

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050423\  
 Data File : VD076006.D  
 Acq On : 04 May 2023 16:02  
 Operator : KP/SY  
 Sample : 02589-14  
 Misc : 4.54G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JRED0

Quant Time: May 05 00:50:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 00:35:29 2023  
 Response via : Initial Calibration

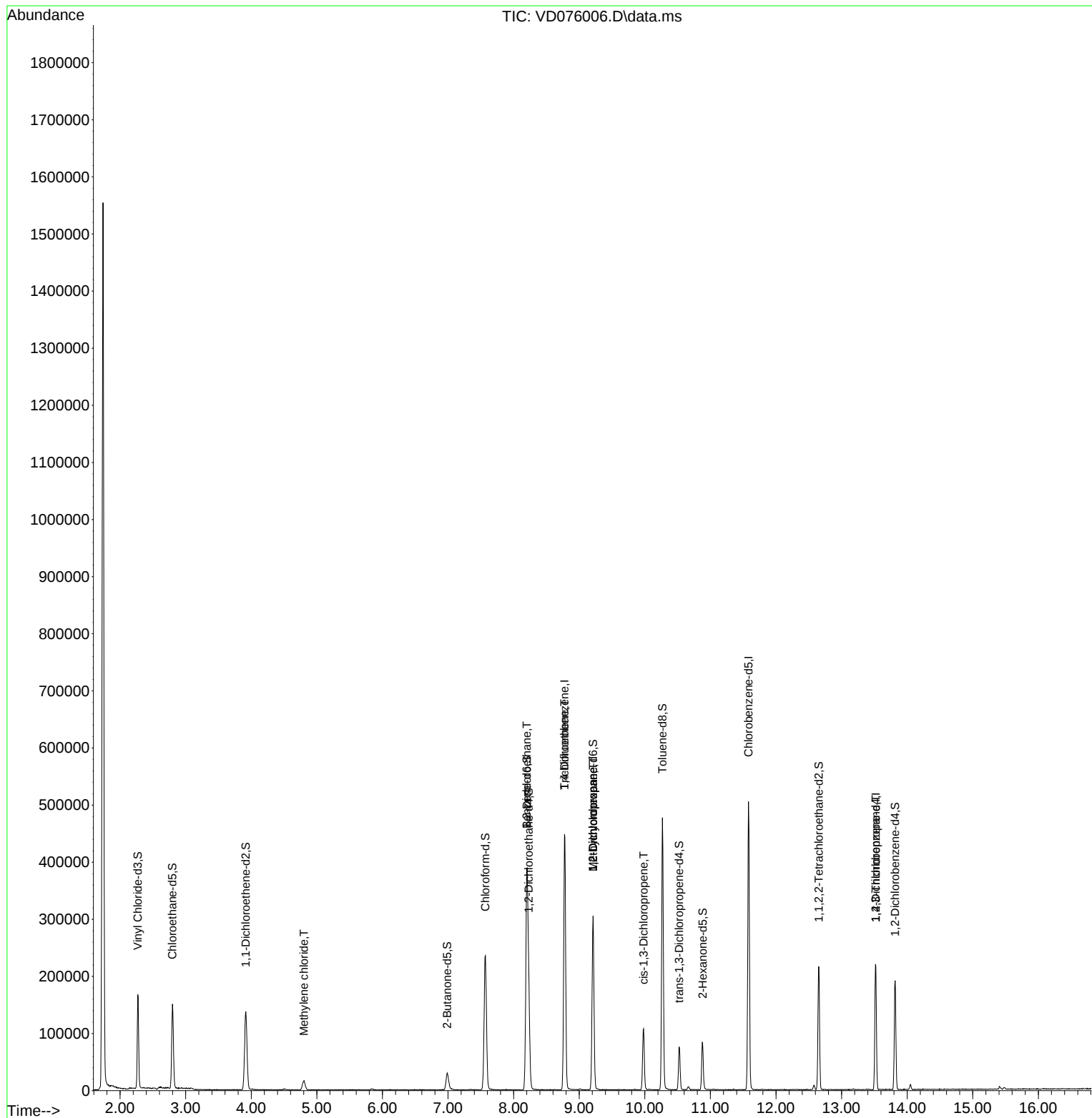
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 450199   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 325062   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 68207    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 157238   | 15.921   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.680%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 162131   | 19.000   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.000%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 37690    | 16.553   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 66.200%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 50315    | 58.685   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 117.360% |
| 24) Chloroform-d              | 7.569  | 84    | 254646   | 22.619   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.480%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 113914   | 23.694   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.760%  |
| 32) Benzene-d6                | 8.199  | 84    | 450043   | 23.754   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 95.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 156177   | 29.782   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 119.120% |
| 41) Toluene-d8                | 10.269 | 98    | 351522   | 19.818   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 79.280%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 44991    | 20.756   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.040%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 31245    | 49.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 117296   | 29.230   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 116.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 57368    | 23.779   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.120%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 4.805  | 84    | 8111     | 0.888    | ug/L   | 88       |
| 27) 1,2-Dichloroethane        | 8.199  | 62    | 1754     | 0.312    | ug/L # | 68       |
| 34) Trichloroethene           | 8.775  | 95    | 11385    | 2.239    | ug/L # | 2        |
| 35) Methylcyclohexane         | 9.210  | 83    | 37738    | 4.814    | ug/L # | 24       |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 15997    | 3.542    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75    | 2740     | 0.381    | ug/L   | 93       |
| 61) 1,2,3-Trichloropropane    | 13.522 | 75    | 7009     | 6.542    | ug/L # | 61       |
| -----                         |        |       |          |          |        |          |

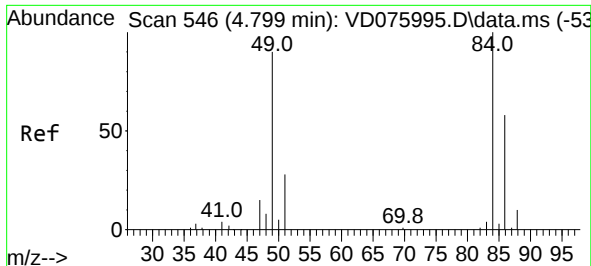
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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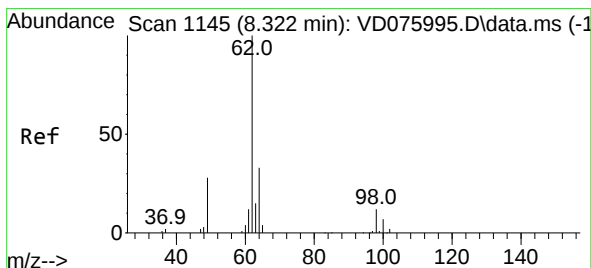
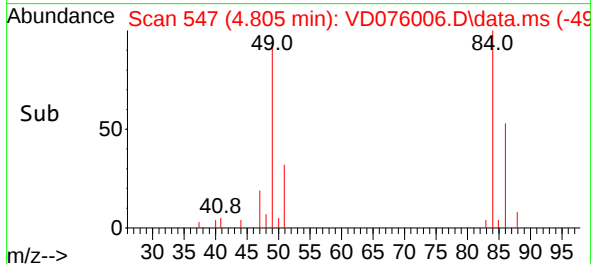
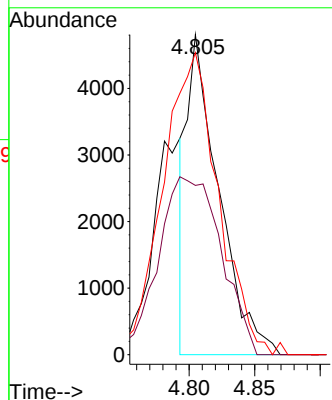
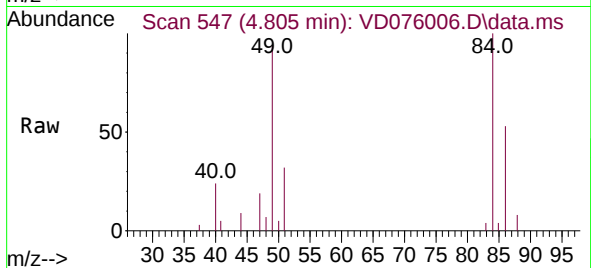




#16  
Methylene chloride  
Concen: 0.888 ug/L  
RT: 4.805 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD076006.D  
Acq: 04 May 2023 16:02

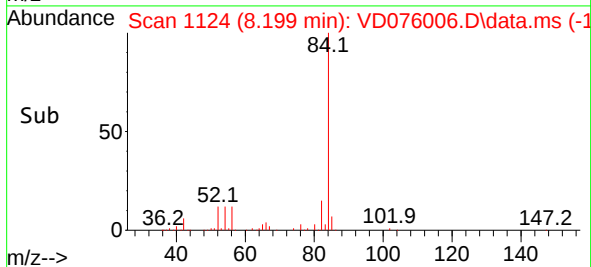
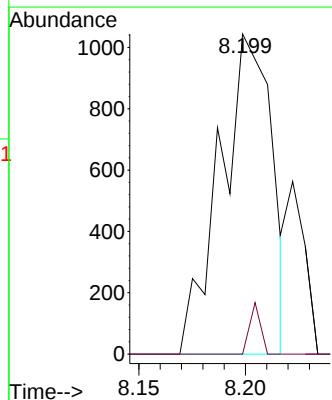
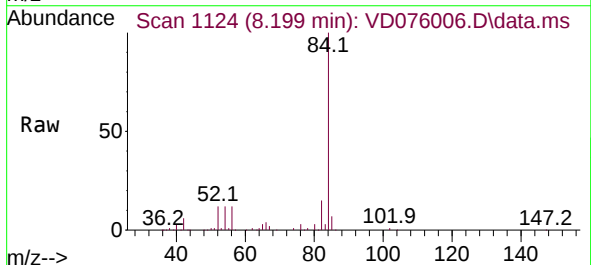
Instrument :  
MSVOA\_D  
ClientSampleId :  
JRED0

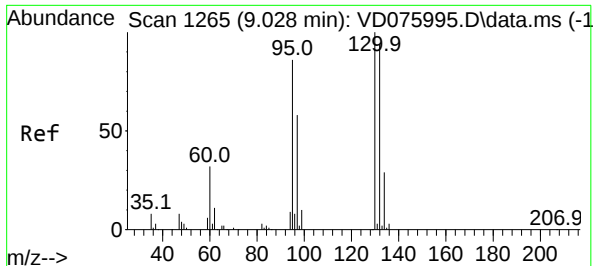
Tgt Ion: 84 Resp: 8111  
Ion Ratio Lower Upper  
84 100  
86 52.9 45.8 85.2  
49 94.4 60.8 112.8



#27  
1,2-Dichloroethane  
Concen: 0.312 ug/L  
RT: 8.199 min Scan# 1124  
Delta R.T. -0.123 min  
Lab File: VD076006.D  
Acq: 04 May 2023 16:02

Tgt Ion: 62 Resp: 1754  
Ion Ratio Lower Upper  
62 100  
98 0.0 10.2 15.2#

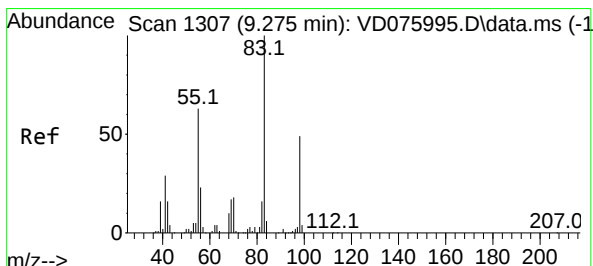
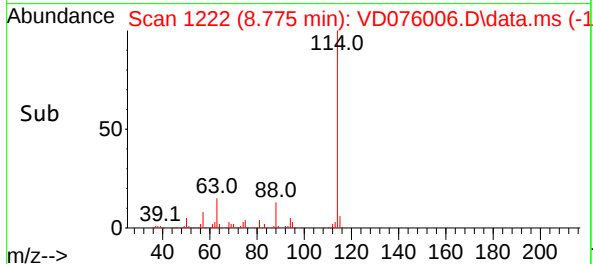
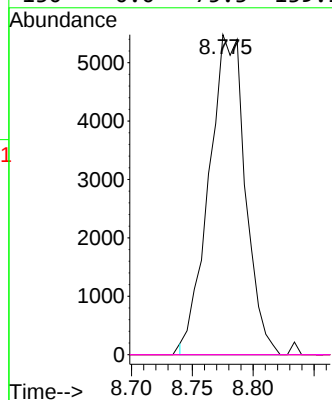
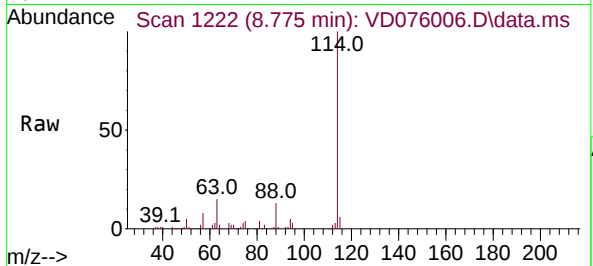




#34  
 Trichloroethene  
 Concen: 2.239 ug/L  
 RT: 8.775 min Scan# 11385  
 Delta R.T. -0.253 min  
 Lab File: VD076006.D  
 Acq: 04 May 2023 16:02

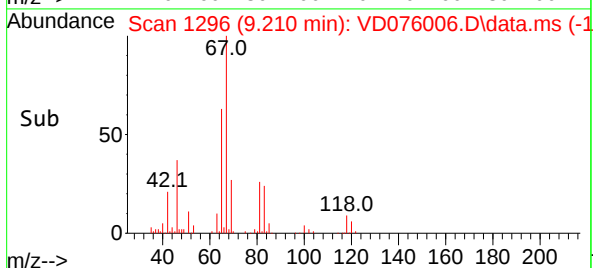
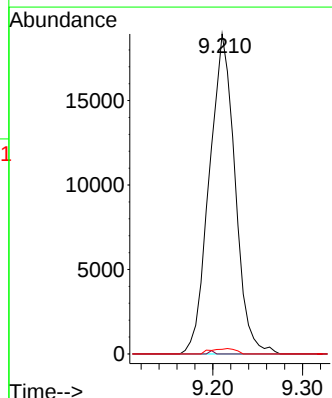
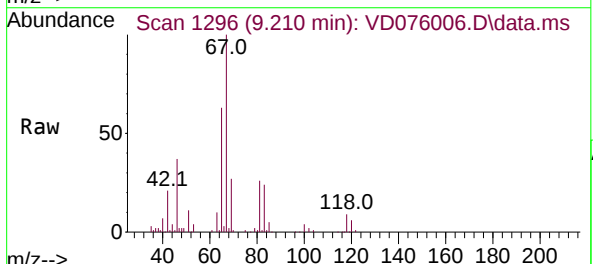
Instrument :  
 MSVOA\_D  
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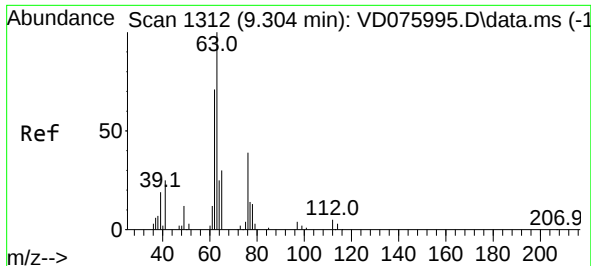
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 11385  |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 0.0   | 46.0  | 85.4#  |
| 132      | 0.0   | 73.3  | 136.1# |
| 130      | 0.0   | 75.3  | 139.9# |



#35  
 Methylcyclohexane  
 Concen: 4.814 ug/L  
 RT: 9.210 min Scan# 1296  
 Delta R.T. -0.065 min  
 Lab File: VD076006.D  
 Acq: 04 May 2023 16:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 37738 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 48.2  | 72.2# |
| 98       | 1.6   | 40.8  | 61.2# |

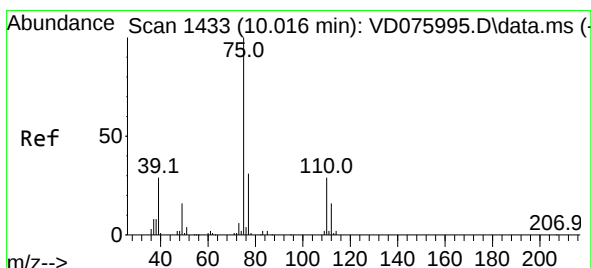
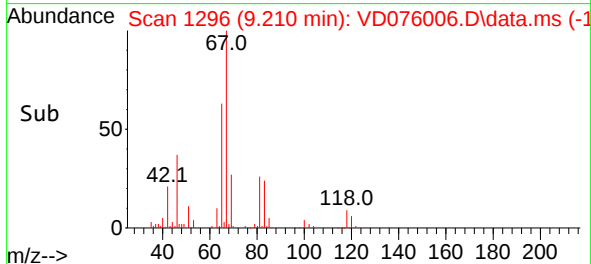
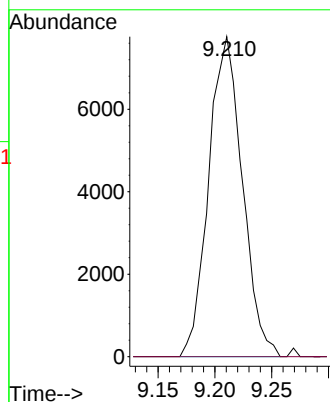
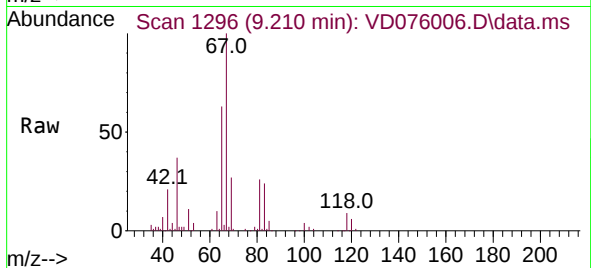




#37  
1,2-Dichloropropane  
Concen: 3.542 ug/L  
RT: 9.210 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VD076006.D  
Acq: 04 May 2023 16:02

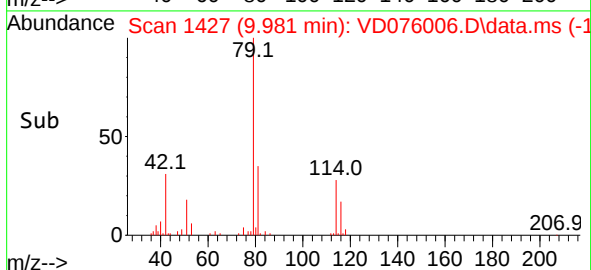
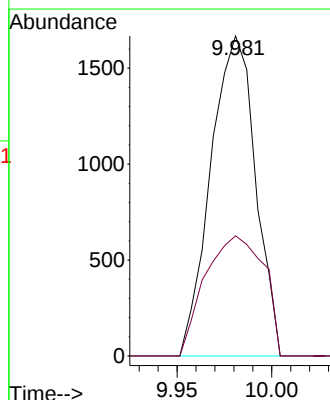
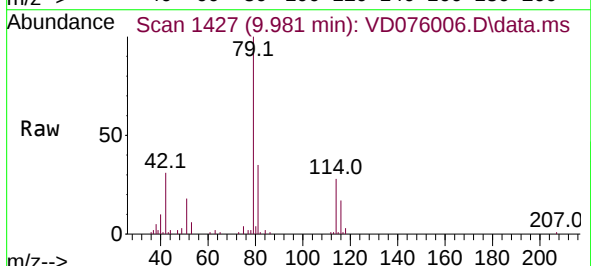
Instrument :  
MSVOA\_D  
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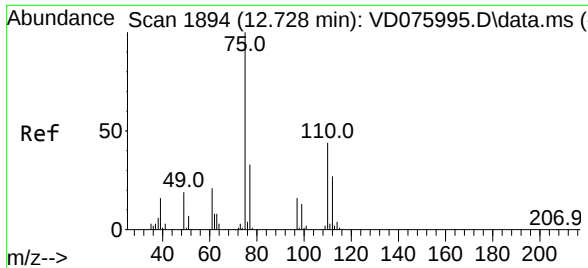
Tgt Ion: 63 Resp: 15997  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.0 6.0#



#39  
cis-1,3-Dichloropropene  
Concen: 0.381 ug/L  
RT: 9.981 min Scan# 1427  
Delta R.T. -0.035 min  
Lab File: VD076006.D  
Acq: 04 May 2023 16:02

Tgt Ion: 75 Resp: 2740  
Ion Ratio Lower Upper  
75 100  
77 37.5 23.4 43.6





#61  
 1,2,3-Trichloropropane  
 Concen: 6.542 ug/L  
 RT: 13.522 min Scan# 20  
 Delta R.T. 0.794 min  
 Lab File: VD076006.D  
 Acq: 04 May 2023 16:02

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 JRED0

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 7009       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 31.0  | 26.6 39.8  |
| 110         | 0.0   | 33.5 50.3# |

