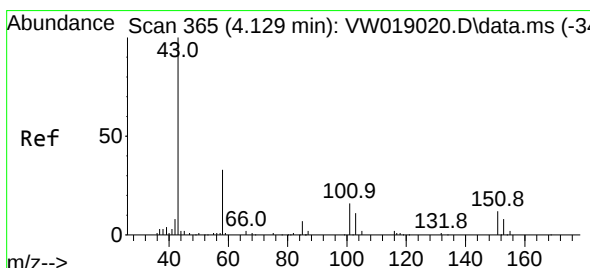
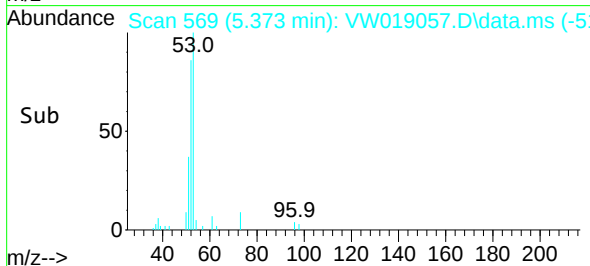
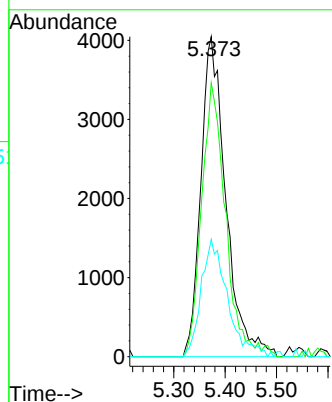
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.1  | 66.5  | 99.7  |
| 51      | 38.7  | 29.8  | 44.8  |

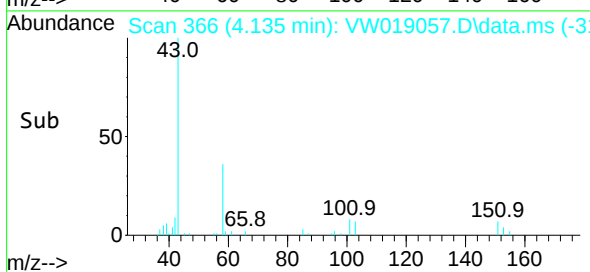
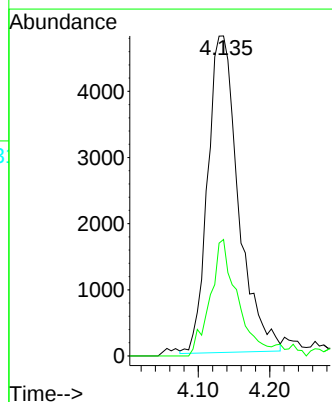
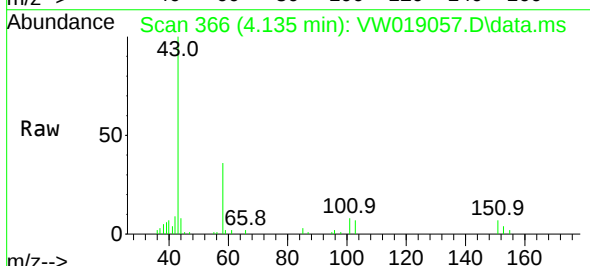
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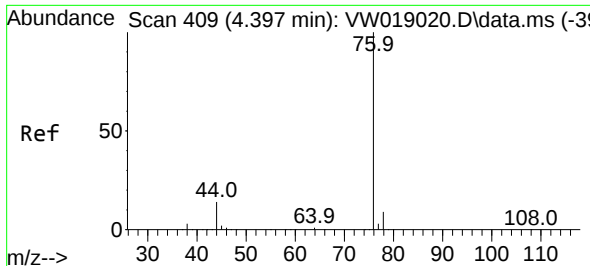
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#16  
Acetone  
Concen: 26.21 ug/l  
RT: 4.135 min Scan# 366  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.0  | 26.4  | 39.6  |





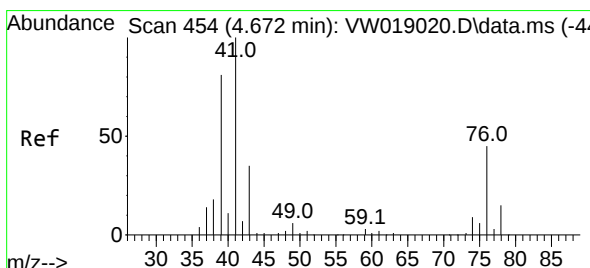
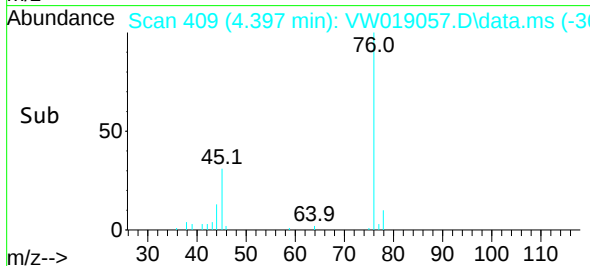
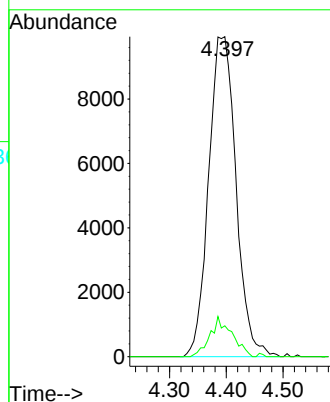
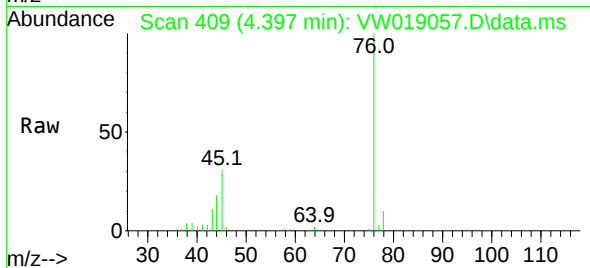
#17  
Carbon Disulfide  
Concen: 3.60 ug/l  
RT: 4.397 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 76 Resp: 33342  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.2

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

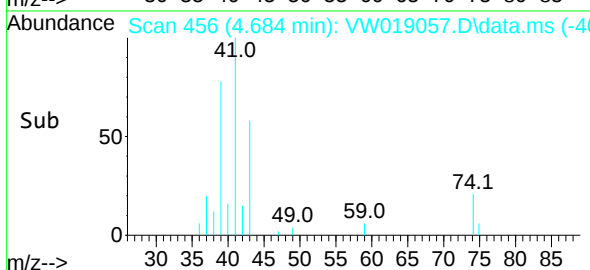
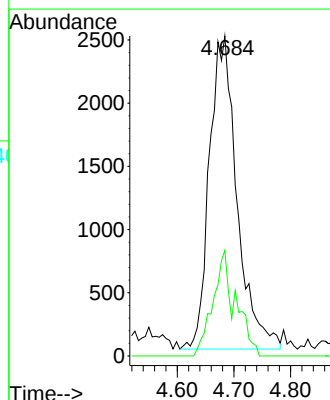
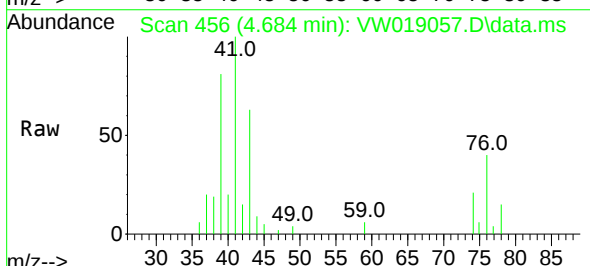
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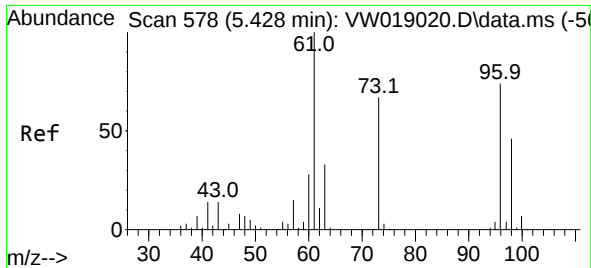
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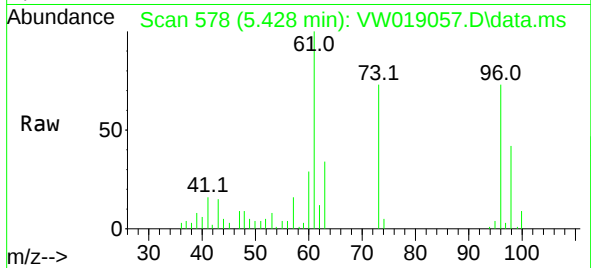
#18  
Methyl Acetate  
Concen: 5.23 ug/l  
RT: 4.684 min Scan# 456  
Delta R.T. 0.012 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 43 Resp: 8391  
Ion Ratio Lower Upper  
43 100  
74 19.5 21.8 32.8#

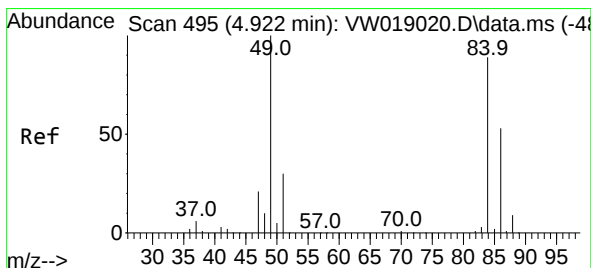
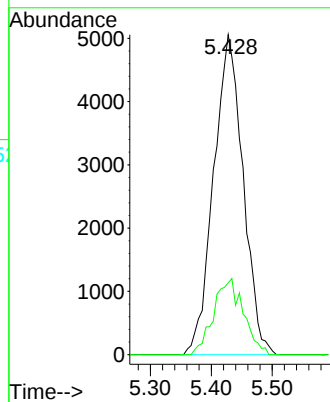
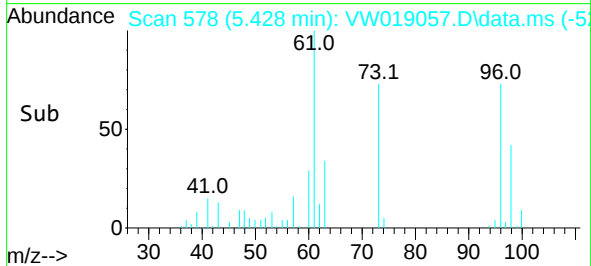




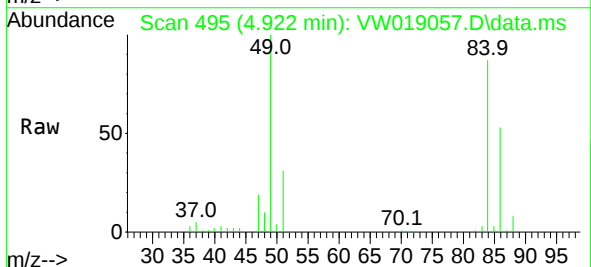
#19  
Methyl tert-butyl Ether  
Concen: 4.00 ug/l  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



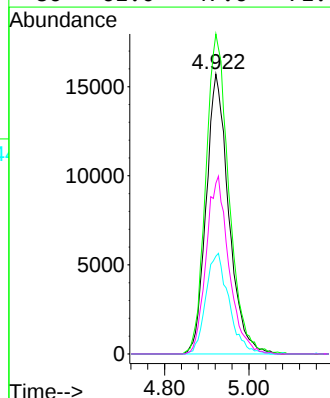
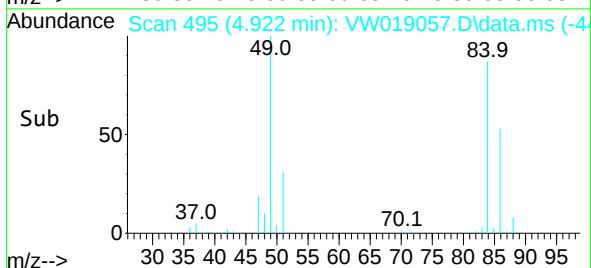
Tgt Ion: 73 Resp: 16991  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.4 26.0



#20  
Methylene Chloride  
Concen: 11.95 ug/l  
RT: 4.922 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



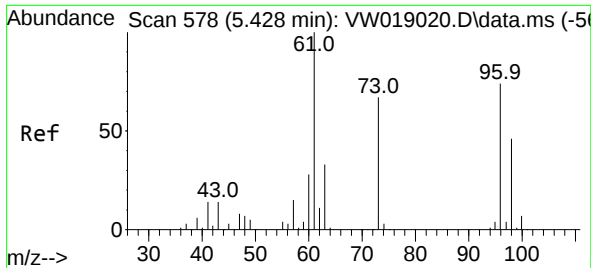
Tgt Ion: 84 Resp: 58437  
Ion Ratio Lower Upper  
84 100  
49 114.4 90.4 135.6  
51 34.9 27.1 40.7  
86 61.0 47.6 71.4



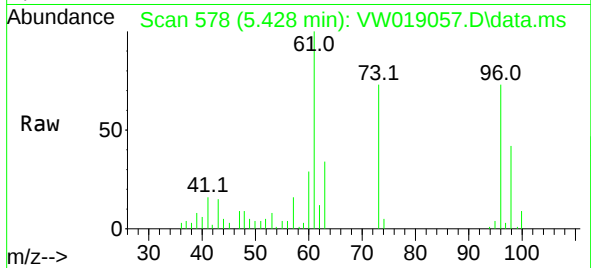
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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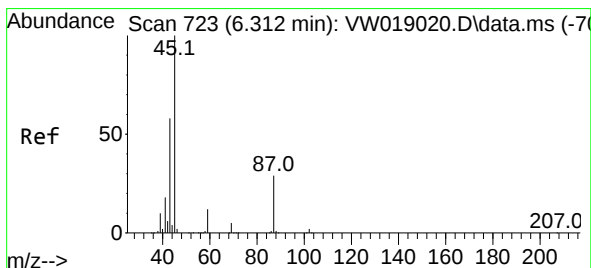
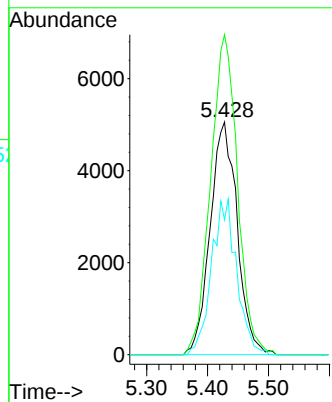
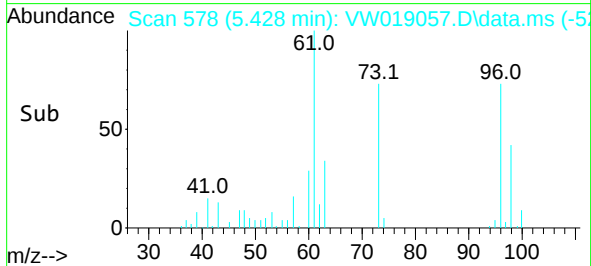


#21  
trans-1,2-Dichloroethene  
Concen: 4.03 ug/l  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

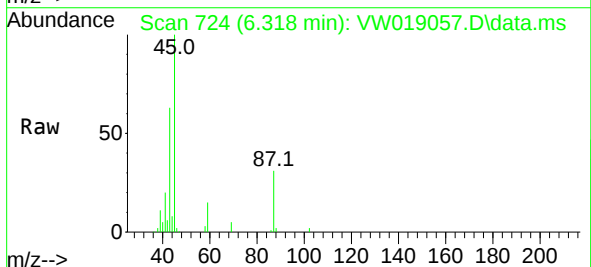


Tgt Ion: 96 Resp: 15574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.6 | 108.5 | 162.7 |
| 98  | 58.0  | 49.4  | 74.0  |

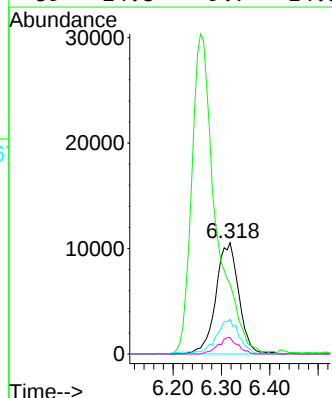
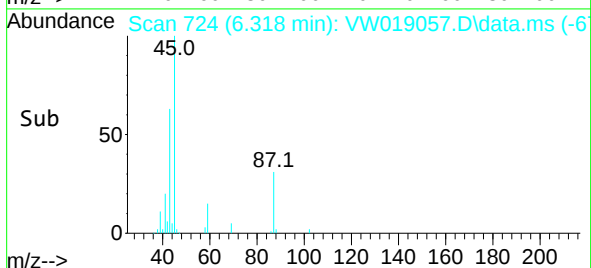


#22  
Diisopropyl ether  
Concen: 3.87 ug/l  
RT: 6.318 min Scan# 724  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



Tgt Ion: 45 Resp: 34647

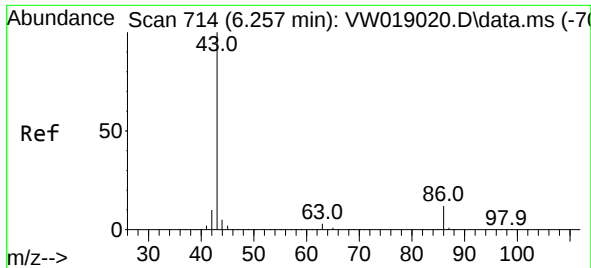
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 59.1  | 46.1  | 69.1  |
| 87  | 31.1  | 23.4  | 35.2  |
| 59  | 14.8  | 9.7   | 14.5  |



Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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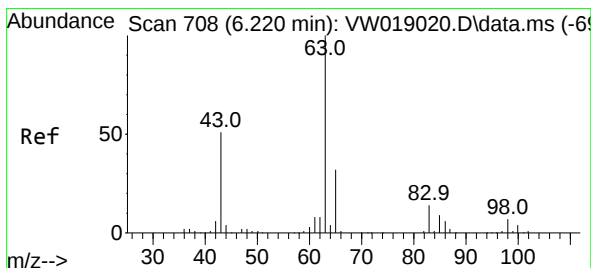
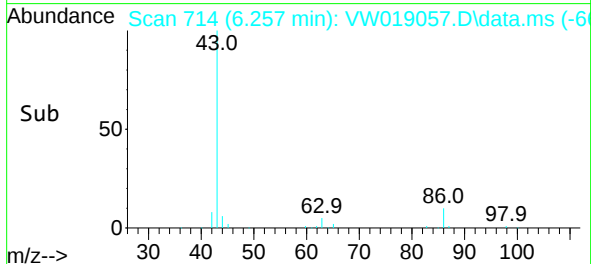
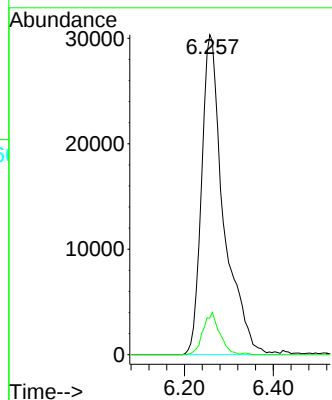
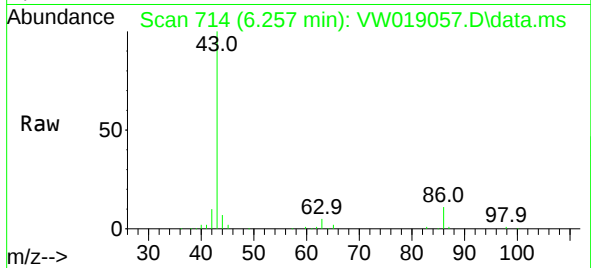
#23  
 Vinyl Acetate  
 Concen: 17.45 ug/l  
 RT: 6.257 min Scan# 714  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

Tgt Ion: 43 Resp: 105194  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 9.6 14.4

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

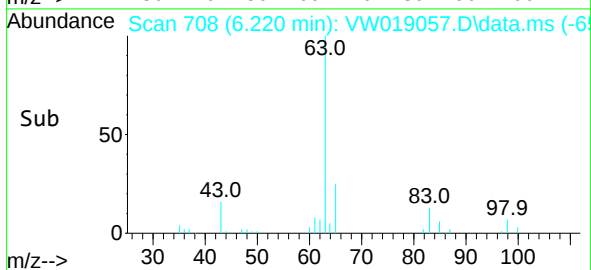
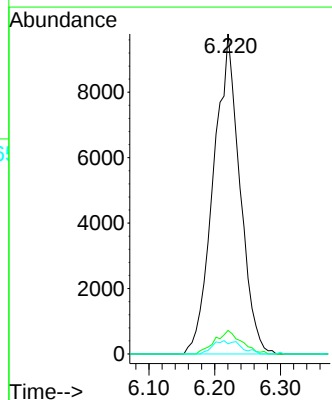
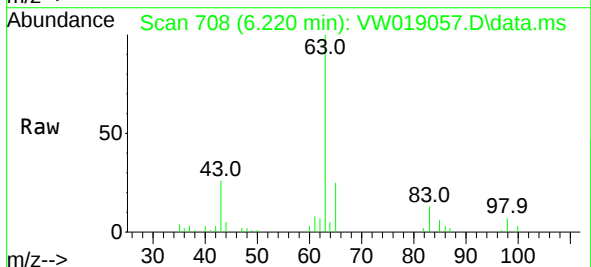
Manual Integrations  
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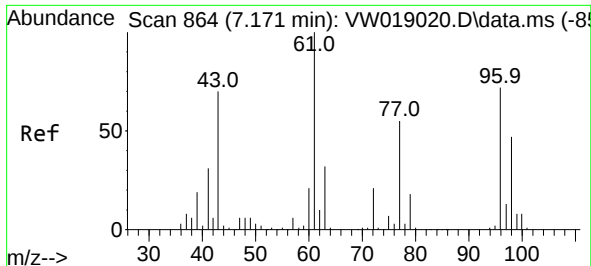
MMDadoda  
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#24  
 1,1-Dichloroethane  
 Concen: 3.93 ug/l  
 RT: 6.220 min Scan# 708  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

Tgt Ion: 63 Resp: 27296  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.6 10.9  
 100 3.1 2.3 6.8





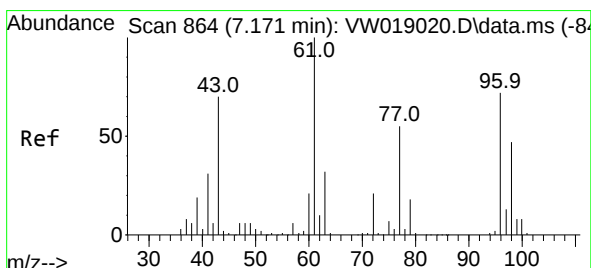
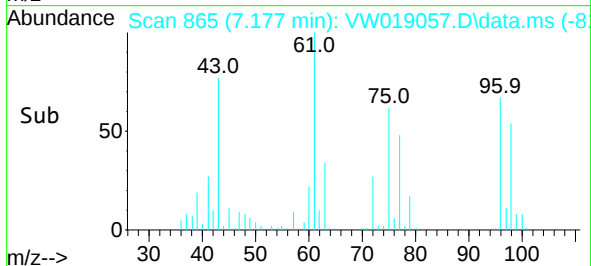
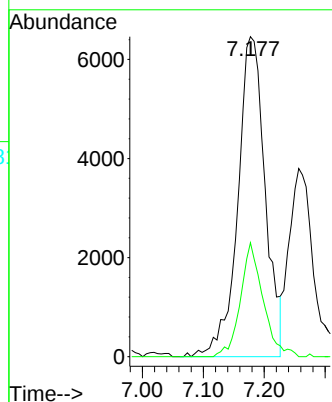
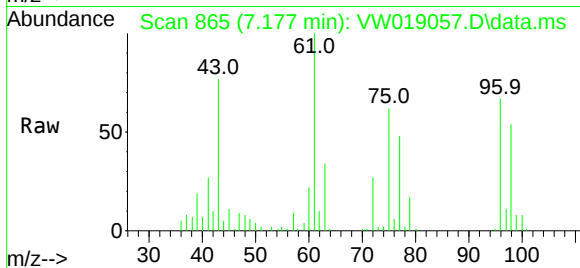
#25  
2-Butanone  
Concen: 22.60 ug/l  
RT: 7.177 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 43 Resp: 20232  
Ion Ratio Lower Upper  
43 100  
72 35.6 24.0 36.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

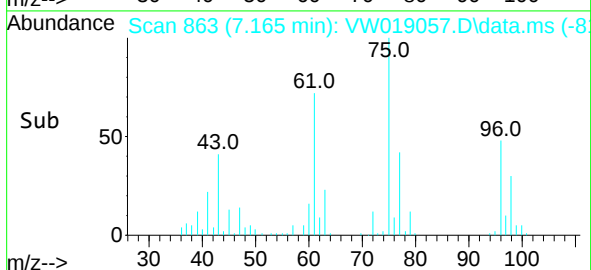
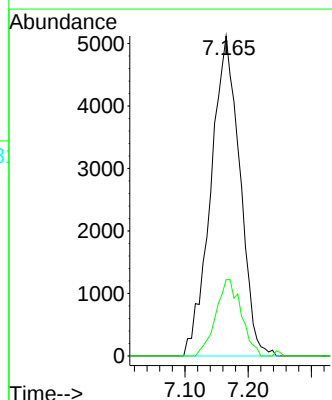
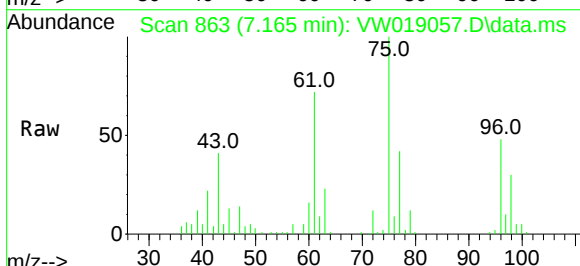
Manual Integrations  
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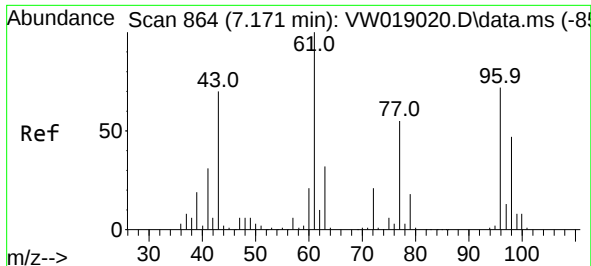
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#26  
2,2-Dichloropropane  
Concen: 4.36 ug/l  
RT: 7.165 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 77 Resp: 16308  
Ion Ratio Lower Upper  
77 100  
97 20.9 11.8 35.3





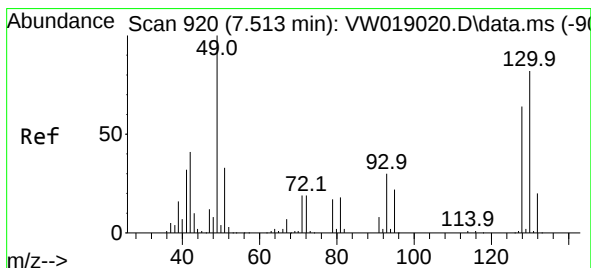
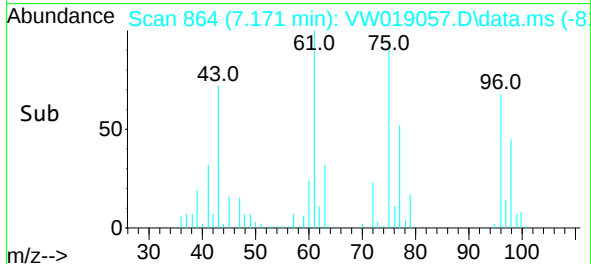
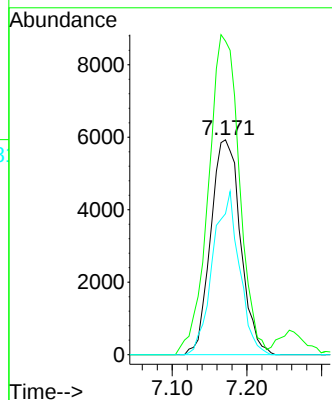
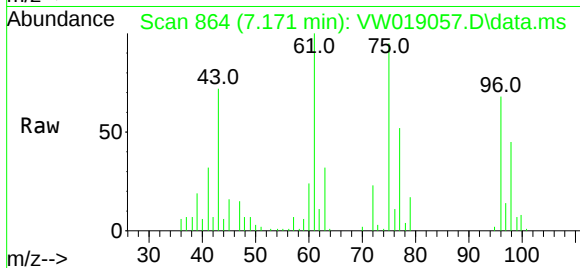
#27  
 cis-1,2-Dichloroethene  
 Concen: 3.83 ug/l  
 RT: 7.171 min Scan# 864  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 16422 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 155.0 | 0.0   | 281.2 |
| 98       | 67.8  | 0.0   | 127.4 |

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

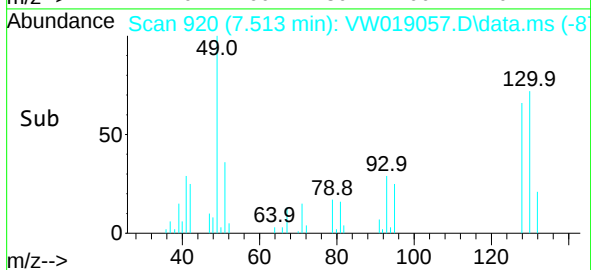
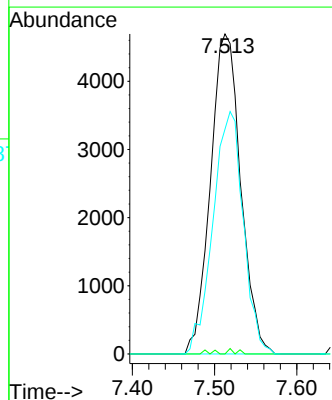
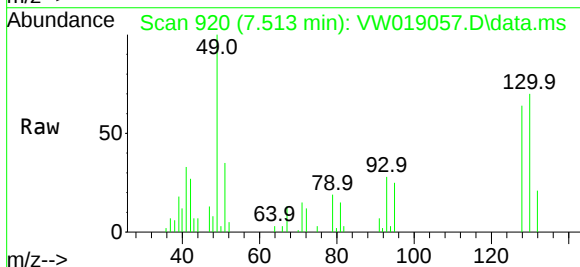
Manual Integrations  
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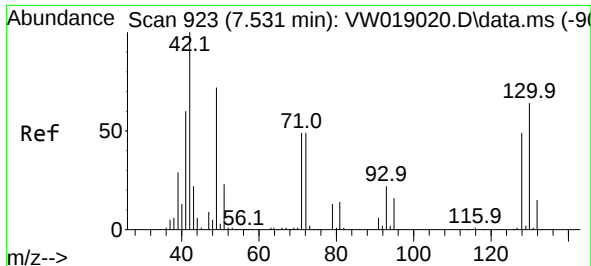
MMDadoda  
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#28  
 Bromochloromethane  
 Concen: 4.26 ug/l  
 RT: 7.513 min Scan# 920  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 12016 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.4   | 0.0   | 4.4   |
| 130      | 75.8  | 63.0  | 94.4  |





#29

Tetrahydrofuran

Concen: 19.41 ug/l

RT: 7.537 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW019057.D

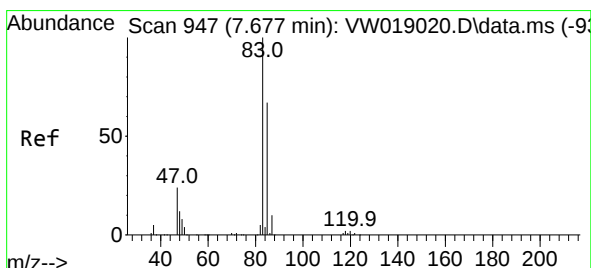
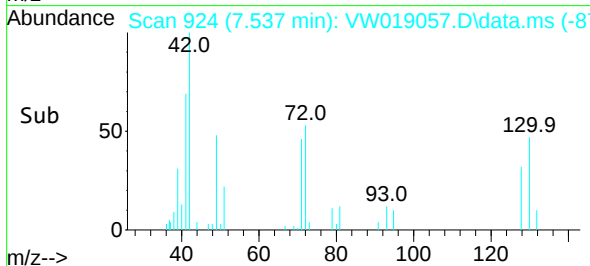
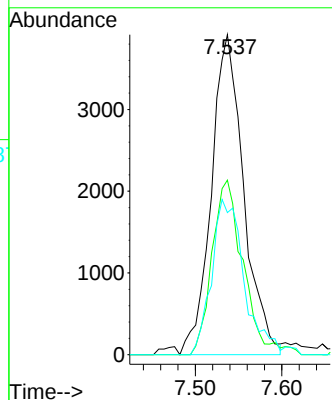
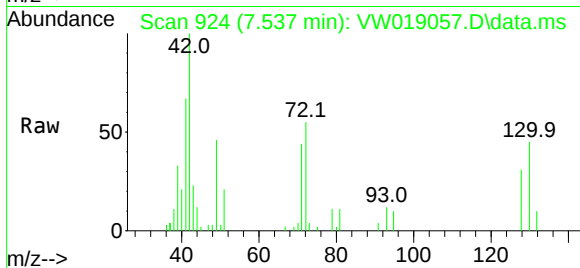
Acq: 21 May 2021 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 10163 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 52.6  | 40.1  | 60.1  |
| 71       | 49.4  | 38.3  | 57.5  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
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5/24/2021 3:48:21 PM



#30

Chloroform

Concen: 4.09 ug/l

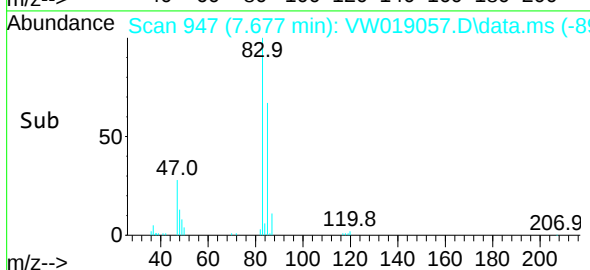
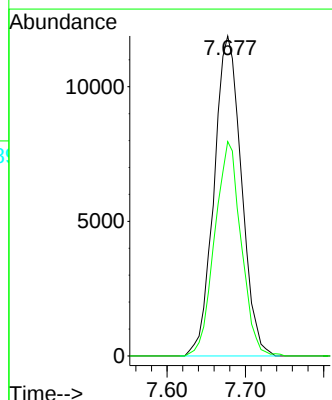
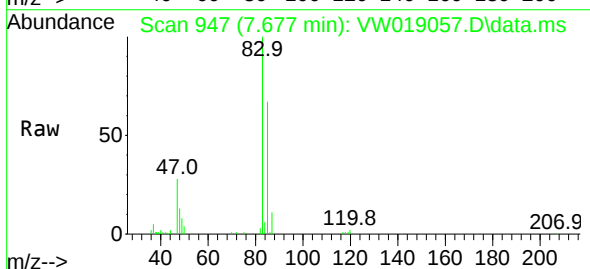
RT: 7.677 min Scan# 947

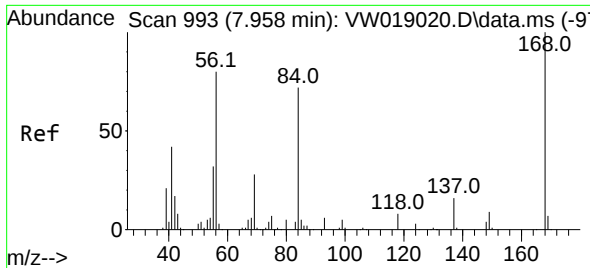
Delta R.T. 0.000 min

Lab File: VW019057.D

Acq: 21 May 2021 18:31

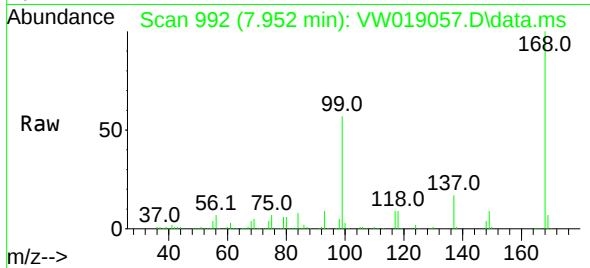
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 28818 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.0  | 53.4  | 80.0  |





#31  
Cyclohexane  
Concen: 4.97 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

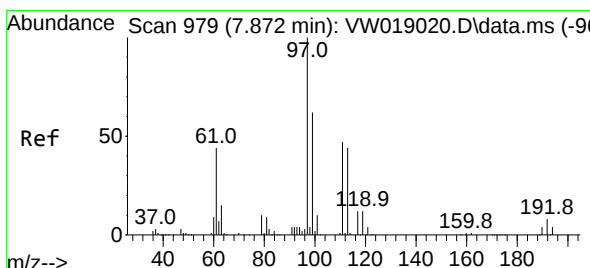
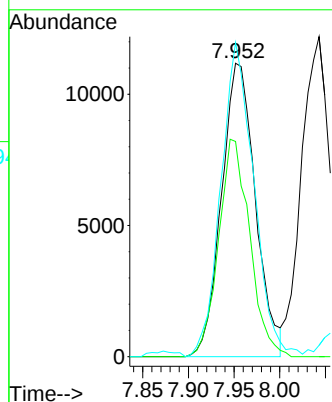
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



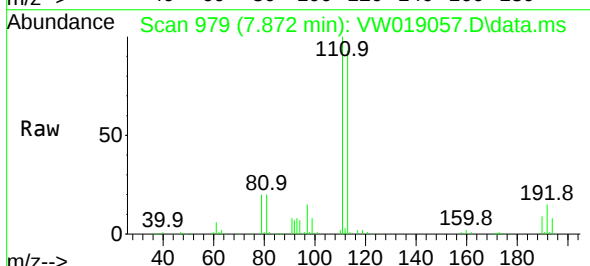
Tgt Ion: 56 Resp: 28853  
Ion Ratio Lower Upper  
56 100  
69 73.4 28.4 42.6#  
84 105.8 72.3 108.5

Manual Integrations  
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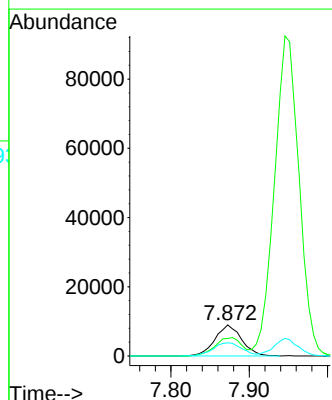
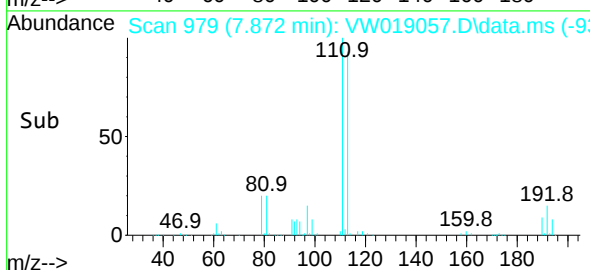
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5/24/2021 3:48:21 PM

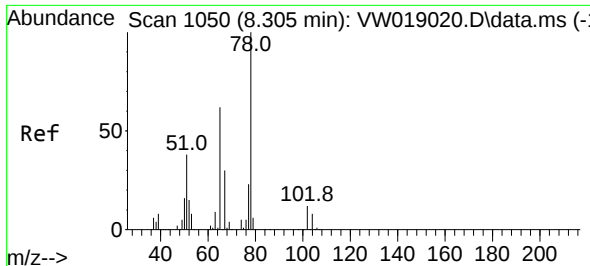


#32  
1,1,1-Trichloroethane  
Concen: 4.02 ug/l  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

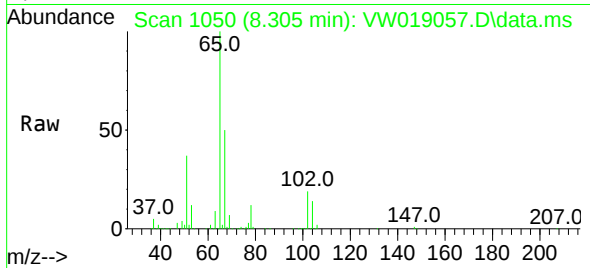


Tgt Ion: 97 Resp: 21068  
Ion Ratio Lower Upper  
97 100  
99 58.6 52.2 78.4  
61 46.5 36.7 55.1

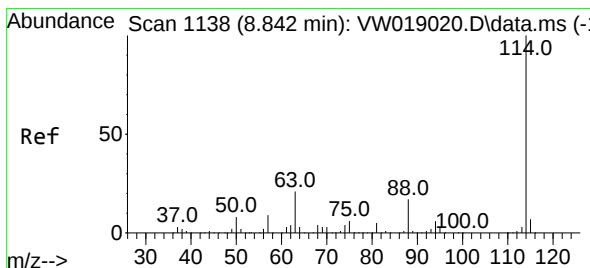
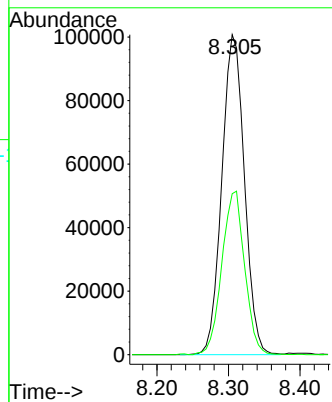
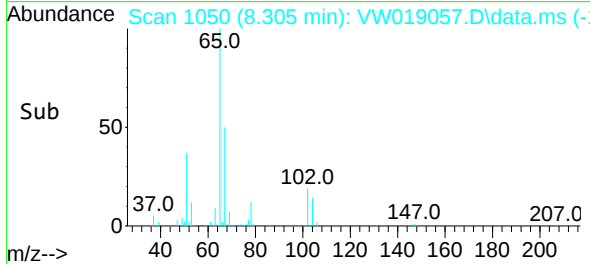




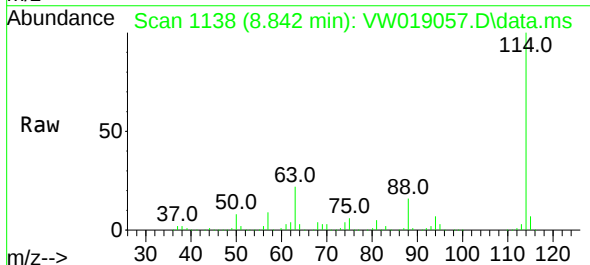
#33  
1,2-Dichloroethane-d4  
Concen: 63.75 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



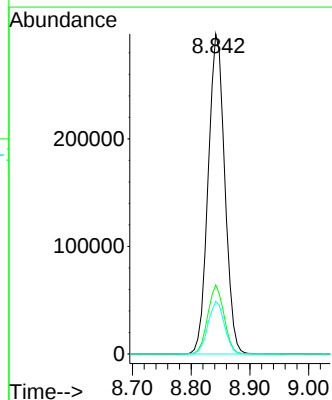
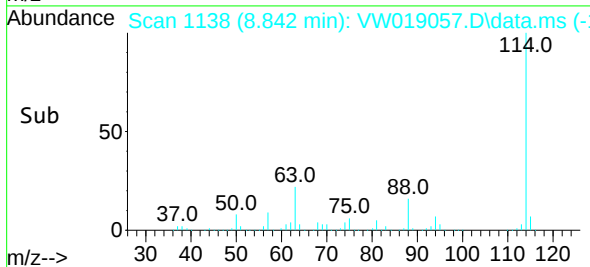
Tgt Ion: 65 Resp: 221040  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.842 min Scan# 1138  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



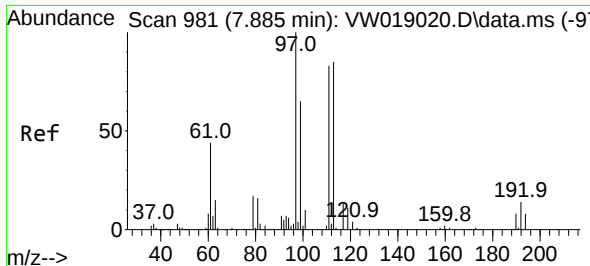
Tgt Ion: 114 Resp: 583704  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 42.4  
88 16.4 0.0 33.2



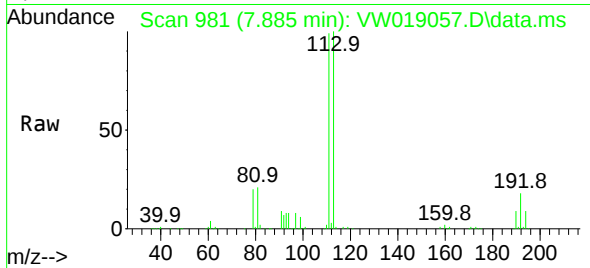
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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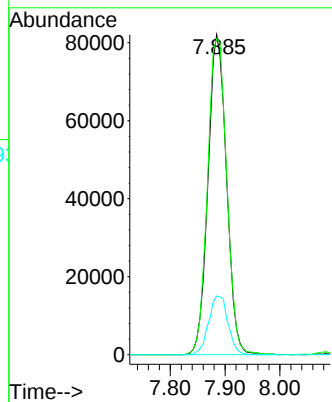
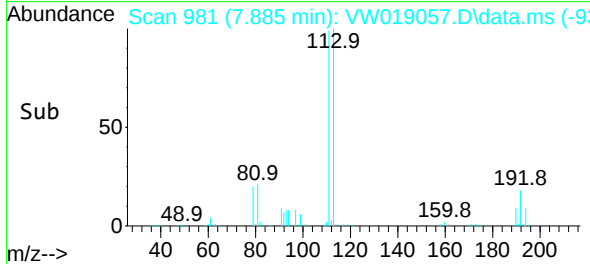
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#35  
Dibromofluoromethane  
Concen: 59.13 ug/l  
RT: 7.885 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



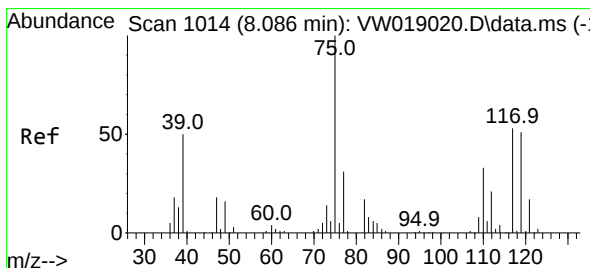
Tgt Ion: 113 Resp: 192183  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.3 123.5  
192 19.1 15.3 22.9



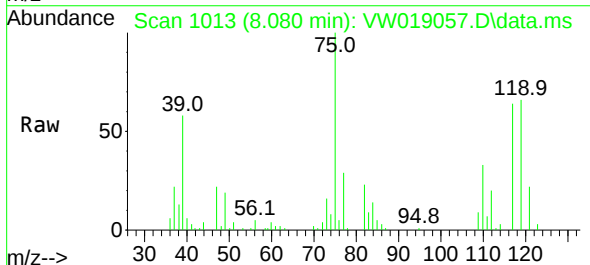
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
APPROVED

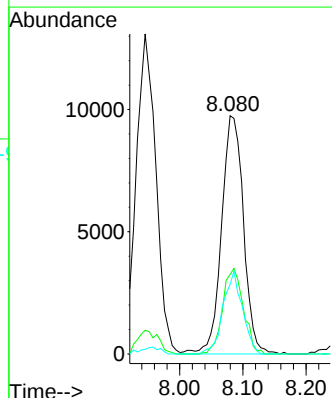
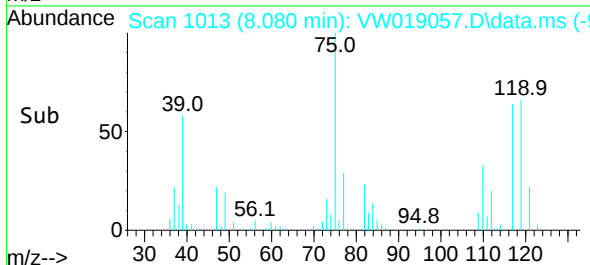
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5/24/2021 3:48:21 PM

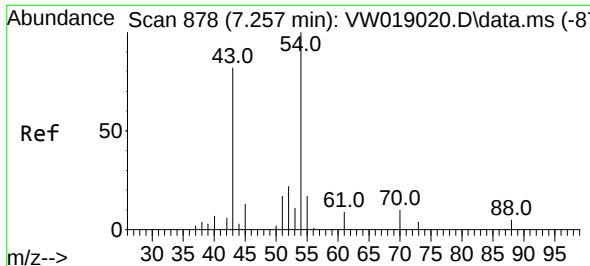


#36  
1,1-Dichloropropene  
Concen: 4.03 ug/l  
RT: 8.080 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



Tgt Ion: 75 Resp: 23447  
Ion Ratio Lower Upper  
75 100  
110 33.9 17.1 51.2  
77 30.6 25.3 37.9





#37

Ethyl Acetate

Concen: 4.52 ug/l

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: VW019057.D

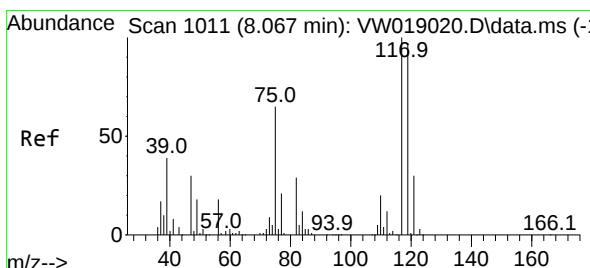
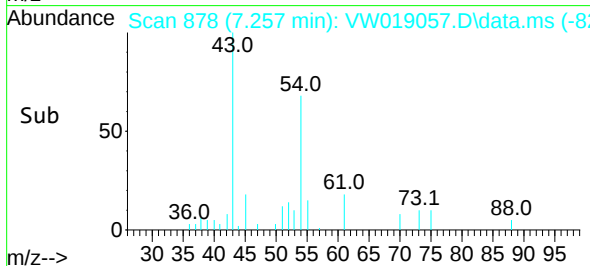
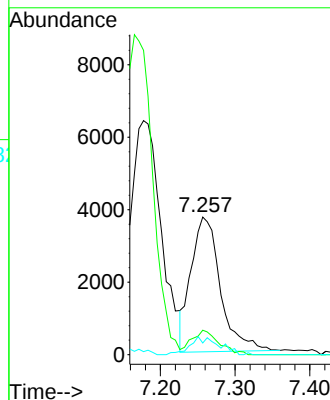
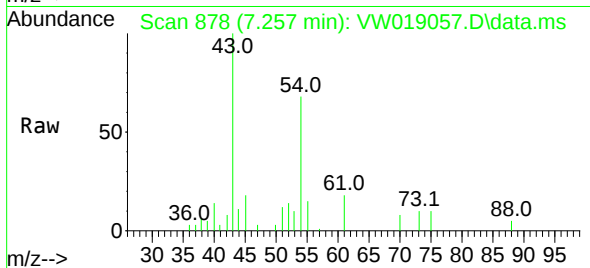
Acq: 21 May 2021 18:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10174 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.9  | 12.2  | 18.4  |
| 70       | 12.9  | 9.5   | 14.3  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 3.68 ug/l

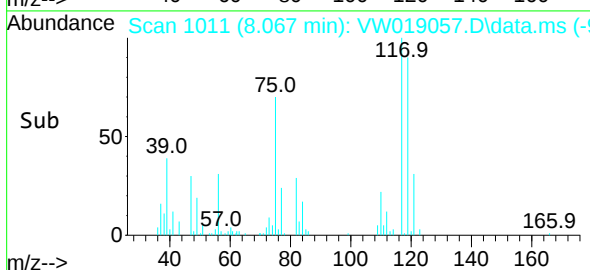
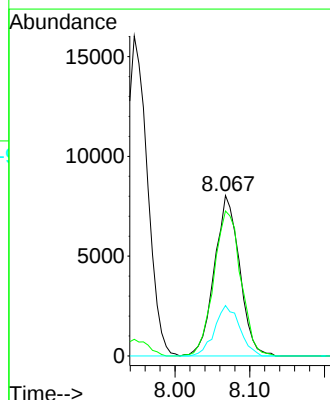
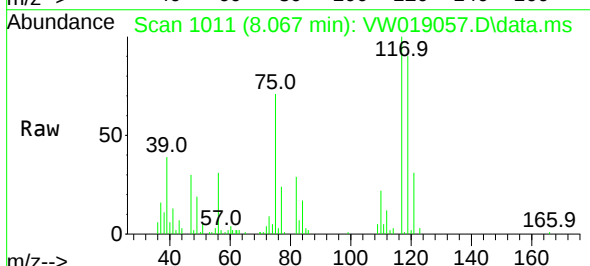
RT: 8.067 min Scan# 1011

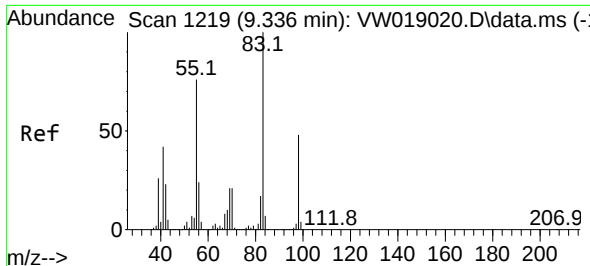
Delta R.T. 0.000 min

Lab File: VW019057.D

Acq: 21 May 2021 18:31

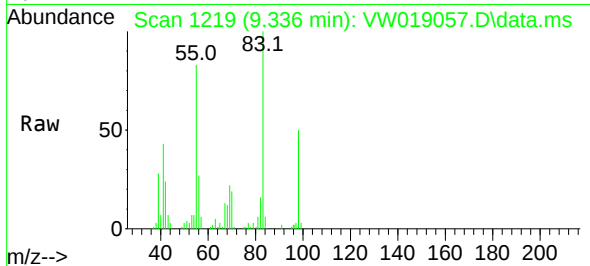
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 18875 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 90.3  | 77.4  | 116.0 |
| 121      | 31.4  | 23.6  | 35.4  |





#39  
Methylcyclohexane  
Concen: 3.73 ug/l  
RT: 9.336 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

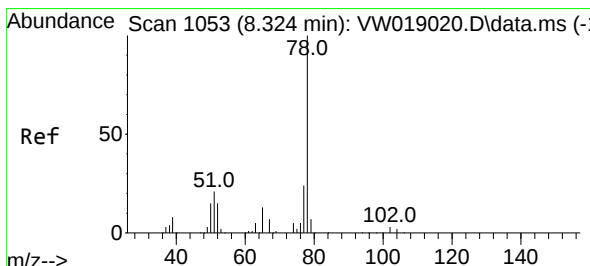
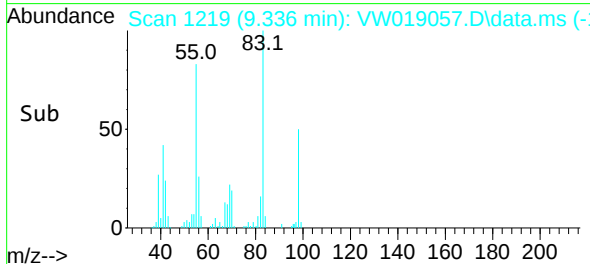
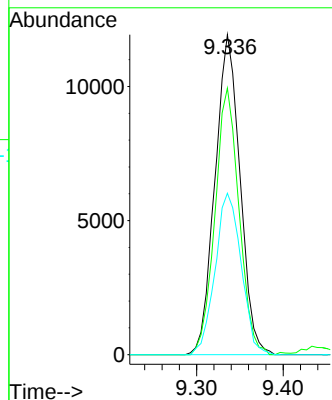
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 23958 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 83.3  | 60.9  | 91.3  |
| 98       | 50.4  | 38.4  | 57.6  |

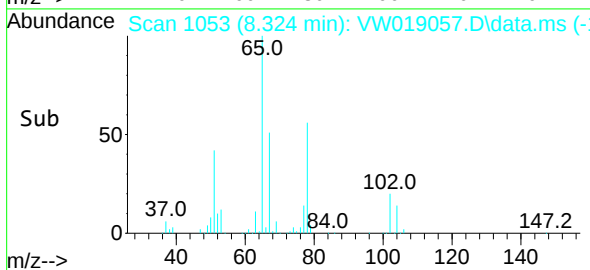
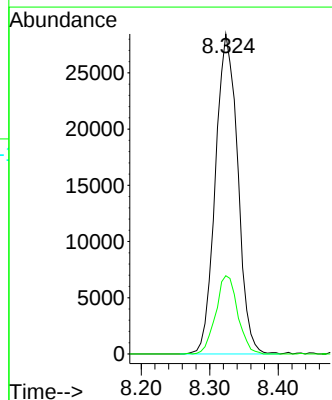
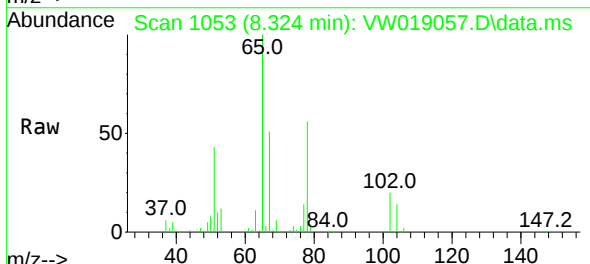
Manual Integrations  
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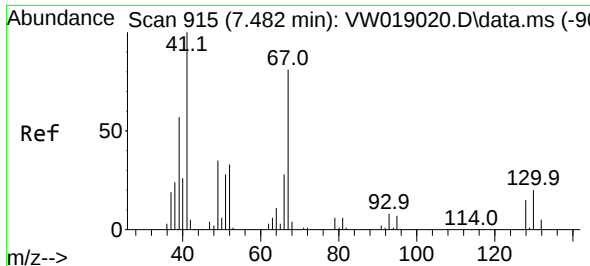
MMDadoda  
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#40  
Benzene  
Concen: 3.96 ug/l  
RT: 8.324 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

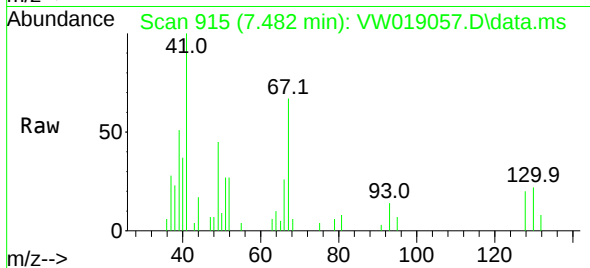
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 64268 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 24.4  | 19.6  | 29.4  |





#41  
Methacrylonitrile  
Concen: 3.29 ug/l  
RT: 7.482 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

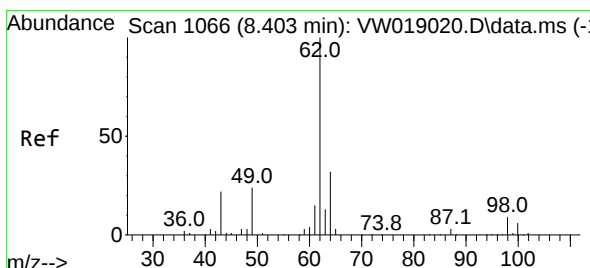
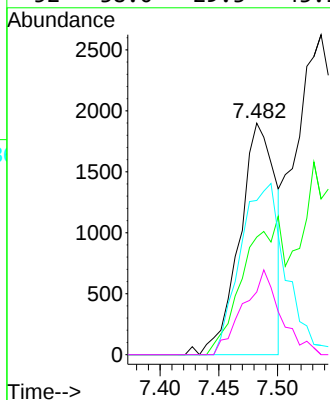
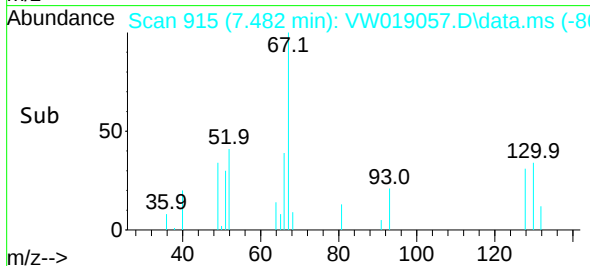
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



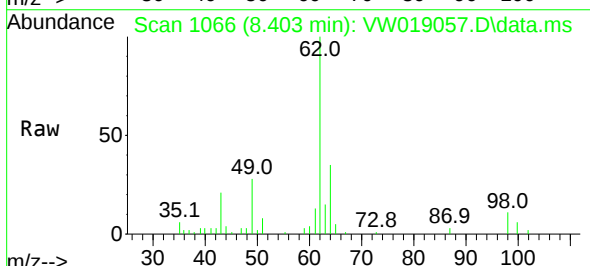
| Tgt Ion:  | 41   | Resp: | 4036  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 39        | 65.8 | 50.1  | 75.1  |
| 67        | 93.2 | 69.0  | 103.4 |
| 52        | 38.0 | 29.3  | 43.9  |

Manual Integrations  
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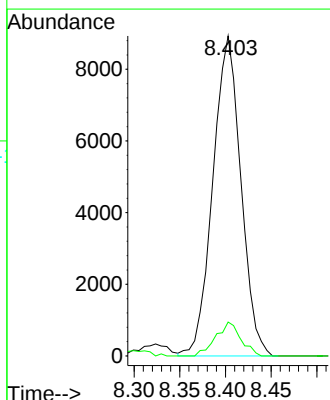
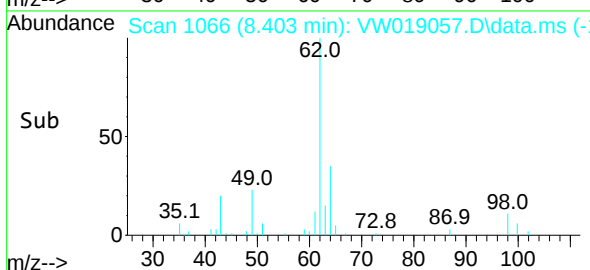
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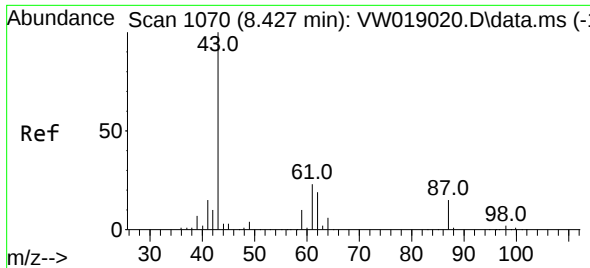


#42  
1,2-Dichloroethane  
Concen: 3.95 ug/l  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



| Tgt Ion:  | 62  | Resp: | 19045 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 98        | 9.4 | 0.0   | 18.0  |





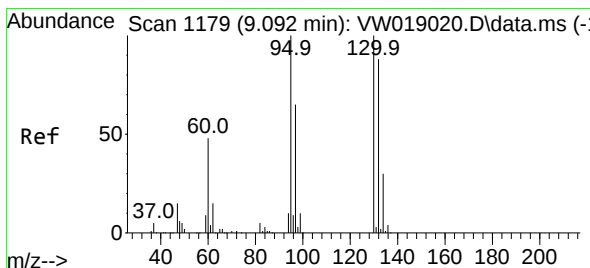
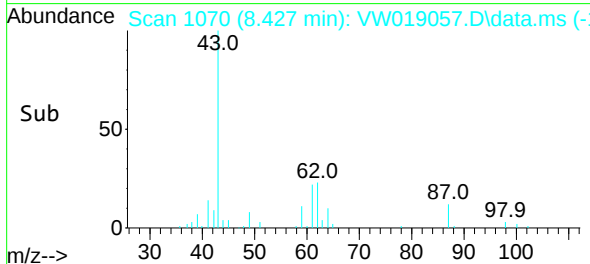
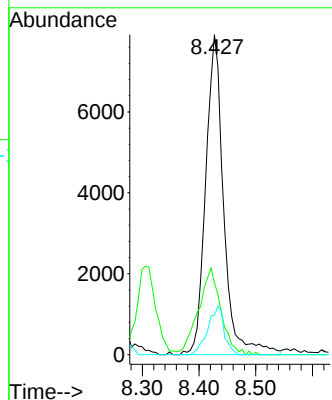
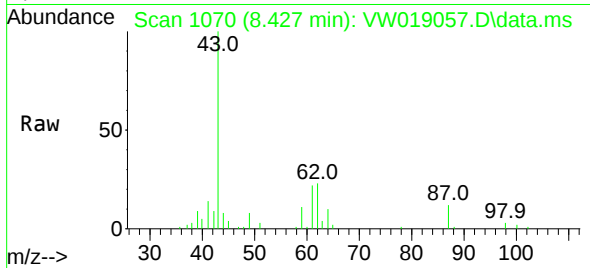
#43  
Isopropyl Acetate  
Concen: 4.15 ug/l  
RT: 8.427 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 17411 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 34.0  | 27.0  | 40.6  |
| 87        | 13.8  | 11.6  | 17.4  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

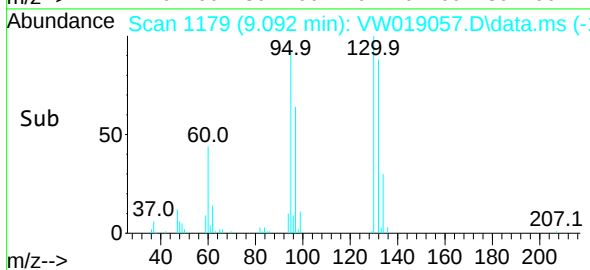
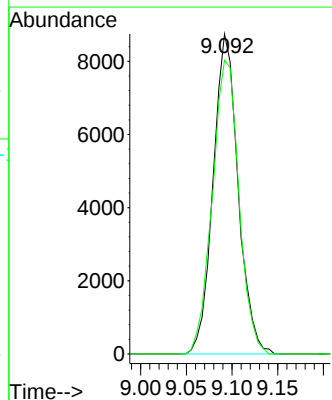
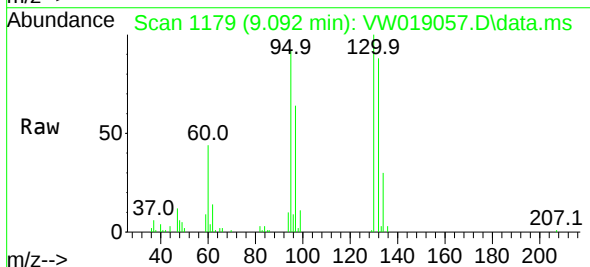
Manual Integrations  
APPROVED

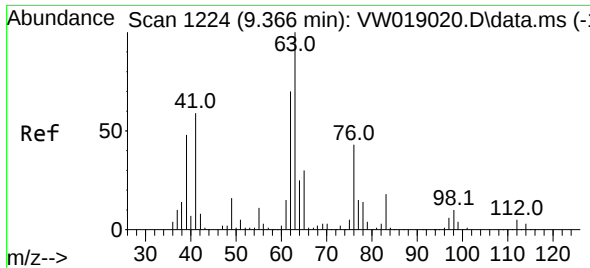
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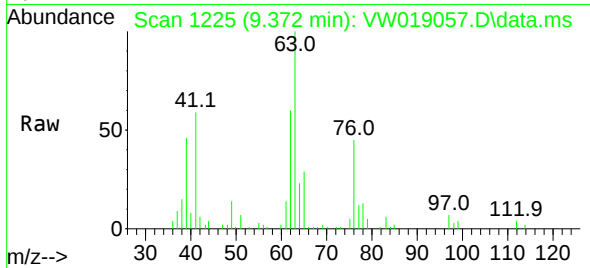
#44  
Trichloroethene  
Concen: 3.96 ug/l  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 16595 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 91.8  | 0.0   | 199.0 |

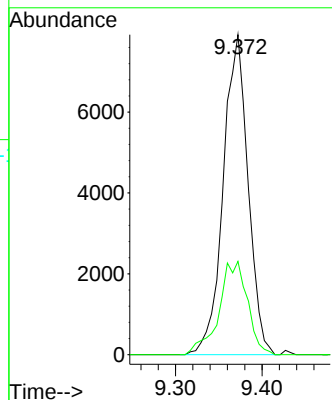
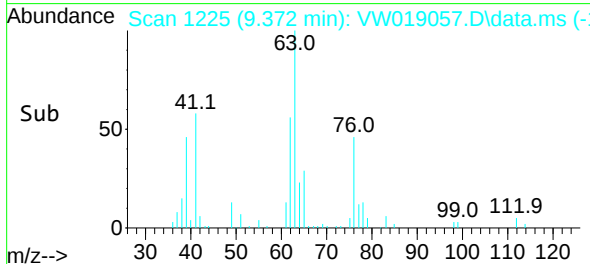




#45  
1,2-Dichloropropane  
Concen: 4.01 ug/l  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



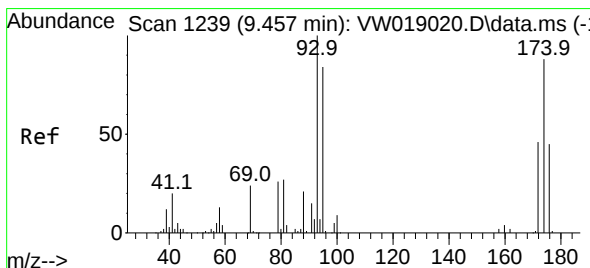
Tgt Ion: 63 Resp: 15766  
Ion Ratio Lower Upper  
63 100  
65 29.1 24.1 36.1



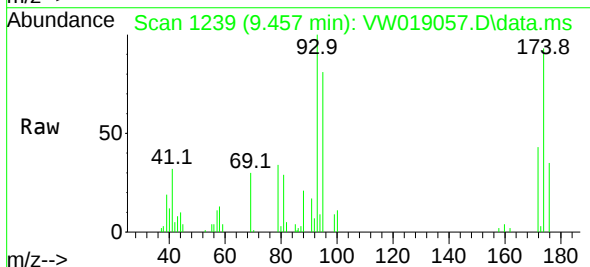
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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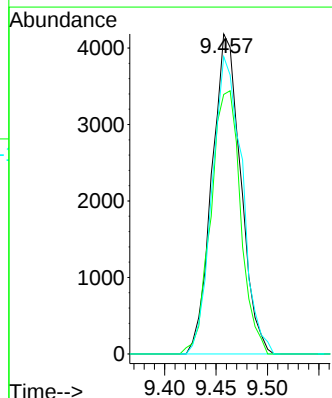
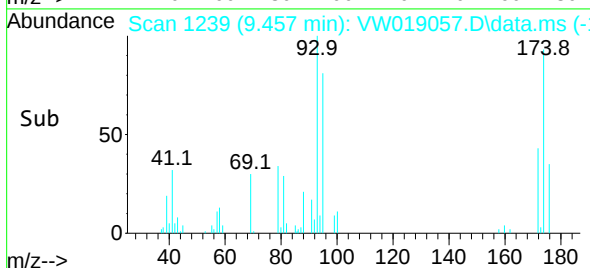
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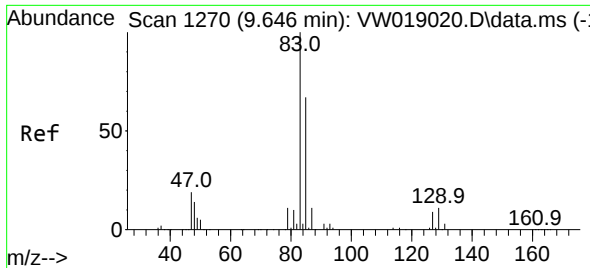


#46  
Dibromomethane  
Concen: 3.81 ug/l  
RT: 9.457 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



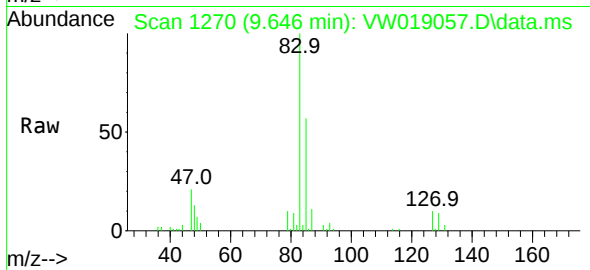
Tgt Ion: 93 Resp: 8129  
Ion Ratio Lower Upper  
93 100  
95 85.1 66.7 100.1  
174 96.7 75.3 112.9





#47  
Bromodichloromethane  
Concen: 3.68 ug/l  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

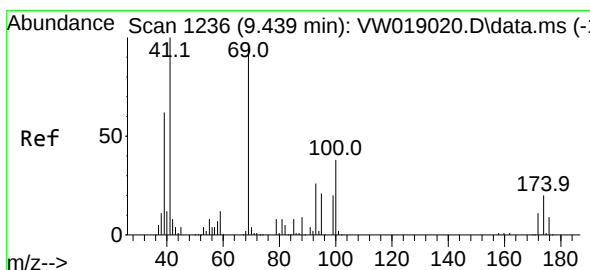
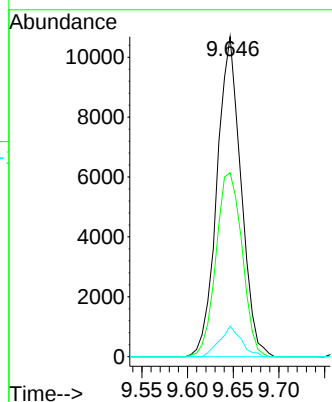
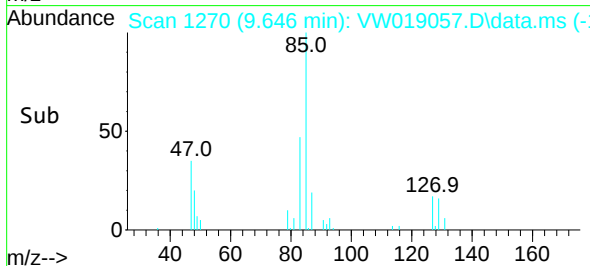
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



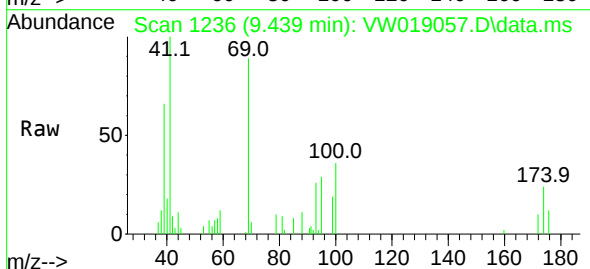
Tgt Ion: 83 Resp: 19528  
Ion Ratio Lower Upper  
83 100  
85 57.5 53.4 80.2  
127 9.6 7.0 10.6

Manual Integrations  
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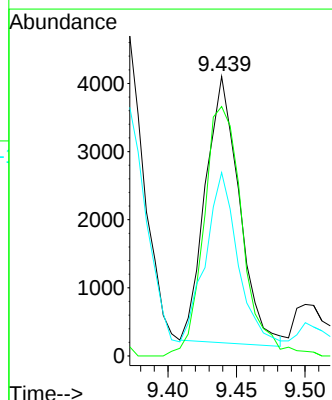
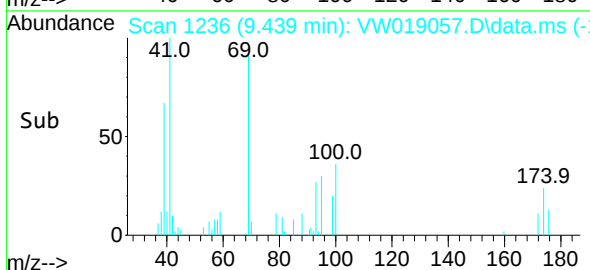
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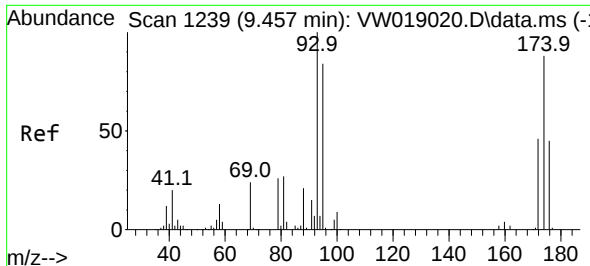


#48  
Methyl methacrylate  
Concen: 3.49 ug/l  
RT: 9.439 min Scan# 1236  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



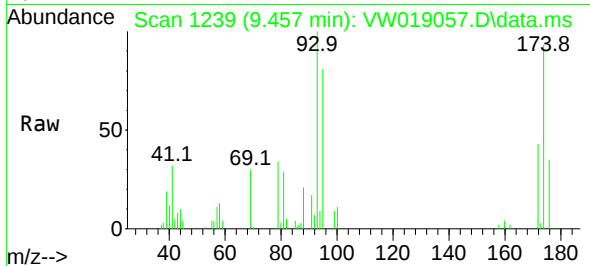
Tgt Ion: 41 Resp: 6728  
Ion Ratio Lower Upper  
41 100  
69 107.1 80.2 120.2  
39 60.9 51.5 77.3





#49  
1,4-Dioxane  
Concen: 80.86 ug/l  
RT: 9.457 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

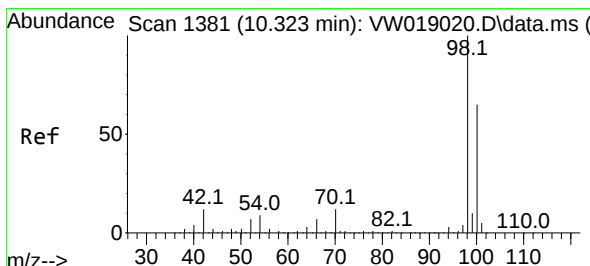
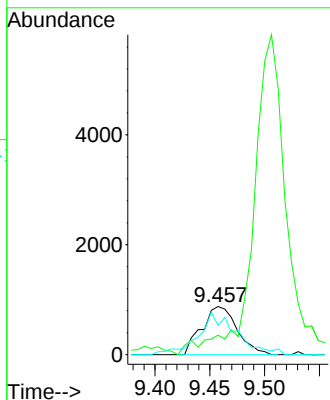
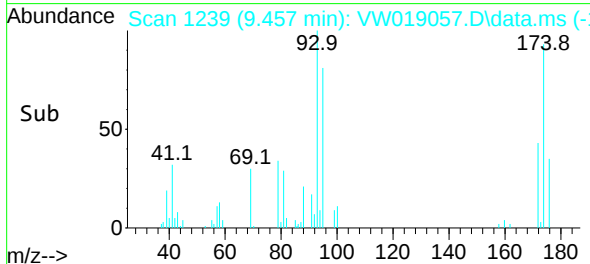
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



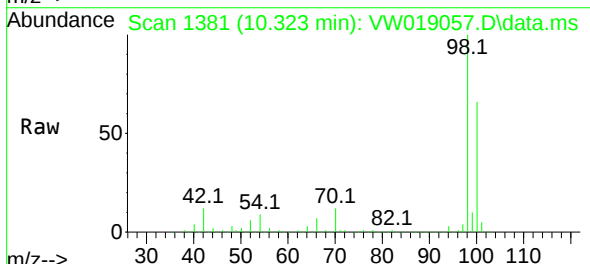
Tgt Ion: 88 Resp: 1967  
Ion Ratio Lower Upper  
88 100  
43 0.0 22.1 33.1#  
58 94.8 55.4 83.2#

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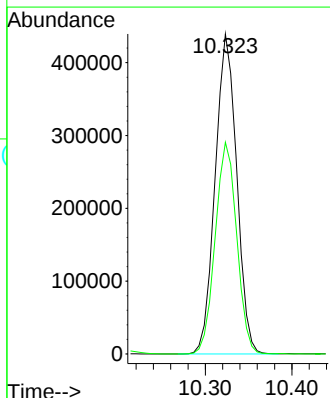
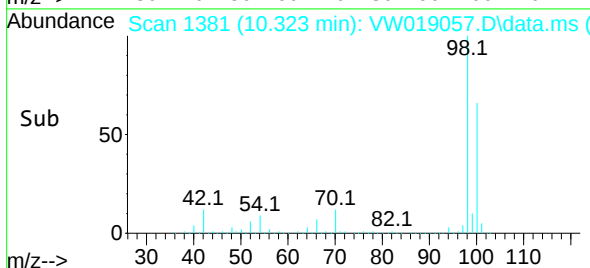
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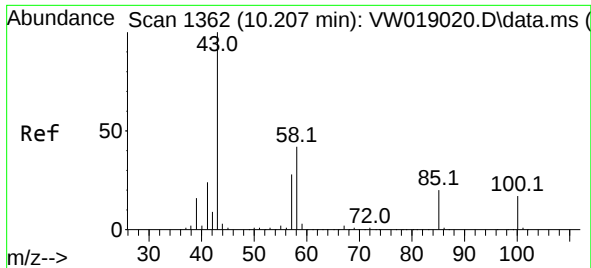


#50  
Toluene-d8  
Concen: 59.34 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



Tgt Ion: 98 Resp: 759114  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.0 78.0





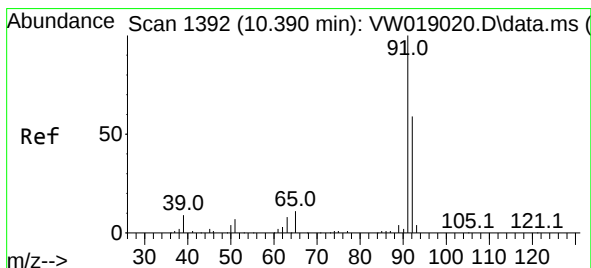
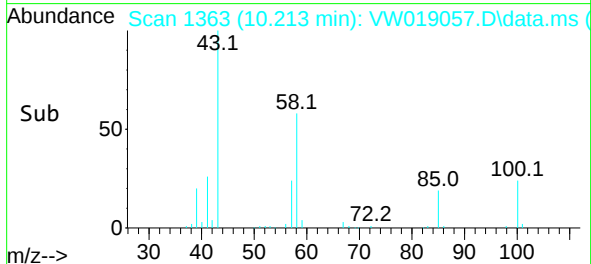
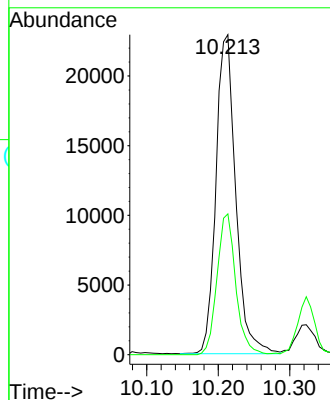
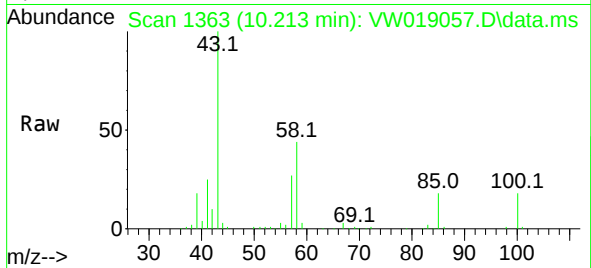
#51  
4-Methyl-2-Pentanone  
Concen: 20.22 ug/l  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 43 Resp: 43927  
Ion Ratio Lower Upper  
43 100  
58 42.0 34.2 51.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

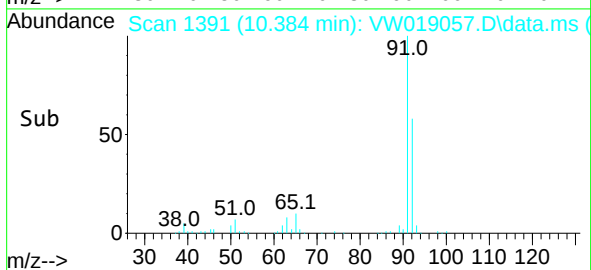
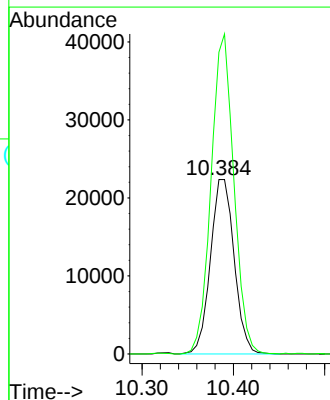
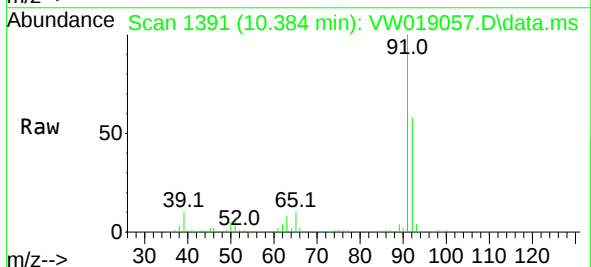
Manual Integrations  
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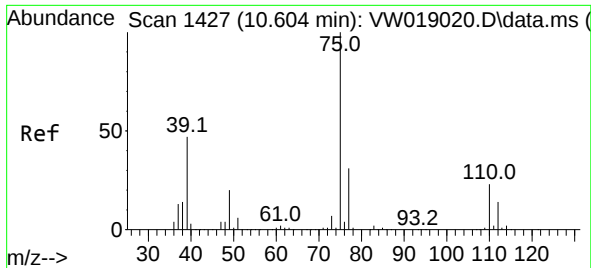
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#52  
Toluene  
Concen: 3.92 ug/l  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 92 Resp: 40354  
Ion Ratio Lower Upper  
92 100  
91 175.8 137.4 206.0





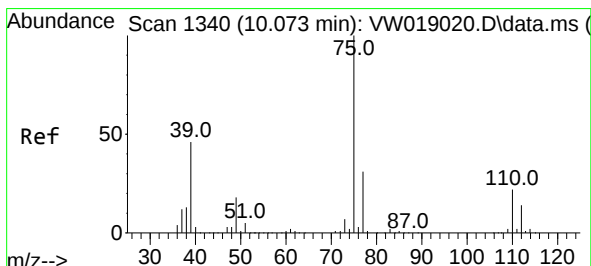
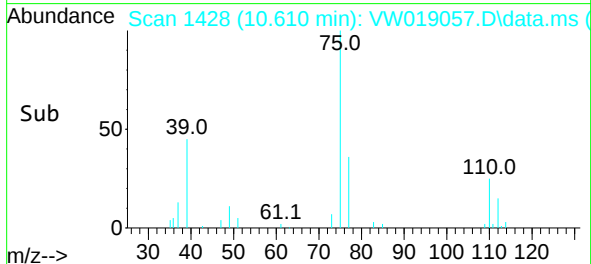
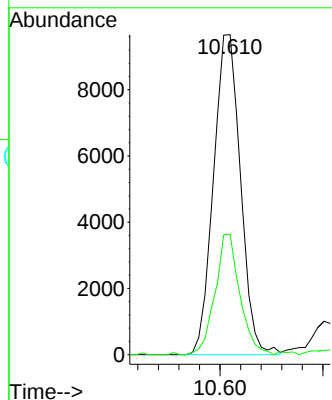
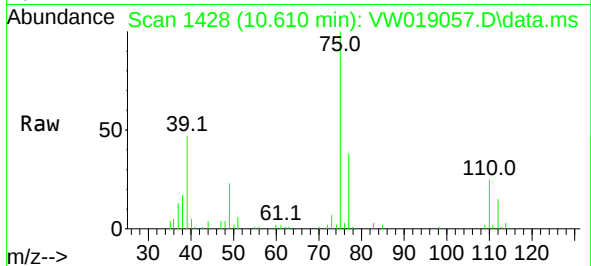
#53  
 t-1,3-Dichloropropene  
 Concen: 3.37 ug/l  
 RT: 10.610 min Scan# 1428  
 Delta R.T. 0.006 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

Tgt Ion: 75 Resp: 17600  
 Ion Ratio Lower Upper  
 75 100  
 77 37.6 24.8 37.2#

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

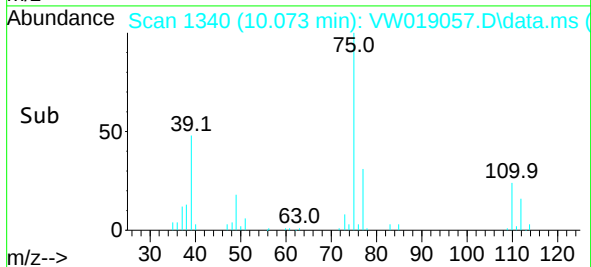
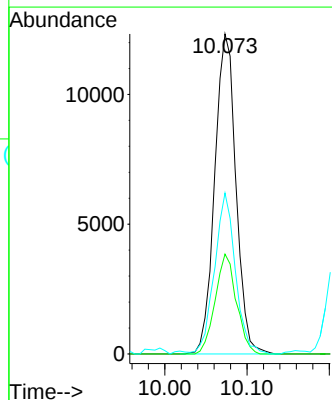
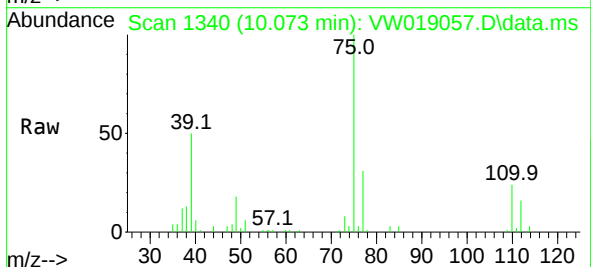
Manual Integrations  
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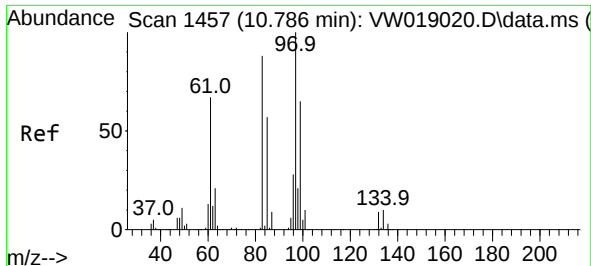
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#54  
 cis-1,3-Dichloropropene  
 Concen: 3.55 ug/l  
 RT: 10.073 min Scan# 1340  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

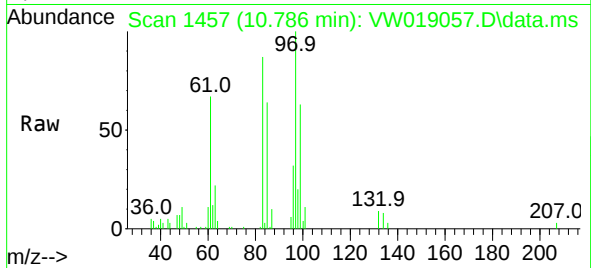
Tgt Ion: 75 Resp: 22087  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.0 37.6  
 39 50.3 36.9 55.3





#55  
1,1,2-Trichloroethane  
Concen: 4.02 ug/l  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

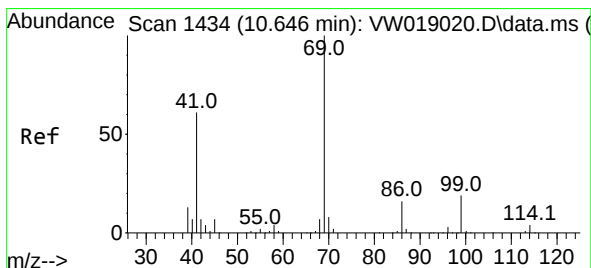
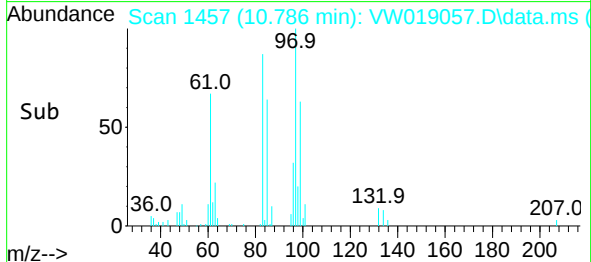
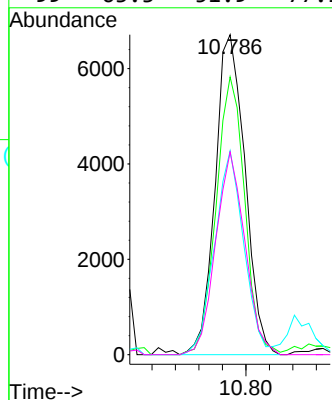
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



| Tgt Ion: | 97    | Resp: | 11862 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.8  | 70.6  | 106.0 |
| 85       | 63.7  | 45.8  | 68.6  |
| 99       | 63.3  | 51.9  | 77.9  |

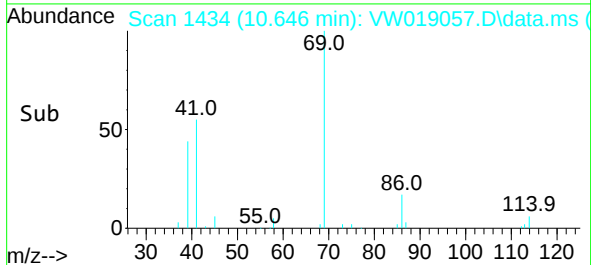
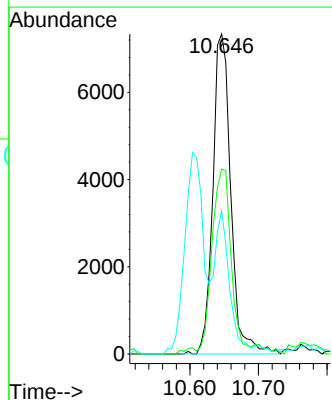
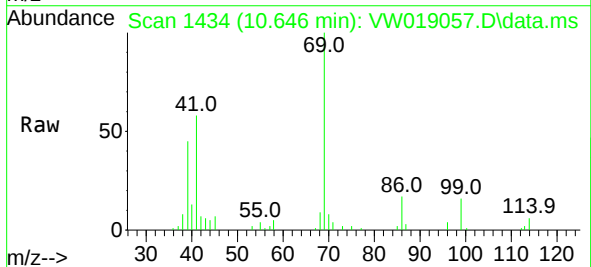
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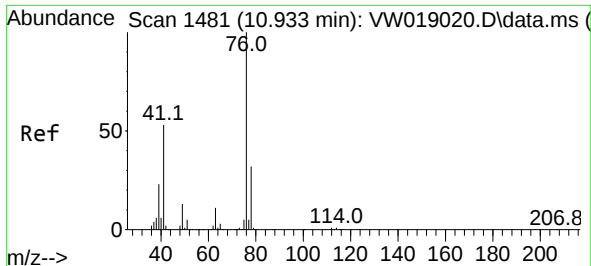
MMDadoda  
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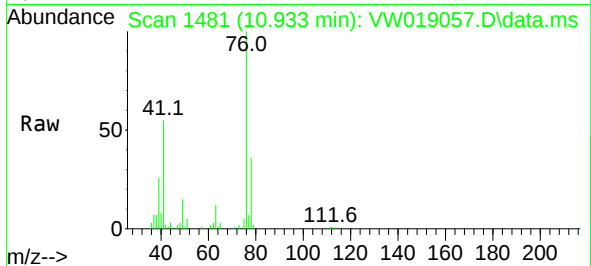
#56  
Ethyl methacrylate  
Concen: 3.60 ug/l  
RT: 10.646 min Scan# 1434  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

| Tgt Ion: | 69    | Resp: | 13346 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.9  | 48.7  | 73.1  |
| 39       | 39.3  | 29.0  | 43.4  |

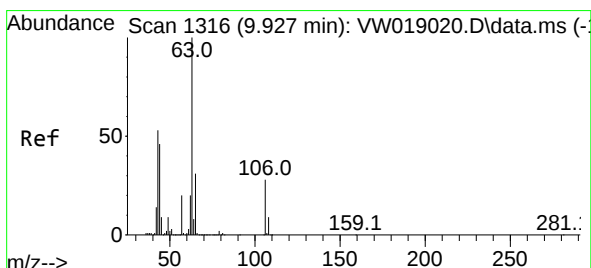
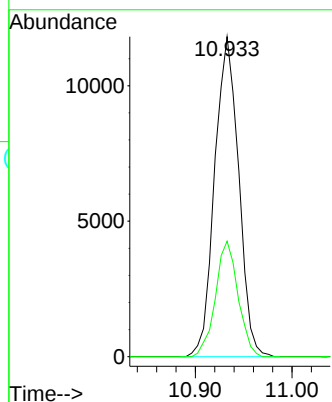
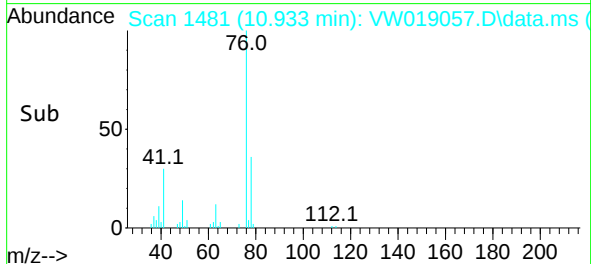




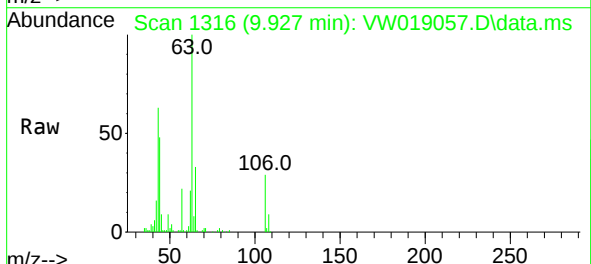
#57  
1,3-Dichloropropane  
Concen: 3.85 ug/l  
RT: 10.933 min Scan# 1481  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



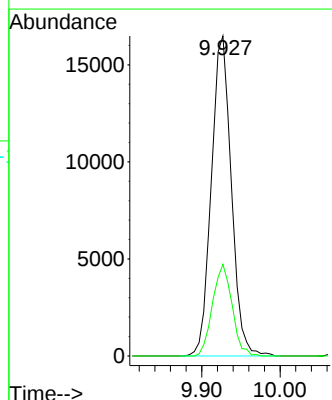
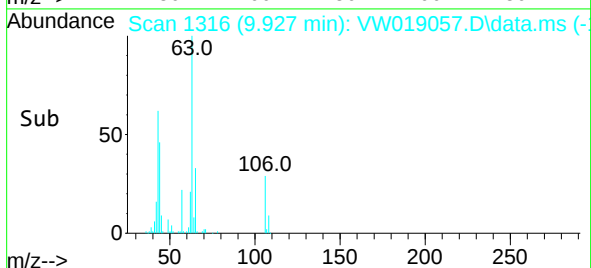
Tgt Ion: 76 Resp: 20336  
Ion Ratio Lower Upper  
76 100  
78 34.0 25.5 38.3



#58  
2-Chloroethyl Vinyl ether  
Concen: 15.24 ug/l  
RT: 9.927 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



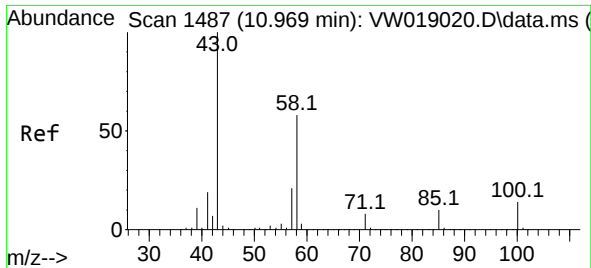
Tgt Ion: 63 Resp: 29195  
Ion Ratio Lower Upper  
63 100  
106 27.9 22.3 33.5



Instrument :  
MSVOA\_W  
ClientSampleId :  
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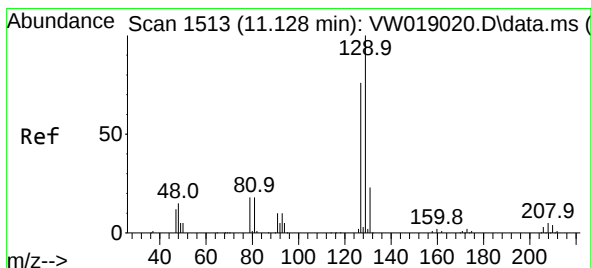
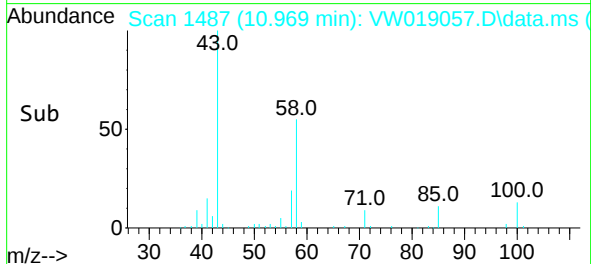
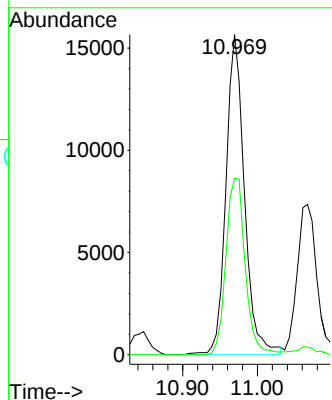
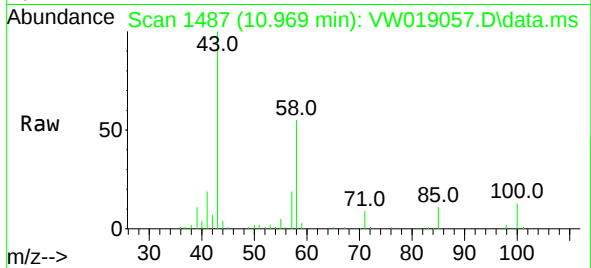
#59  
2-Hexanone  
Concen: 18.66 ug/l  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion: 43 Resp: 26955  
Ion Ratio Lower Upper  
43 100  
58 57.5 29.0 87.1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

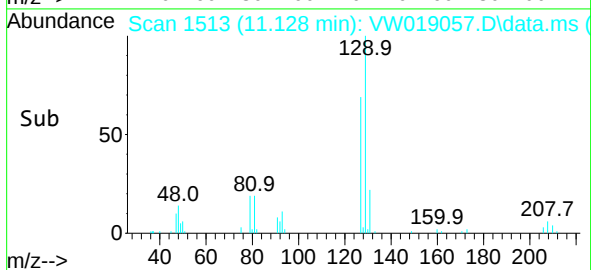
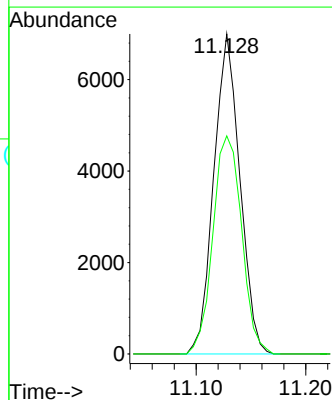
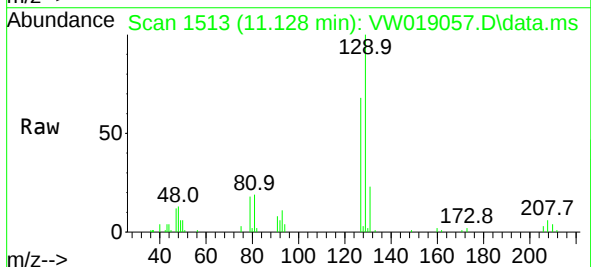
Manual Integrations  
APPROVED

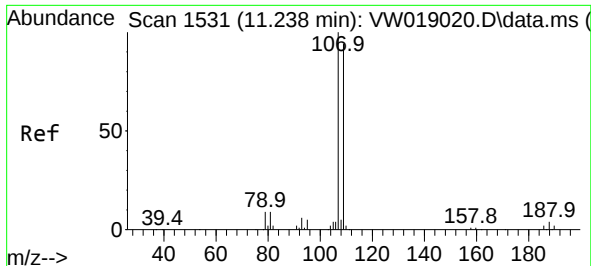
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#60  
Dibromochloromethane  
Concen: 3.51 ug/l  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

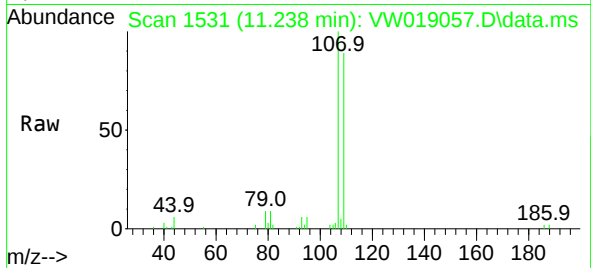
Tgt Ion:129 Resp: 11570  
Ion Ratio Lower Upper  
129 100  
127 75.1 38.2 114.6





#61  
1,2-Dibromoethane  
Concen: 3.82 ug/l  
RT: 11.238 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

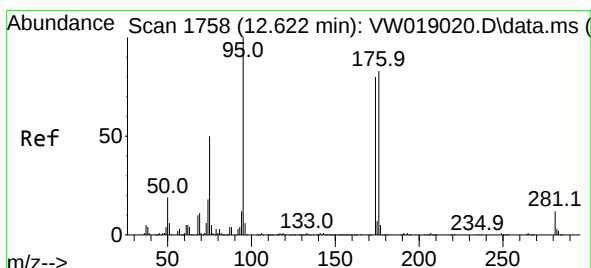
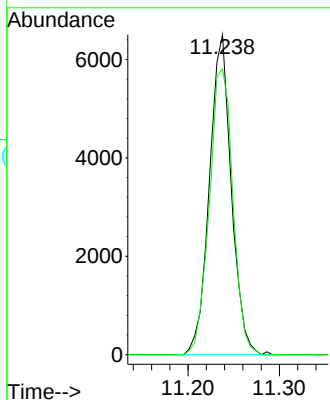
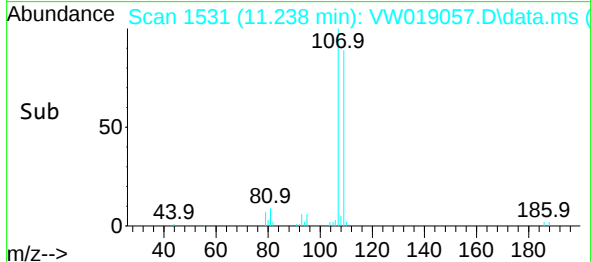
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



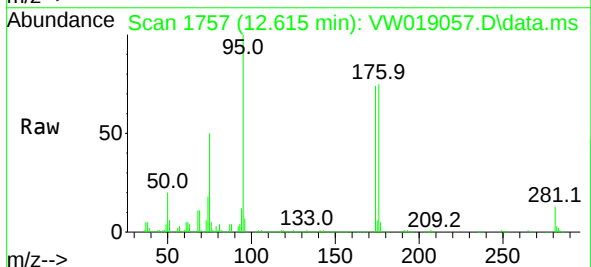
Tgt Ion:107 Resp: 10825  
Ion Ratio Lower Upper  
107 100  
109 96.1 73.9 110.9

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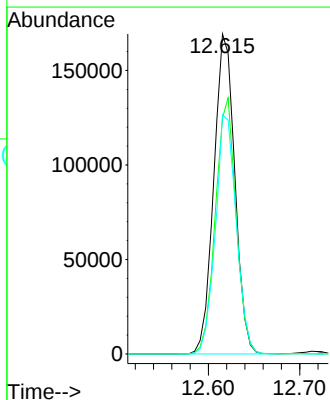
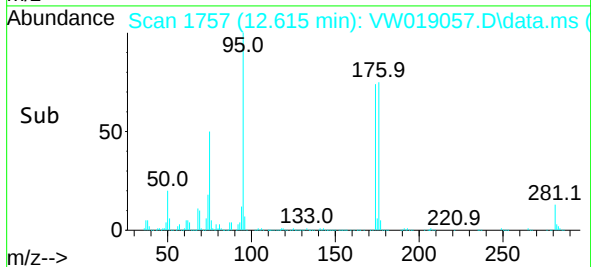
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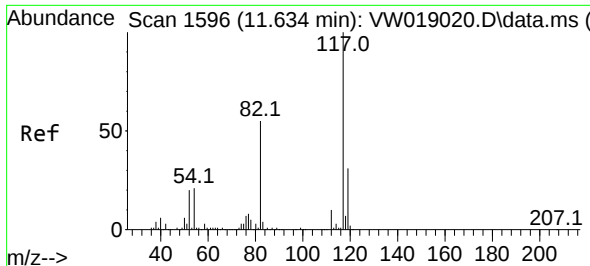


#62  
4-Bromofluorobenzene  
Concen: 58.59 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.007 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



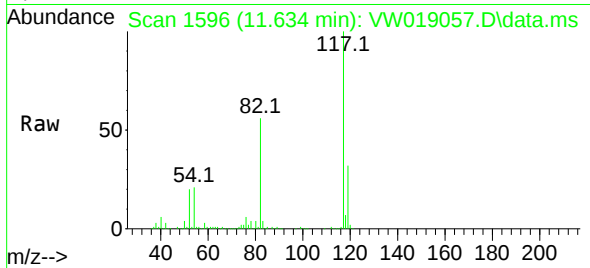
Tgt Ion: 95 Resp: 270185  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 156.2  
176 74.3 0.0 160.8





#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

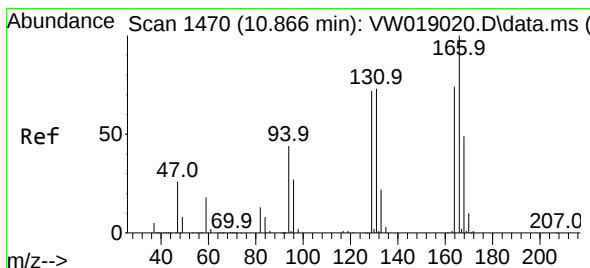
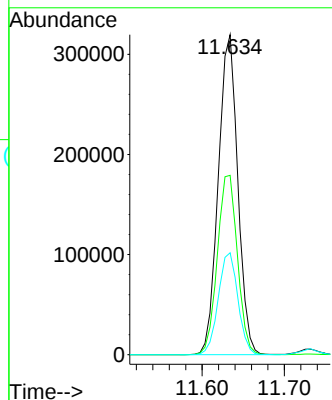
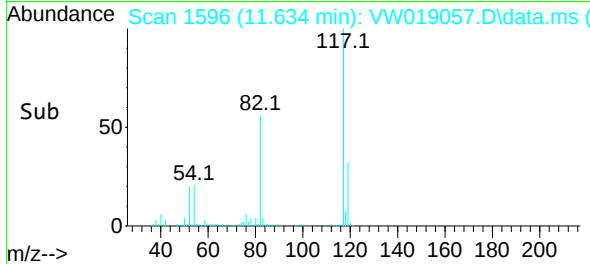
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



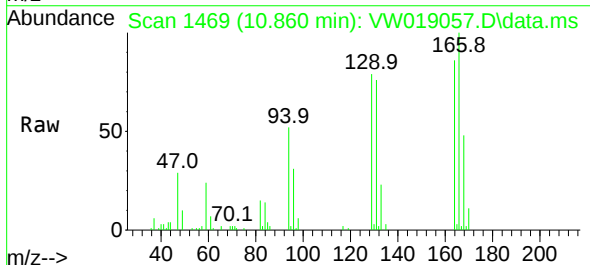
Tgt Ion:117 Resp: 525547  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.4 66.6  
119 31.9 24.6 36.8

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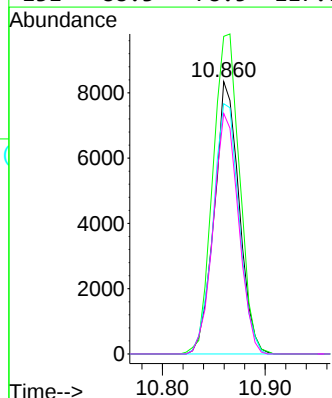
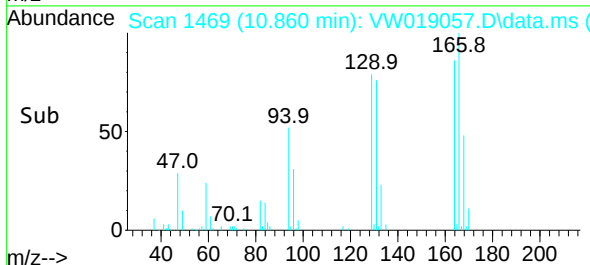
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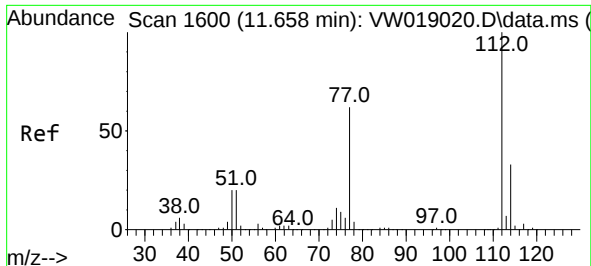


#64  
Tetrachloroethene  
Concen: 4.09 ug/l  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



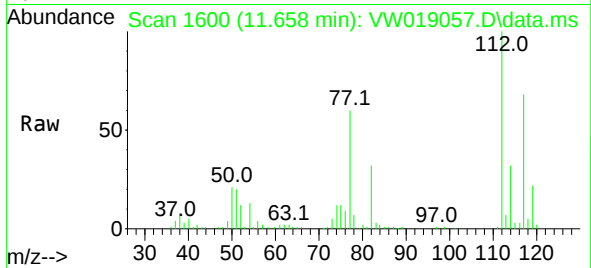
Tgt Ion:164 Resp: 13972  
Ion Ratio Lower Upper  
164 100  
166 116.6 107.8 161.8  
129 91.9 77.3 115.9  
131 88.3 78.5 117.7





#65  
Chlorobenzene  
Concen: 3.89 ug/l  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

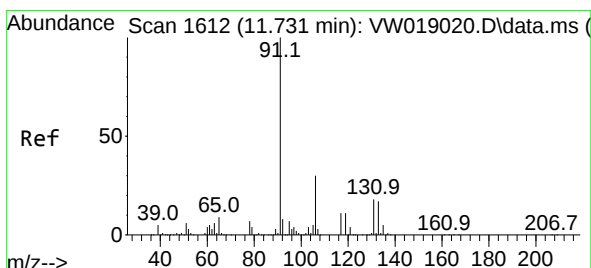
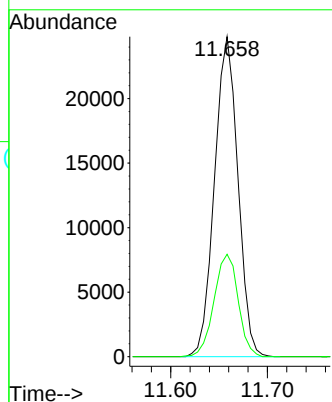
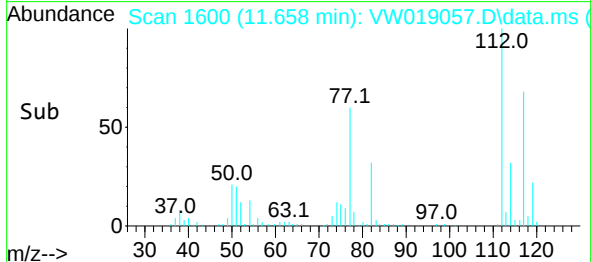
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



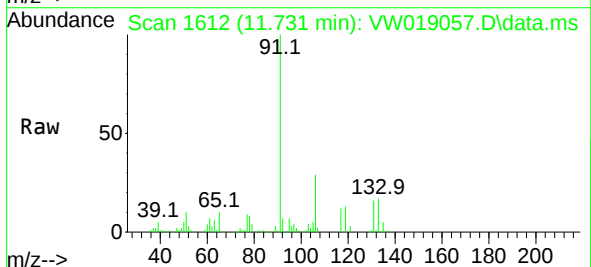
Tgt Ion:112 Resp: 41639  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.4 39.6

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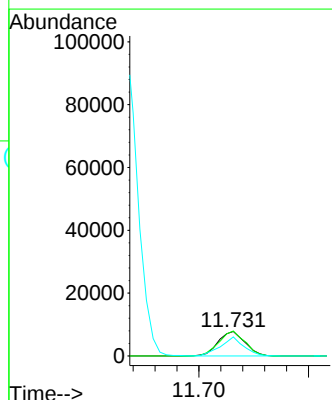
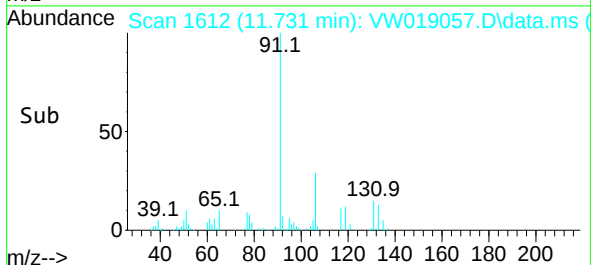
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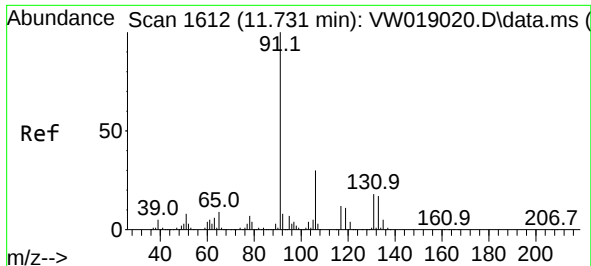


#66  
1,1,1,2-Tetrachloroethane  
Concen: 3.62 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



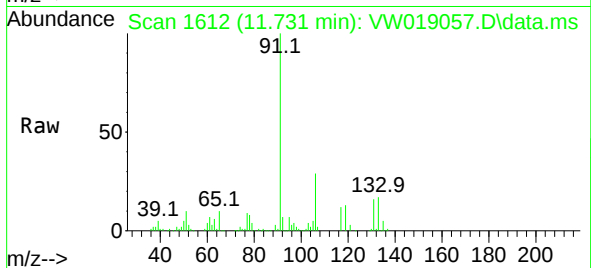
Tgt Ion:131 Resp: 13220  
Ion Ratio Lower Upper  
131 100  
133 99.7 48.1 144.3  
119 67.9 33.1 99.2





#67  
Ethyl Benzene  
Concen: 3.80 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

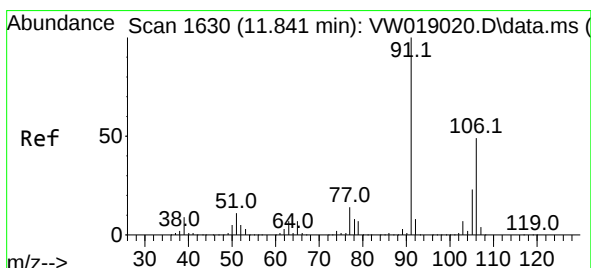
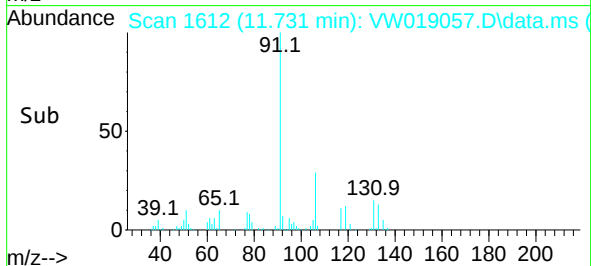
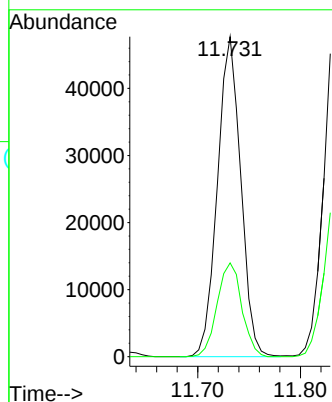
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



Tgt Ion: 91 Resp: 75096  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.0 36.0

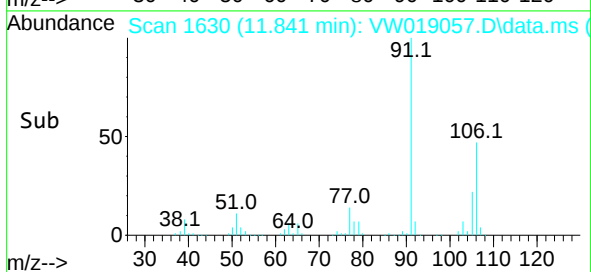
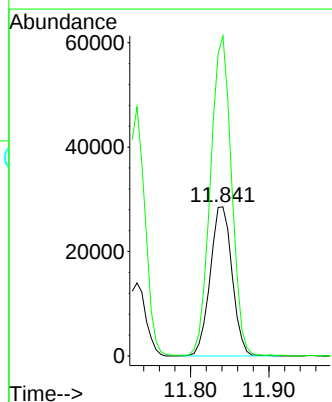
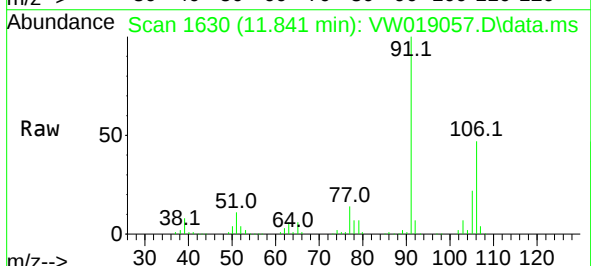
Manual Integrations  
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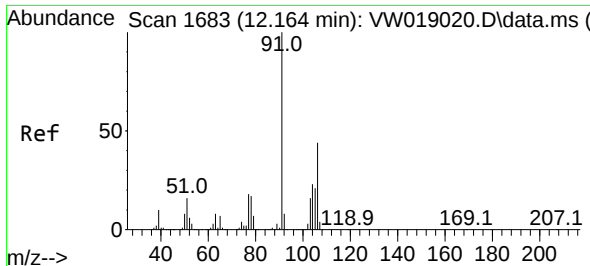
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#68  
m/p-Xylenes  
Concen: 7.47 ug/l  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

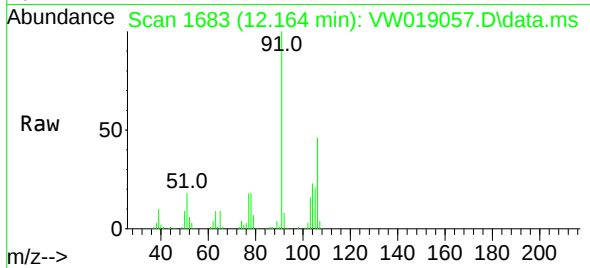
Tgt Ion: 106 Resp: 55474  
Ion Ratio Lower Upper  
106 100  
91 205.6 164.2 246.2





#69  
o-Xylene  
Concen: 3.57 ug/l  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

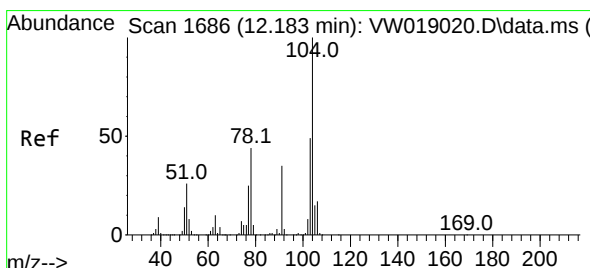
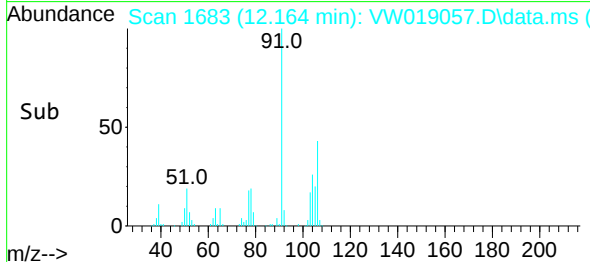
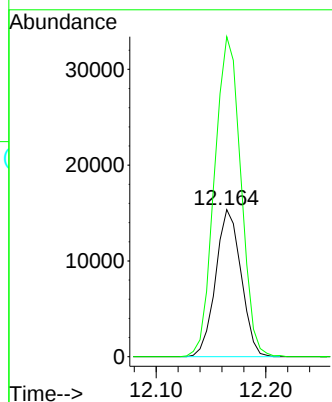
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



Tgt Ion:106 Resp: 24730  
Ion Ratio Lower Upper  
106 100  
91 225.9 109.1 327.2

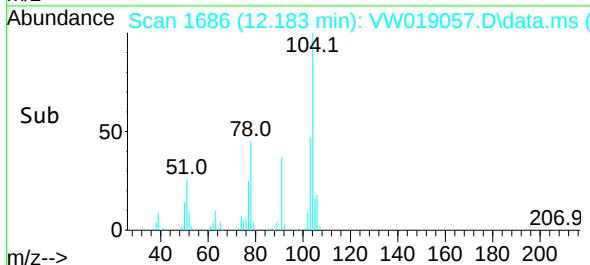
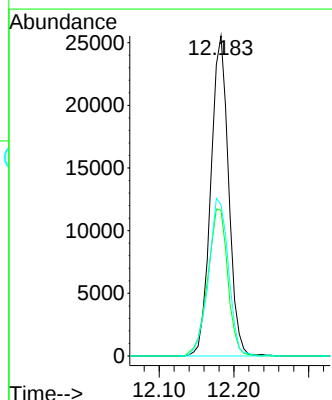
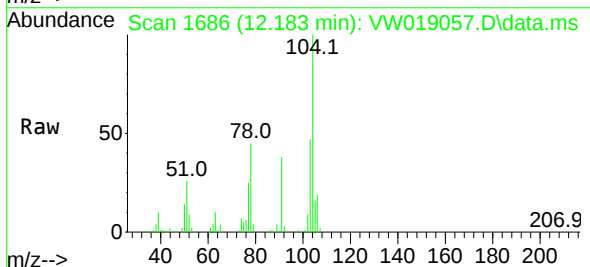
Manual Integrations  
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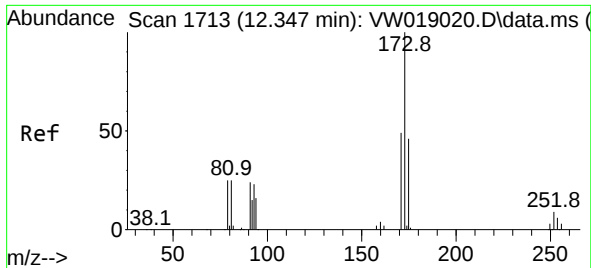
MMDadoda  
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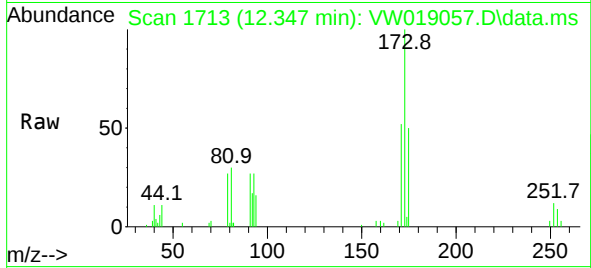
#70  
Styrene  
Concen: 3.59 ug/l  
RT: 12.183 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

Tgt Ion:104 Resp: 42160  
Ion Ratio Lower Upper  
104 100  
78 51.8 41.3 61.9  
103 54.8 44.1 66.1

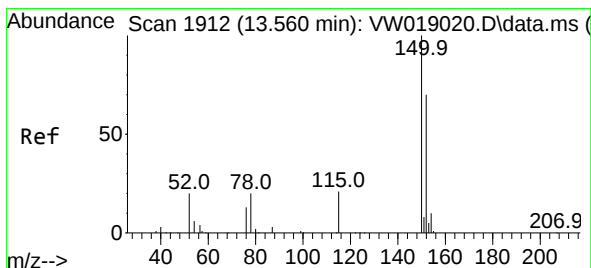
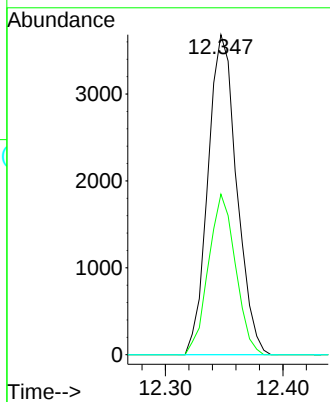
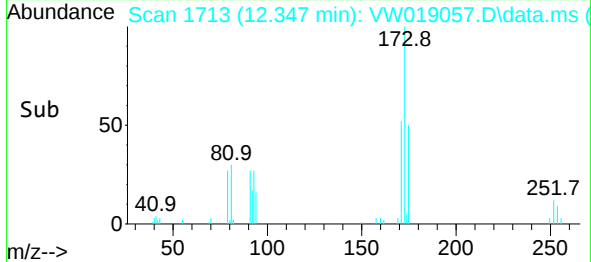




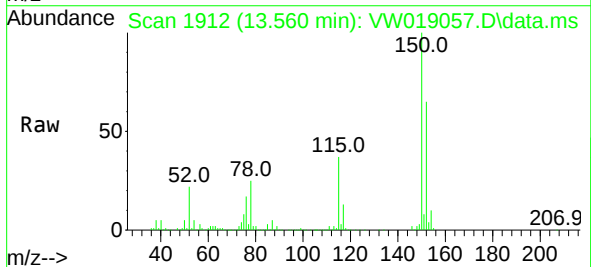
#71  
Bromoform  
Concen: 3.42 ug/l  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



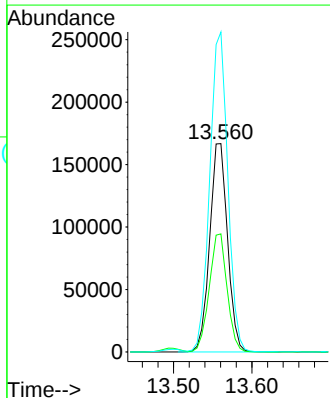
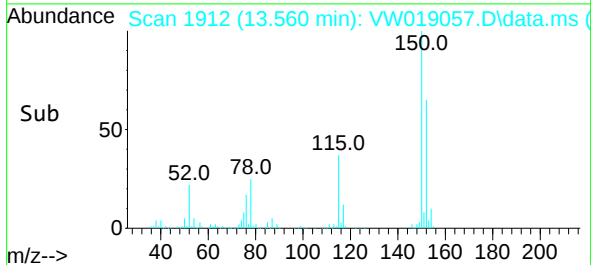
Tgt Ion:173 Resp: 6256  
Ion Ratio Lower Upper  
173 100  
175 47.3 24.6 73.8  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.560 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



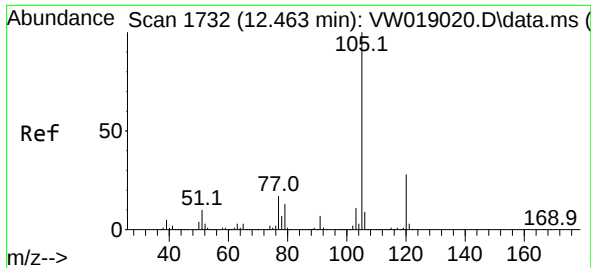
Tgt Ion:152 Resp: 263394  
Ion Ratio Lower Upper  
152 100  
115 56.8 30.3 90.8  
150 155.2 0.0 356.0



Instrument :  
MSVOA\_W  
ClientSampleId :  
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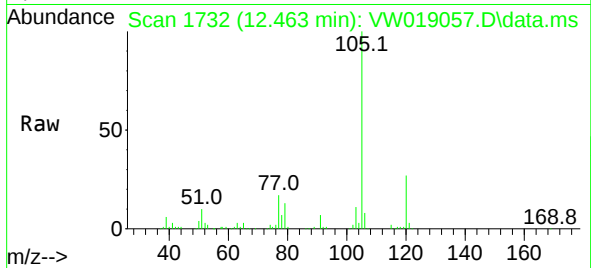
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#73  
Isopropylbenzene  
Concen: 3.58 ug/l  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

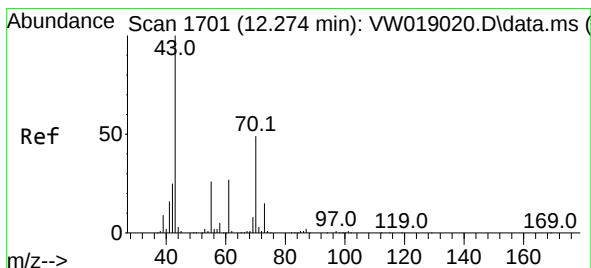
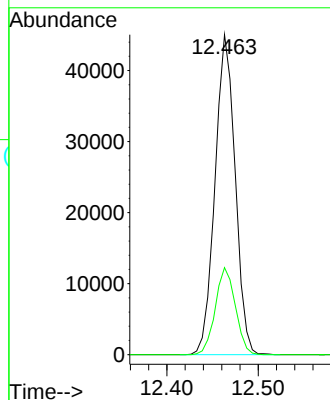
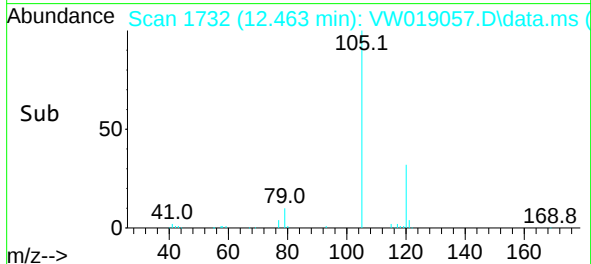
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



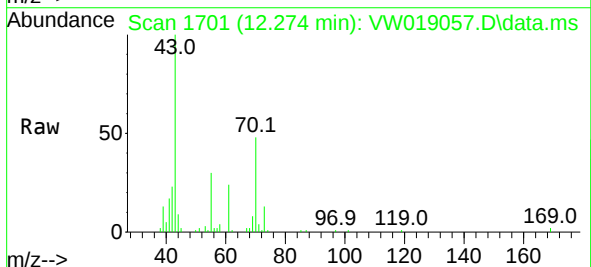
Tgt Ion:105 Resp: 69172  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.2 39.5

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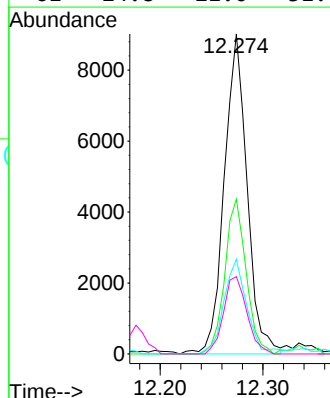
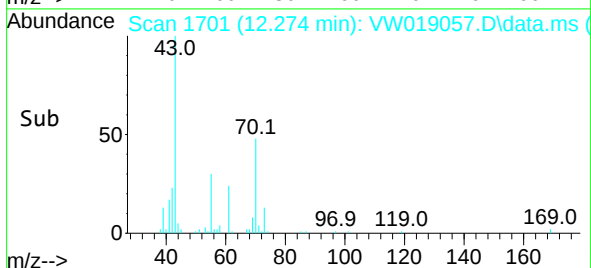
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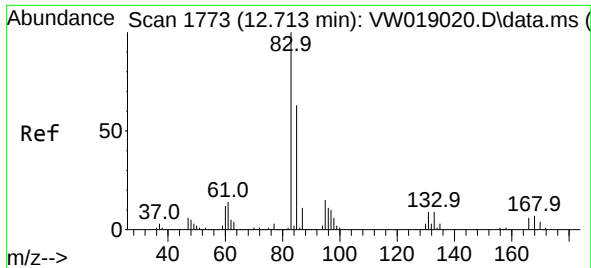


#74  
N-ethyl acetate  
Concen: 3.48 ug/l  
RT: 12.274 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

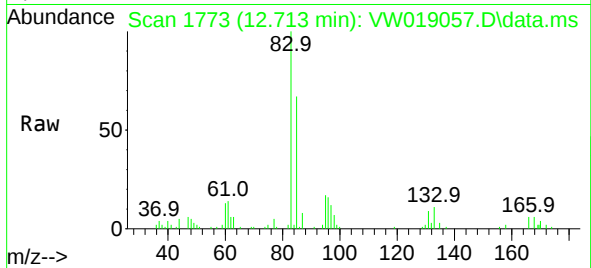


Tgt Ion: 43 Resp: 13873  
Ion Ratio Lower Upper  
43 100  
70 45.2 38.4 57.6  
55 29.1 21.6 32.4  
61 24.8 21.0 31.4

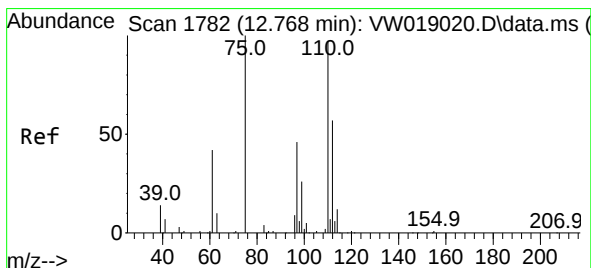
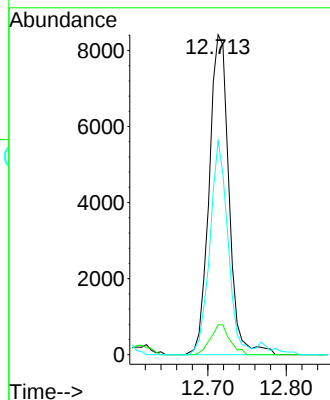
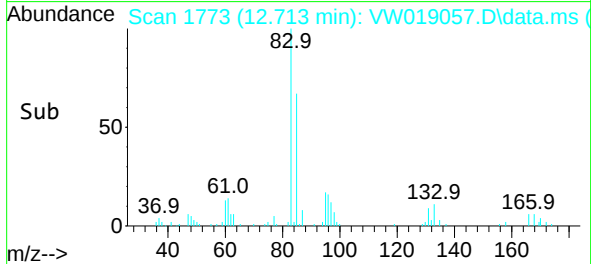




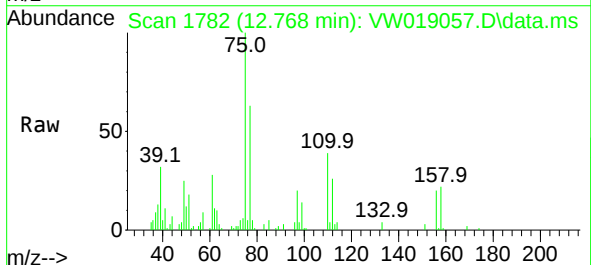
#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.26 ug/l  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



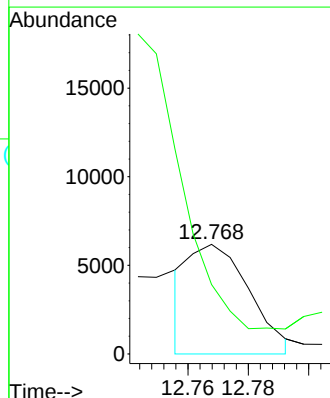
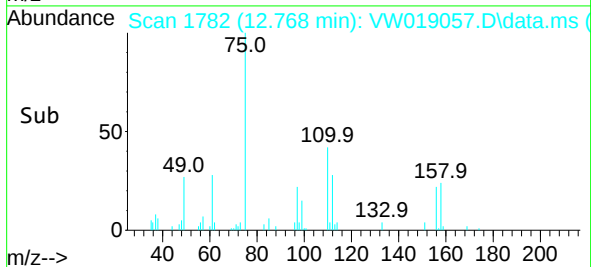
Tgt Ion: 83 Resp: 14720  
Ion Ratio Lower Upper  
83 100  
131 9.2 5.1 15.2  
85 61.2 31.6 94.8



#76  
1,2,3-Trichloropropane  
Concen: 3.47 ug/l m  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



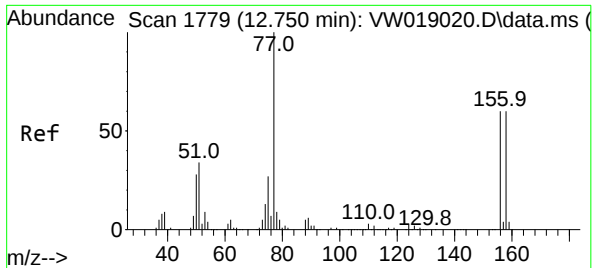
Tgt Ion: 75 Resp: 8639  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



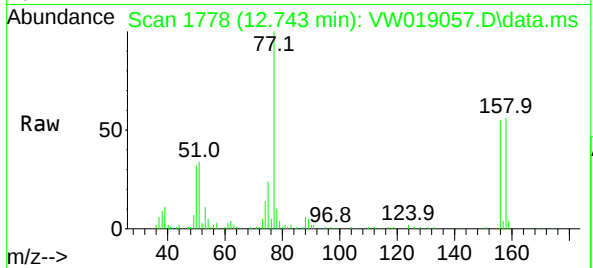
Instrument :  
MSVOA\_W  
ClientSampleId :  
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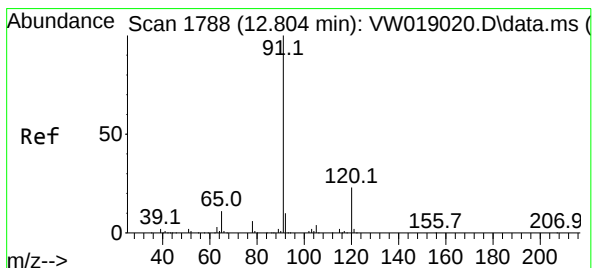
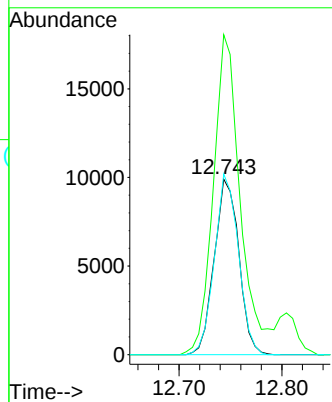
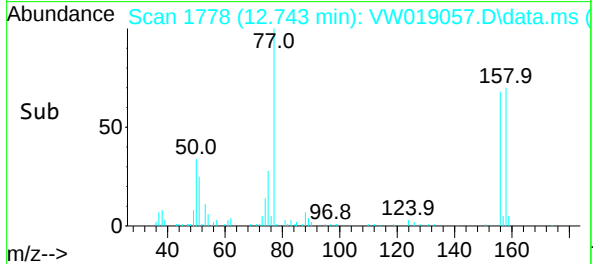
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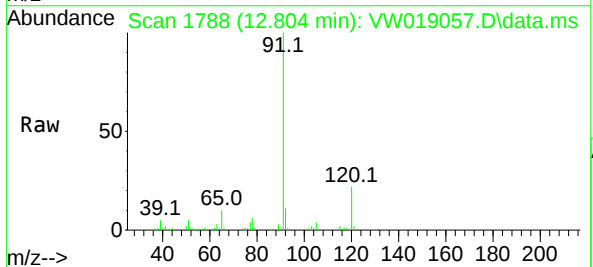
#77  
Bromobenzene  
Concen: 3.87 ug/l  
RT: 12.743 min Scan# 1778  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



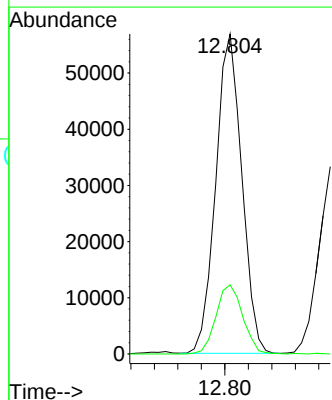
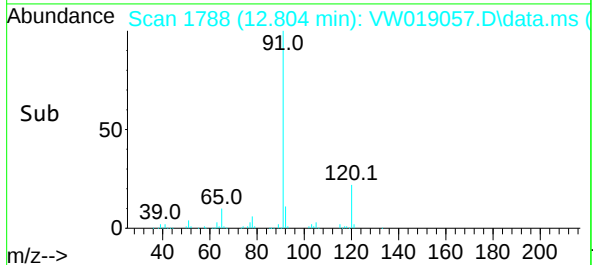
Tgt Ion: 156 Resp: 16463  
Ion Ratio Lower Upper  
156 100  
77 200.1 96.7 290.0  
158 100.2 48.4 145.3



#78  
n-propylbenzene  
Concen: 3.71 ug/l  
RT: 12.804 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



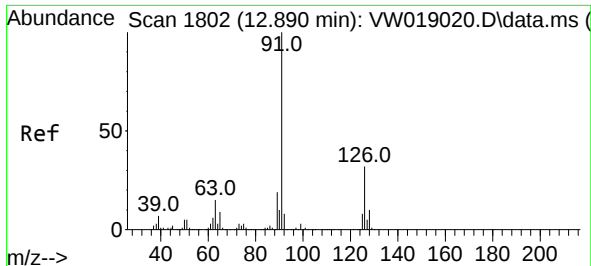
Tgt Ion: 91 Resp: 87461  
Ion Ratio Lower Upper  
91 100  
120 22.1 11.1 33.3



Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

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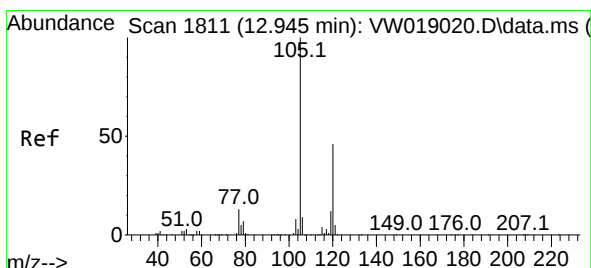
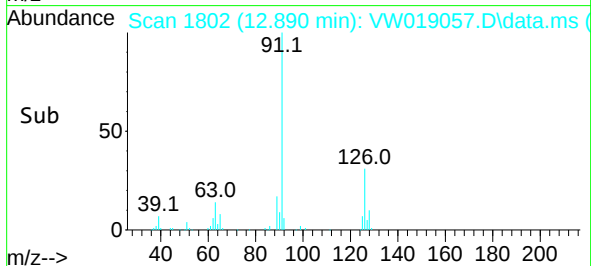
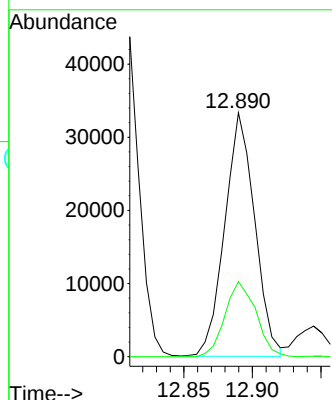
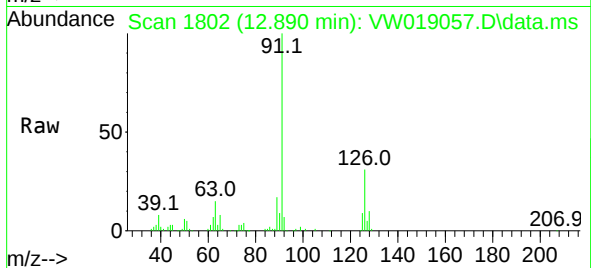
#79  
2-Chlorotoluene  
Concen: 3.77 ug/l  
RT: 12.890 min Scan# 1802  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
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Tgt Ion: 91 Resp: 50712  
Ion Ratio Lower Upper  
91 100  
126 31.8 16.5 49.5

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

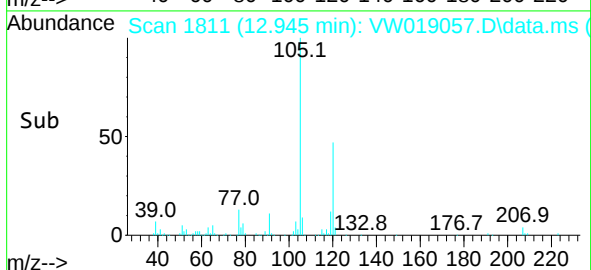
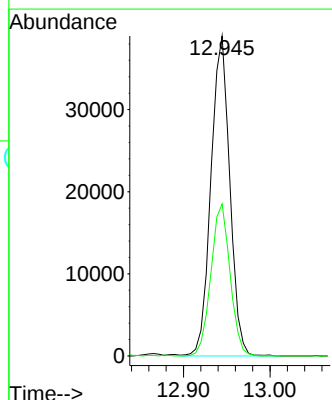
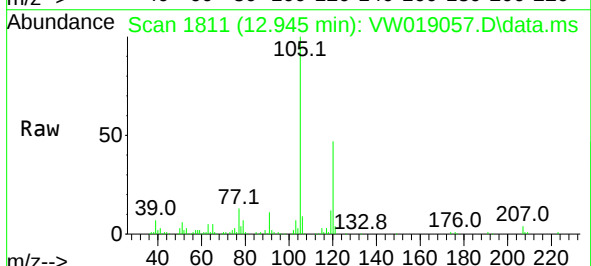
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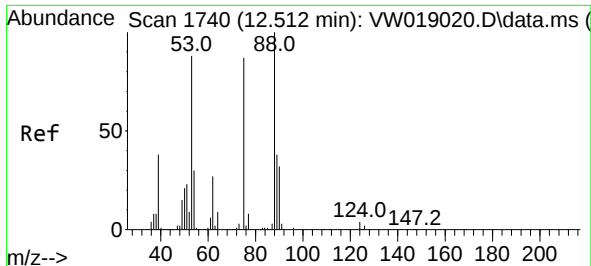
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#80  
1,3,5-Trimethylbenzene  
Concen: 3.59 ug/l  
RT: 12.945 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

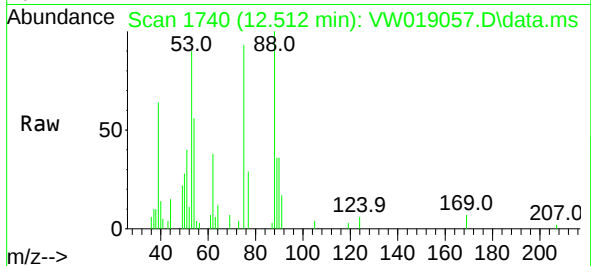
Tgt Ion: 105 Resp: 58760  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.1 72.2





#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.08 ug/l m  
RT: 12.512 min Scan# 1740  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

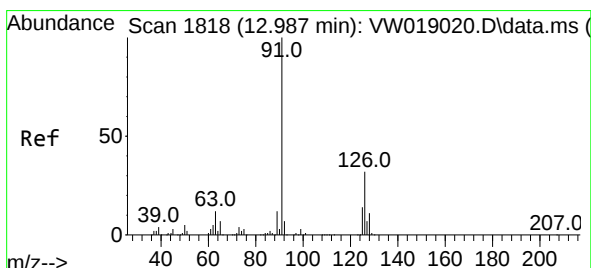
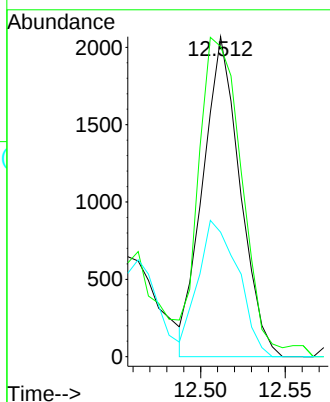
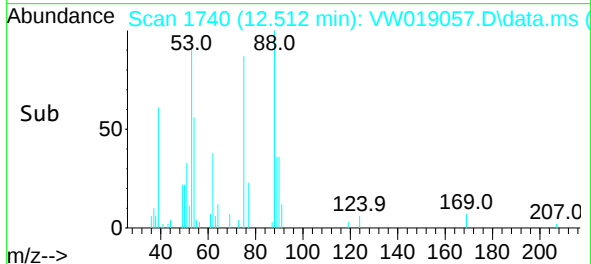
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



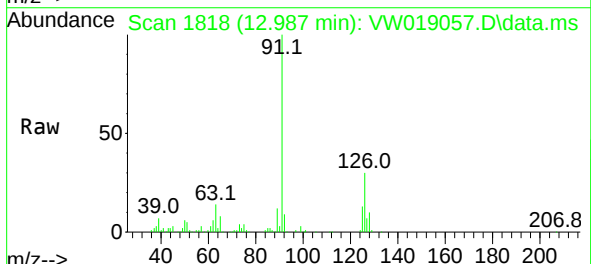
Tgt Ion: 75 Resp: 3146  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.5 122.3#  
89 12.7 36.3 54.5#

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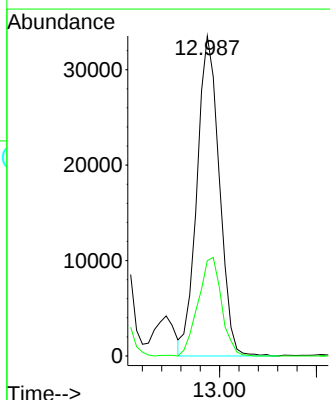
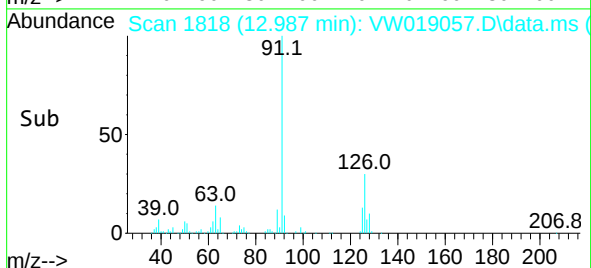
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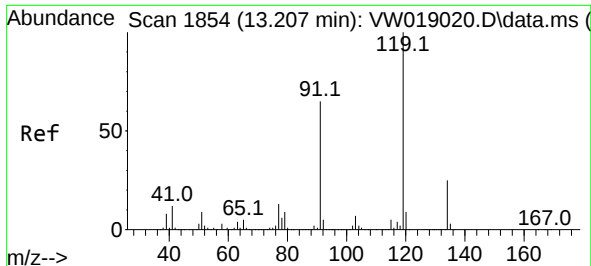


#82  
4-Chlorotoluene  
Concen: 3.77 ug/l  
RT: 12.987 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

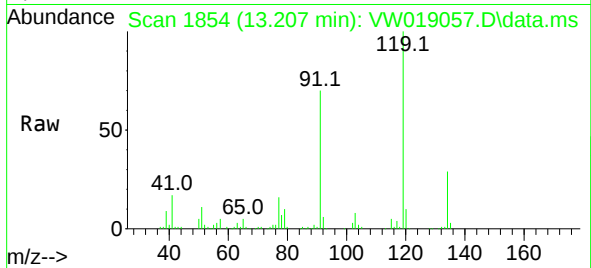


Tgt Ion: 91 Resp: 53835  
Ion Ratio Lower Upper  
91 100  
126 32.3 16.1 48.2

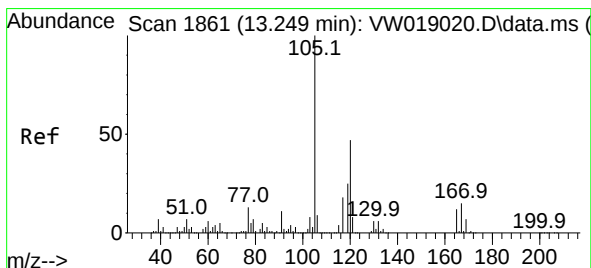
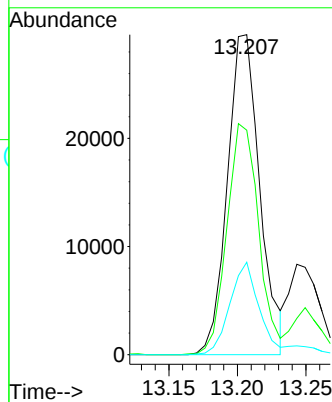
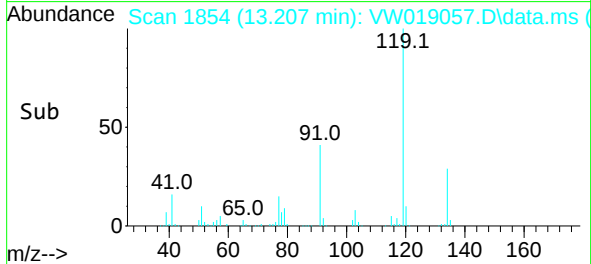




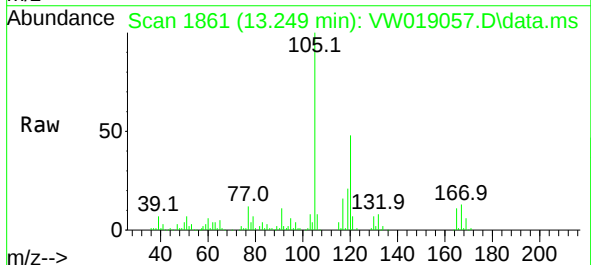
#83  
tert-Butylbenzene  
Concen: 3.53 ug/l  
RT: 13.207 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



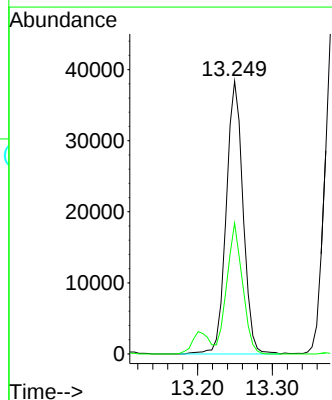
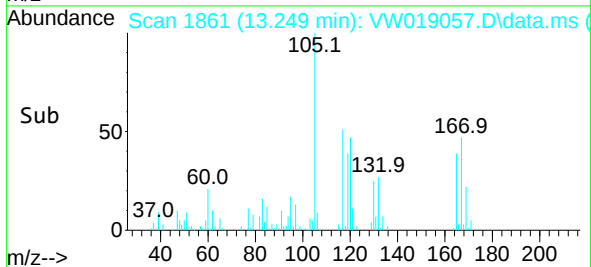
Tgt Ion:119 Resp: 48744  
Ion Ratio Lower Upper  
119 100  
91 70.6 34.0 102.0  
134 26.3 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 3.70 ug/l  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



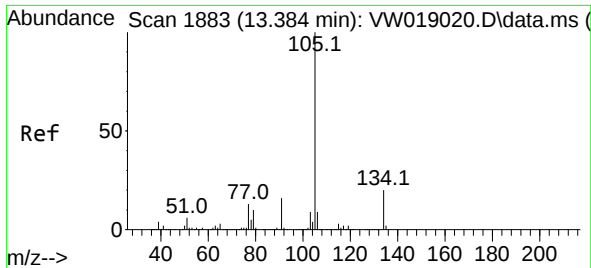
Tgt Ion:105 Resp: 60111  
Ion Ratio Lower Upper  
105 100  
120 45.2 22.4 67.0



Instrument :  
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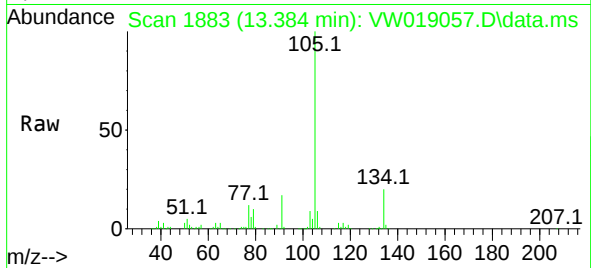
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#85  
 sec-Butylbenzene  
 Concen: 3.66 ug/l  
 RT: 13.384 min Scan# 1883  
 Delta R.T. 0.000 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31

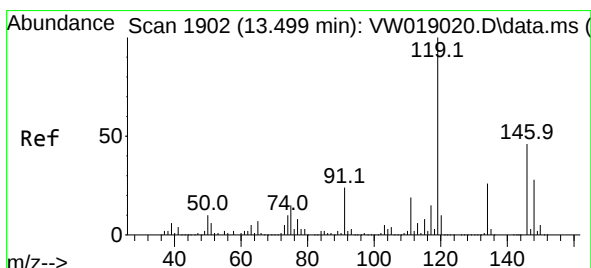
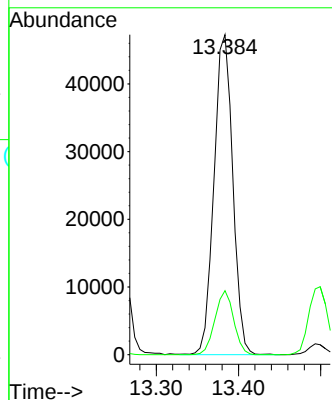
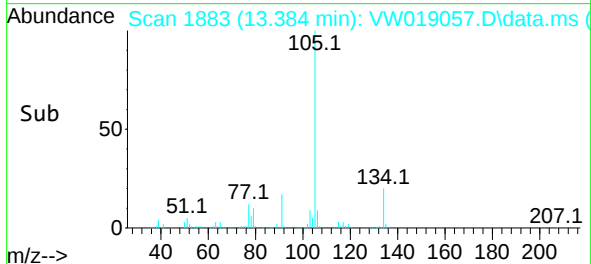
Instrument :  
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 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021



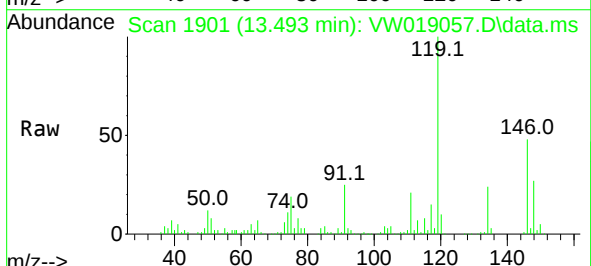
Tgt Ion:105 Resp: 74954  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.1 30.1

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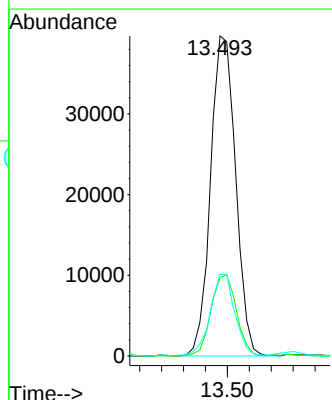
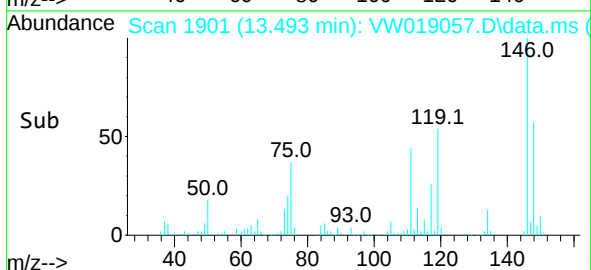
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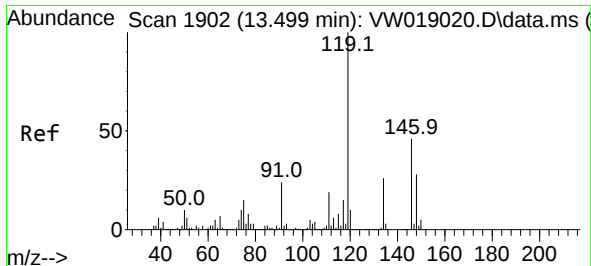


#86  
 p-Isopropyltoluene  
 Concen: 3.55 ug/l  
 RT: 13.493 min Scan# 1901  
 Delta R.T. -0.006 min  
 Lab File: VW019057.D  
 Acq: 21 May 2021 18:31



Tgt Ion:119 Resp: 62983  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.8 38.3  
 91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 3.86 ug/l

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW019057.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 33537 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.1  | 20.7  | 62.1  |
| 148       | 62.1  | 31.8  | 95.3  |

Instrument :

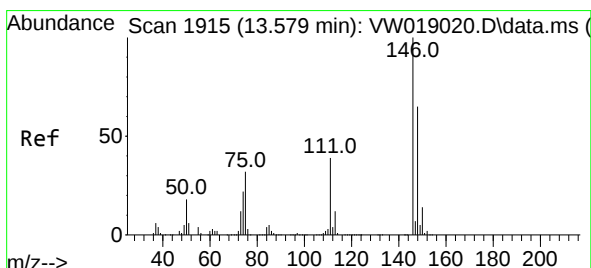
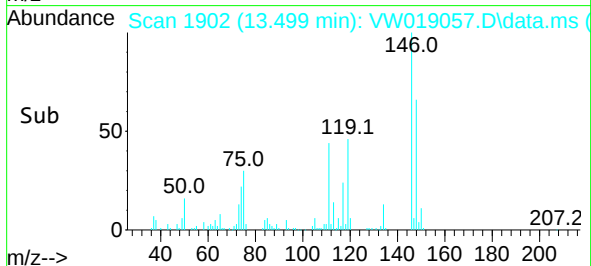
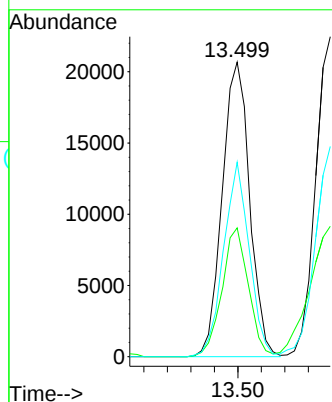
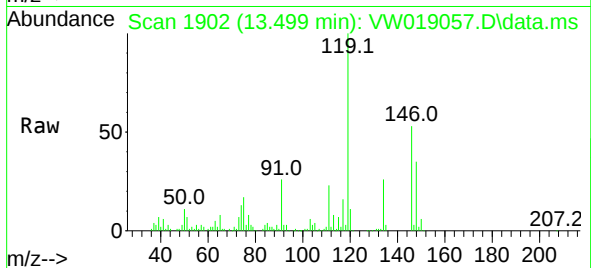
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ClientSampleId :

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#88

1,4-Dichlorobenzene

Concen: 4.05 ug/l

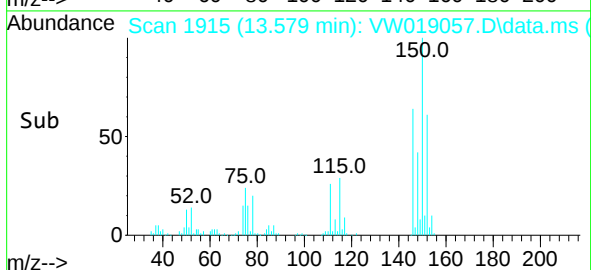
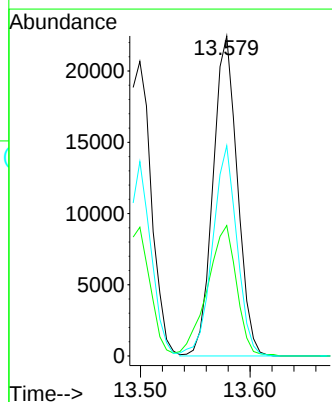
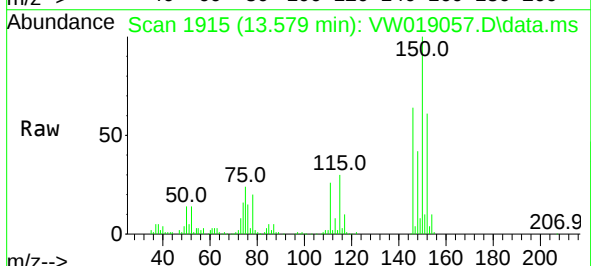
RT: 13.579 min Scan# 1915

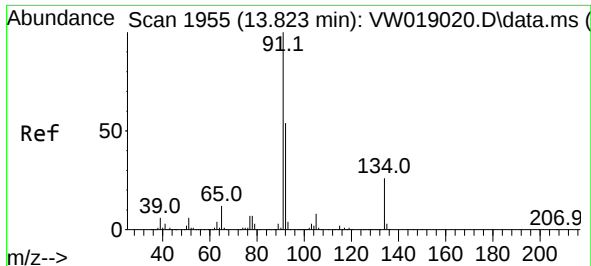
Delta R.T. 0.000 min

Lab File: VW019057.D

Acq: 21 May 2021 18:31

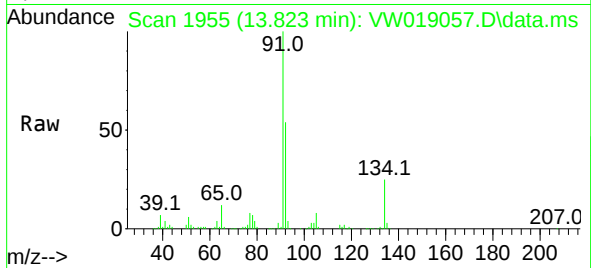
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 34729 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 49.1  | 20.1  | 60.3  |
| 148       | 65.9  | 32.4  | 97.2  |





#89  
n-Butylbenzene  
Concen: 3.64 ug/l  
RT: 13.823 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

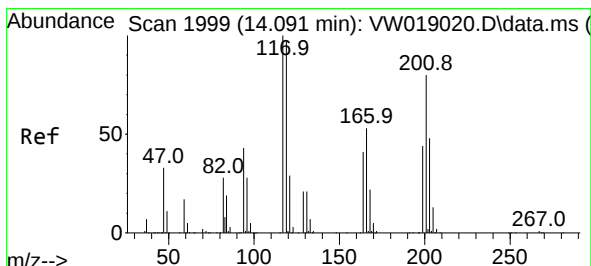
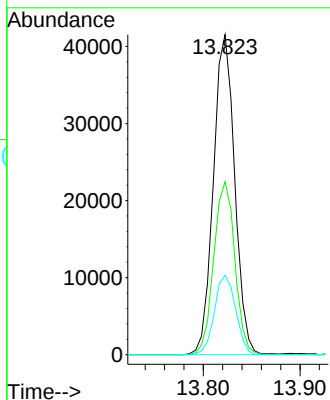
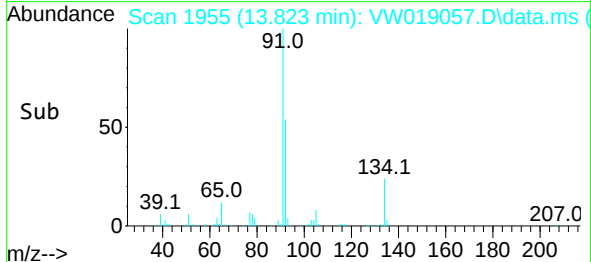
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



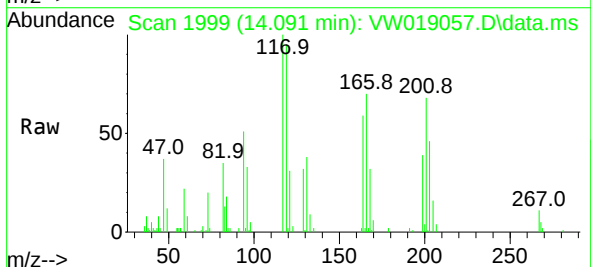
Tgt Ion: 91 Resp: 63569  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.6 79.8  
134 24.7 12.7 38.0

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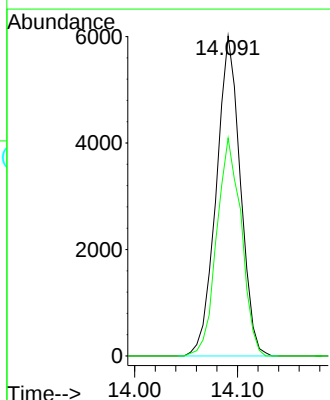
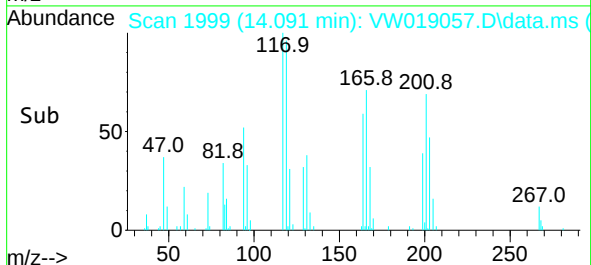
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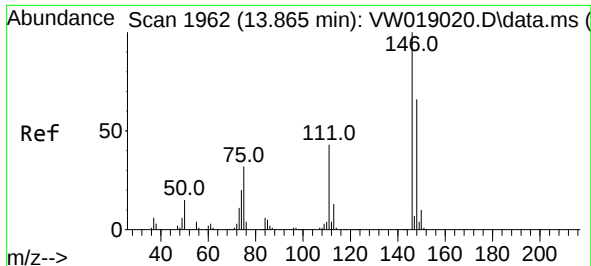


#90  
Hexachloroethane  
Concen: 3.51 ug/l  
RT: 14.091 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



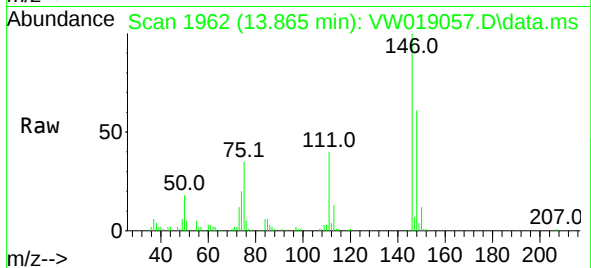
Tgt Ion: 117 Resp: 9775  
Ion Ratio Lower Upper  
117 100  
201 69.4 38.4 115.2





#91  
1,2-Dichlorobenzene  
Concen: 3.82 ug/l  
RT: 13.865 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

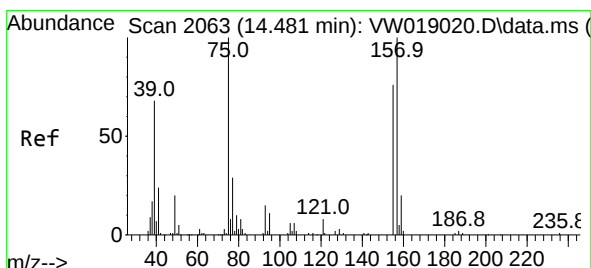
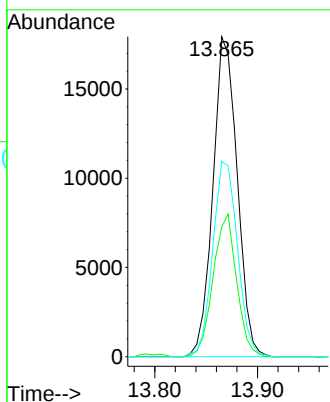
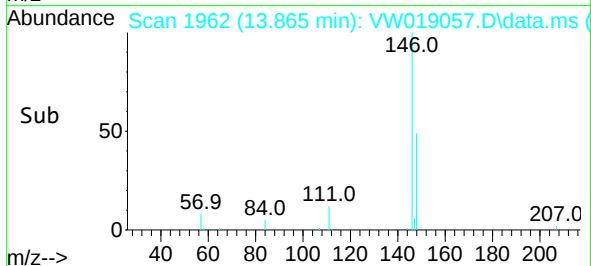
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



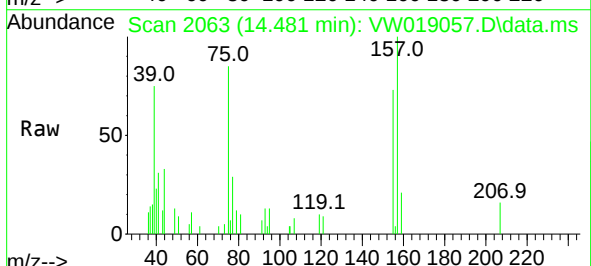
Tgt Ion:146 Resp: 29397  
Ion Ratio Lower Upper  
146 100  
111 43.1 21.1 63.1  
148 62.4 32.6 97.7

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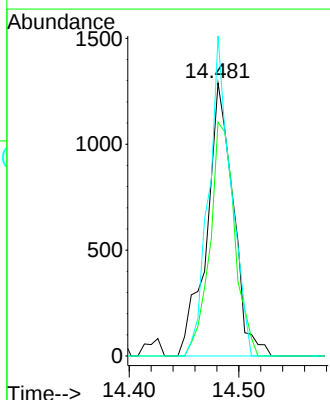
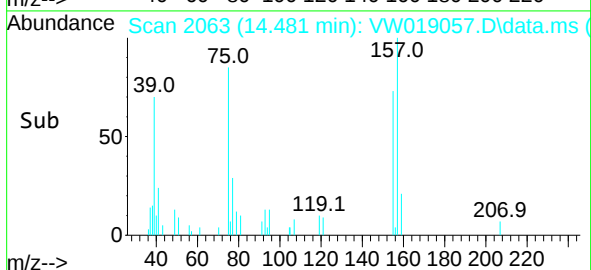
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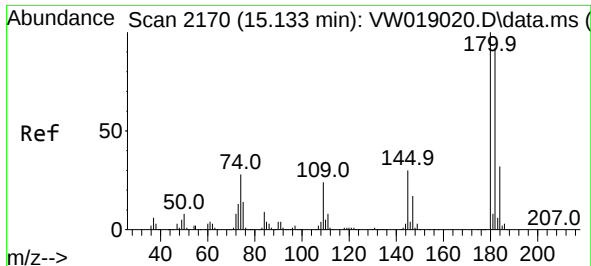


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 3.94 ug/l  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



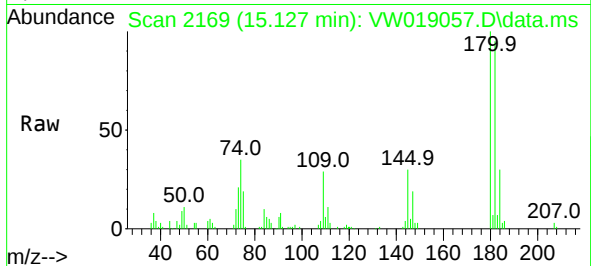
Tgt Ion: 75 Resp: 2172  
Ion Ratio Lower Upper  
75 100  
155 79.4 41.3 124.1  
157 98.1 51.2 153.6





#93  
1,2,4-Trichlorobenzene  
Concen: 3.81 ug/l  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

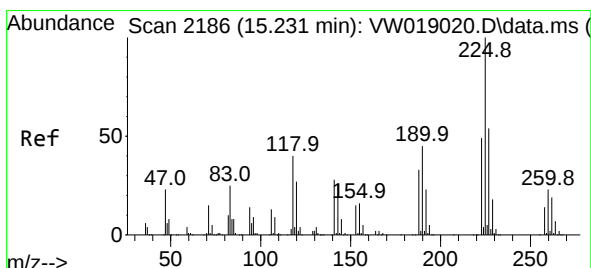
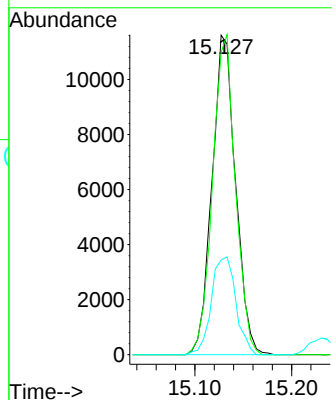
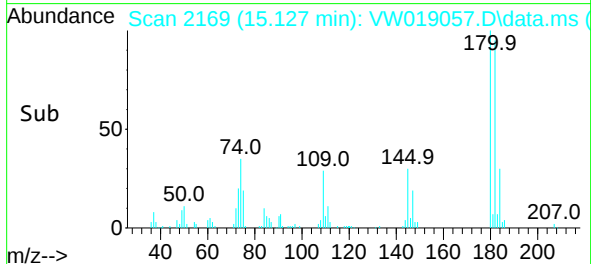
Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021



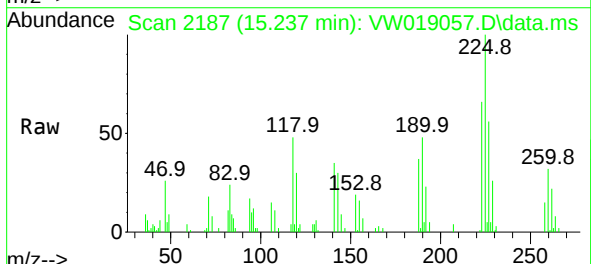
Tgt Ion:180 Resp: 19617  
Ion Ratio Lower Upper  
180 100  
182 96.7 48.9 146.7  
145 31.8 15.4 46.1

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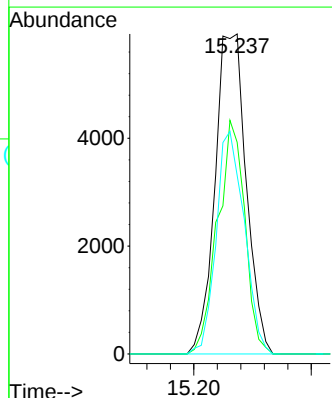
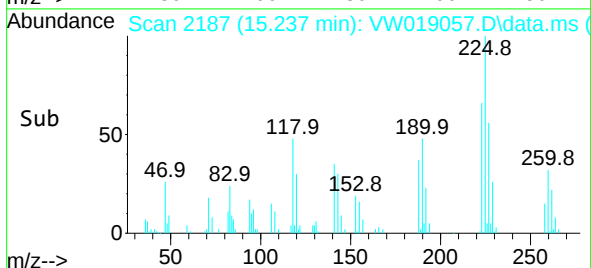
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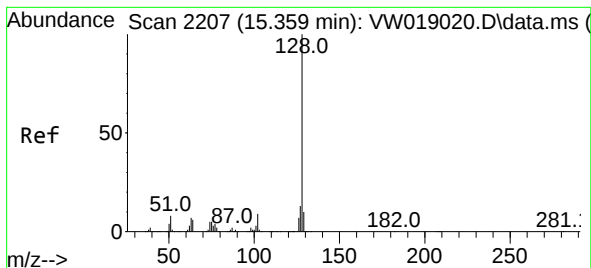


#94  
Hexachlorobutadiene  
Concen: 3.69 ug/l  
RT: 15.237 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31

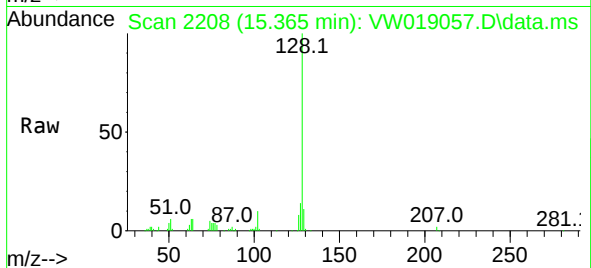


Tgt Ion:225 Resp: 10967  
Ion Ratio Lower Upper  
225 100  
223 63.4 29.6 88.8  
227 62.6 30.4 91.3

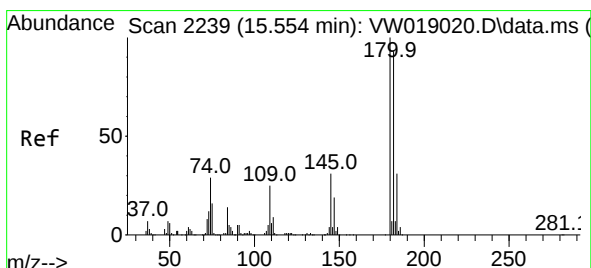
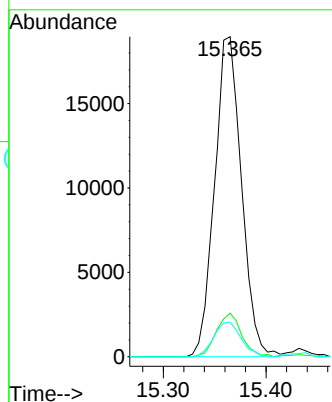
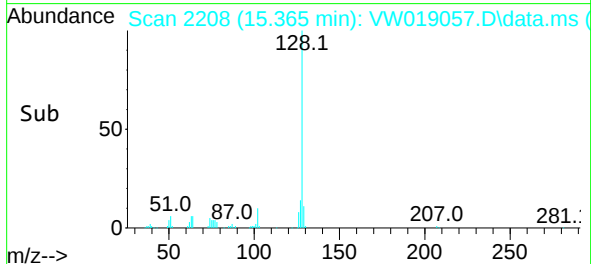




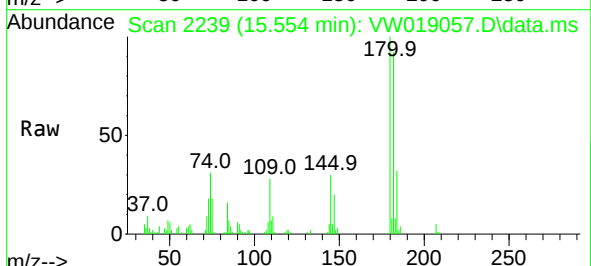
#95  
Naphthalene  
Concen: 3.67 ug/l  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



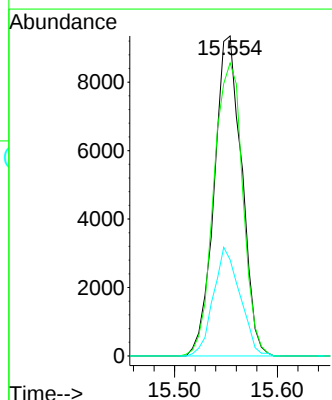
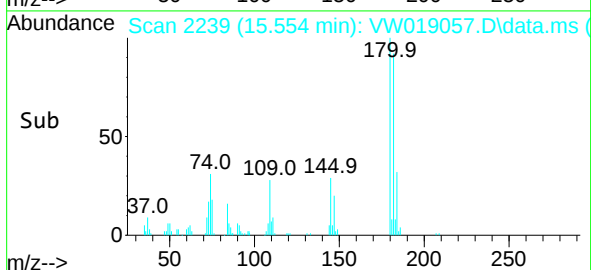
Tgt Ion:128 Resp: 34400  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 11.0 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 3.89 ug/l  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW019057.D  
Acq: 21 May 2021 18:31



Tgt Ion:180 Resp: 17329  
Ion Ratio Lower Upper  
180 100  
182 96.5 47.4 142.3  
145 32.9 16.1 48.2



Instrument :  
MSVOA\_W  
ClientSampleId :  
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