

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081221\  
 Data File : VW019718.D  
 Acq On : 12 Aug 2021 10:34  
 Operator : SY/VA  
 Sample : M3263-03  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT4-2021-07

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 13 02:01:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.847  | 114   | 293831   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.633 | 117   | 274147   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 133829   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 85116    | 24.807   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 99.240%  |
| 7) Chloroethane-d5            | 2.897  | 69    | 104100   | 30.695   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 122.800% |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 128204   | 18.159   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 72.640%  |
| 21) 2-Butanone-d5             | 7.092  | 46    | 54716    | 48.829   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.660%  |
| 24) Chloroform-d              | 7.652  | 84    | 195971   | 22.061   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 88.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 113566   | 21.961   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 87.840%  |
| 32) Benzene-d6                | 8.274  | 84    | 379031   | 20.882   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 83.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 119328   | 21.852   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 87.400%  |
| 41) Toluene-d8                | 10.323 | 98    | 339446   | 20.501   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 82.000%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 48601    | 21.556   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 86.240%  |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 44019    | 45.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 91.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 104394   | 22.032   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 88.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.852 | 152   | 119805   | 24.272   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.013  | 85    | 3786m    | 1.177    | ug/L   |          |
| 3) Chloromethane              | 2.220  | 50    | 5776     | 1.775    | ug/L   | 95       |
| 5) Vinyl chloride             | 2.367  | 62    | 5914     | 1.349    | ug/L   | # 39     |
| 6) Bromomethane               | 2.787  | 94    | 4682     | 1.363    | ug/L   | 92       |
| 8) Chloroethane               | 2.928  | 64    | 4991     | 1.693    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 4409     | 1.624    | ug/L   | 89       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 5962m    | 1.648    | ug/L   |          |
| 12) 1,1-Dichloroethene        | 4.049  | 96    | 5313m    | 1.509    | ug/L   |          |
| 13) Acetone                   | 4.153  | 43    | 4763     | 5.171    | ug/L   | 98       |
| 14) Carbon disulfide          | 4.391  | 76    | 11815    | 1.179    | ug/L   | 97       |
| 15) Methyl Acetate            | 4.696  | 43    | 2235m    | 1.297    | ug/L   |          |
| 16) Methylene chloride        | 4.927  | 84    | 37614    | 7.660    | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.433  | 96    | 4619m    | 1.200    | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.427  | 73    | 5305m    | 0.949    | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 8087m    | 1.000    | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 7.183  | 96    | 4641     | 1.064    | ug/L   | 83       |
| 23) Bromochloromethane        | 7.518  | 128   | 2211     | 1.096    | ug/L   | 96       |
| 25) Chloroform                | 7.683  | 83    | 9771     | 1.179    | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.402  | 62    | 6046     | 1.045    | ug/L   | # 93     |

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 Sample : M3263-03  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT4-2021-07

Manual Integrations  
 APPROVED

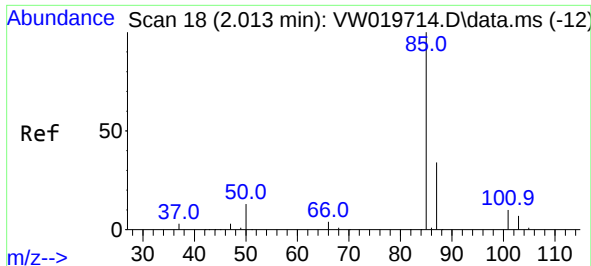
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 8/13/2021 3:48:52 PM

Quant Time: Aug 13 03:08:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 13 02:01:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 29) Cyclohexane               | 7.957  | 56   | 6440     | 0.948 | ug/L # | 23       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 7080     | 1.009 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 6368     | 0.983 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 19587    | 1.031 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 4856     | 1.031 | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.335  | 83   | 7853     | 1.007 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 4704     | 0.991 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 6129     | 1.019 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 7136     | 0.985 | ug/L   | 98       |
| 42) Toluene                   | 10.390 | 91   | 25257    | 1.266 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 3750     | 1.068 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.859 | 164  | 3886     | 1.097 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 4005     | 1.995 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.133 | 129  | 3781     | 0.972 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 3389     | 1.014 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 12753    | 1.046 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 20513    | 0.981 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 7810     | 0.981 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 6549     | 0.853 | ug/L   | 83       |
| 55) Styrene                   | 12.182 | 104  | 10273    | 0.779 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.712 | 83   | 5118     | 1.145 | ug/L # | 95       |
| 59) Bromoform                 | 12.347 | 173  | 2118     | 1.041 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 17380    | 0.950 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.773 | 75   | 3522     | 1.164 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 13997    | 0.918 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 14089    | 0.886 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 9421     | 1.063 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 10410    | 1.165 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 9174     | 1.179 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.487 | 75   | 786m     | 1.331 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 6721     | 1.187 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 5797     | 1.216 | ug/L   | 100      |
| 71) Naphthalene               | 15.364 | 128  | 9645     | 1.041 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 5001     | 1.186 | ug/L   | 98       |
| -----                         |        |      |          |       |        |          |

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





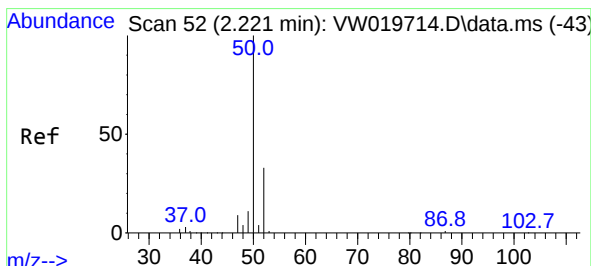
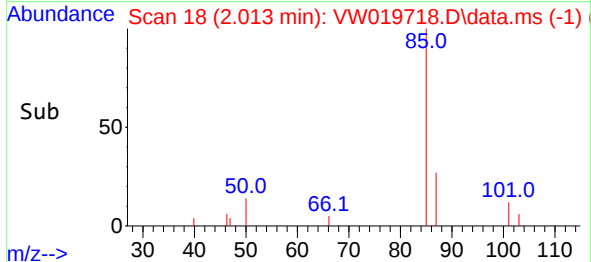
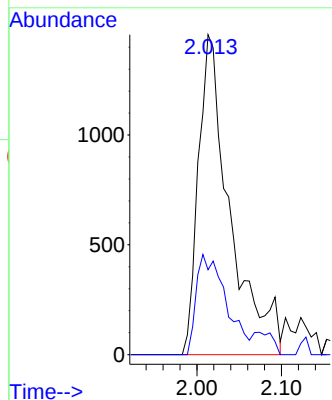
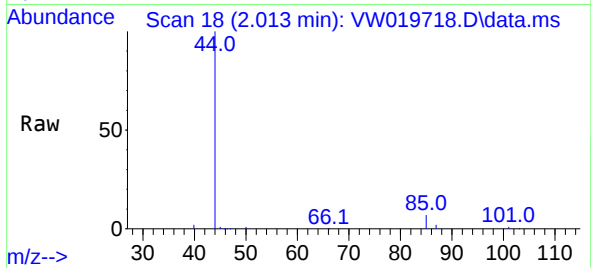
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Dichlorodifluoromethane  
Concen: 1.177 ug/L m  
RT: 2.013 min Scan# 18  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 85 Resp: 3786  
Ion Ratio Lower Upper  
85 100  
87 26.5 23.3 34.9

Instrument :  
MSVOA\_W  
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MDL-SOIL-QT4-2021-07

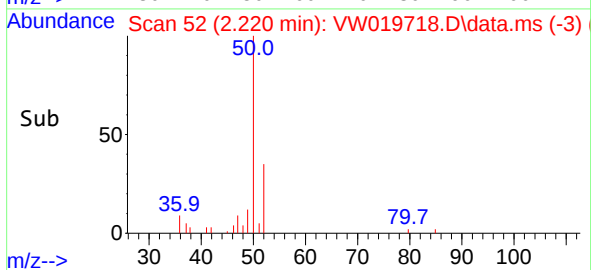
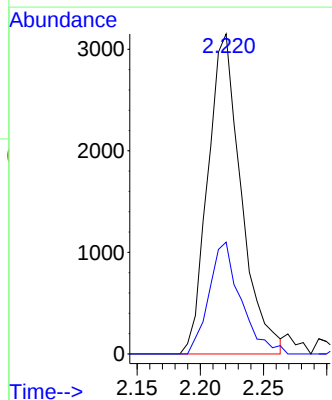
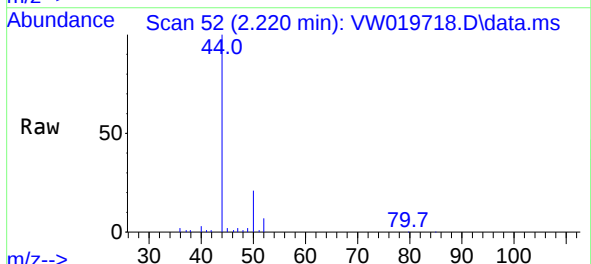
Manual Integrations  
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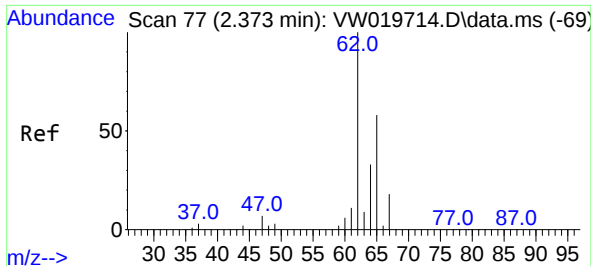
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#3  
Chloromethane  
Concen: 1.775 ug/L  
RT: 2.220 min Scan# 52  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 50 Resp: 5776  
Ion Ratio Lower Upper  
50 100  
52 34.9 22.5 41.9





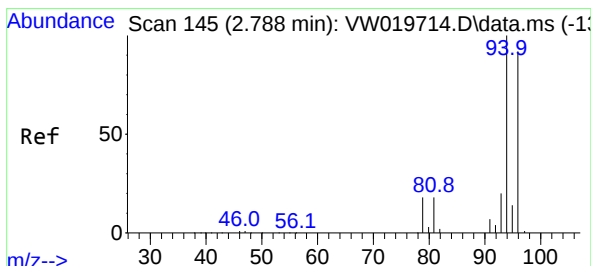
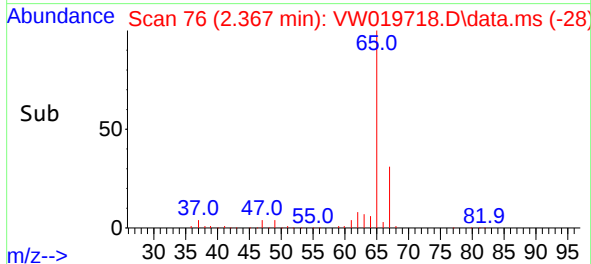
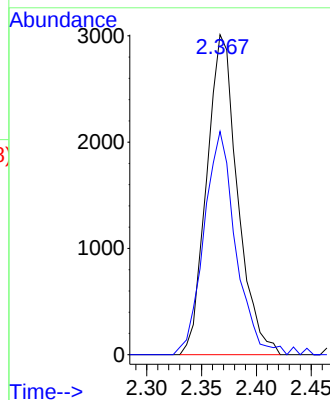
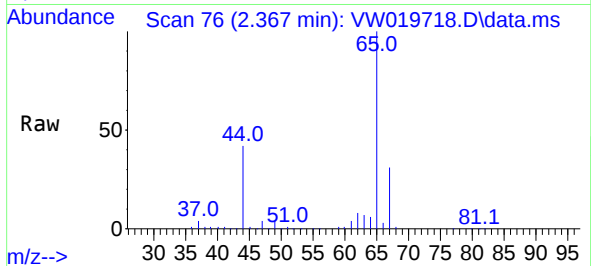
#5  
 Vinyl chloride  
 Concen: 1.349 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.006 min  
 Lab File: VW019718.D  
 Acq: 12 Aug 2021 10:34

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT4-2021-07

Tgt Ion: 62 Resp: 5914  
 Ion Ratio Lower Upper  
 62 100  
 64 69.7 24.2 45.0#

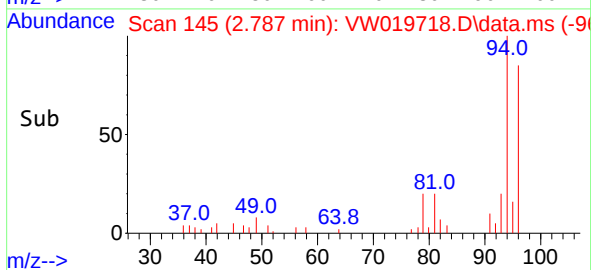
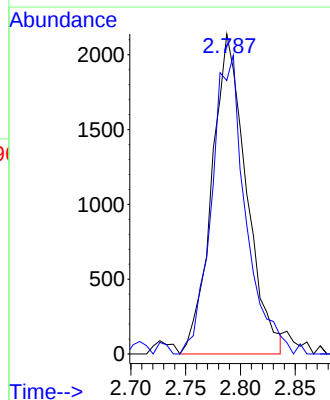
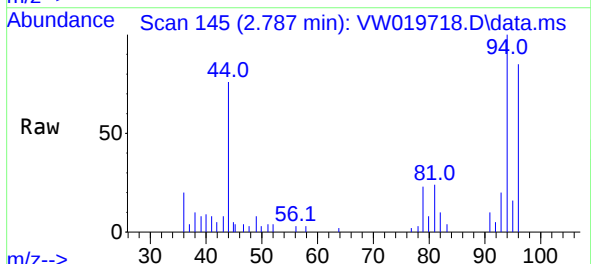
Manual Integrations  
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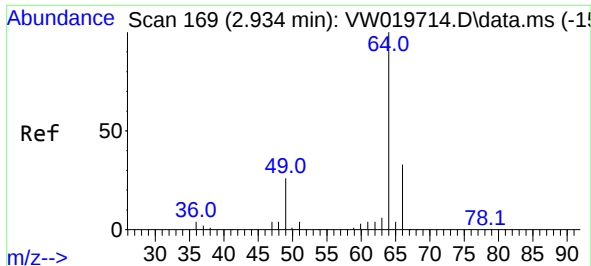
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#6  
 Bromomethane  
 Concen: 1.363 ug/L  
 RT: 2.787 min Scan# 145  
 Delta R.T. -0.000 min  
 Lab File: VW019718.D  
 Acq: 12 Aug 2021 10:34

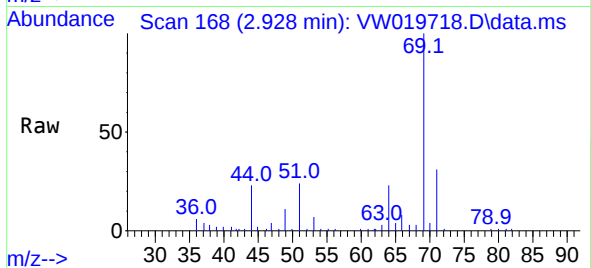
Tgt Ion: 94 Resp: 4682  
 Ion Ratio Lower Upper  
 94 100  
 96 85.5 65.3 121.3





#8  
Chloroethane  
Concen: 1.693 ug/L  
RT: 2.928 min Scan# 168  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

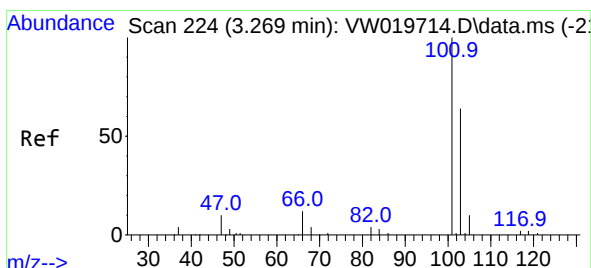
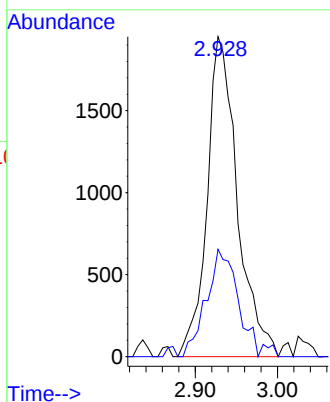
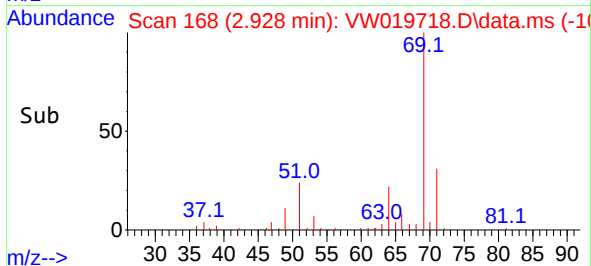
Instrument :  
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MDL-SOIL-QT4-2021-07



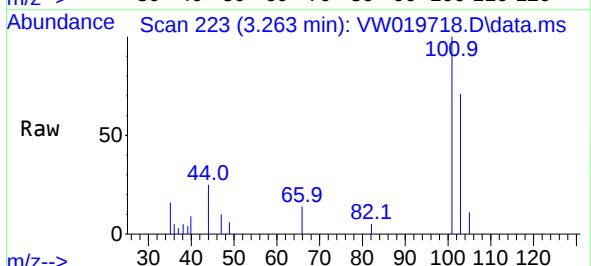
Tgt Ion: 64 Resp: 4991  
Ion Ratio Lower Upper  
64 100  
66 33.5 23.4 43.6

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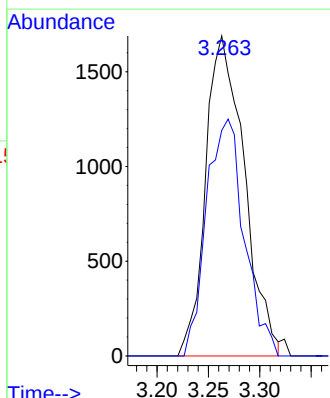
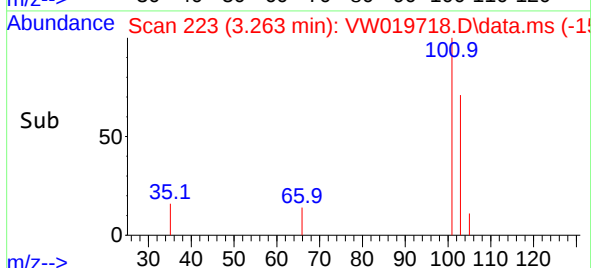
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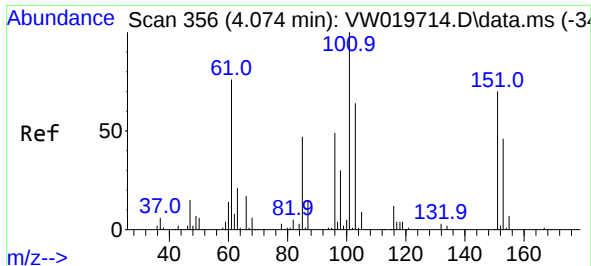


#9  
Trichlorofluoromethane  
Concen: 1.624 ug/L  
RT: 3.263 min Scan# 223  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



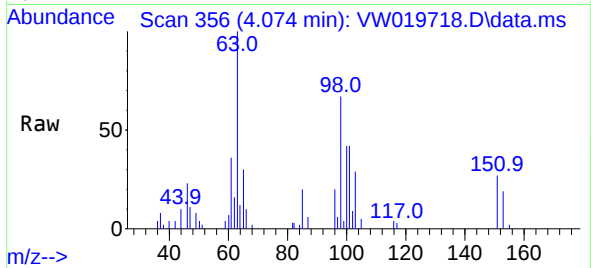
Tgt Ion: 101 Resp: 4409  
Ion Ratio Lower Upper  
101 100  
103 72.5 51.0 76.4





#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 1.648 ug/L m  
RT: 4.074 min Scan# 356  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

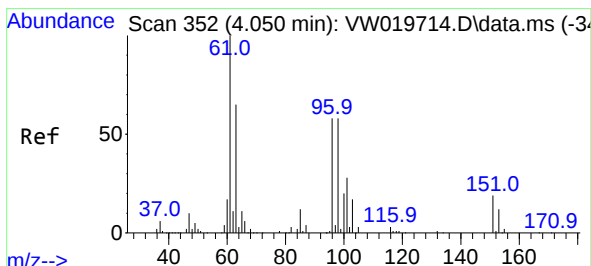
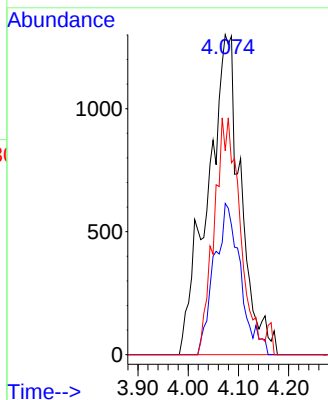
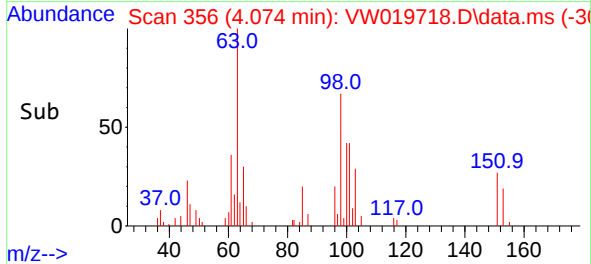
Instrument :  
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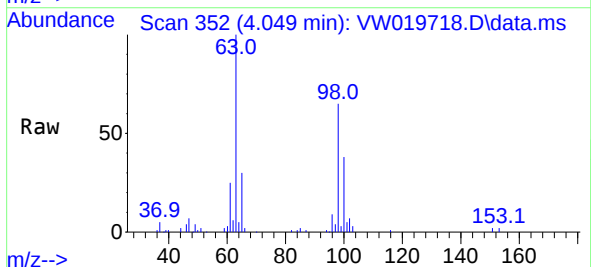
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Ion Ratio Lower Upper  
101 100  
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151 58.0 56.6 85.0

Manual Integrations  
APPROVED

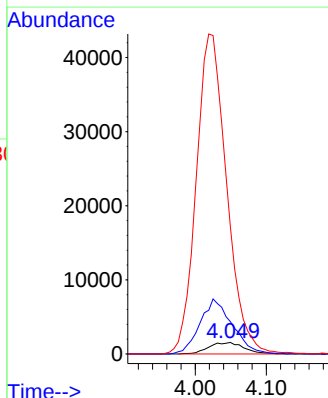
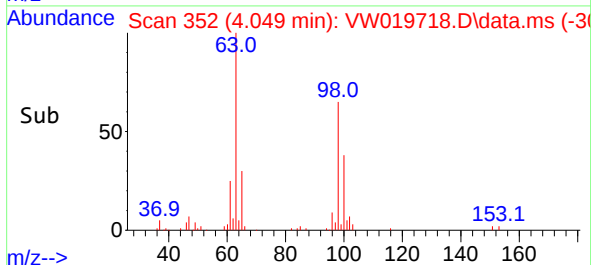
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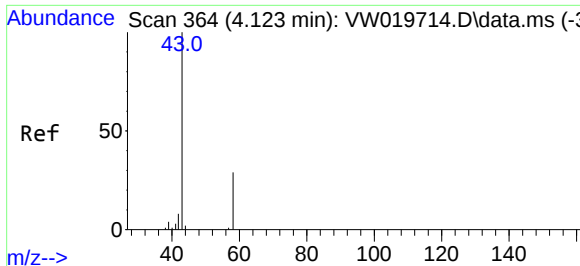


#12  
1,1-Dichloroethene  
Concen: 1.509 ug/L m  
RT: 4.049 min Scan# 352  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



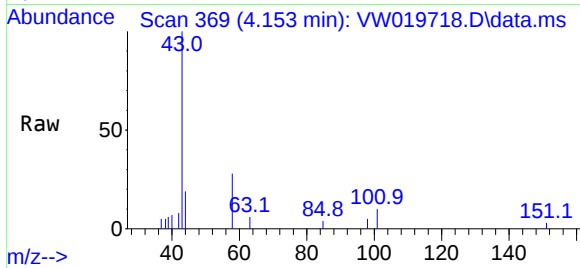
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Ion Ratio Lower Upper  
96 100  
61 282.2 118.1 219.3#  
63 1111.3 83.7 155.5#





#13  
Acetone  
Concen: 5.171 ug/L  
RT: 4.153 min Scan# 369  
Delta R.T. 0.030 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

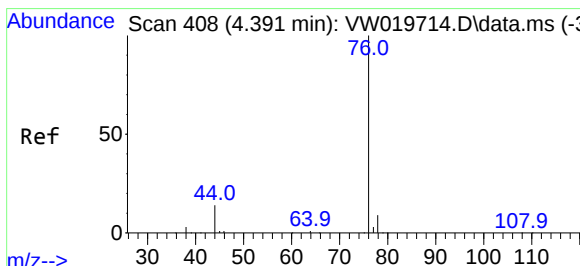
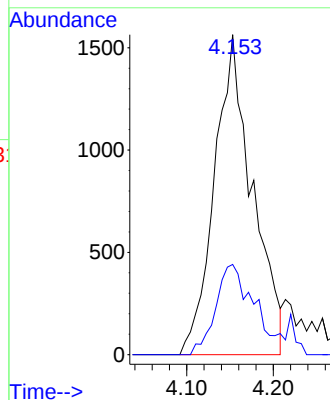
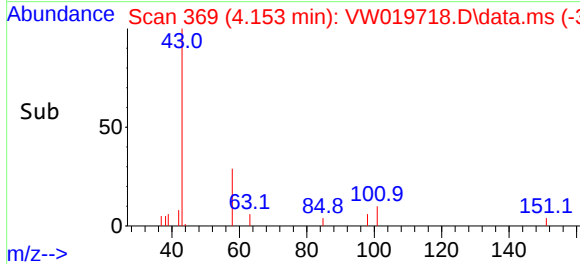
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07



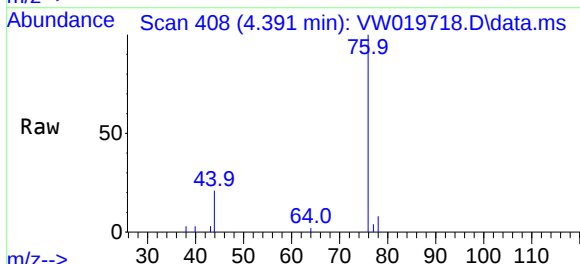
Tgt Ion: 43 Resp: 4763  
Ion Ratio Lower Upper  
43 100  
58 27.9 0.0 53.8

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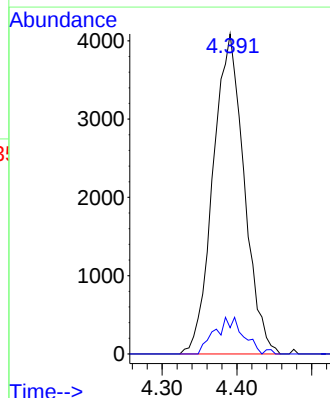
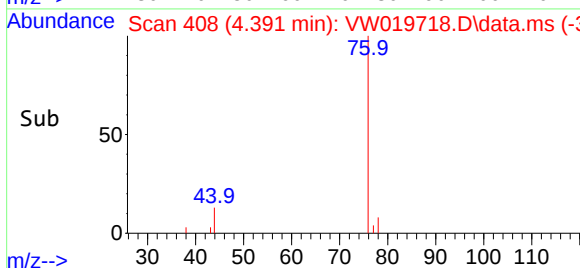
MMDadoda  
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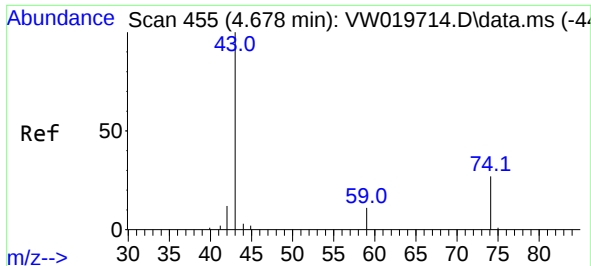


#14  
Carbon disulfide  
Concen: 1.179 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion: 76 Resp: 11815  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.4 11.0





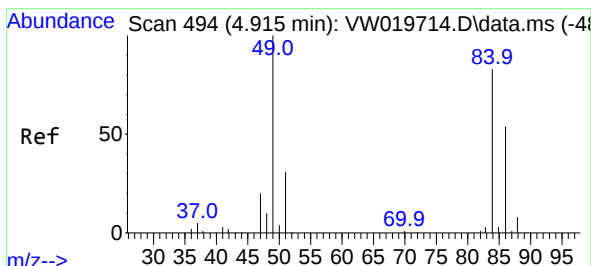
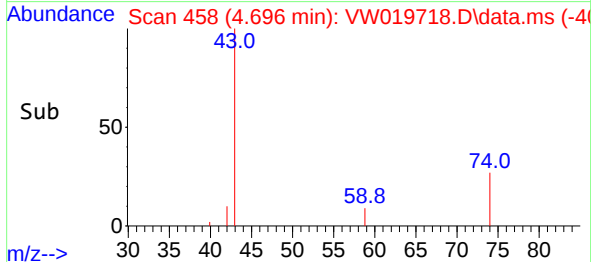
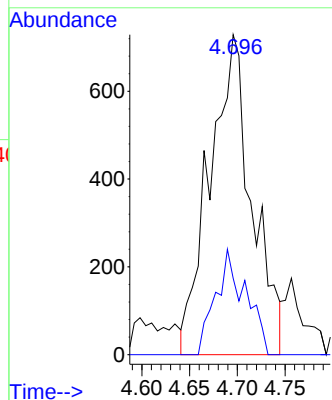
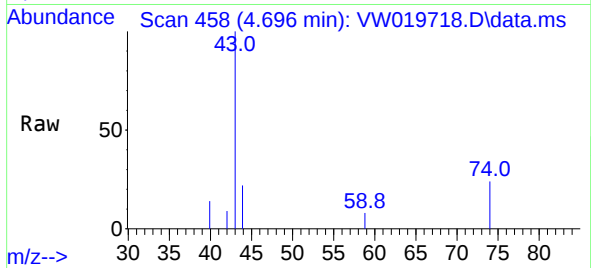
#15  
Methyl Acetate  
Concen: 1.297 ug/L m  
RT: 4.696 min Scan# 458  
Delta R.T. 0.018 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 43 Resp: 2235  
Ion Ratio Lower Upper  
43 100  
74 16.2 20.0 30.0#

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

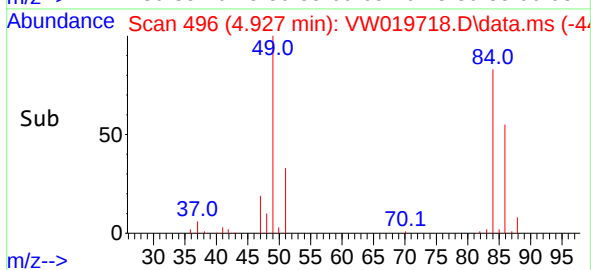
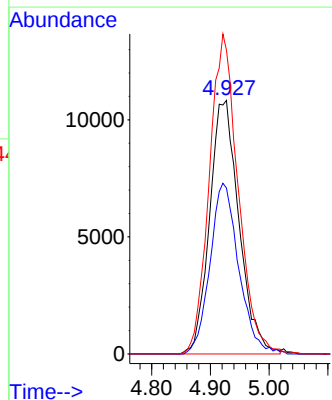
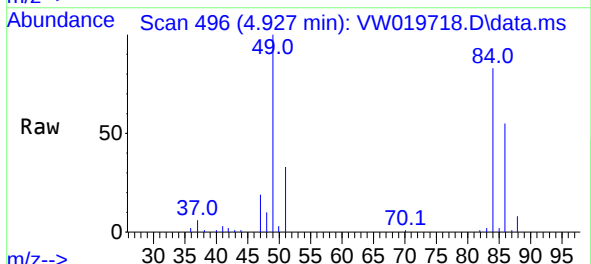
Manual Integrations  
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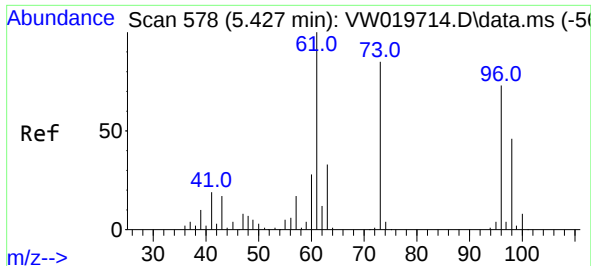
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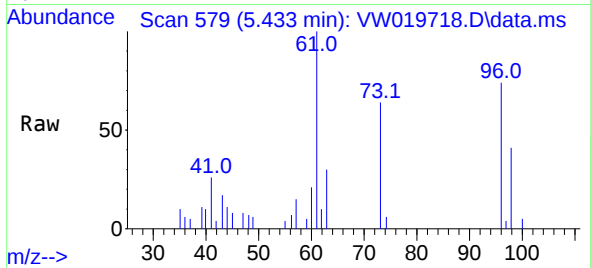
#16  
Methylene chloride  
Concen: 7.660 ug/L  
RT: 4.927 min Scan# 496  
Delta R.T. 0.012 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 84 Resp: 37614  
Ion Ratio Lower Upper  
84 100  
86 65.4 45.3 84.1  
49 119.8 86.6 160.8

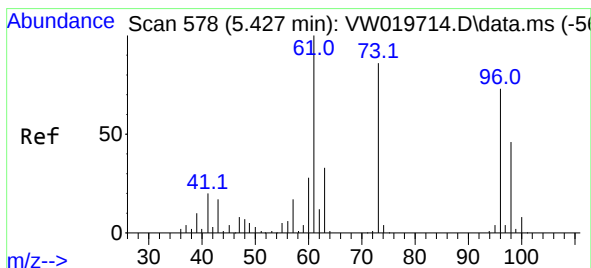
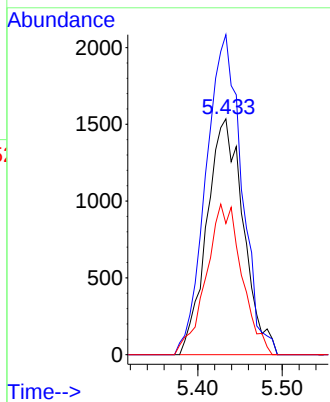
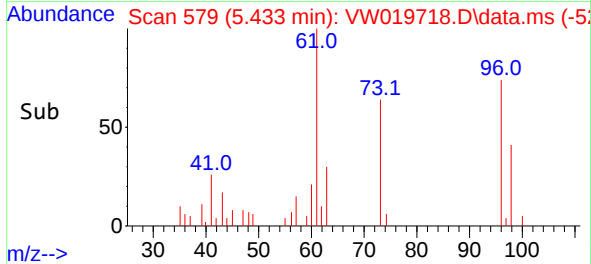




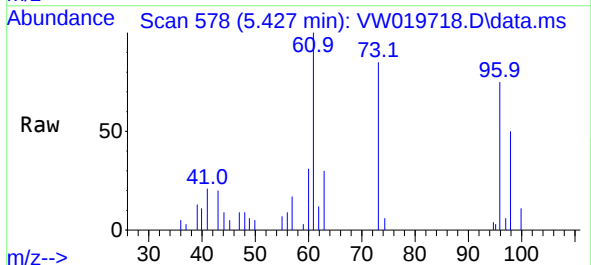
#17  
trans-1,2-Dichloroethene  
Concen: 1.200 ug/L m  
RT: 5.433 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



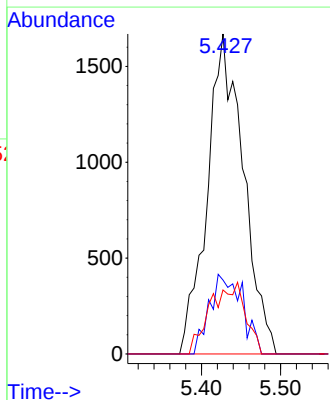
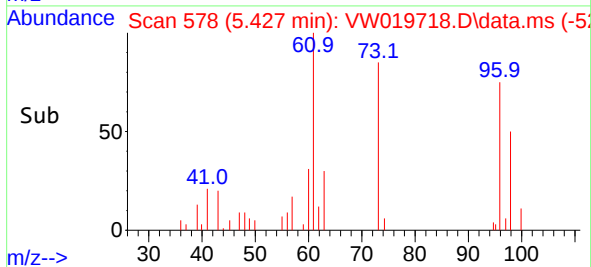
Tgt Ion: 96 Resp: 4619  
Ion Ratio Lower Upper  
96 100  
61 135.7 98.3 182.7  
98 55.6 46.1 85.7



#18  
Methyl tert-butyl Ether  
Concen: 0.949 ug/L m  
RT: 5.427 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



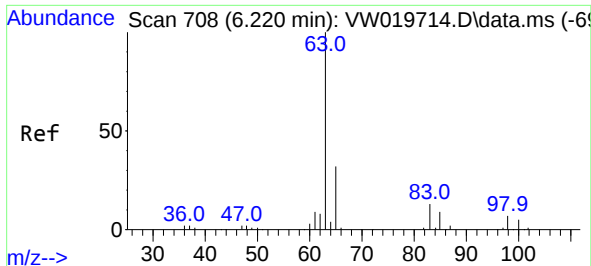
Tgt Ion: 73 Resp: 5305  
Ion Ratio Lower Upper  
73 100  
43 17.5 17.7 26.5#  
57 6.6 17.0 25.4#



Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

Manual Integrations  
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#19

1,1-Dichloroethane

Concen: 1.000 ug/L m

RT: 6.214 min Scan# 707

Delta R.T. -0.006 min

Lab File: VW019718.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 8087  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 28.3  | 22.9  | 42.5  |
| 83       | 10.2  | 10.2  | 19.0  |

Instrument :

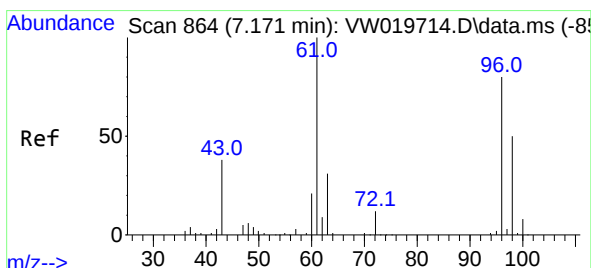
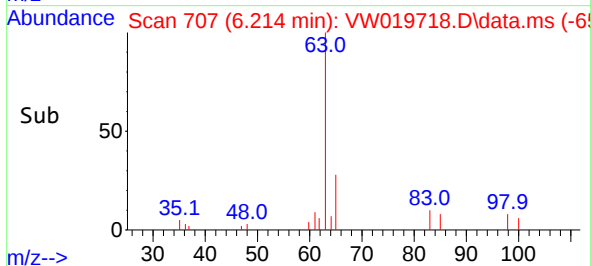
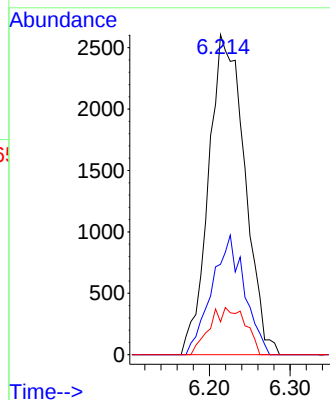
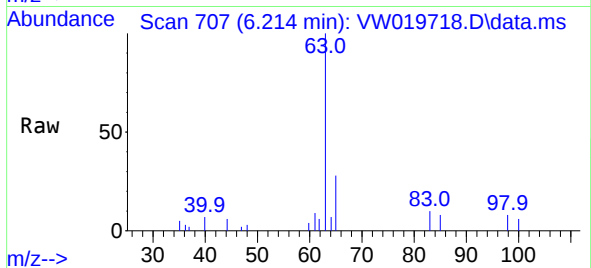
MSVOA\_W

ClientSampleId :

MDL-SOIL-QT4-2021-07

Manual Integrations  
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#20

cis-1,2-Dichloroethene

Concen: 1.064 ug/L

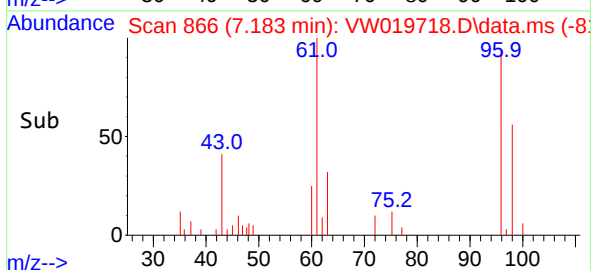
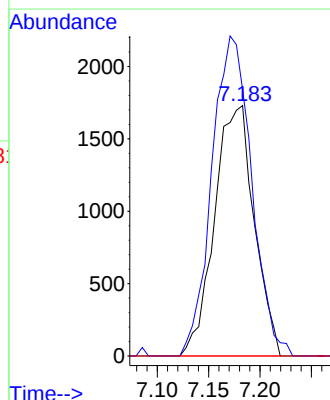
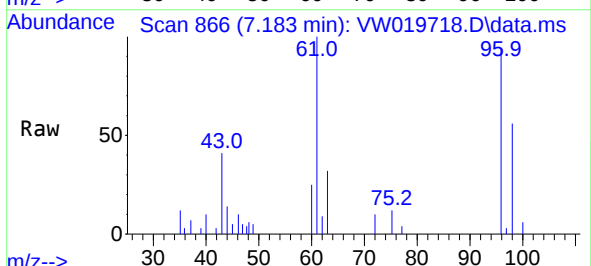
RT: 7.183 min Scan# 866

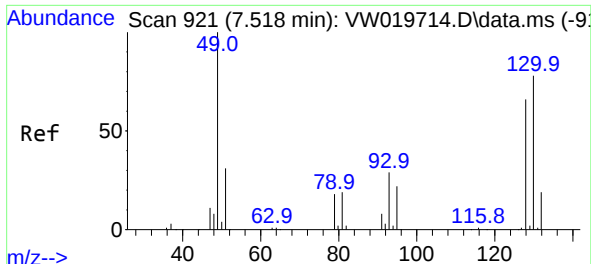
Delta R.T. 0.012 min

Lab File: VW019718.D

Acq: 12 Aug 2021 10:34

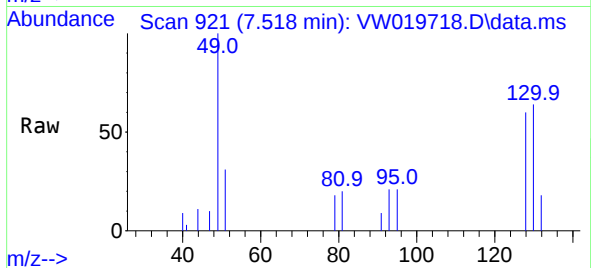
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 4641  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 106.4 | 88.5  | 164.3 |
| 68       | 0.0   | 0.0   | 0.0   |





#23  
Bromochloromethane  
Concen: 1.096 ug/L  
RT: 7.518 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

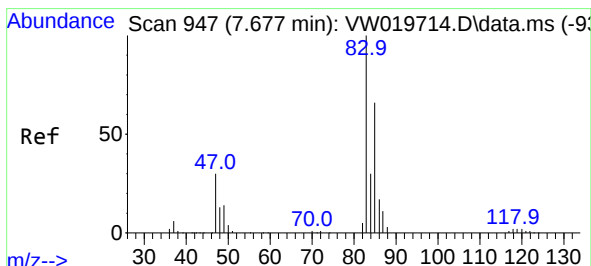
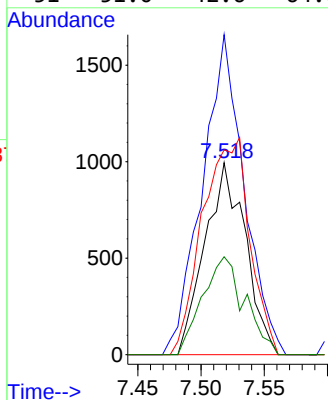
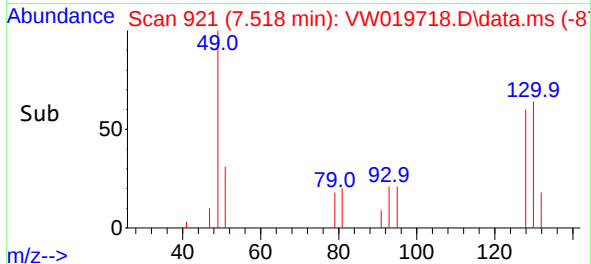
Instrument :  
MSVOA\_W  
ClientSampleId :  
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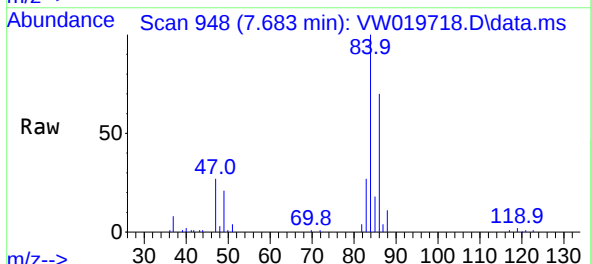
Tgt Ion:128 Resp: 2211  
Ion Ratio Lower Upper  
128 100  
49 166.6 116.3 215.9  
130 106.6 82.4 153.0  
51 51.0 42.6 64.0

Manual Integrations  
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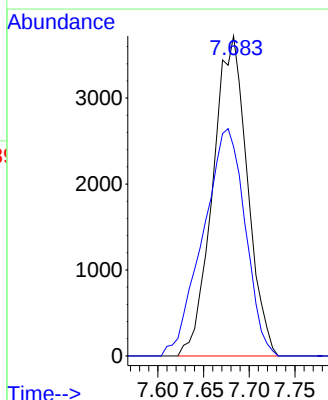
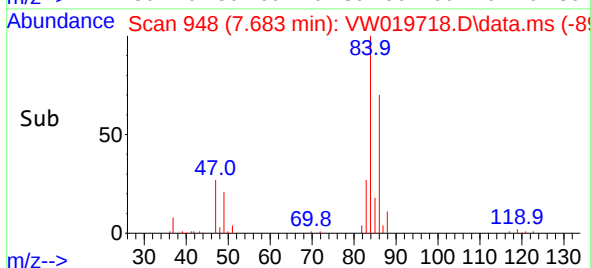
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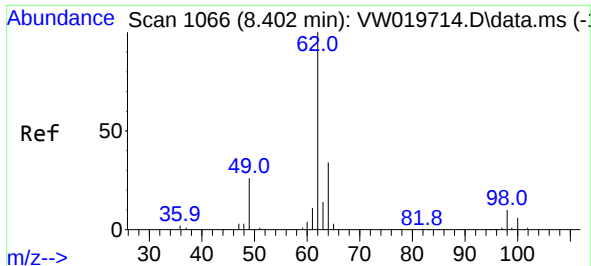


#25  
Chloroform  
Concen: 1.179 ug/L  
RT: 7.683 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion: 83 Resp: 9771  
Ion Ratio Lower Upper  
83 100  
85 65.5 44.6 82.8





#27

1,2-Dichloroethane

Concen: 1.045 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW019718.D

Acq: 12 Aug 2021 10:34

Tgt Ion: 62 Resp: 6046

Ion Ratio Lower Upper

62 100

98 11.2 6.9 10.3#

Instrument :

MSVOA\_W

ClientSampleId :

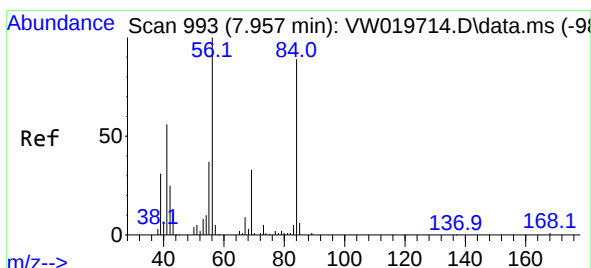
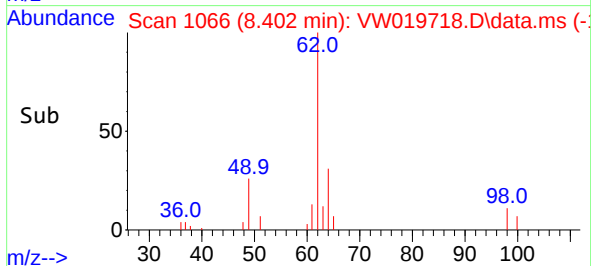
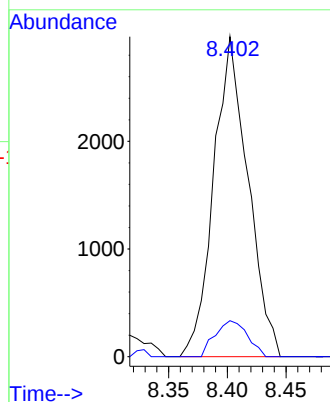
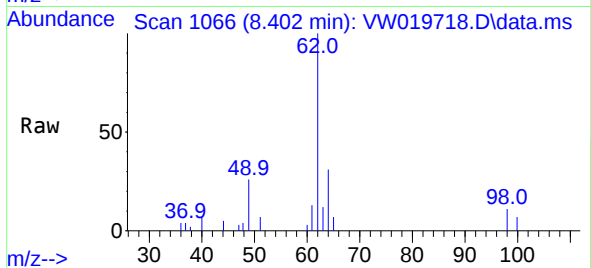
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#29

Cyclohexane

Concen: 0.948 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW019718.D

Acq: 12 Aug 2021 10:34

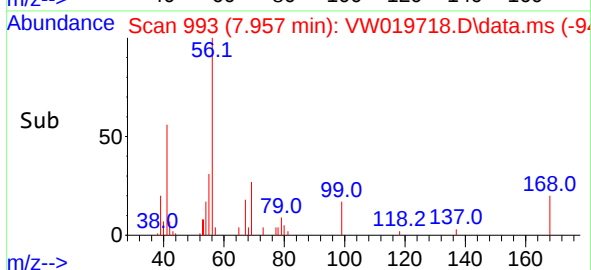
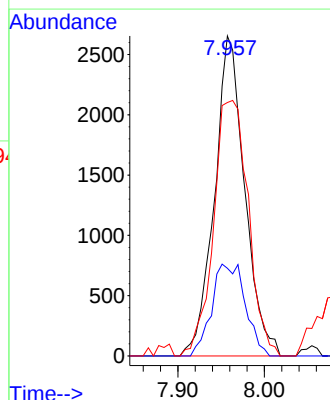
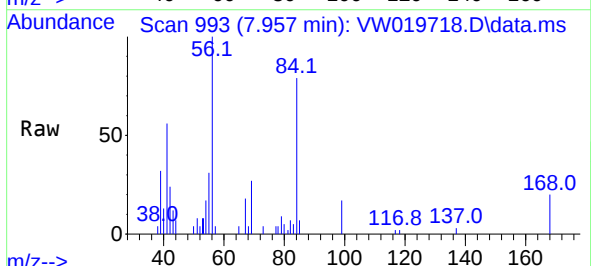
Tgt Ion: 56 Resp: 6440

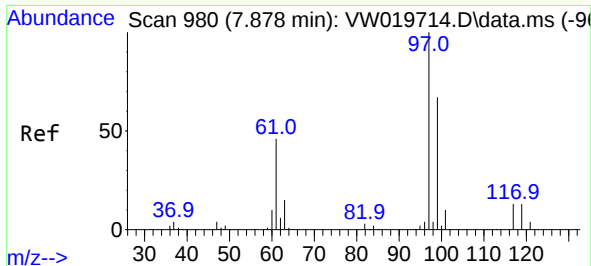
Ion Ratio Lower Upper

56 100

69 20.8 24.5 36.7#

84 1.4 75.0 112.4#





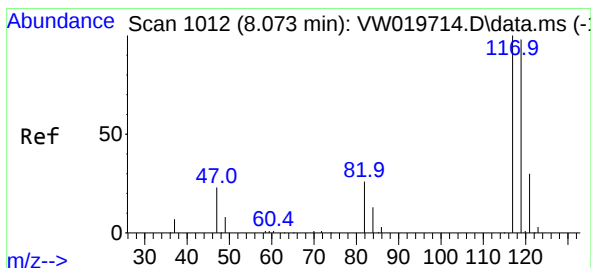
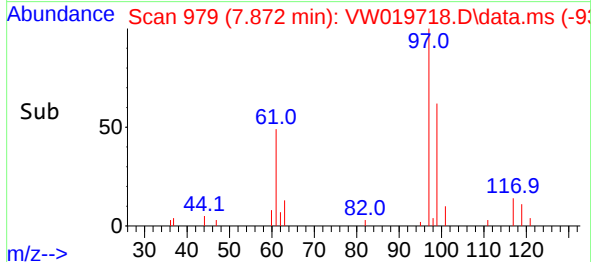
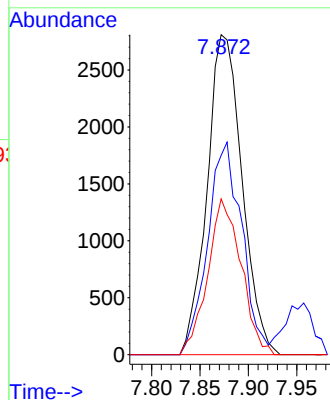
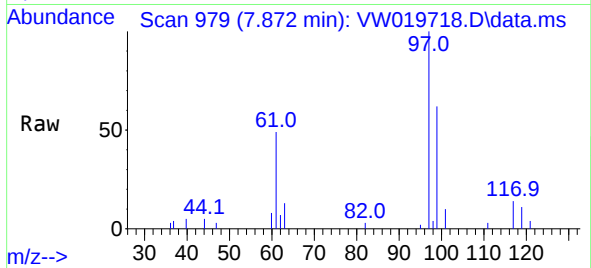
#30  
1,1,1-Trichloroethane  
Concen: 1.009 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 97 Resp: 7080  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.4 77.2  
61 46.4 37.8 56.6

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

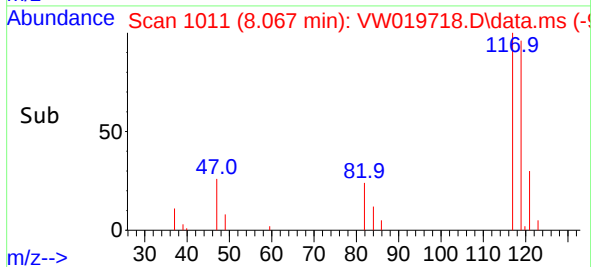
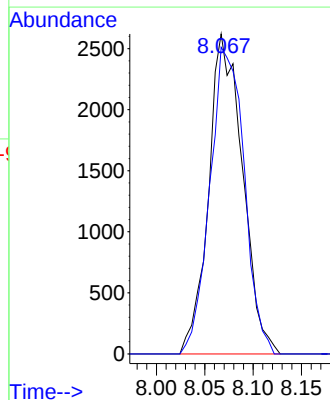
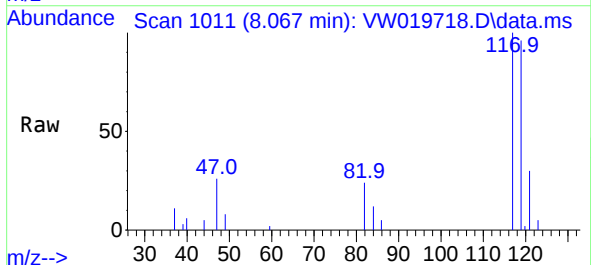
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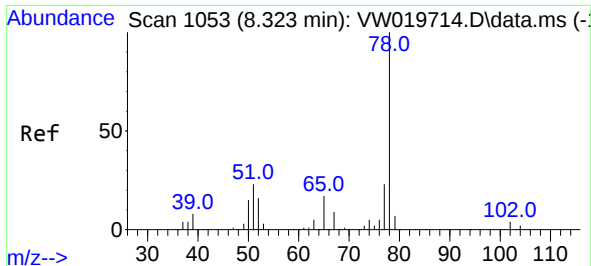
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#31  
Carbon tetrachloride  
Concen: 0.983 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 117 Resp: 6368  
Ion Ratio Lower Upper  
117 100  
119 97.1 76.5 114.7





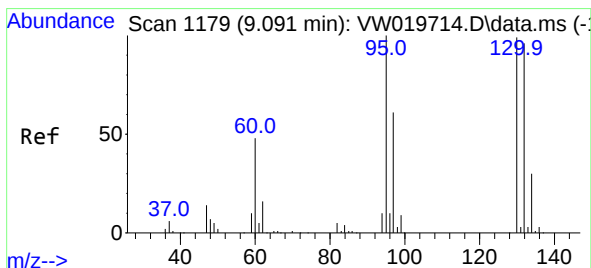
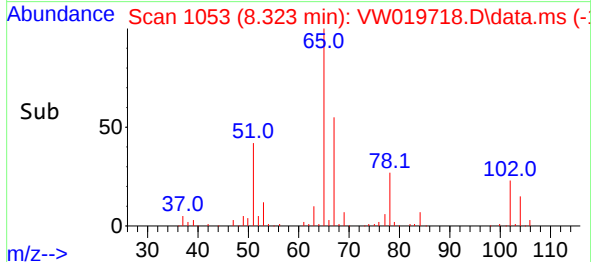
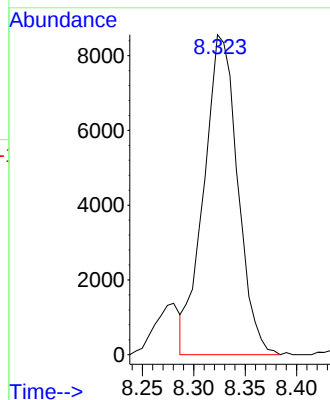
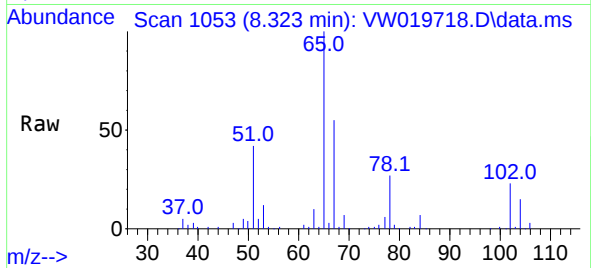
#33  
Benzene  
Concen: 1.031 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 78 Resp: 19587

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

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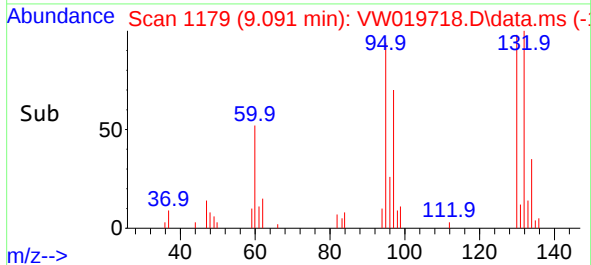
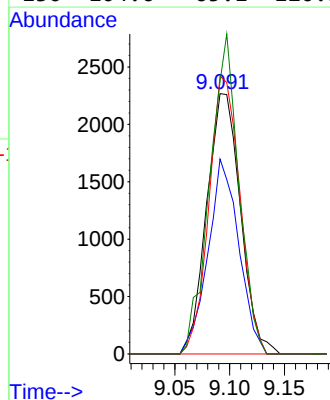
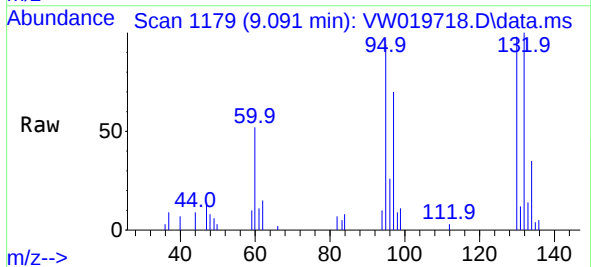
MMDadoda  
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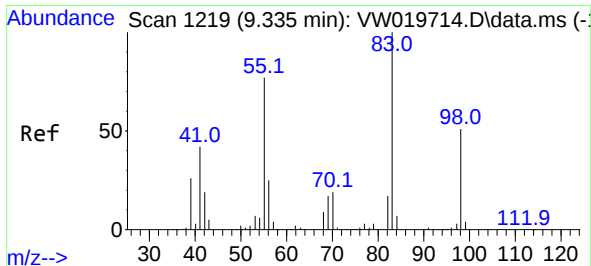


#34  
Trichloroethene  
Concen: 1.031 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 95 Resp: 4856

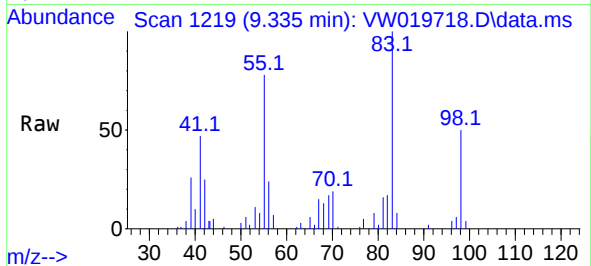
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 74.9  | 47.3  | 87.8  |
| 132 | 106.8 | 71.0  | 131.8 |
| 130 | 104.6 | 65.1  | 120.9 |





#35  
Methylcyclohexane  
Concen: 1.007 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

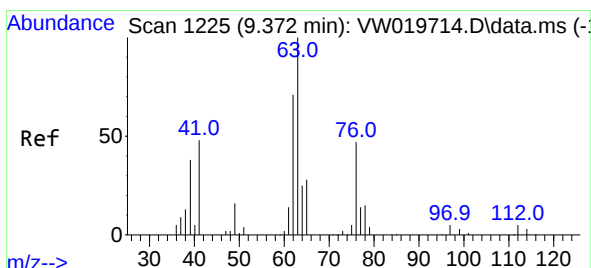
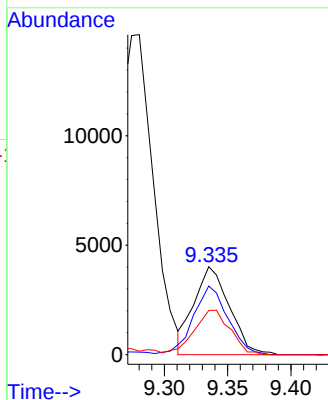
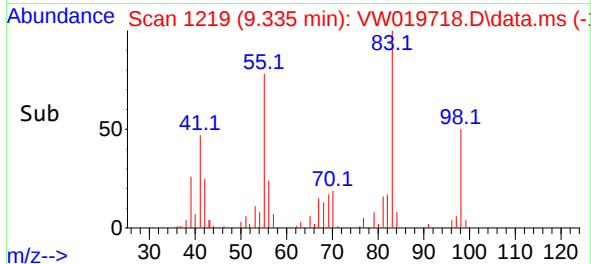
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07



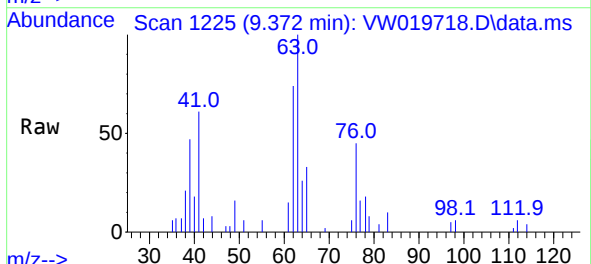
Tgt Ion: 83 Resp: 7853  
Ion Ratio Lower Upper  
83 100  
55 76.0 58.9 88.3  
98 51.4 40.1 60.1

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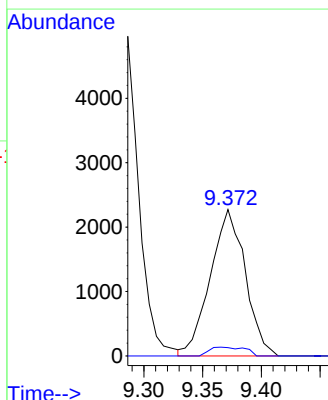
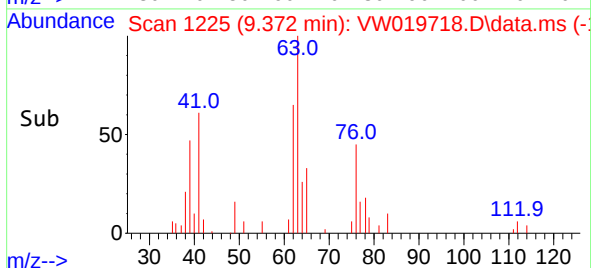
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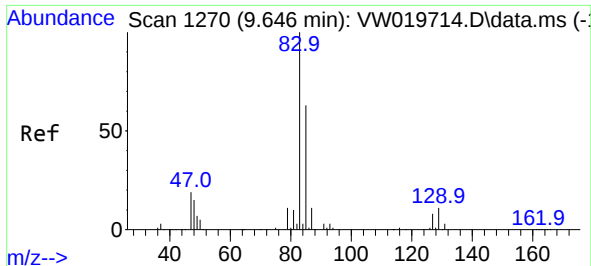


#37  
1,2-Dichloropropane  
Concen: 0.991 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

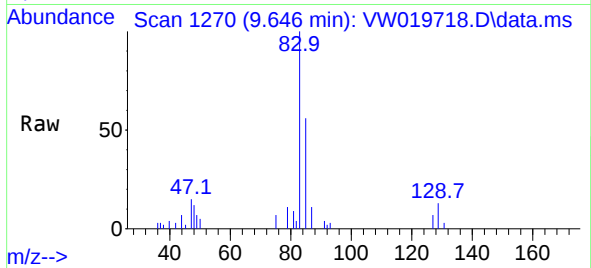


Tgt Ion: 63 Resp: 4704  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.9 5.9



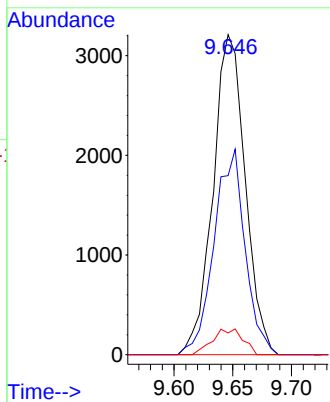
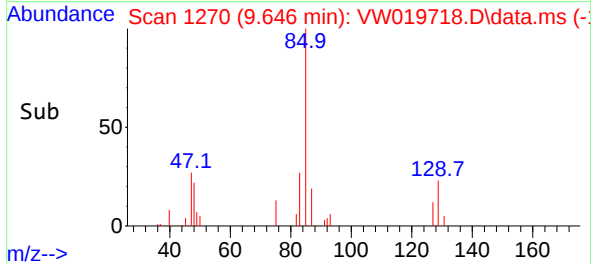


#38  
Bromodichloromethane  
Concen: 1.019 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion: 83 Resp: 6129

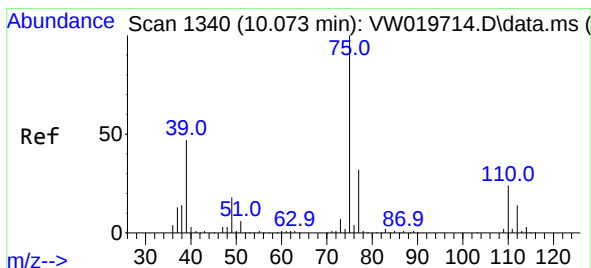
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 55.9  | 42.3  | 78.5  |
| 127 | 6.8   | 6.6   | 9.8   |



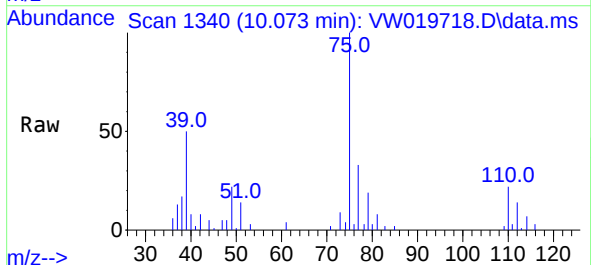
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

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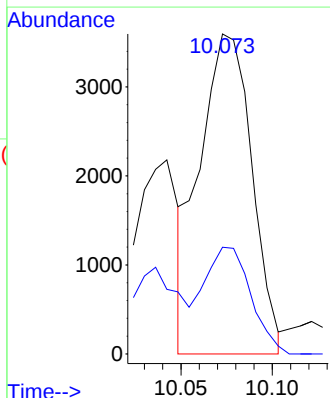
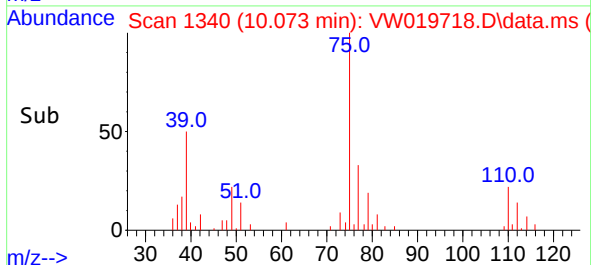


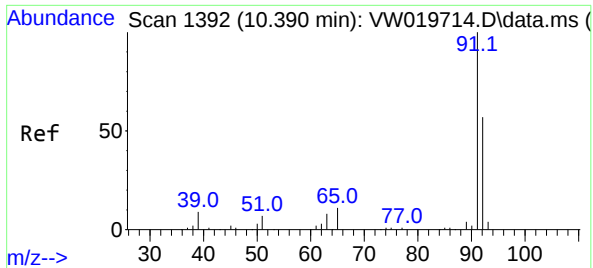
#39  
cis-1,3-Dichloropropene  
Concen: 0.985 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion: 75 Resp: 7136

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.4  | 22.6  | 42.0  |





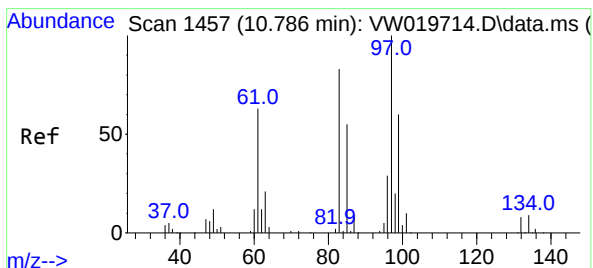
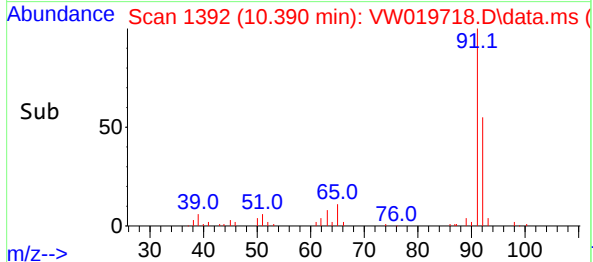
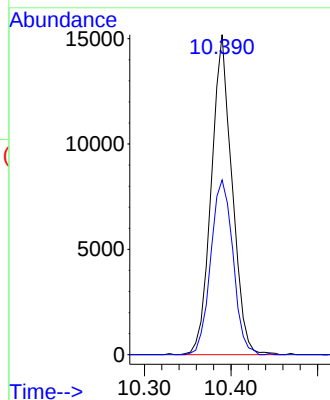
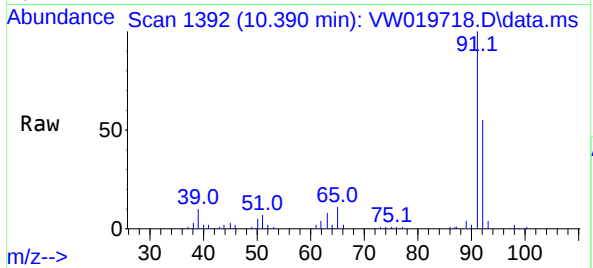
#42  
Toluene  
Concen: 1.266 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 91 Resp: 25257  
Ion Ratio Lower Upper  
91 100  
92 54.6 39.5 73.3

Instrument :  
MSVOA\_W  
ClientSampleId :  
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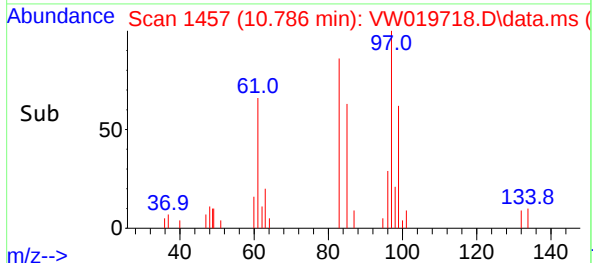
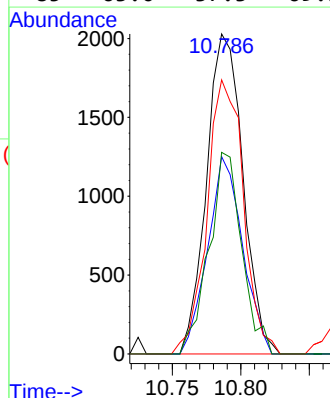
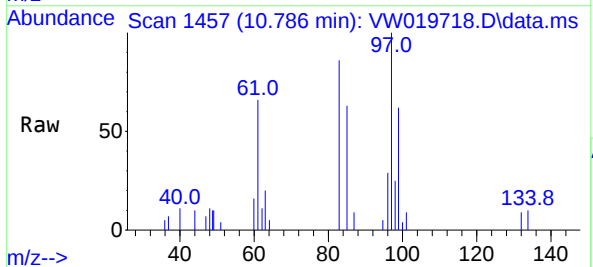
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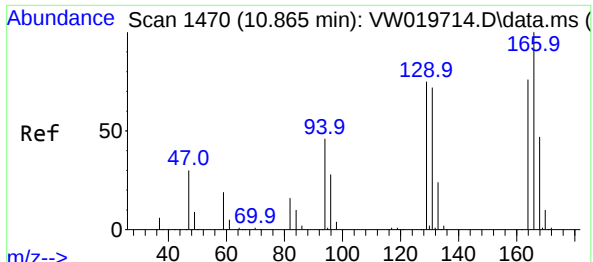
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#45  
1,1,2-Trichloroethane  
Concen: 1.068 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

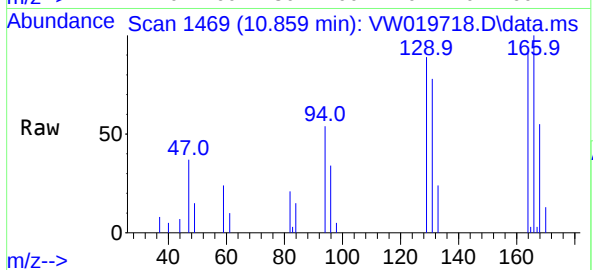
Tgt Ion: 97 Resp: 3750  
Ion Ratio Lower Upper  
97 100  
99 61.7 45.1 83.7  
83 85.7 58.1 107.9  
85 63.0 37.3 69.3





#46  
Tetrachloroethene  
Concen: 1.097 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

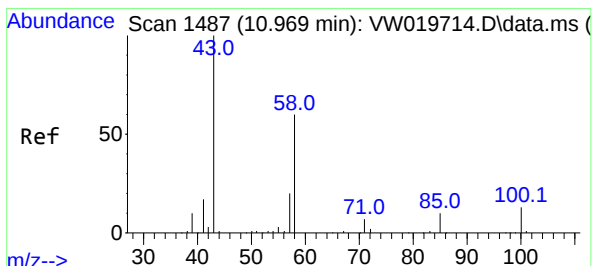
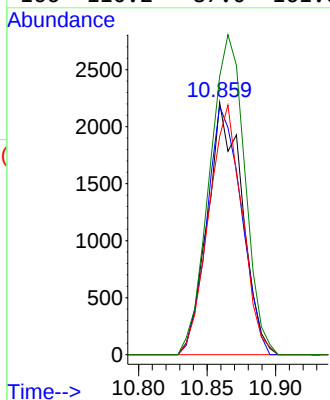
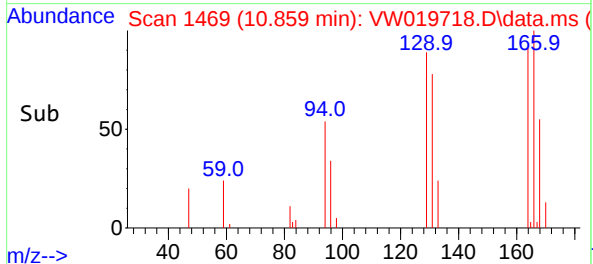
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07



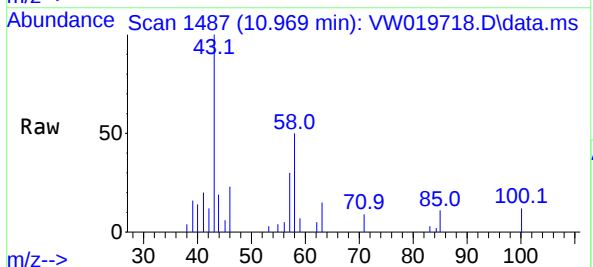
Tgt Ion:164 Resp: 3886  
Ion Ratio Lower Upper  
164 100  
129 98.5 66.7 123.9  
131 86.4 61.1 113.5  
166 110.2 87.0 161.6

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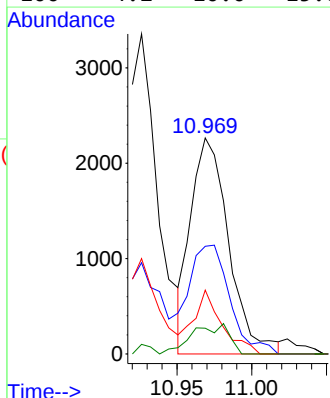
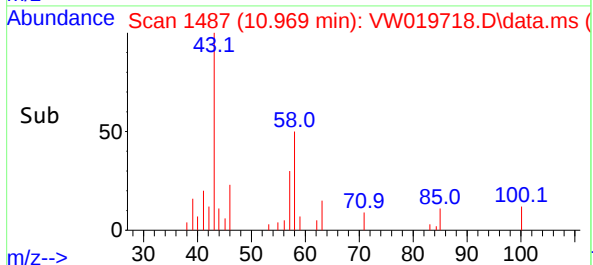
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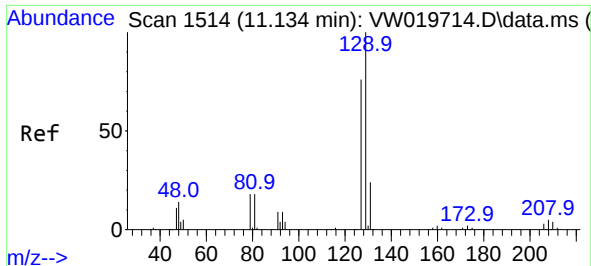


#48  
2-Hexanone  
Concen: 1.995 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion: 43 Resp: 4005  
Ion Ratio Lower Upper  
43 100  
58 48.2 42.7 64.1  
57 22.2 15.8 23.8  
100 4.2 10.0 15.0#





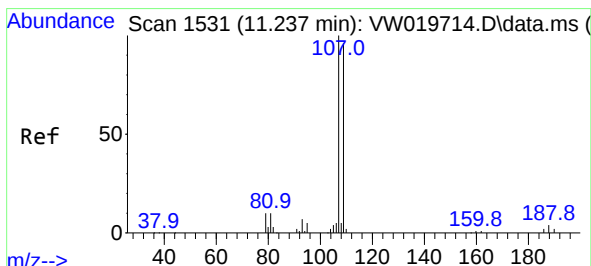
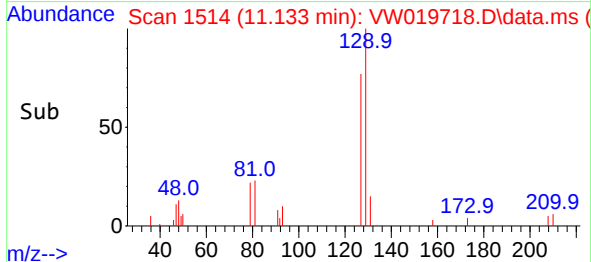
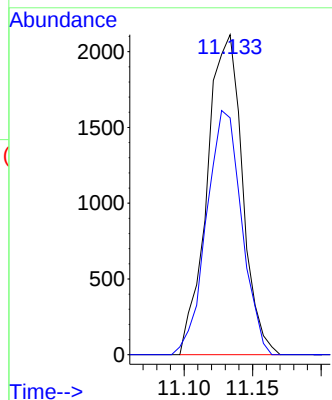
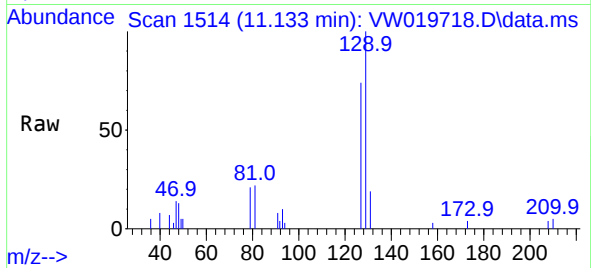
#49  
Dibromochloromethane  
Concen: 0.972 ug/L  
RT: 11.133 min Scan# 1514  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion:129 Resp: 3781  
Ion Ratio Lower Upper  
129 100  
127 74.0 51.7 95.9

Instrument :  
MSVOA\_W  
ClientSampleId :  
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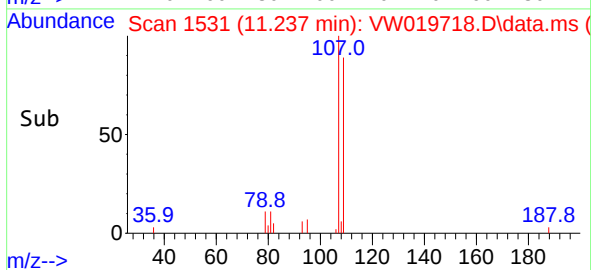
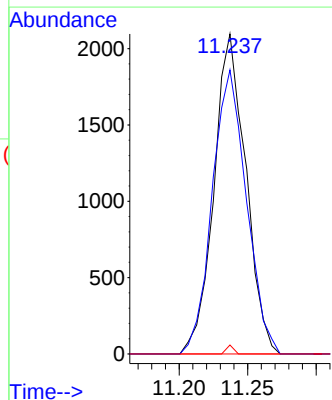
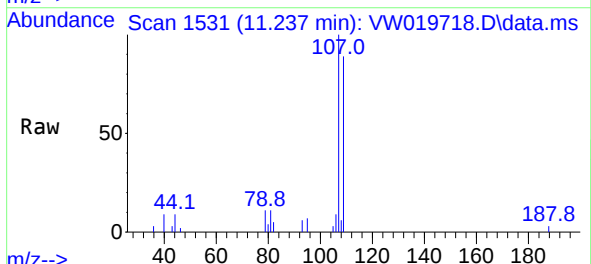
Manual Integrations  
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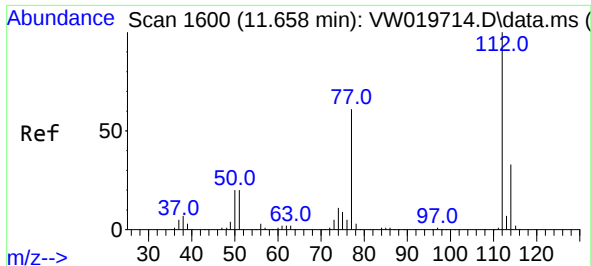
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#50  
1,2-Dibromoethane  
Concen: 1.014 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion:107 Resp: 3389  
Ion Ratio Lower Upper  
107 100  
109 88.7 65.4 121.4  
188 2.8 2.6 4.0





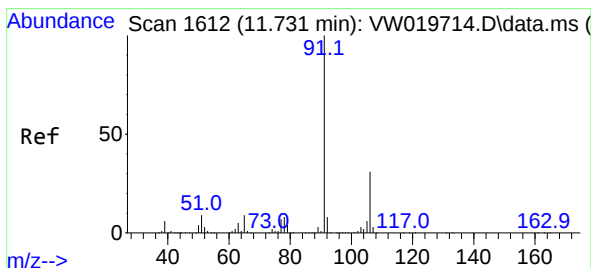
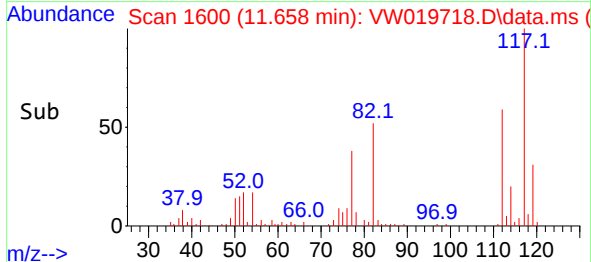
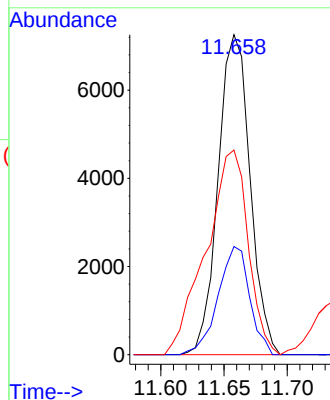
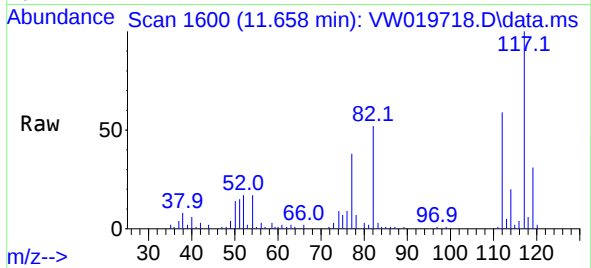
#51  
Chlorobenzene  
Concen: 1.046 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 112 Resp: 12753  
Ion Ratio Lower Upper  
112 100  
114 33.8 23.4 43.6  
77 64.0 47.6 71.4

Instrument :  
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ClientSampleId :  
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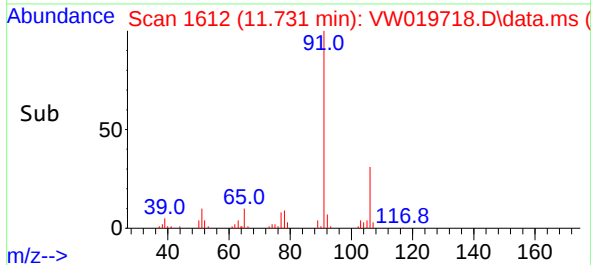
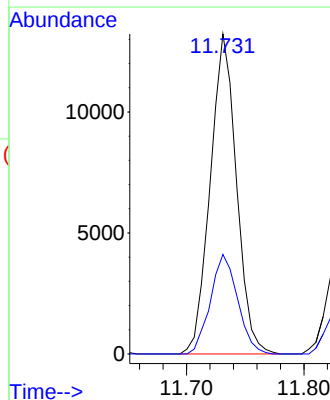
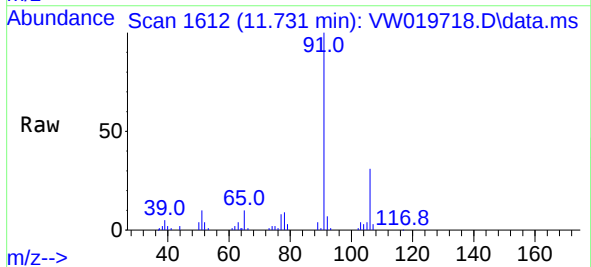
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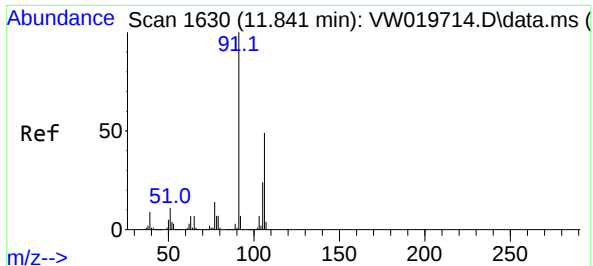
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#52  
Ethylbenzene  
Concen: 0.981 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

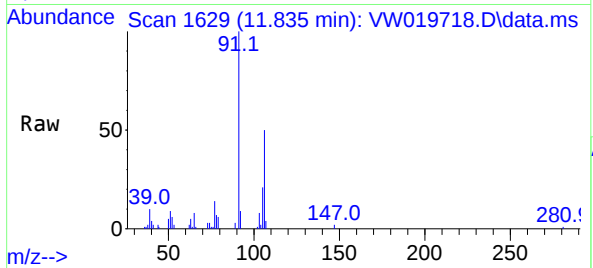
Tgt Ion: 91 Resp: 20513  
Ion Ratio Lower Upper  
91 100  
106 31.1 22.5 41.7





#53  
m,p-Xylene  
Concen: 0.981 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

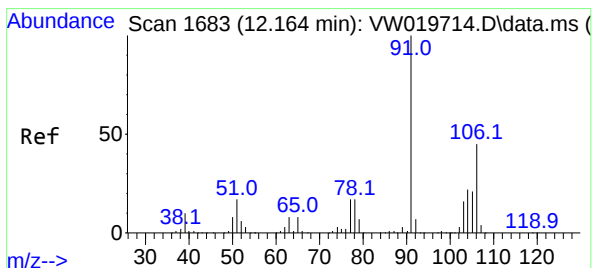
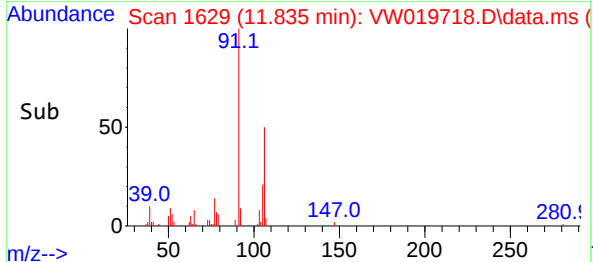
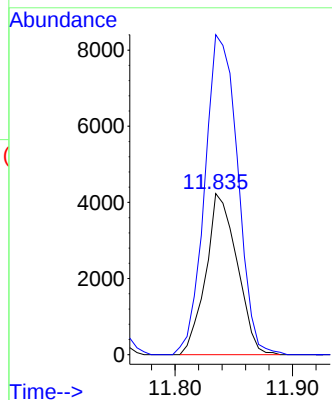
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07



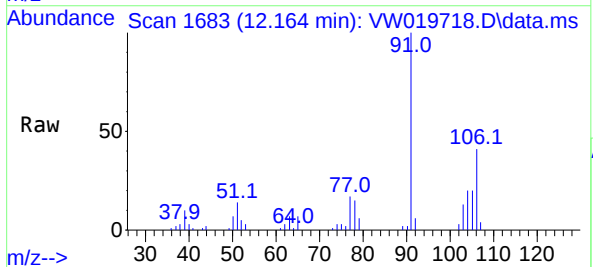
Tgt Ion:106 Resp: 7810  
Ion Ratio Lower Upper  
106 100  
91 198.7 141.3 262.3

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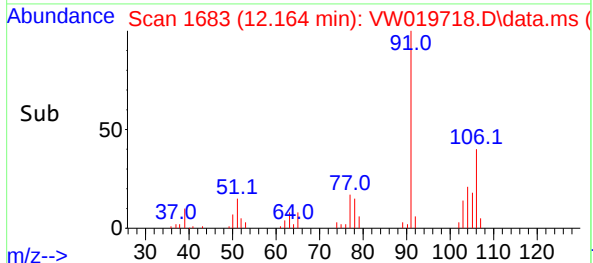
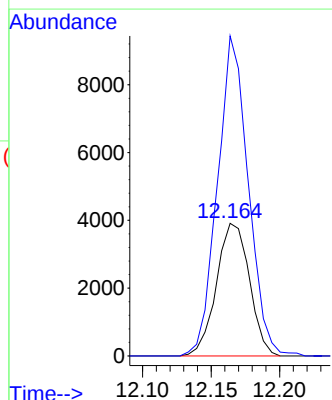
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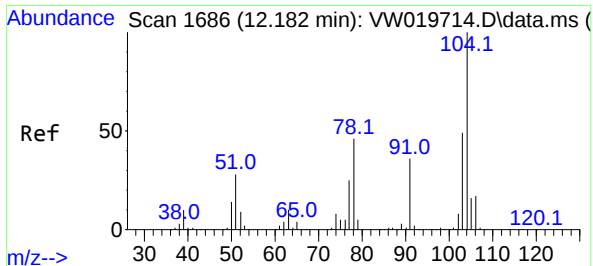


#54  
o-Xylene  
Concen: 0.853 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion:106 Resp: 6549  
Ion Ratio Lower Upper  
106 100  
91 241.2 150.0 278.6





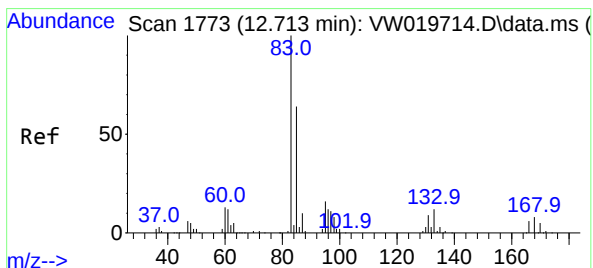
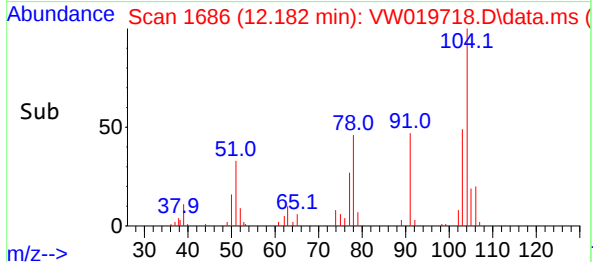
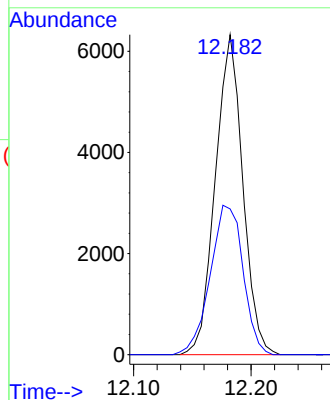
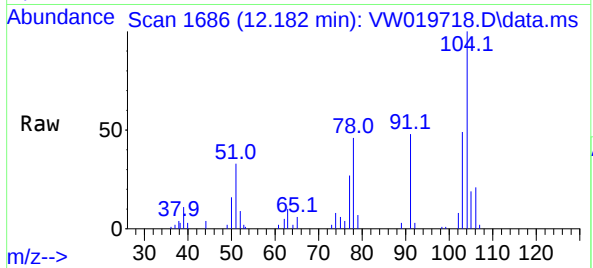
#55  
Styrene  
Concen: 0.779 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion:104 Resp: 10273  
Ion Ratio Lower Upper  
104 100  
78 45.5 32.5 60.3

Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT4-2021-07

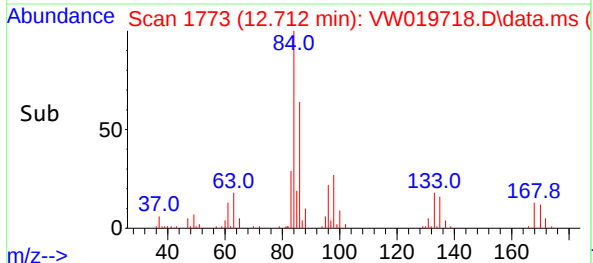
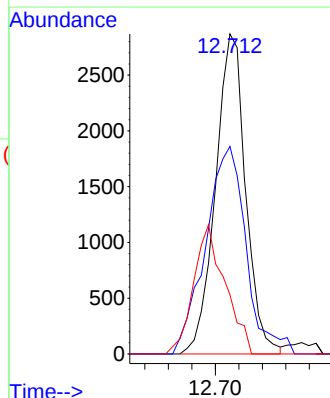
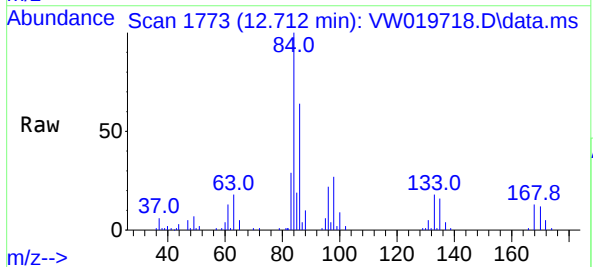
Manual Integrations  
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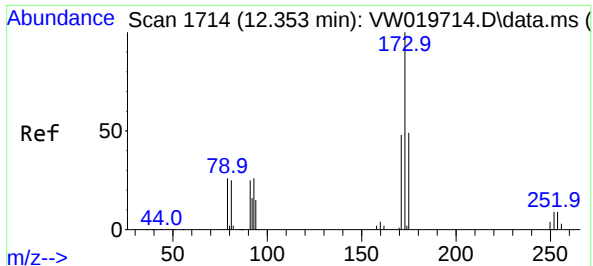
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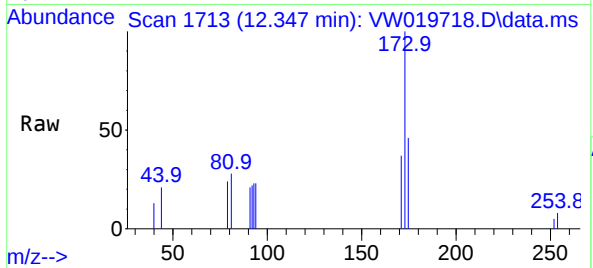
#57  
1,1,2,2-Tetrachloroethane  
Concen: 1.145 ug/L  
RT: 12.712 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 83 Resp: 5118  
Ion Ratio Lower Upper  
83 100  
85 64.8 44.4 82.4  
131 18.5 8.2 12.4#

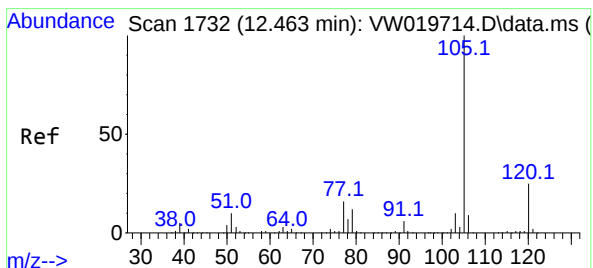
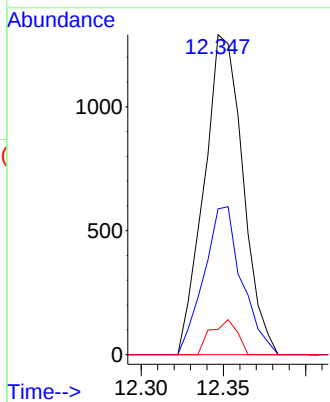
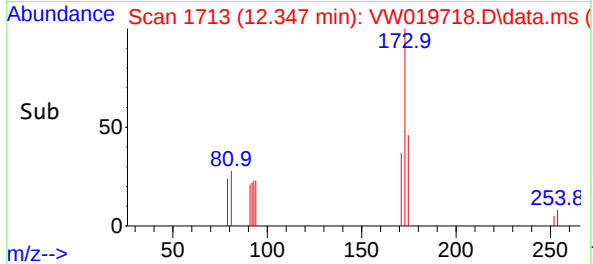




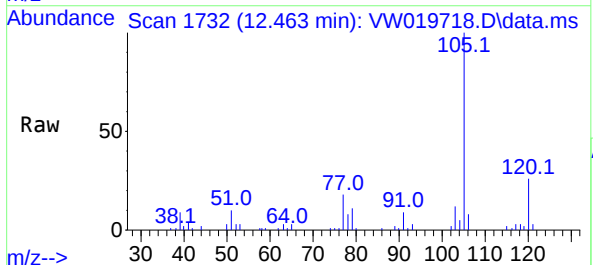
#59  
Bromoform  
Concen: 1.041 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



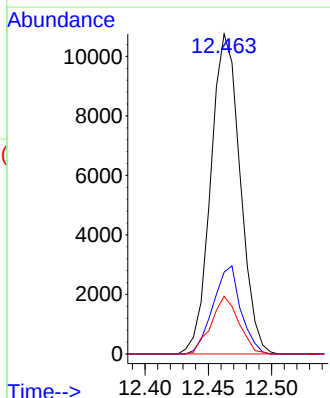
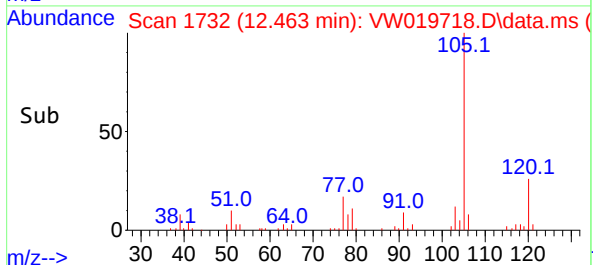
Tgt Ion:173 Resp: 2118  
Ion Ratio Lower Upper  
173 100  
175 45.2 37.5 56.3  
254 7.4 7.0 10.4



#60  
Isopropylbenzene  
Concen: 0.950 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



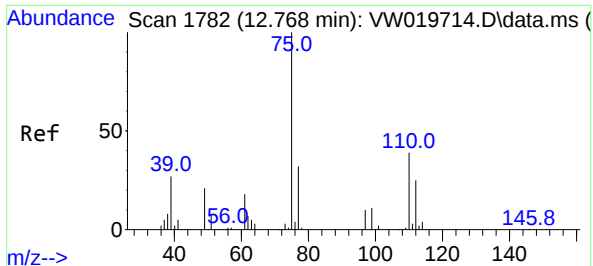
Tgt Ion:105 Resp: 17380  
Ion Ratio Lower Upper  
105 100  
120 25.9 21.1 31.7  
77 17.0 13.2 19.8



Instrument :  
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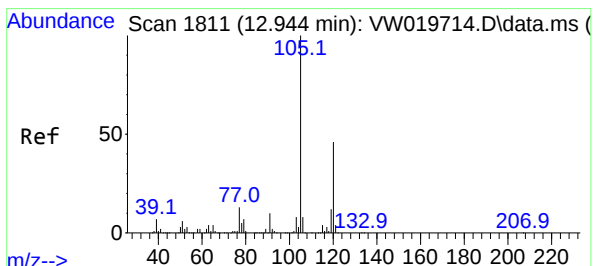
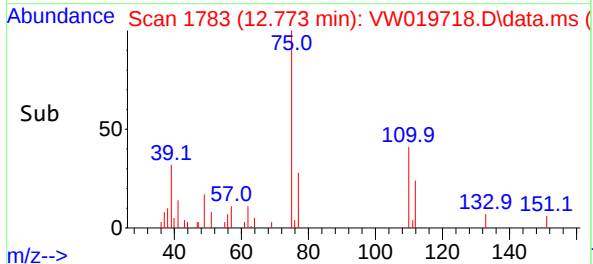
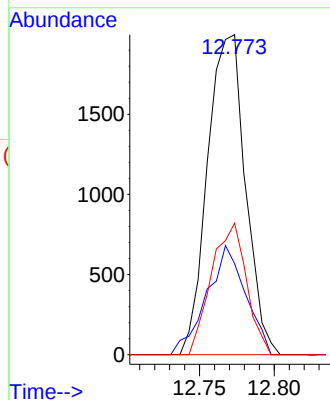
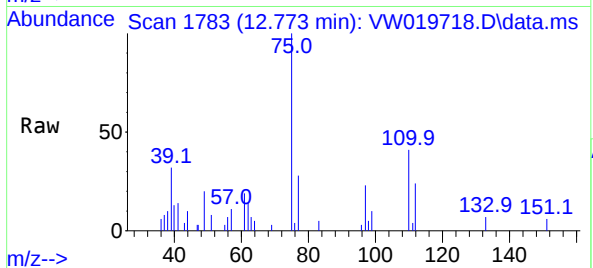
#61  
1,2,3-Trichloropropane  
Concen: 1.164 ug/L  
RT: 12.773 min Scan# 1783  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 75 Resp: 3522  
Ion Ratio Lower Upper  
75 100  
77 35.0 25.3 37.9  
110 38.0 32.6 48.8

Instrument :  
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ClientSampleId :  
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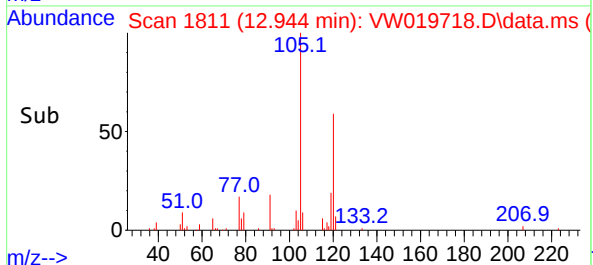
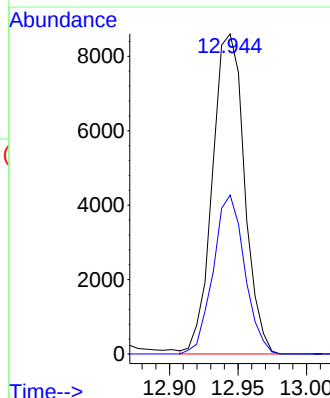
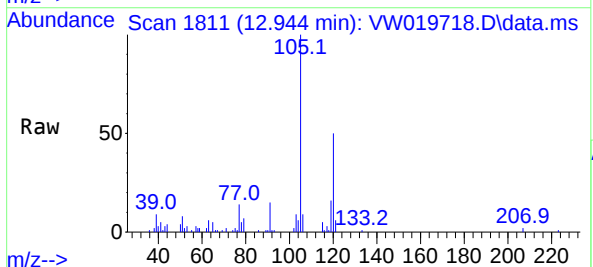
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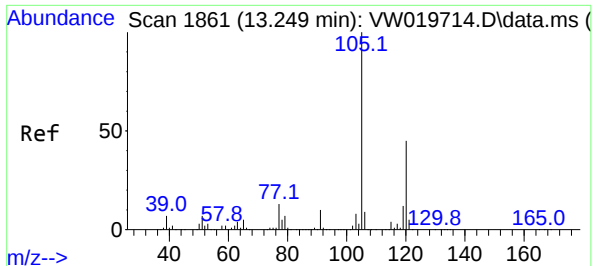
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#62  
1,3,5-Trimethylbenzene  
Concen: 0.918 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

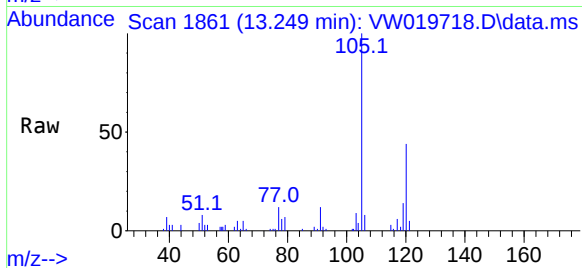
Tgt Ion: 105 Resp: 13997  
Ion Ratio Lower Upper  
105 100  
120 48.6 39.0 58.6





#63  
1,2,4-Trimethylbenzene  
Concen: 0.886 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

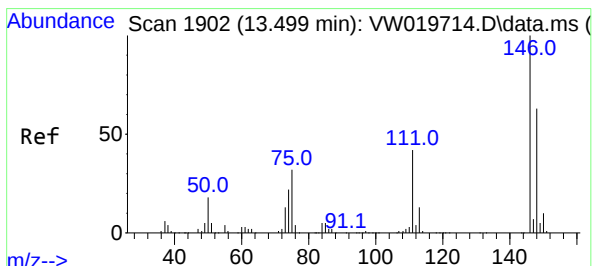
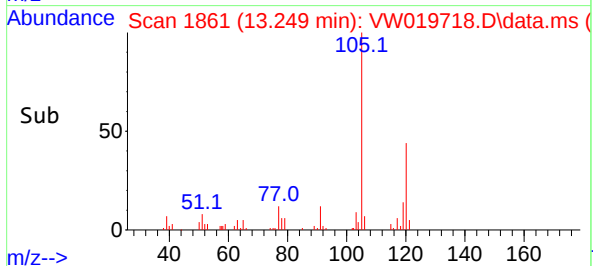
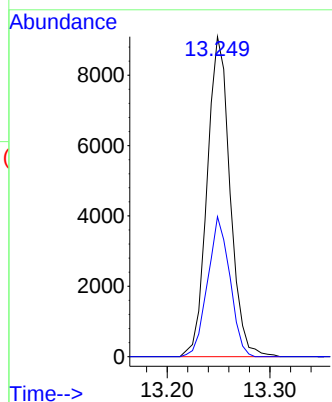
Instrument :  
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ClientSampleId :  
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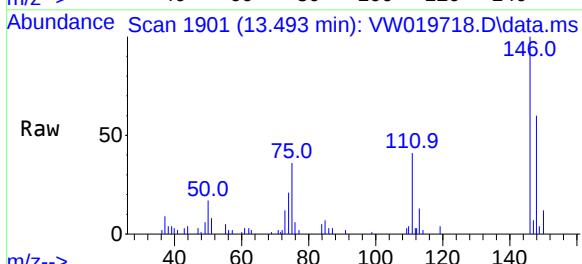
Tgt Ion:105 Resp: 14089  
Ion Ratio Lower Upper  
105 100  
120 42.3 35.6 53.4

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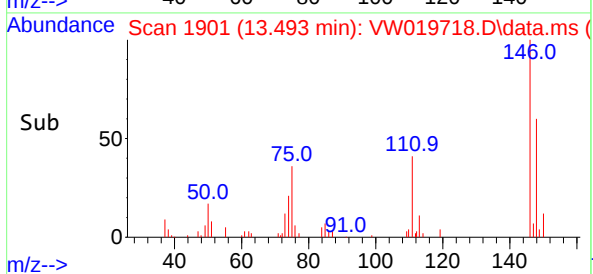
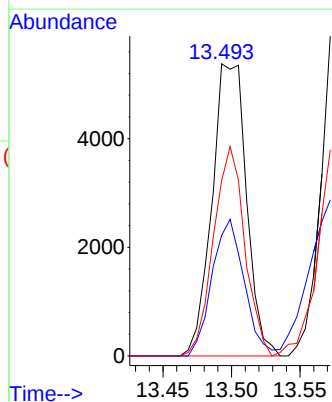
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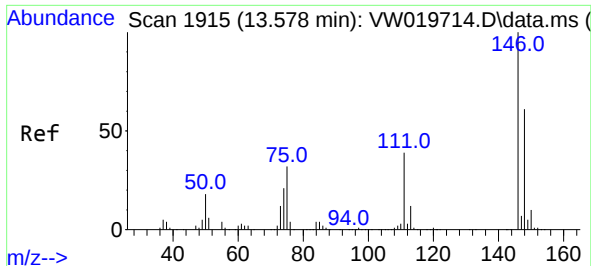


#64  
1,3-Dichlorobenzene  
Concen: 1.063 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



Tgt Ion:146 Resp: 9421  
Ion Ratio Lower Upper  
146 100  
111 41.3 26.7 49.7  
148 59.9 41.1 76.3





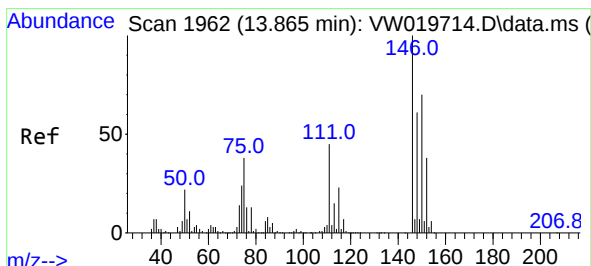
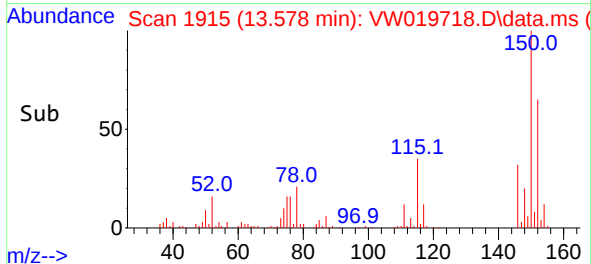
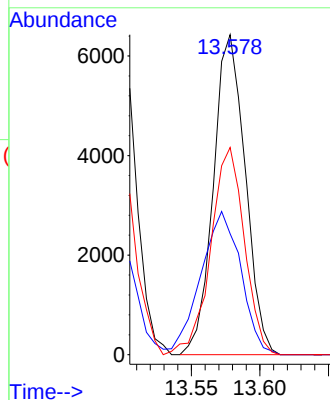
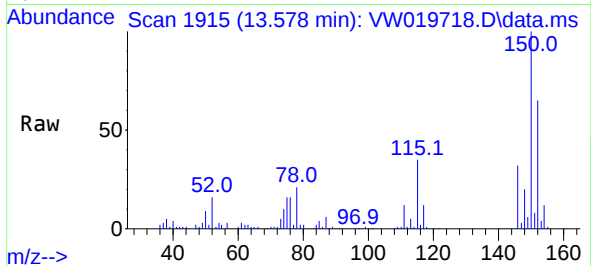
#65  
1,4-Dichlorobenzene  
Concen: 1.165 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 10410 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 37.8  | 28.8  | 53.4  |
| 148       | 64.8  | 46.8  | 87.0  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
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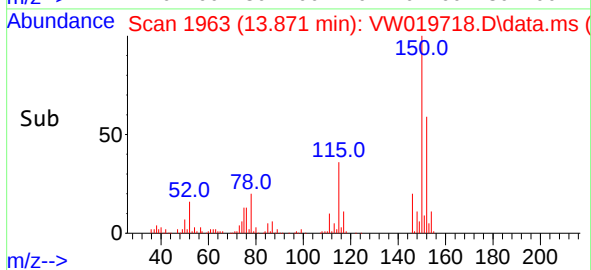
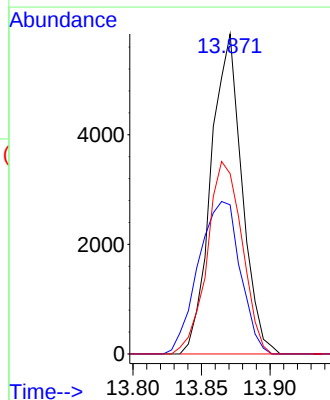
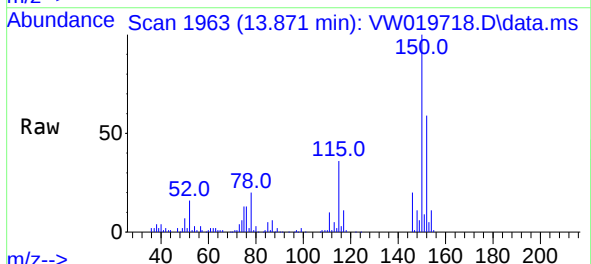
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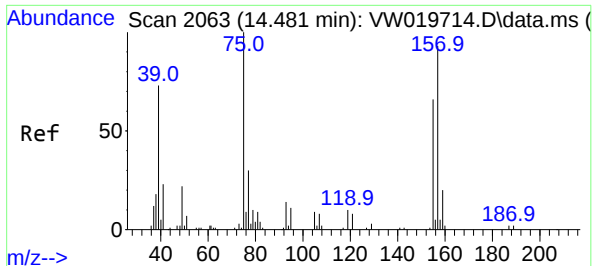
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#67  
1,2-Dichlorobenzene  
Concen: 1.179 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 9174 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 46.6  | 33.2  | 49.8 |
| 148       | 56.4  | 50.4  | 75.6 |





#68

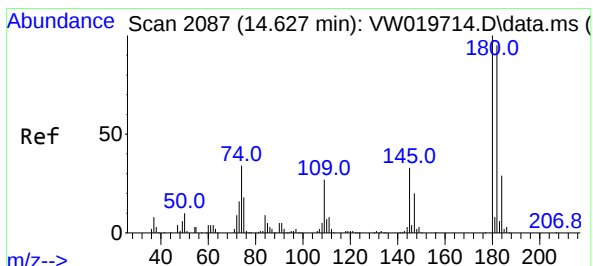
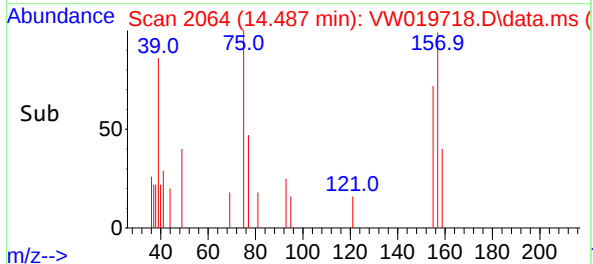
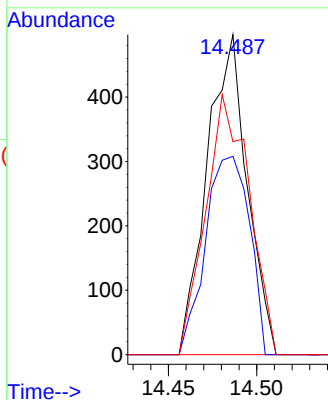
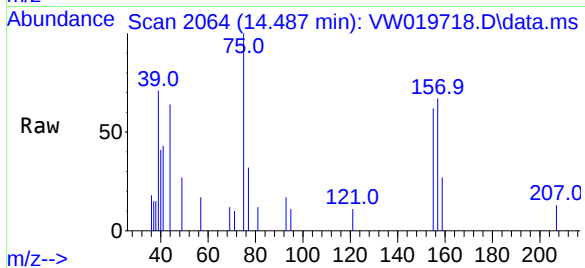
1,2-Dibromo-3-chloropropane  
Concen: 1.331 ug/L m  
RT: 14.487 min Scan# 2064  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion: 75 Resp: 786  
Ion Ratio Lower Upper  
75 100  
155 62.0 59.4 89.0  
157 66.6 72.2 108.2#

Instrument :  
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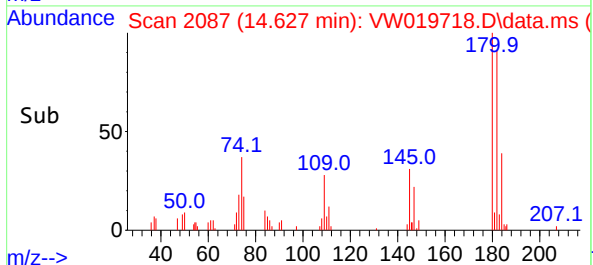
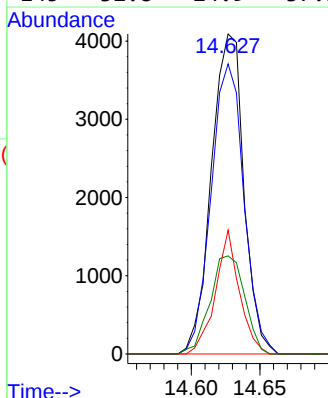
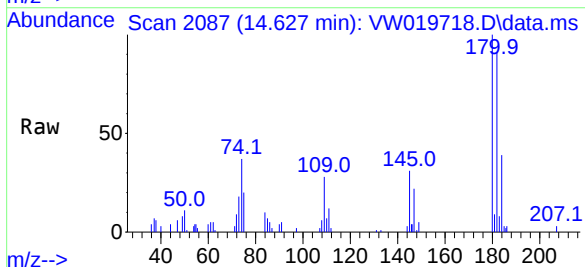
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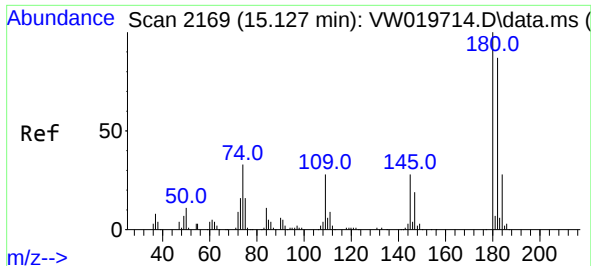


#69

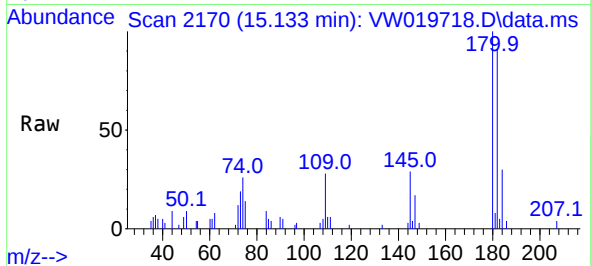
1,3,5-Trichlorobenzene  
Concen: 1.187 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34

Tgt Ion:180 Resp: 6721  
Ion Ratio Lower Upper  
180 100  
182 91.6 73.4 110.2  
184 28.6 23.6 35.4  
145 32.8 24.9 37.3

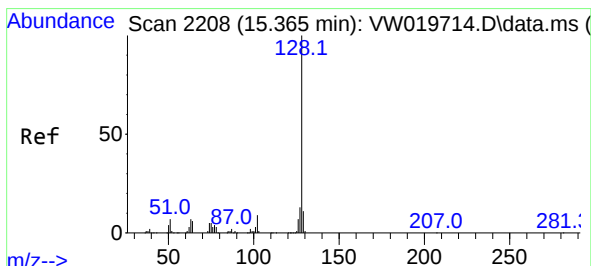
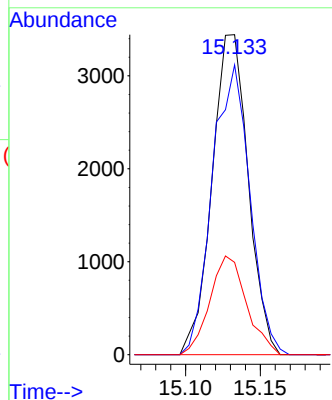
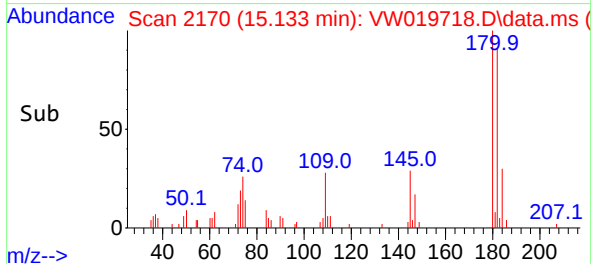




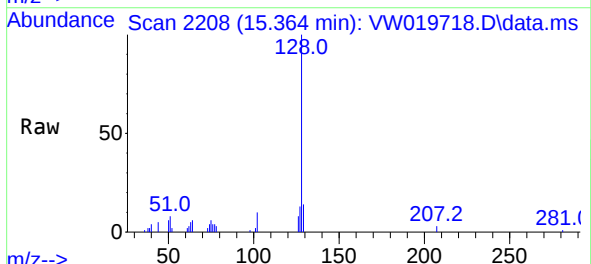
#70  
1,2,4-trichlorobenzene  
Concen: 1.216 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.006 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



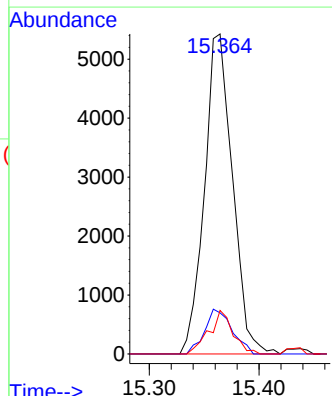
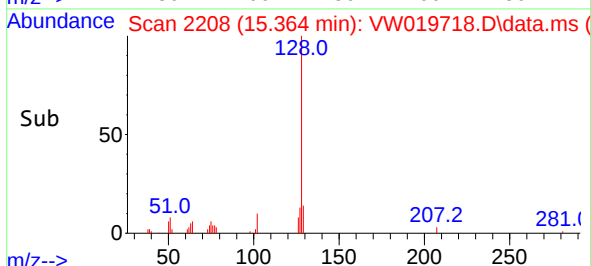
Tgt Ion:180 Resp: 5797  
Ion Ratio Lower Upper  
180 100  
182 93.8 74.7 112.1  
145 31.3 25.0 37.4



#71  
Naphthalene  
Concen: 1.041 ug/L  
RT: 15.364 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW019718.D  
Acq: 12 Aug 2021 10:34



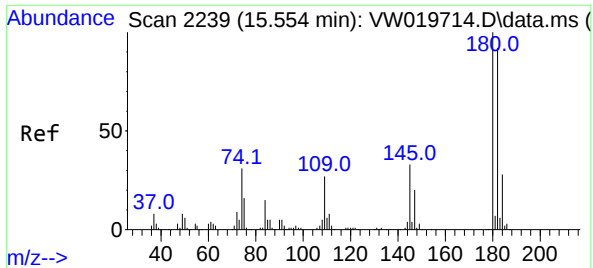
Tgt Ion:128 Resp: 9645  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.6 15.8  
129 11.6 9.0 13.6



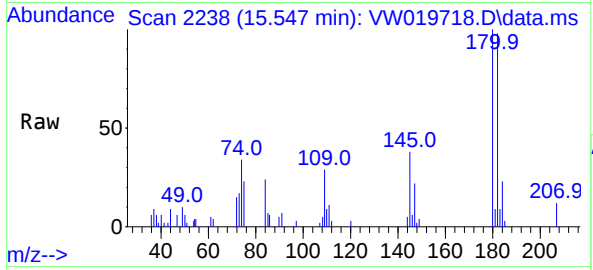
Instrument :  
MSVOA\_W  
ClientSampleId :  
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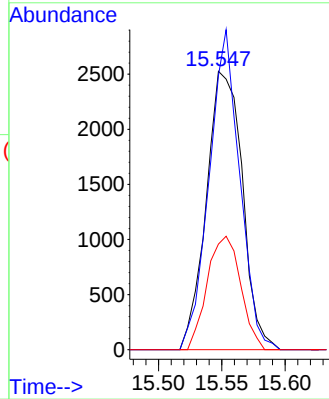
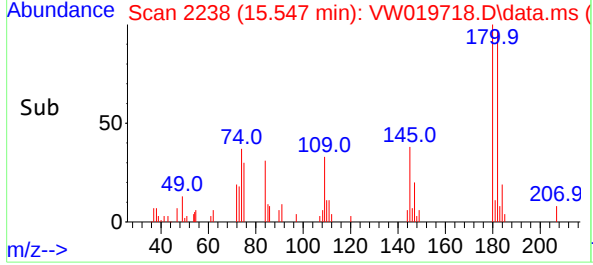
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#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.186 ug/L  
 RT: 15.547 min Scan# 2238  
 Delta R.T. -0.006 min  
 Lab File: VW019718.D  
 Acq: 12 Aug 2021 10:34



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 5001  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.6  | 76.7  | 115.1 |
| 145      | 37.8  | 28.9  | 43.3  |



Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT4-2021-07

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