

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042123\  
 Data File : VD075774.D  
 Acq On : 21 Apr 2023 14:30  
 Operator : KP/SY  
 Sample : 02447-06  
 Misc : 4.37G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EW911

Quant Time: Apr 22 03:55:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 22 03:53:08 2023  
 Response via : Initial Calibration

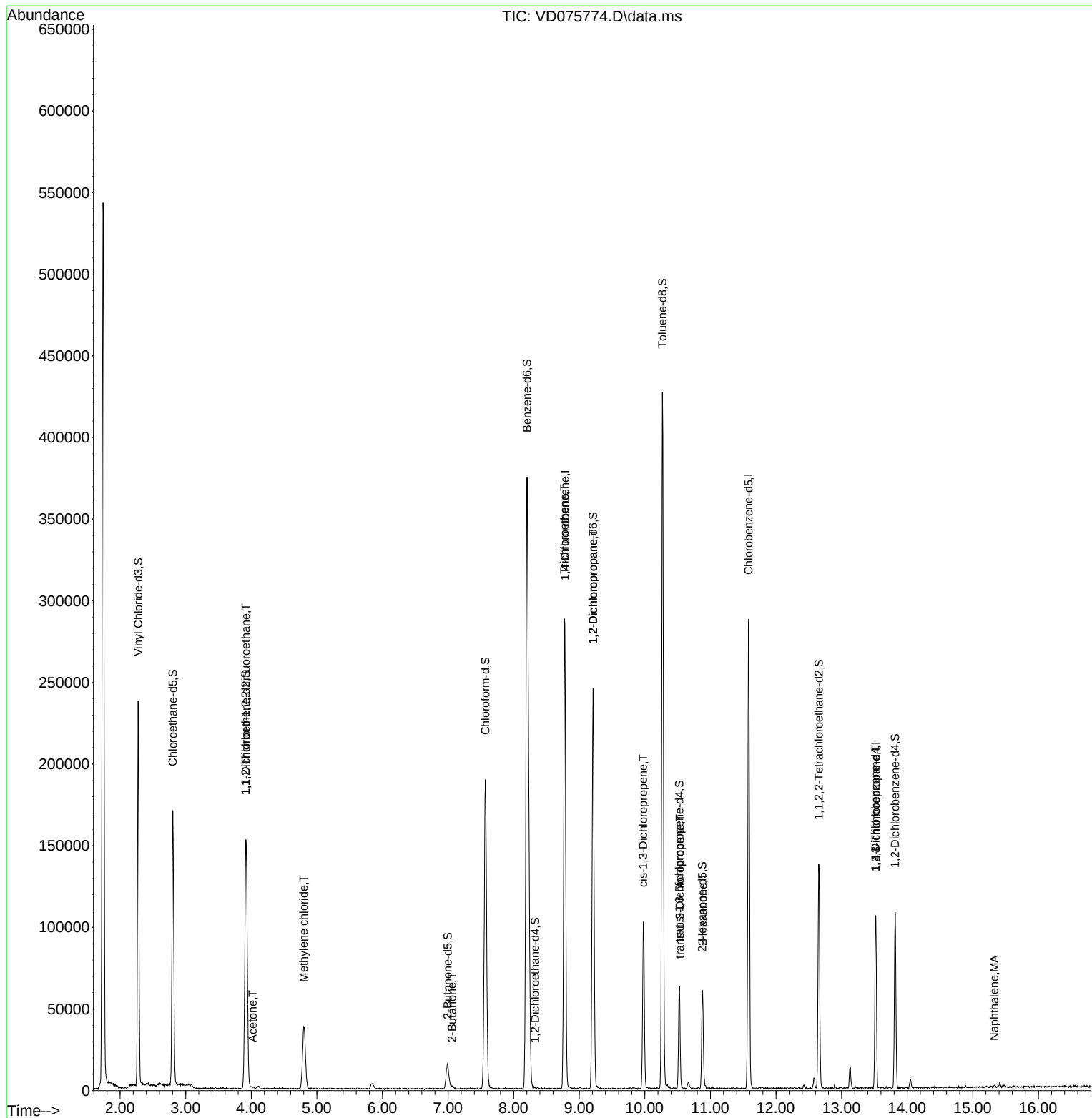
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 280117   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 183568   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 32436    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 222026   | 36.131   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 144.520%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 182421   | 34.358   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 137.440%  |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 41874    | 29.557   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 118.240%# |
| 21) 2-Butanone-d5             | 6.993  | 46    | 26938    | 50.496   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.000%  |
| 24) Chloroform-d              | 7.569  | 84    | 208215   | 29.725   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 118.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.328  | 65    | 84       | 0.028    | ug/L   | 0.09      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.120%#   |
| 32) Benzene-d6                | 8.204  | 84    | 437594   | 40.900   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 163.600%# |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 128289   | 43.320   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 173.280%# |
| 41) Toluene-d8                | 10.269 | 98    | 323058   | 32.253   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 129.000%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 36400    | 29.737   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 118.960%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 22441    | 62.935   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 74314    | 32.793   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 131.160%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 31105    | 27.111   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 108.440%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.916  | 101   | 1622     | 0.427    | ug/L # | 21        |
| 13) Acetone                   | 4.022  | 43    | 789      | 1.728    | ug/L   | 58        |
| 16) Methylene chloride        | 4.799  | 84    | 35269    | 6.207    | ug/L   | 95        |
| 22) 2-Butanone                | 7.057  | 43    | 1417     | 2.381    | ug/L # | 34        |
| 34) Trichloroethene           | 8.775  | 95    | 7050     | 2.455    | ug/L # | 2         |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 13192    | 5.172    | ug/L # | 85        |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 2401     | 0.592    | ug/L # | 42        |
| 44) trans-1,3-Dichloropropene | 10.534 | 75    | 1531     | 0.470    | ug/L   | 83        |
| 48) 2-Hexanone                | 10.881 | 43    | 2687     | 4.099    | ug/L # | 57        |
| 61) 1,2,3-Trichloropropane    | 13.522 | 75    | 3875     | 7.605    | ug/L # | 60        |
| 71) Naphthalene               | 15.328 | 128   | 1601     | 0.765    | ug/L # | 69        |
| -----                         |        |       |          |          |        |           |

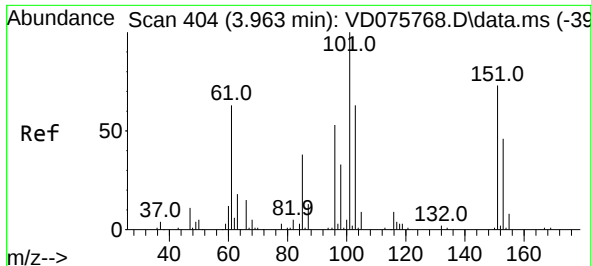
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Sat Apr 22 03:53:08 2023  
Response via : Initial Calibration

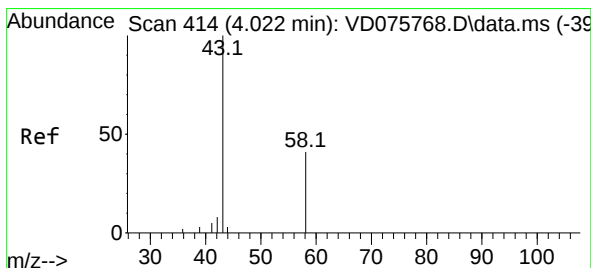
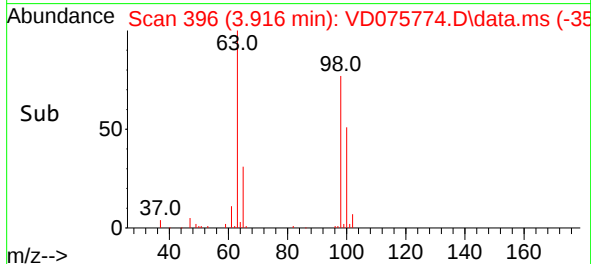
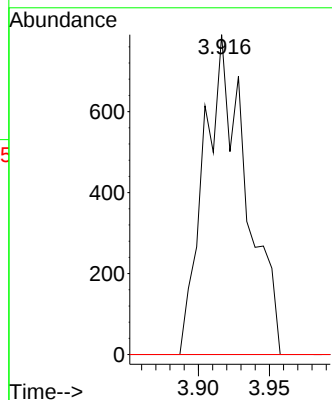
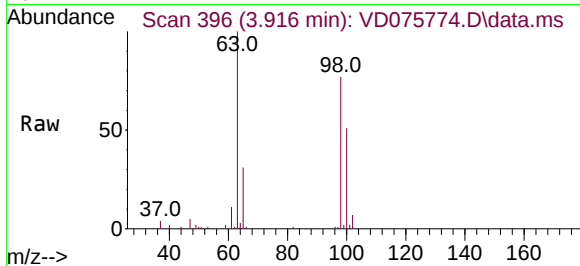




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.427 ug/L  
 RT: 3.916 min Scan# 396  
 Delta R.T. -0.047 min  
 Lab File: VD075774.D  
 Acq: 21 Apr 2023 14:30

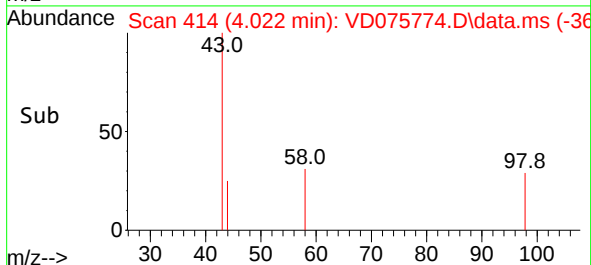
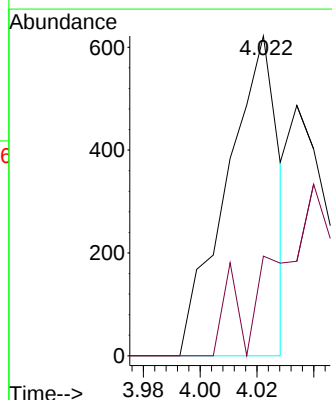
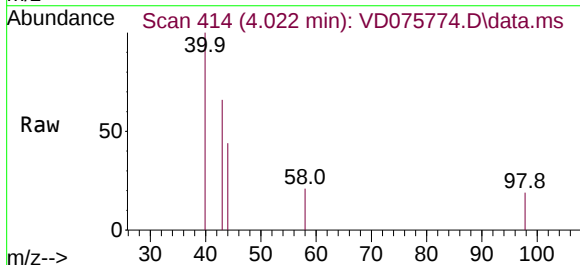
Instrument :  
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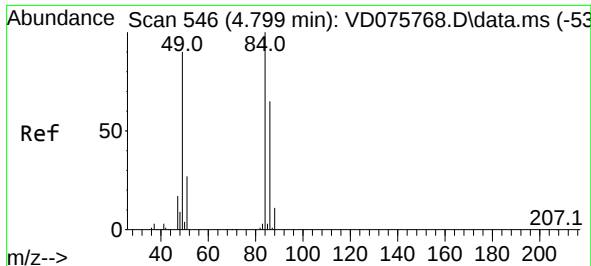
Tgt Ion:101 Resp: 1622  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.9 49.3#  
 151 0.0 57.2 85.8#



#13  
 Acetone  
 Concen: 1.728 ug/L  
 RT: 4.022 min Scan# 414  
 Delta R.T. -0.000 min  
 Lab File: VD075774.D  
 Acq: 21 Apr 2023 14:30

Tgt Ion: 43 Resp: 789  
 Ion Ratio Lower Upper  
 43 100  
 58 16.7 0.0 87.4

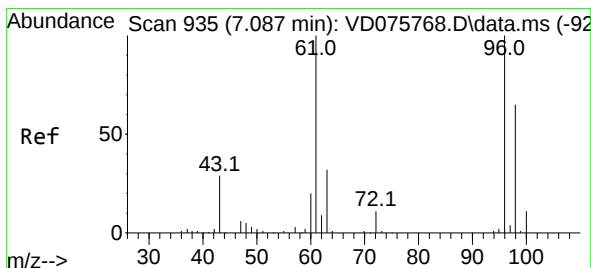
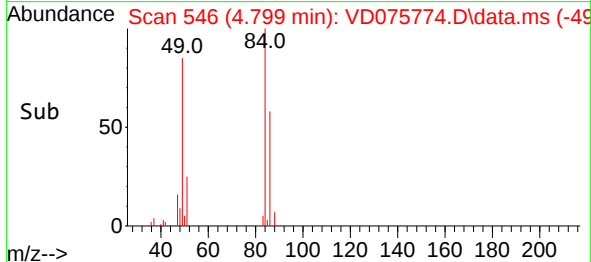
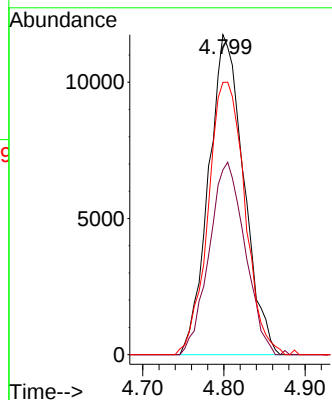
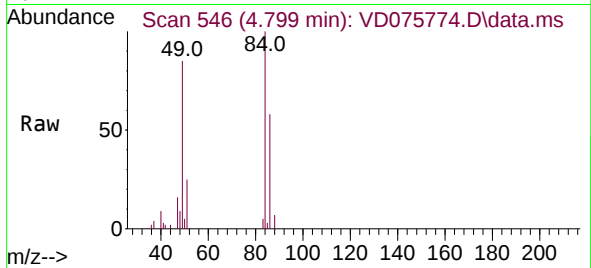




#16  
Methylene chloride  
Concen: 6.207 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD075774.D  
Acq: 21 Apr 2023 14:30

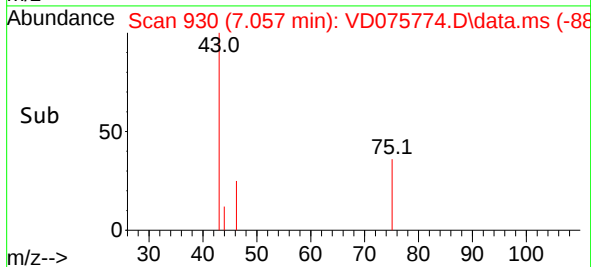
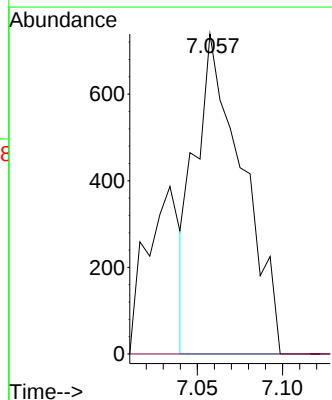
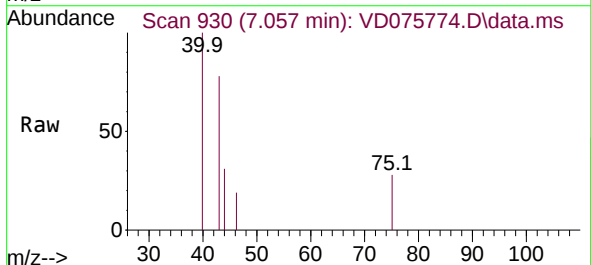
Instrument :  
MSVOA\_D  
ClientSampleId :  
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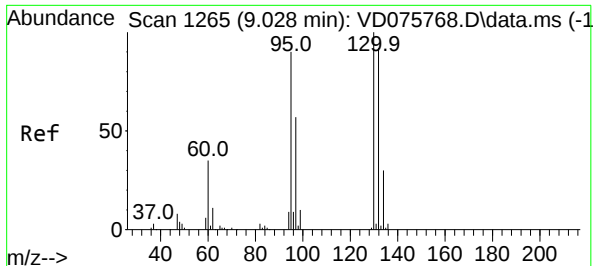
Tgt Ion: 84 Resp: 35269  
Ion Ratio Lower Upper  
84 100  
86 57.7 45.8 85.2  
49 85.1 60.8 112.8



#22  
2-Butanone  
Concen: 2.381 ug/L  
RT: 7.057 min Scan# 930  
Delta R.T. -0.029 min  
Lab File: VD075774.D  
Acq: 21 Apr 2023 14:30

Tgt Ion: 43 Resp: 1417  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 61.5#

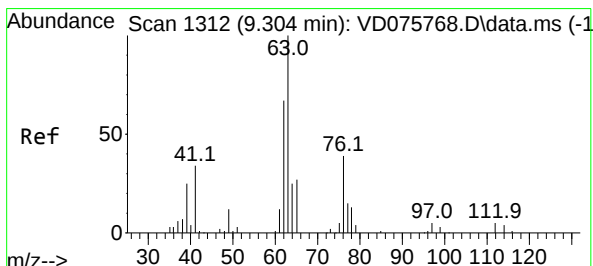
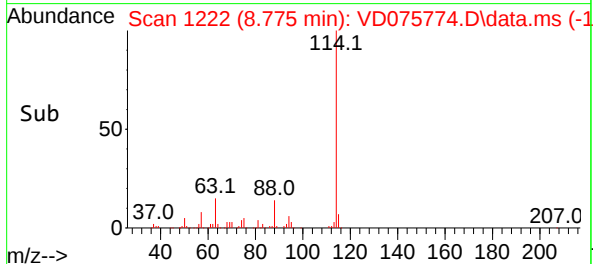
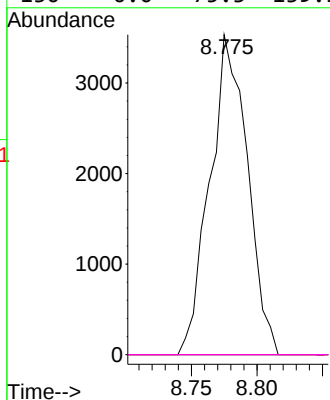
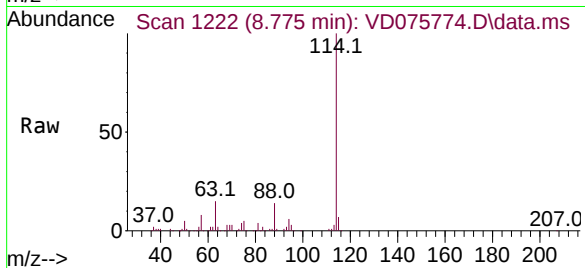




#34  
 Trichloroethene  
 Concen: 2.455 ug/L  
 RT: 8.775 min Scan# 11  
 Delta R.T. -0.253 min  
 Lab File: VD075774.D  
 Acq: 21 Apr 2023 14:30

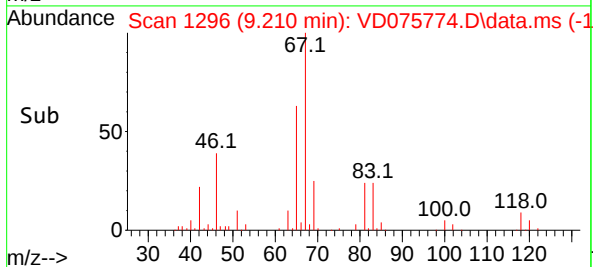
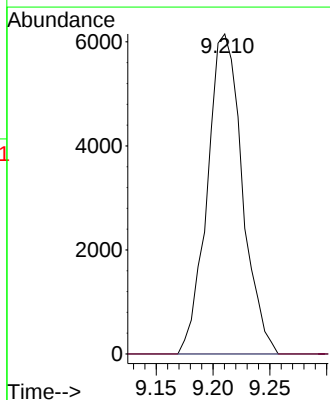
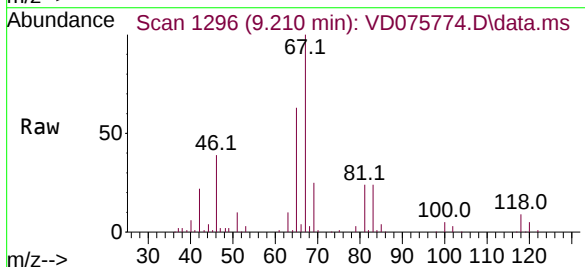
Instrument :  
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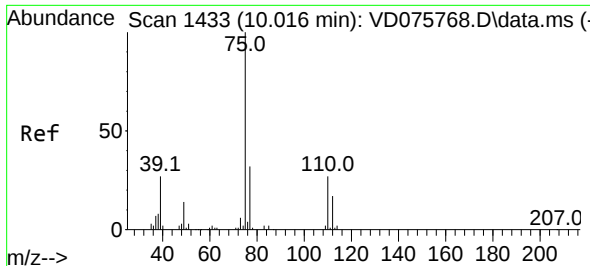
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 95 | Resp: | 7050        |
| Ion Ratio   | Lower | Upper       |
| 95          | 100   |             |
| 97          | 0.0   | 46.0 85.4#  |
| 132         | 0.0   | 73.3 136.1# |
| 130         | 0.0   | 75.3 139.9# |



#37  
 1,2-Dichloropropane  
 Concen: 5.172 ug/L  
 RT: 9.210 min Scan# 1296  
 Delta R.T. -0.094 min  
 Lab File: VD075774.D  
 Acq: 21 Apr 2023 14:30

|             |       |          |
|-------------|-------|----------|
| Tgt Ion: 63 | Resp: | 13192    |
| Ion Ratio   | Lower | Upper    |
| 63          | 100   |          |
| 112         | 0.0   | 4.0 6.0# |





#39

cis-1,3-Dichloropropene

Concen: 0.592 ug/L

RT: 9.975 min Scan# 1433

Delta R.T. -0.041 min

Lab File: VD075774.D

Acq: 21 Apr 2023 14:30

Instrument :

MSVOA\_D

ClientSampleId :

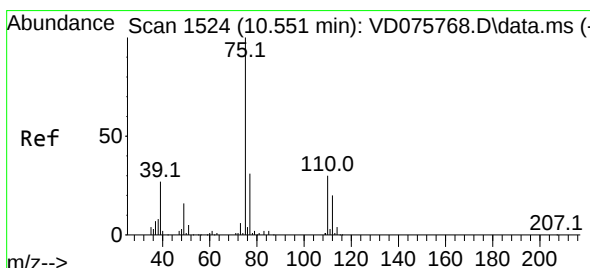
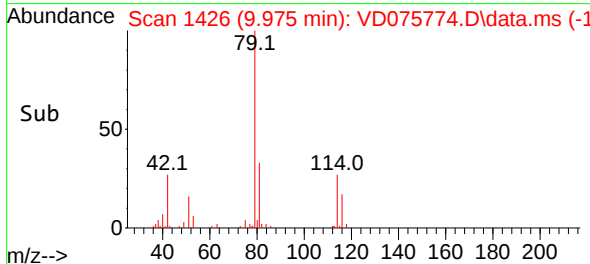
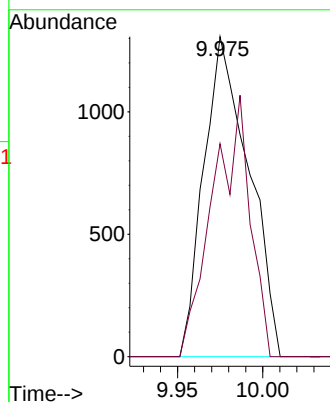
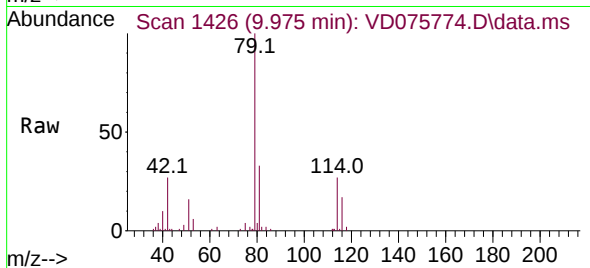
EW911

Tgt Ion: 75 Resp: 2401

Ion Ratio Lower Upper

75 100

77 66.6 23.4 43.6#



#44

trans-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 10.534 min Scan# 1521

Delta R.T. -0.018 min

Lab File: VD075774.D

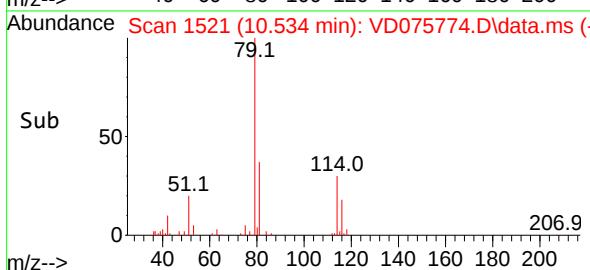
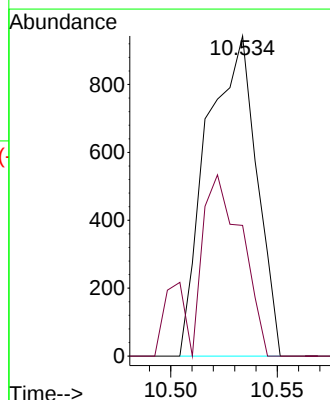
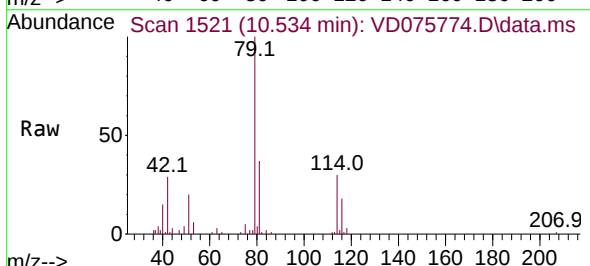
Acq: 21 Apr 2023 14:30

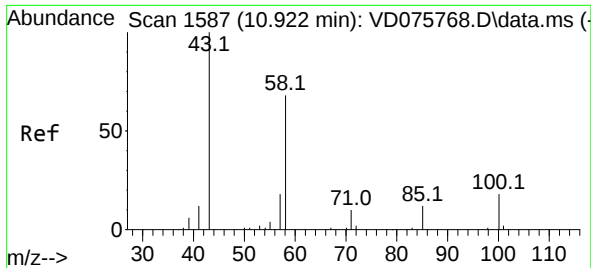
Tgt Ion: 75 Resp: 1531

Ion Ratio Lower Upper

75 100

77 40.8 22.0 41.0

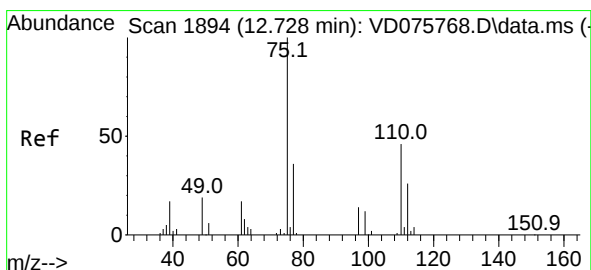
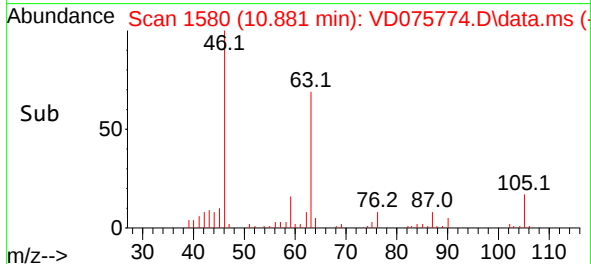
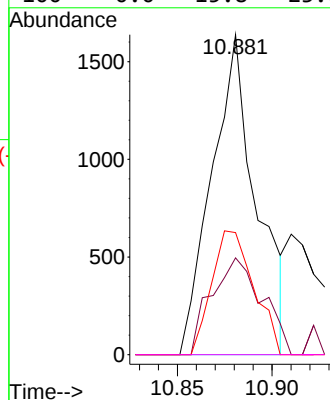
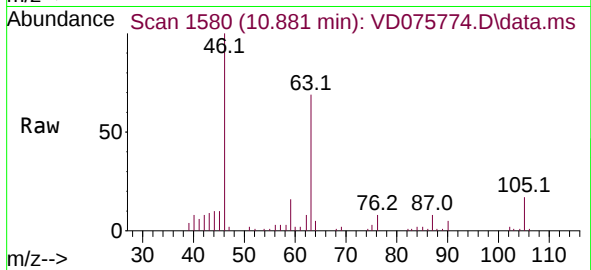




#48  
2-Hexanone  
Concen: 4.099 ug/L  
RT: 10.881 min Scan# 11  
Delta R.T. -0.041 min  
Lab File: VD075774.D  
Acq: 21 Apr 2023 14:30

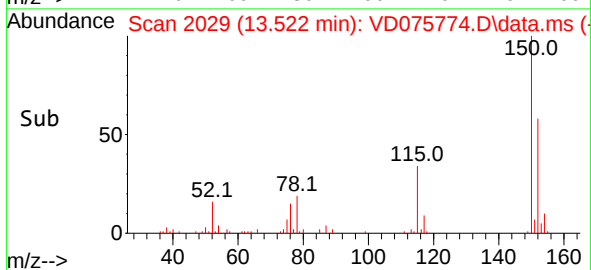
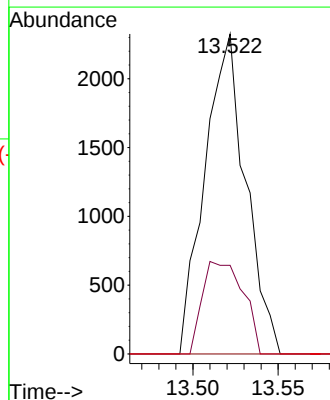
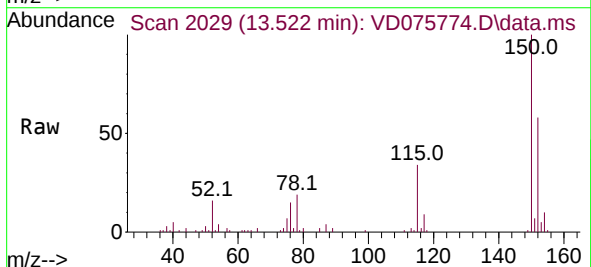
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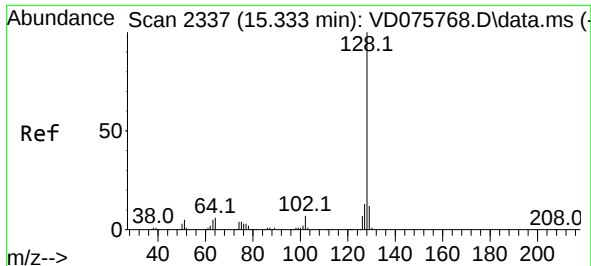
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2687  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 34.5     | 59.7 89.5#  |
| 57 36.5     | 17.9 26.9#  |
| 100 0.0     | 15.8 23.6#  |



#61  
1,2,3-Trichloropropane  
Concen: 7.605 ug/L  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.794 min  
Lab File: VD075774.D  
Acq: 21 Apr 2023 14:30

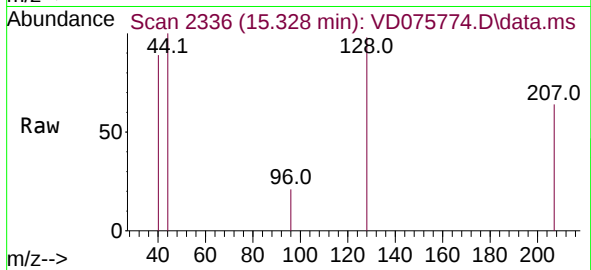
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 3875  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 28.9     | 26.6 39.8   |
| 110 0.0     | 33.5 50.3#  |





#71  
Naphthalene  
Concen: 0.765 ug/L  
RT: 15.328 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD075774.D  
Acq: 21 Apr 2023 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:128 Resp: 1601  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 9.1 13.7#

