

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD063023\  
 Data File : VD076674.D  
 Acq On : 30 Jun 2023 20:33  
 Operator : KP/SY  
 Sample : 03444-06  
 Misc : 6.74G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A46T1

Quant Time: Jul 03 01:32:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 01:50:34 2023  
 Response via : Initial Calibration

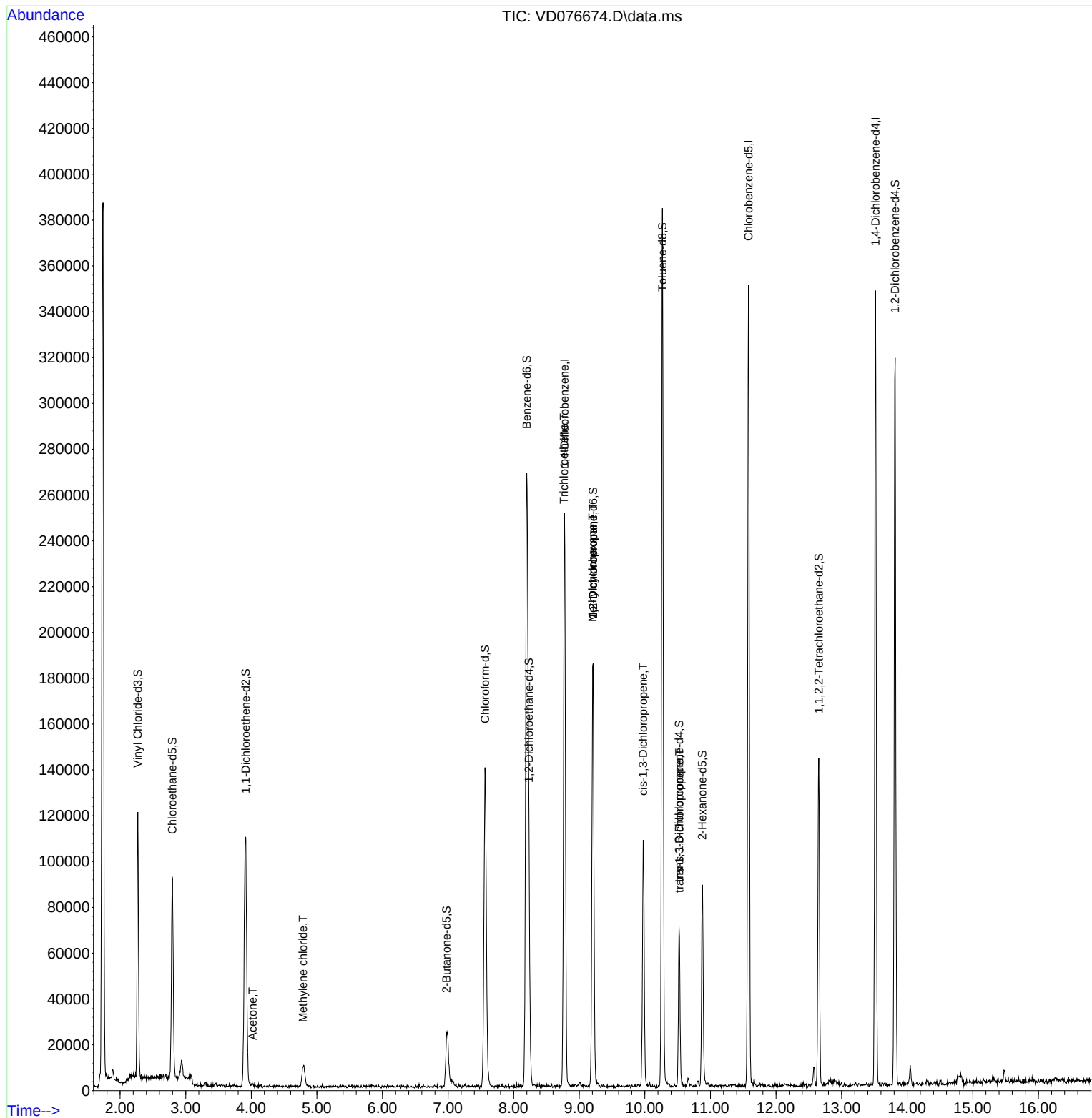
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 218246   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 193168   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 89691    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 103621   | 19.496   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 89098    | 20.732   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.920%  |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 32235    | 23.235   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 92.920%  |
| 21) 2-Butanone-d5             | 6.975  | 46    | 19792    | 24.588   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 49.180%  |
| 24) Chloroform-d              | 7.563  | 84    | 137129   | 23.849   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 79324    | 27.965   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 111.840% |
| 32) Benzene-d6                | 8.198  | 84    | 278257   | 23.548   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 88428    | 23.445   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.760%  |
| 41) Toluene-d8                | 10.269 | 98    | 256824   | 23.473   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.880%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 36842    | 23.484   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.920%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 31211    | 53.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.620% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 70671    | 26.336   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 83337    | 25.349   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 13) Acetone                   | 4.022  | 43    | 1100     | 1.692    | ug/L   | 54       |
| 16) Methylene chloride        | 4.787  | 84    | 3071     | 0.810    | ug/L   | 94       |
| 34) Trichloroethene           | 8.769  | 95    | 5772     | 1.758    | ug/L # | 4        |
| 35) Methylcyclohexane         | 9.204  | 83    | 21248    | 4.012    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 10211    | 2.930    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 3353     | 0.630    | ug/L   | 90       |
| 44) trans-1,3-Dichloropropene | 10.528 | 75    | 2208     | 0.510    | ug/L   | 90       |
| -----                         |        |       |          |          |        |          |

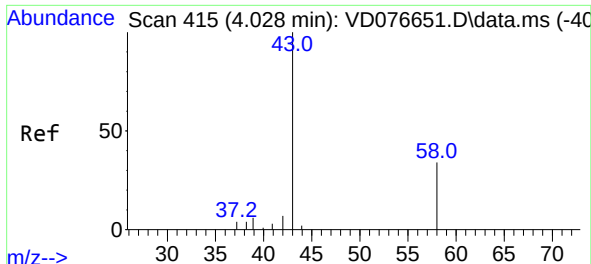
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

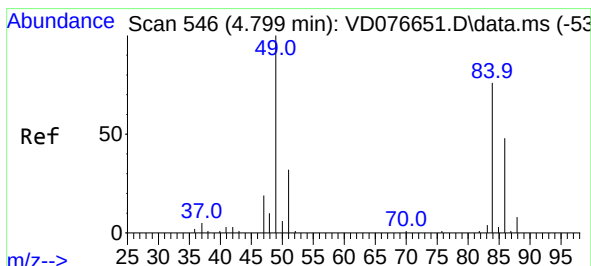
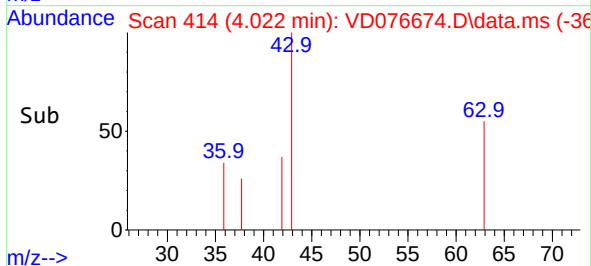
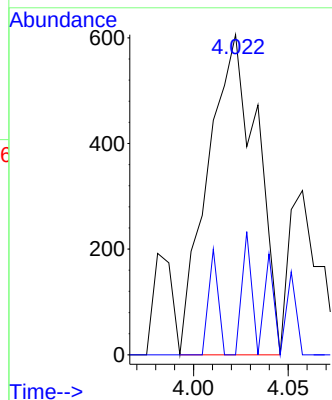
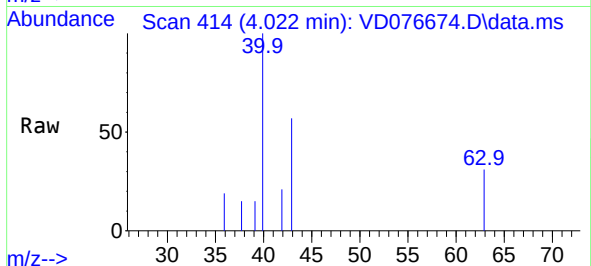




#13  
Acetone  
Concen: 1.692 ug/L  
RT: 4.022 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VD076674.D  
Acq: 30 Jun 2023 20:33

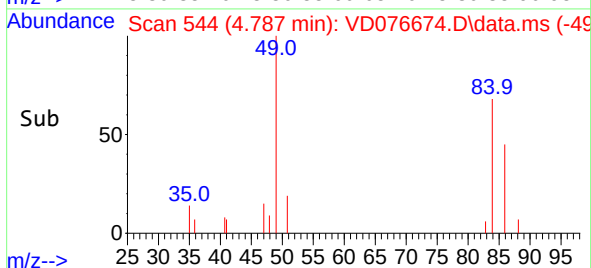
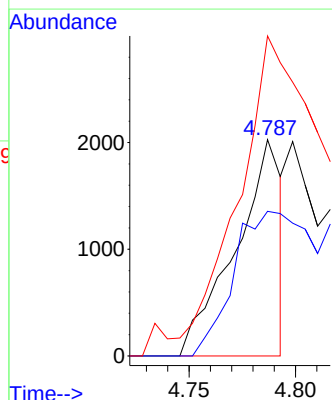
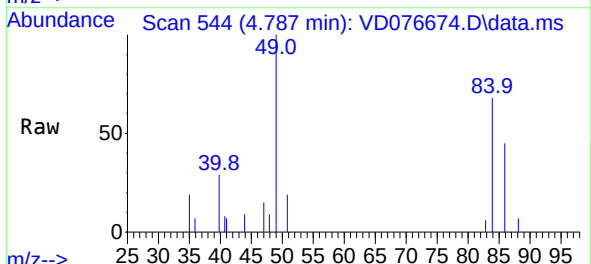
Instrument :  
MSVOA\_D  
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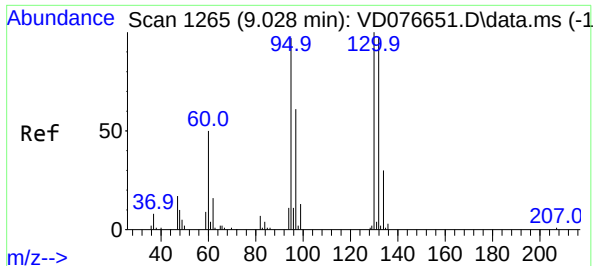
Tgt Ion: 43 Resp: 1100  
Ion Ratio Lower Upper  
43 100  
58 7.5 0.0 67.4



#16  
Methylene chloride  
Concen: 0.810 ug/L  
RT: 4.787 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VD076674.D  
Acq: 30 Jun 2023 20:33

Tgt Ion: 84 Resp: 3071  
Ion Ratio Lower Upper  
84 100  
86 66.9 45.1 83.9  
49 147.9 97.2 180.6



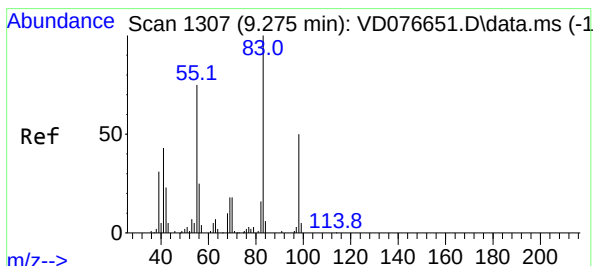
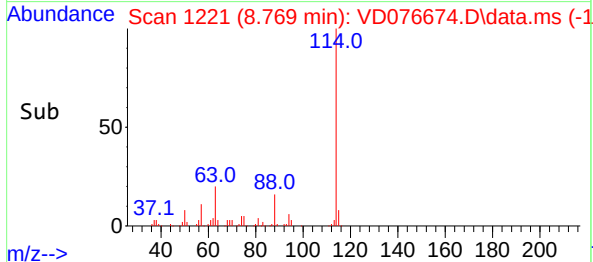
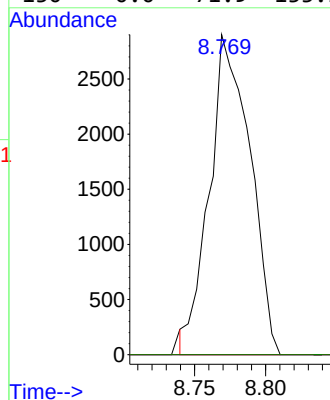
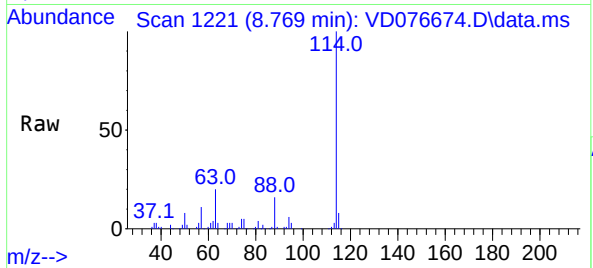


#34  
 Trichloroethene  
 Concen: 1.758 ug/L  
 RT: 8.769 min Scan# 11  
 Delta R.T. -0.259 min  
 Lab File: VD076674.D  
 Acq: 30 Jun 2023 20:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion: 95 Resp: 5772

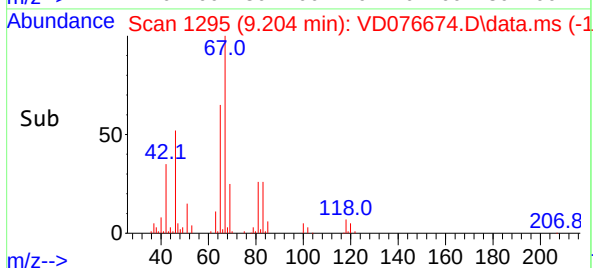
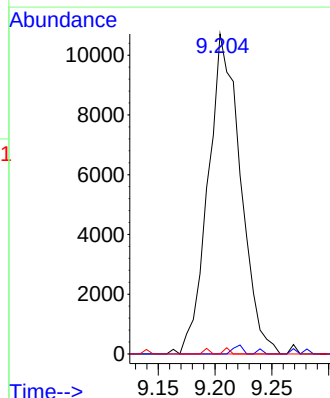
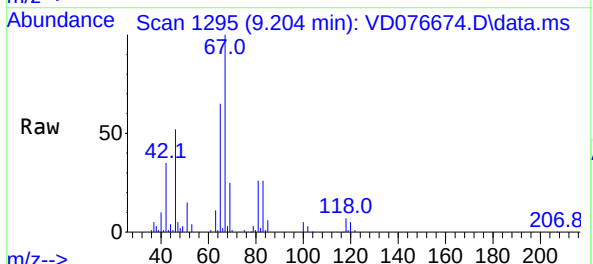
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 43.1  | 80.1#  |
| 132 | 0.0   | 71.8  | 133.4# |
| 130 | 0.0   | 71.9  | 133.5# |

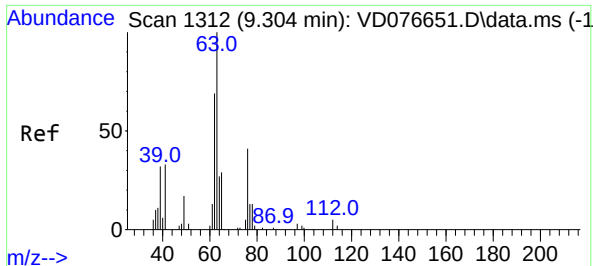


#35  
 Methylcyclohexane  
 Concen: 4.012 ug/L  
 RT: 9.204 min Scan# 1295  
 Delta R.T. -0.065 min  
 Lab File: VD076674.D  
 Acq: 30 Jun 2023 20:33

Tgt Ion: 83 Resp: 21248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.8   | 59.8  | 89.6# |
| 98  | 0.0   | 37.8  | 56.6# |

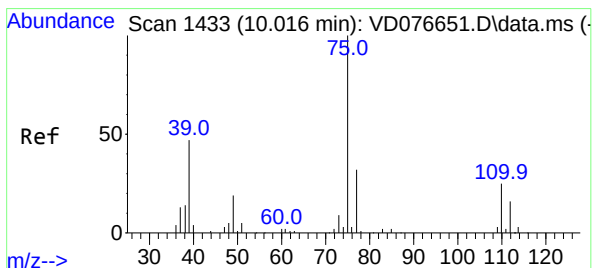
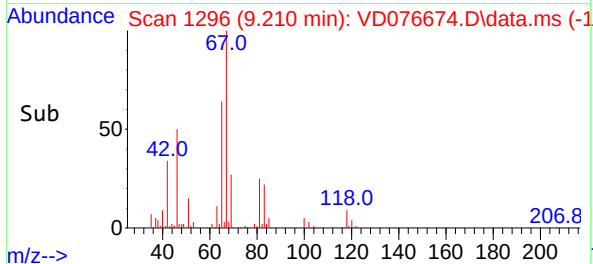
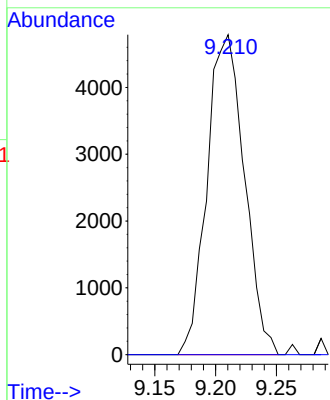
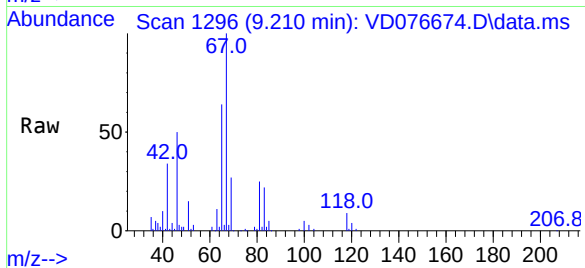




#37  
1,2-Dichloropropane  
Concen: 2.930 ug/L  
RT: 9.210 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VD076674.D  
Acq: 30 Jun 2023 20:33

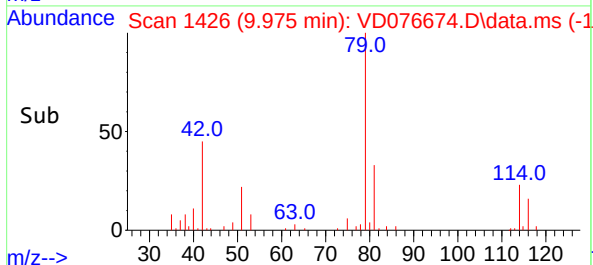
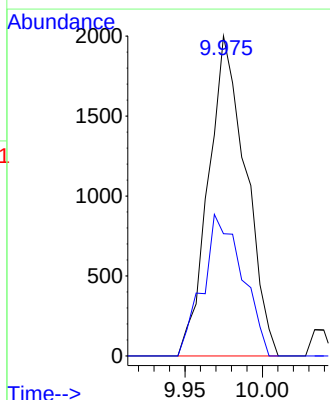
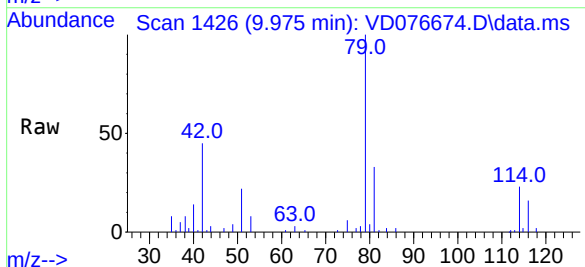
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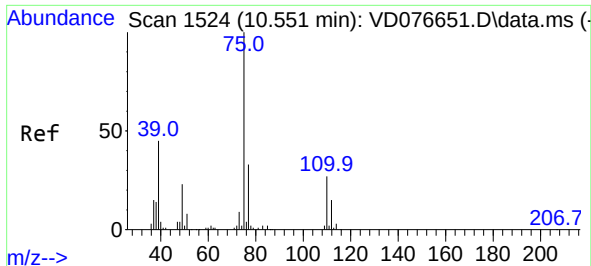
Tgt Ion: 63 Resp: 10211  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



#39  
cis-1,3-Dichloropropene  
Concen: 0.630 ug/L  
RT: 9.975 min Scan# 1426  
Delta R.T. -0.041 min  
Lab File: VD076674.D  
Acq: 30 Jun 2023 20:33

Tgt Ion: 75 Resp: 3353  
Ion Ratio Lower Upper  
75 100  
77 38.2 22.7 42.3





#44

trans-1,3-Dichloropropene

Concen: 0.510 ug/L

RT: 10.528 min Scan# 11

Delta R.T. -0.024 min

Lab File: VD076674.D

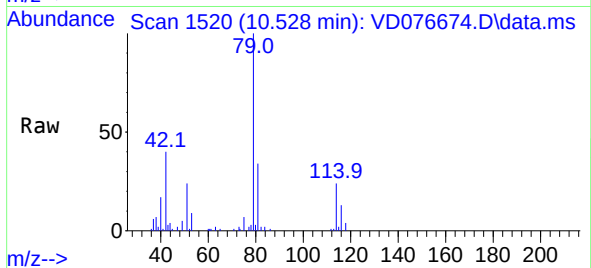
Acq: 30 Jun 2023 20:33

Instrument :

MSVOA\_D

ClientSampleId :

A46T1



Tgt Ion: 75 Resp: 2208

Ion Ratio Lower Upper

75 100

77 26.5 22.5 41.7

