

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062823\  
 Data File : VD076609.D  
 Acq On : 28 Jun 2023 11:06  
 Operator : KP/SY  
 Sample : VD0628SBL01  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VBLK133

Quant Time: Jun 29 01:29:33 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

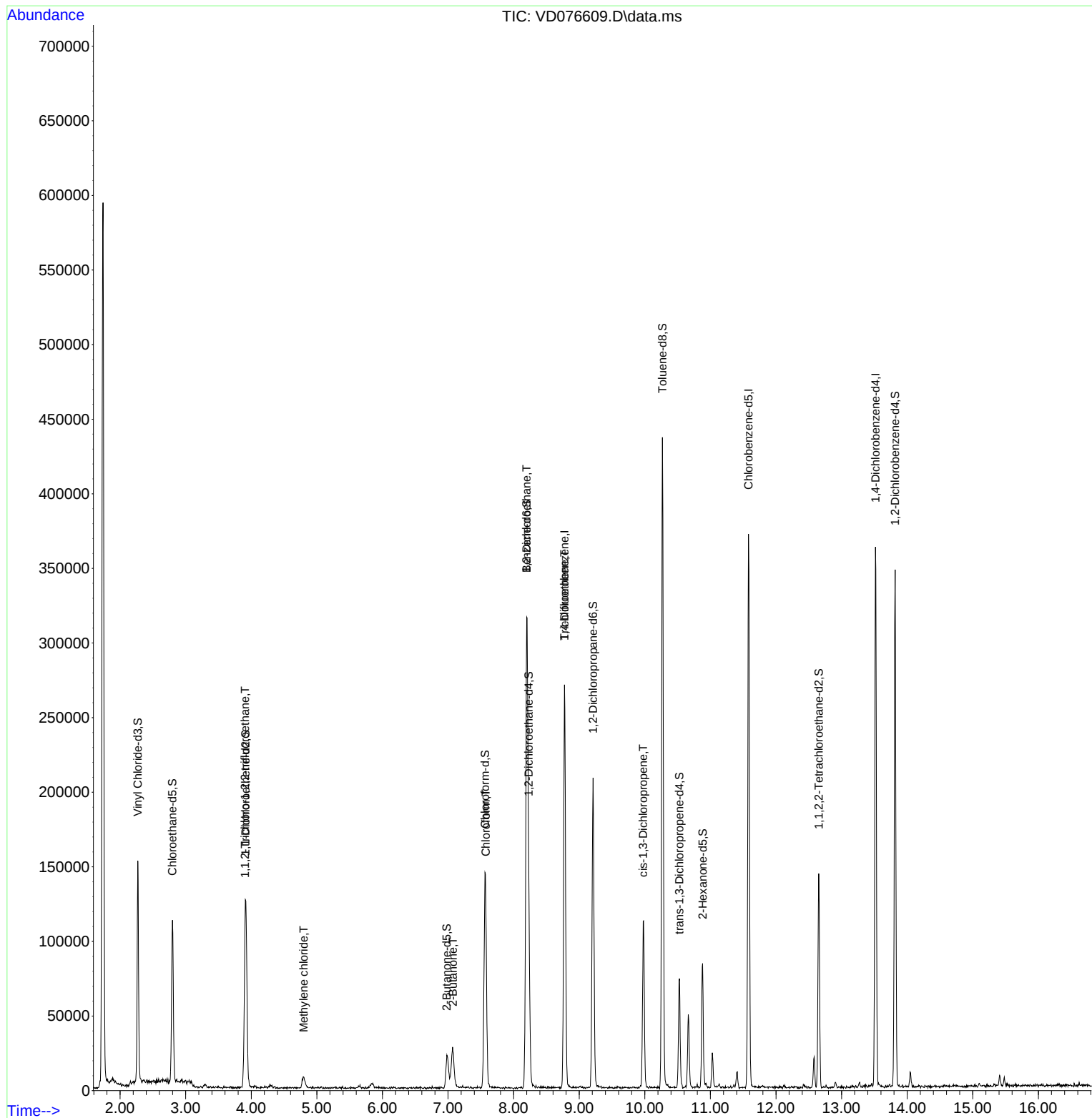
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 232612   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 205157   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 94348    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 132371   | 23.367   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.480%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 107193   | 23.402   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 36737    | 24.844   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.360%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 40525    | 47.236   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.480%  |
| 24) Chloroform-d              | 7.563  | 84    | 147228   | 24.024   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 77278    | 25.561   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.240% |
| 32) Benzene-d6                | 8.199  | 84    | 310457   | 24.738   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 98703    | 24.640   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.560%  |
| 41) Toluene-d8                | 10.269 | 98    | 288867   | 24.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.440%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 39279    | 23.574   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.280%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 30683    | 49.343   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 71738    | 25.172   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.680% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 87806    | 25.390   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.560% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.905  | 101   | 811      | 0.266    | ug/L # | 20       |
| 16) Methylene chloride        | 4.799  | 84    | 5017     | 1.241    | ug/L   | 84       |
| 22) 2-Butanone                | 7.075  | 43    | 1155     | 1.033    | ug/L # | 49       |
| 25) Chloroform                | 7.575  | 83    | 2165     | 0.361    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.199  | 62    | 1781     | 0.482    | ug/L # | 71       |
| 34) Trichloroethene           | 8.775  | 95    | 6628     | 1.900    | ug/L # | 4        |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 3680     | 0.651    | ug/L # | 34       |
| -----                         |        |       |          |          |        |          |

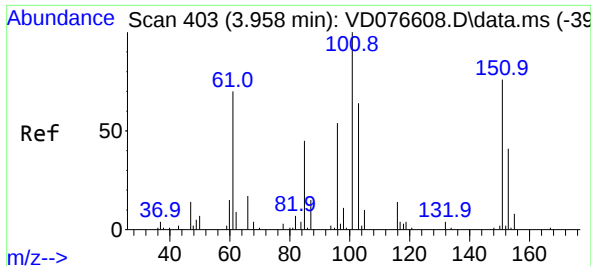
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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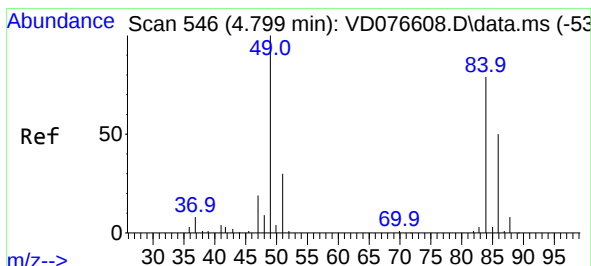
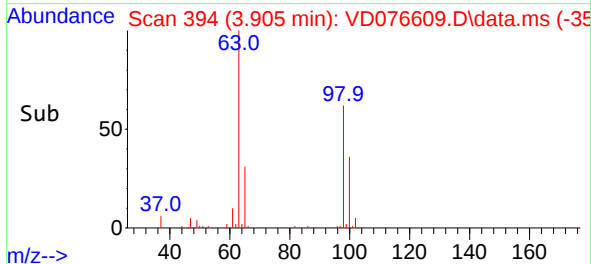
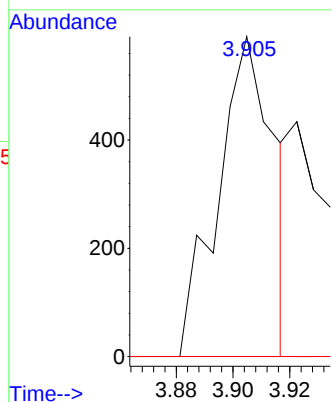
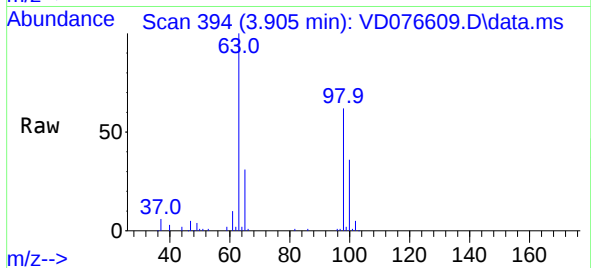




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.266 ug/L  
RT: 3.905 min Scan# 394  
Delta R.T. -0.053 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

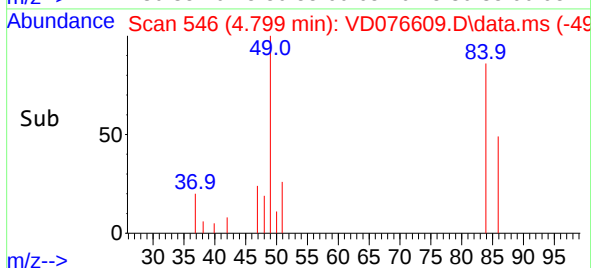
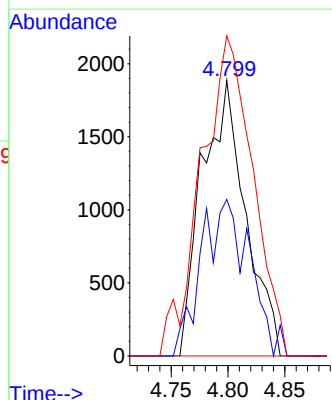
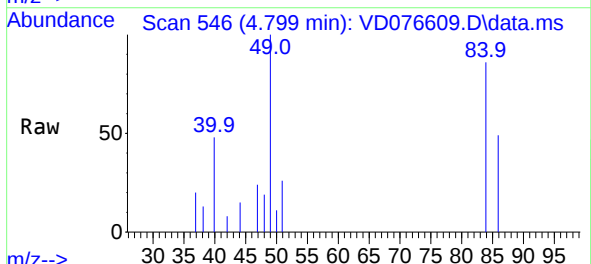
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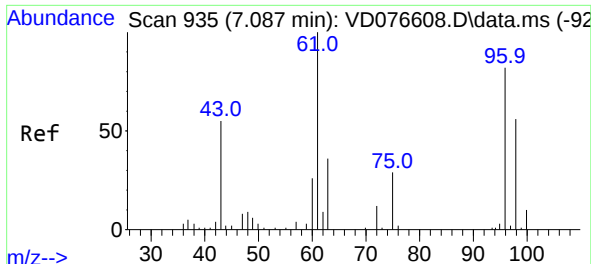
Tgt Ion:101 Resp: 811  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.5 53.3#  
151 0.0 58.6 87.8#



#16  
Methylene chloride  
Concen: 1.241 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. 0.012 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

Tgt Ion: 84 Resp: 5017  
Ion Ratio Lower Upper  
84 100  
86 56.8 45.1 83.9  
49 116.2 97.2 180.6

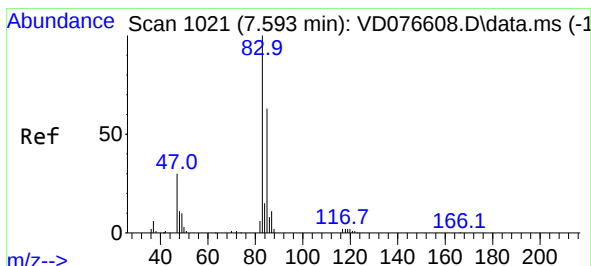
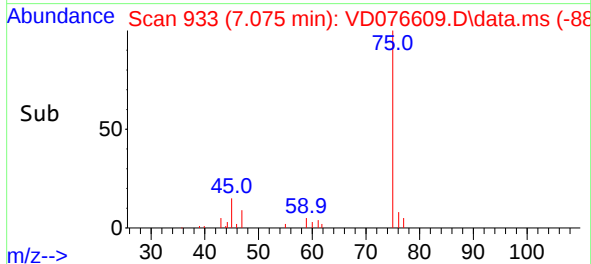
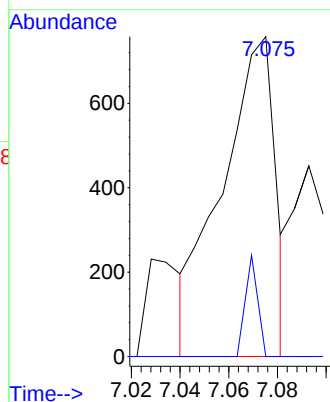
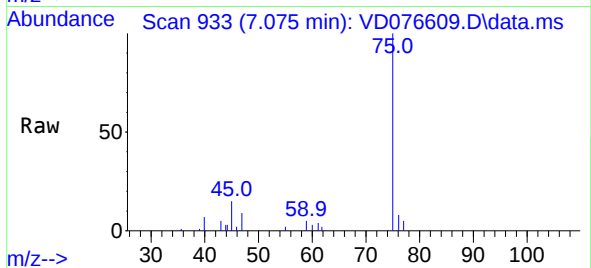




#22  
2-Butanone  
Concen: 1.033 ug/L  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

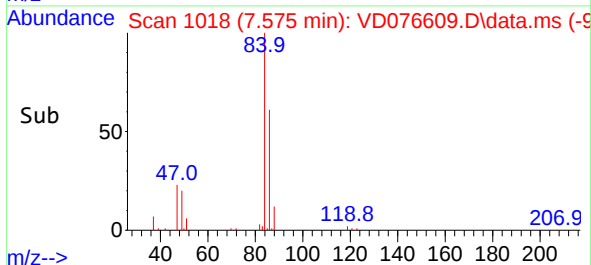
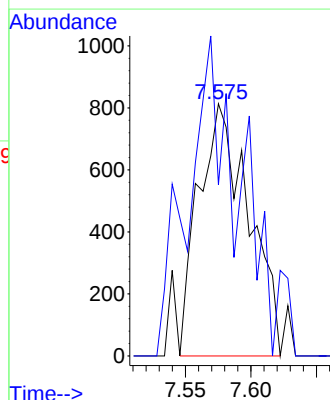
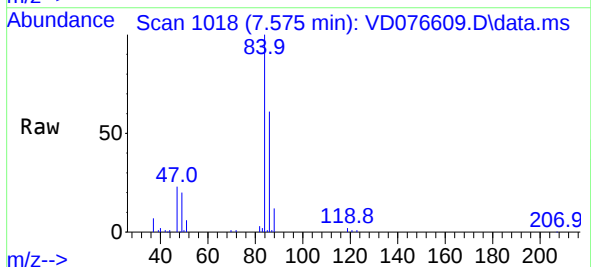
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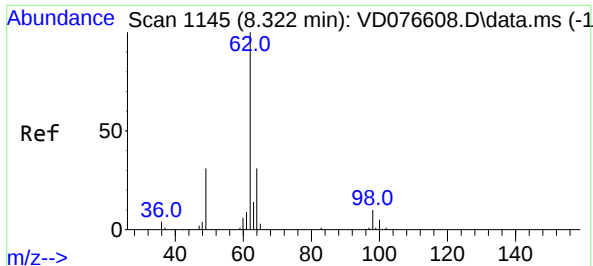
Tgt Ion: 43 Resp: 1155  
Ion Ratio Lower Upper  
43 100  
72 0.0 12.9 38.7#



#25  
Chloroform  
Concen: 0.361 ug/L  
RT: 7.575 min Scan# 1018  
Delta R.T. -0.018 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

Tgt Ion: 83 Resp: 2165  
Ion Ratio Lower Upper  
83 100  
85 67.9 45.4 84.4

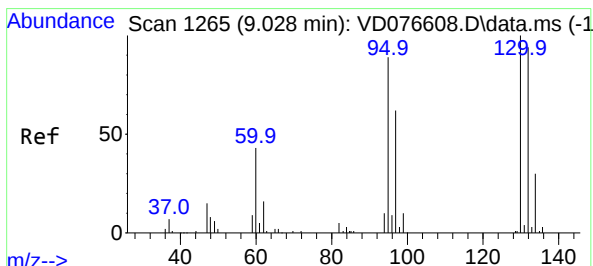
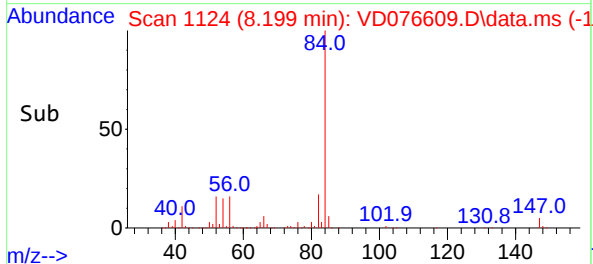
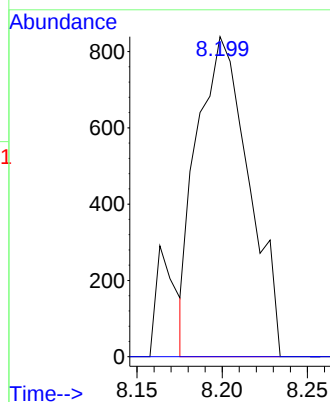
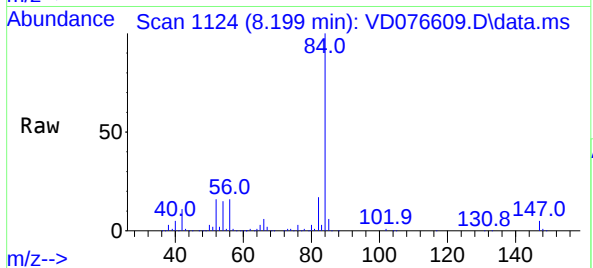




#27  
1,2-Dichloroethane  
Concen: 0.482 ug/L  
RT: 8.199 min Scan# 1145  
Delta R.T. -0.124 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

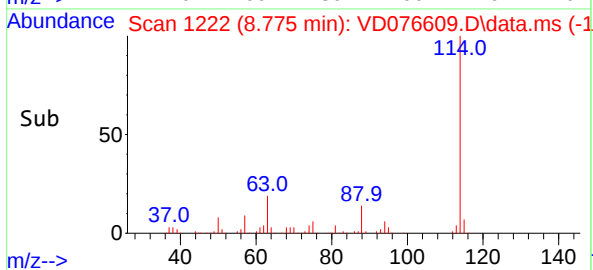
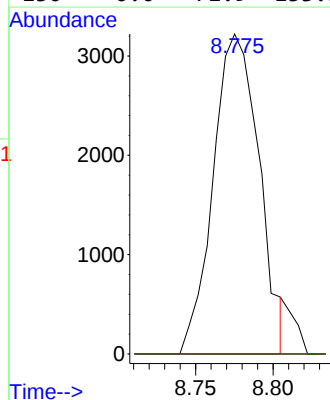
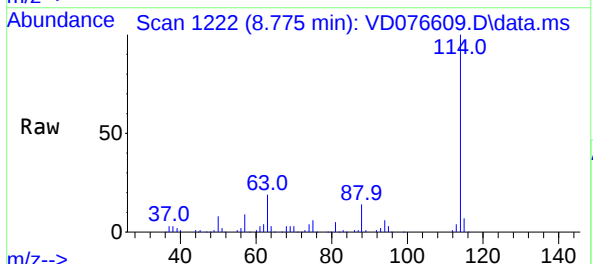
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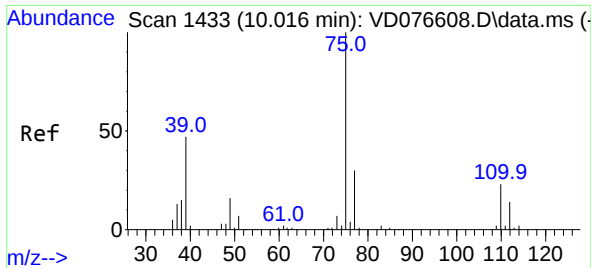
Tgt Ion: 62 Resp: 1781  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.7 13.1#



#34  
Trichloroethene  
Concen: 1.900 ug/L  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.253 min  
Lab File: VD076609.D  
Acq: 28 Jun 2023 11:06

Tgt Ion: 95 Resp: 6628  
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#





#39  
 cis-1,3-Dichloropropene  
 Concen: 0.651 ug/L  
 RT: 9.975 min Scan# 14  
 Delta R.T. -0.041 min  
 Lab File: VD076609.D  
 Acq: 28 Jun 2023 11:06

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Tgt Ion: 75 Resp: 3680  
 Ion Ratio Lower Upper  
 75 100  
 77 69.3 22.7 42.3#

