

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD033023\  
 Data File : VD075547.D  
 Acq On : 30 Mar 2023 15:04  
 Operator : KP/SY  
 Sample : 02130-03  
 Misc : 3.99G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 31 01:30:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 31 01:28:39 2023  
 Response via : Initial Calibration

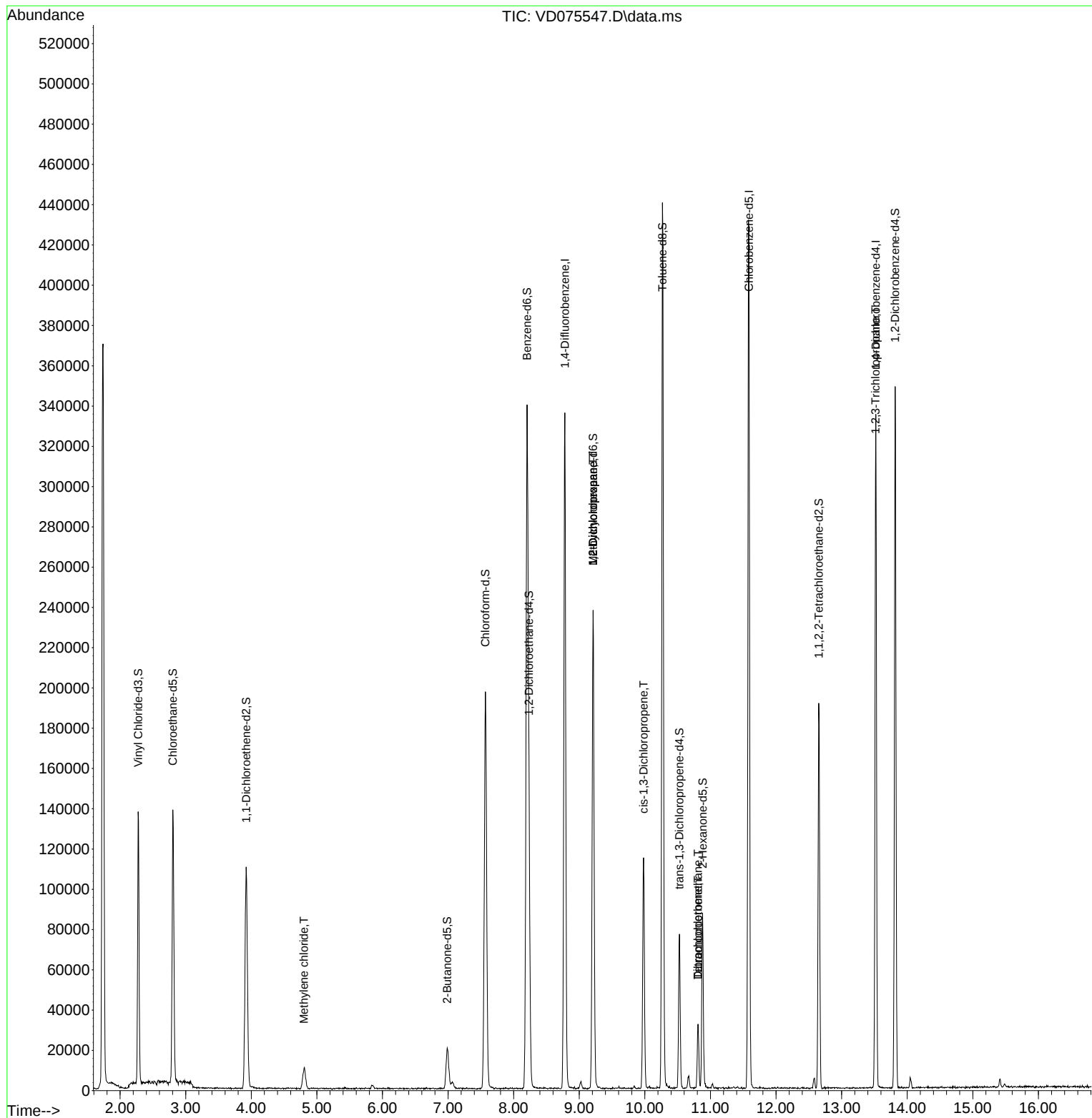
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 319640   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.586 | 117   | 276798   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 96358    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 130981   | 16.504   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 66.000%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 144860   | 21.091   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.360%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 63    | 93799    | 12.653   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.600%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 33453    | 45.485   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.980%  |
| 24) Chloroform-d              | 7.569  | 84    | 215008   | 25.667   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.680% |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 89323    | 24.614   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.440%  |
| 32) Benzene-d6                | 8.204  | 84    | 382371   | 23.261   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 122789   | 26.428   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 105.720% |
| 41) Toluene-d8                | 10.269 | 98    | 327715   | 21.853   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 45281    | 23.850   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.400%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 30684    | 45.779   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 91.560%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 101400   | 26.091   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 97764    | 29.006   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 116.040% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 4.804  | 84    | 9526     | 1.411    | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.210  | 83    | 30228    | 3.727    | ug/L # | 24       |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 12029    | 2.461    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75    | 3061     | 0.409    | ug/L # | 63       |
| 46) Tetrachloroethene         | 10.810 | 164   | 7144     | 1.795    | ug/L   | 92       |
| 49) Dibromochloromethane      | 10.810 | 129   | 6695     | 1.570    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 13.516 | 75    | 10904    | 5.645    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

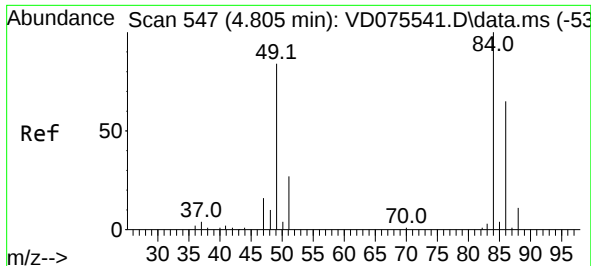
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02130-03  
Misc : 3.99G/10.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

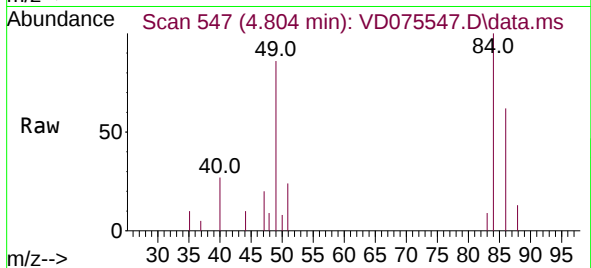
Quant Time: Mar 31 01:30:35 2023  
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Quant Title : SFAM01.0  
QLast Update : Fri Mar 31 01:28:39 2023  
Response via : Initial Calibration



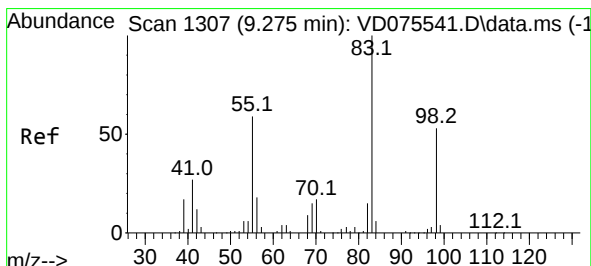
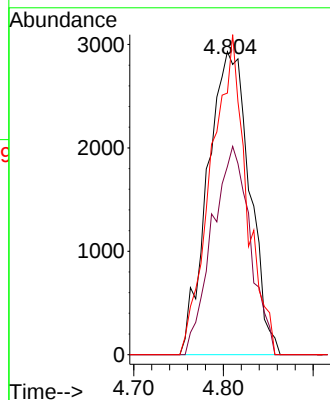
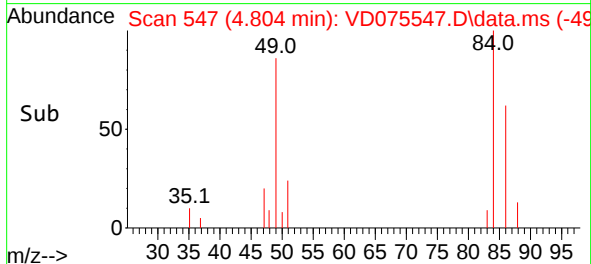


#16  
Methylene chloride  
Concen: 1.411 ug/L  
RT: 4.804 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04

Instrument :  
MSVOA\_D  
ClientSampleId :

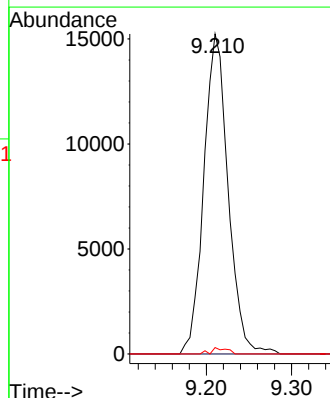
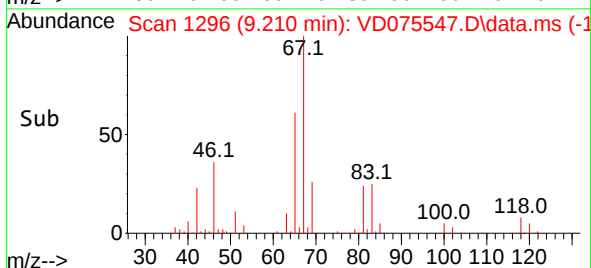
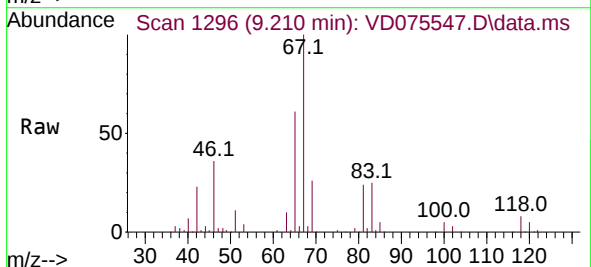


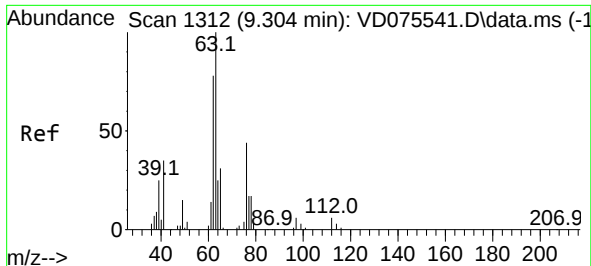
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 9526  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 86 62.1     | 44.2 82.2   |
| 49 86.3     | 63.6 118.2  |



#35  
Methylcyclohexane  
Concen: 3.727 ug/L  
RT: 9.210 min Scan# 1296  
Delta R.T. -0.065 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 30228 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 49.3 73.9#  |
| 98 0.6      | 39.8 59.6#  |

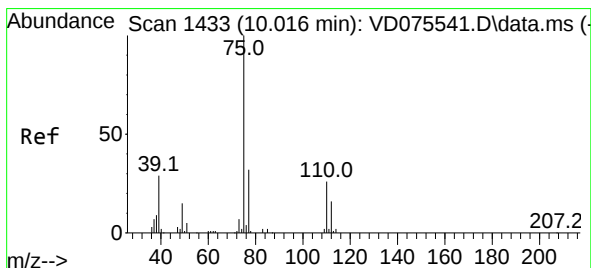
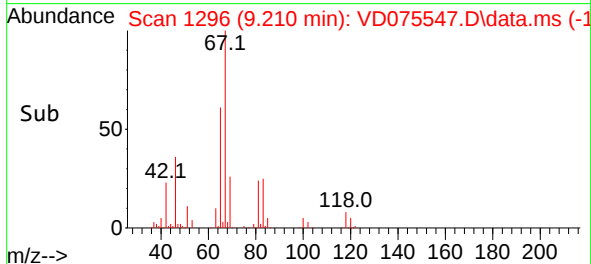
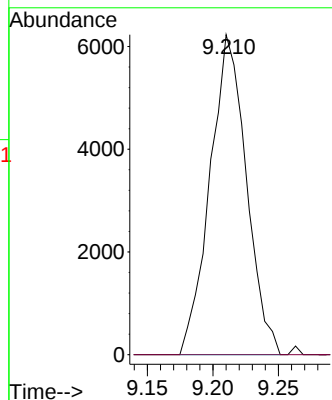
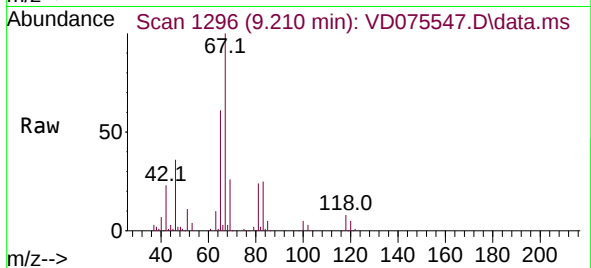




#37  
1,2-Dichloropropane  
Concen: 2.461 ug/L  
RT: 9.210 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04

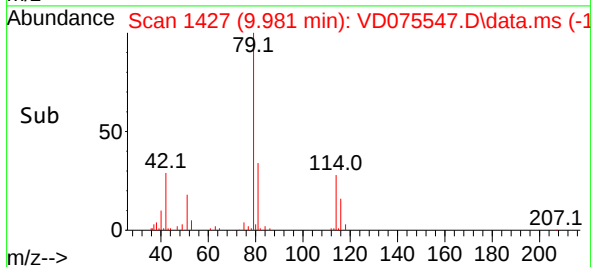
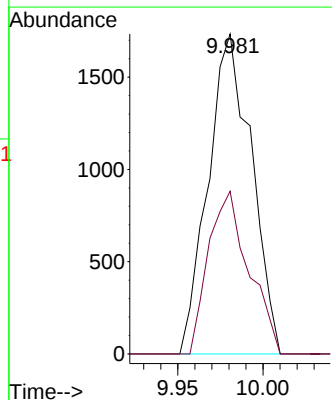
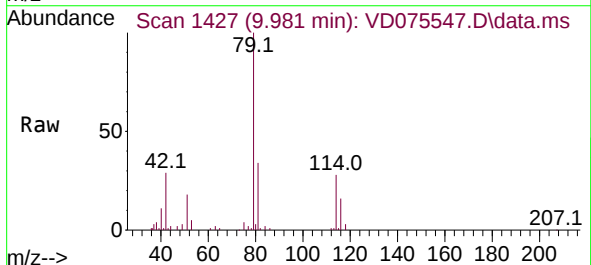
Instrument :  
MSVOA\_D  
ClientSampleId :

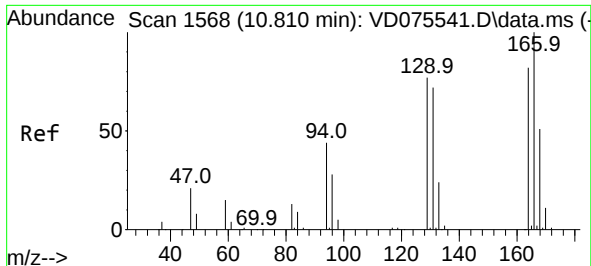
Tgt Ion: 63 Resp: 12029  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



#39  
cis-1,3-Dichloropropene  
Concen: 0.409 ug/L  
RT: 9.981 min Scan# 1427  
Delta R.T. -0.035 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04

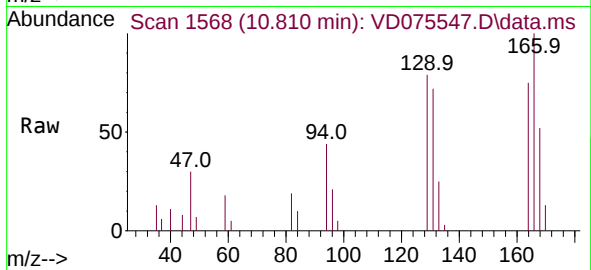
Tgt Ion: 75 Resp: 3061  
Ion Ratio Lower Upper  
75 100  
77 50.9 21.6 40.0#



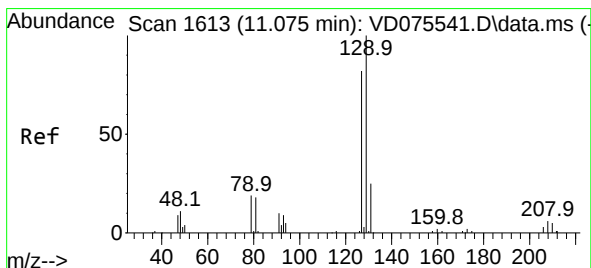
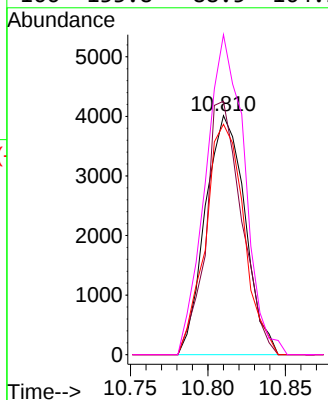
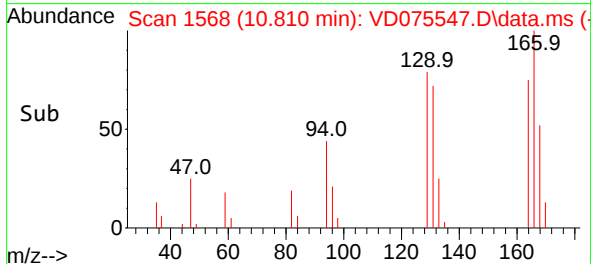


#46  
Tetrachloroethene  
Concen: 1.795 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04

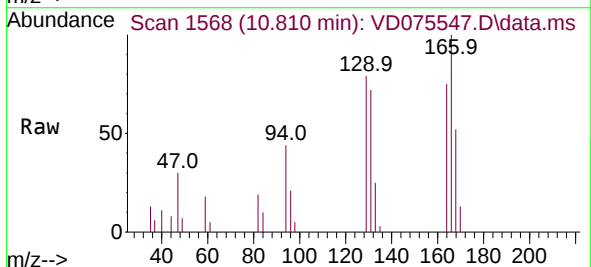
Instrument :  
MSVOA\_D  
ClientSampleId :



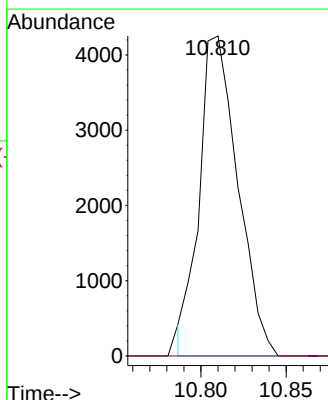
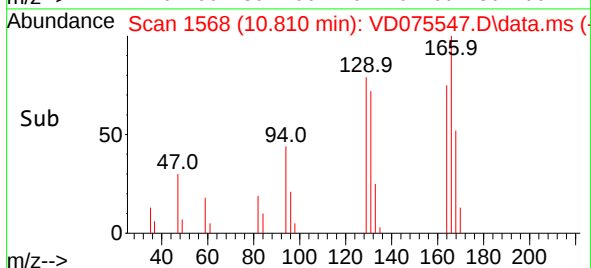
Tgt Ion:164 Resp: 7144  
Ion Ratio Lower Upper  
164 100  
129 106.0 65.4 121.4  
131 96.3 64.1 119.1  
166 133.8 88.5 164.3

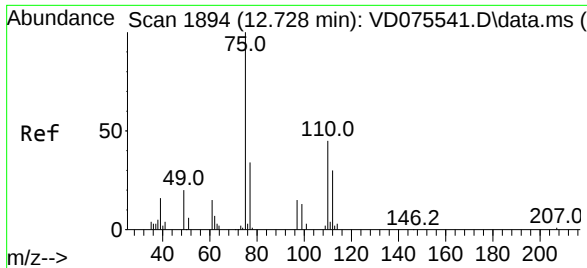


#49  
Dibromochloromethane  
Concen: 1.570 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.265 min  
Lab File: VD075547.D  
Acq: 30 Mar 2023 15:04



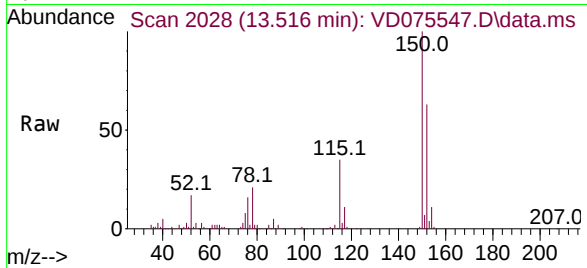
Tgt Ion:129 Resp: 6695  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.7 99.7#





#61  
 1,2,3-Trichloropropane  
 Concen: 5.645 ug/L  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.788 min  
 Lab File: VD075547.D  
 Acq: 30 Mar 2023 15:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10904 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.2  | 26.2  | 39.4  |
| 110      | 1.9   | 33.2  | 49.8# |

