

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070523\  
 Data File : VD076710.D  
 Acq On : 05 Jul 2023 11:55  
 Operator : KP/SY  
 Sample : 03504-01RE  
 Misc : 6.83G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A46R7RE

Quant Time: Jul 06 01:15:30 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

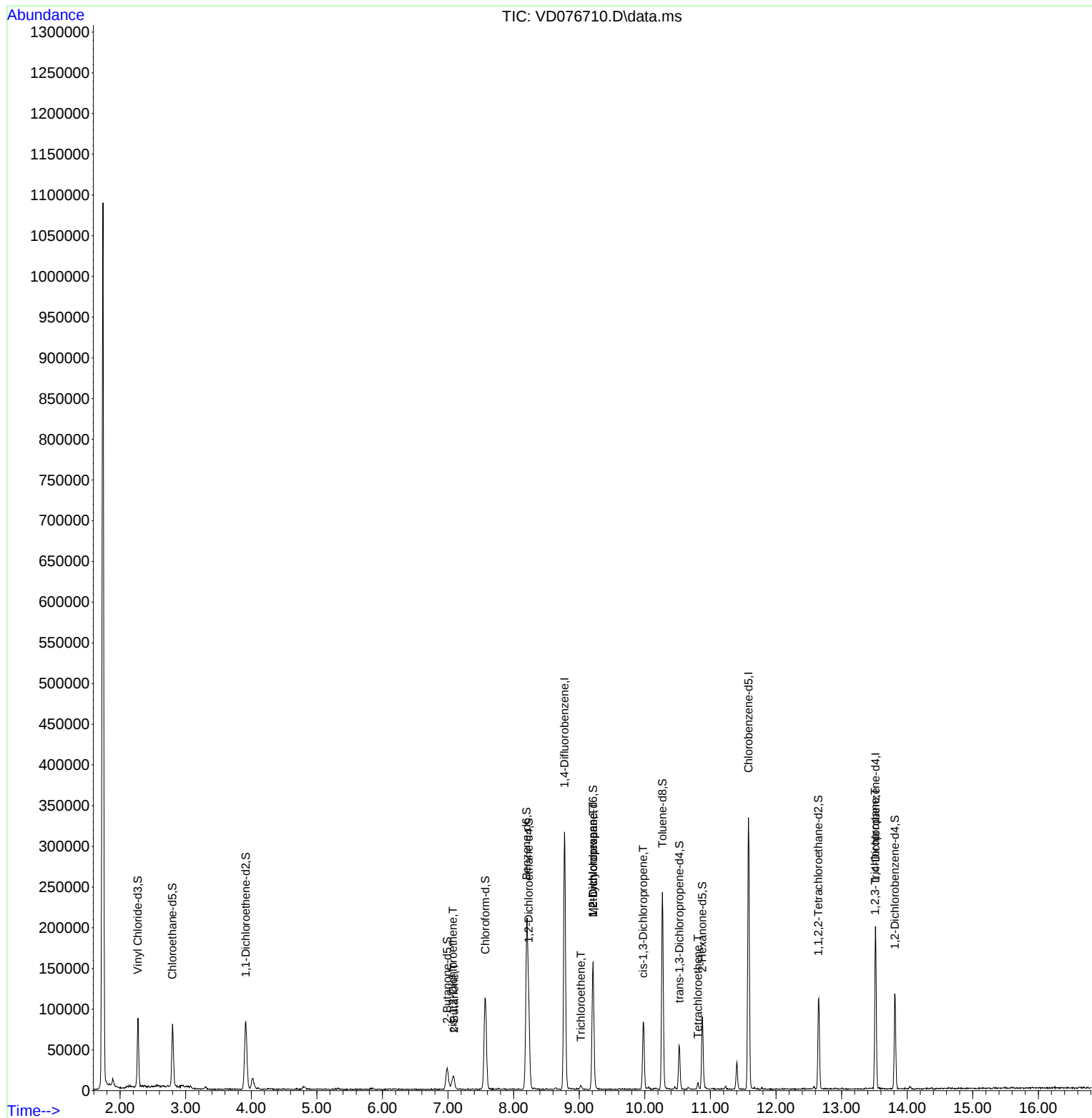
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 275874   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 186811   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 53191    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 76095    | 11.327   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 45.320%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 72262    | 13.302   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.200%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 24032    | 13.704   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 54.800%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 44310    | 43.549   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.100%  |
| 24) Chloroform-d              | 7.569  | 84    | 117433   | 16.157   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 64.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 67822    | 18.915   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 75.680%  |
| 32) Benzene-d6                | 8.199  | 84    | 211002   | 18.464   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 73.840%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 74220    | 20.347   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 81.400%  |
| 41) Toluene-d8                | 10.269 | 98    | 163038   | 15.408   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 61.640%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 29291    | 19.306   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.240%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 31974    | 56.469   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 57849    | 22.292   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 89.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 29998    | 15.386   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 61.560%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 7525     | 1.688    | ug/L   | 88       |
| 22) 2-Butanone                | 7.093  | 43    | 4703     | 3.546    | ug/L   | 86       |
| 34) Trichloroethene           | 9.028  | 95    | 1751     | 0.551    | ug/L   | 82       |
| 35) Methylcyclohexane         | 9.210  | 83    | 17027    | 3.325    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 9050     | 2.685    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 1751     | 0.340    | ug/L # | 42       |
| 46) Tetrachloroethene         | 10.810 | 164   | 1407     | 0.564    | ug/L   | 89       |
| 61) 1,2,3-Trichloropropane    | 13.510 | 75    | 5121     | 4.961    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

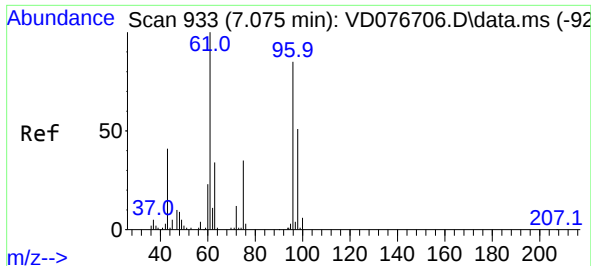
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Fri Jun 16 01:50:34 2023  
Response via : Initial Calibration

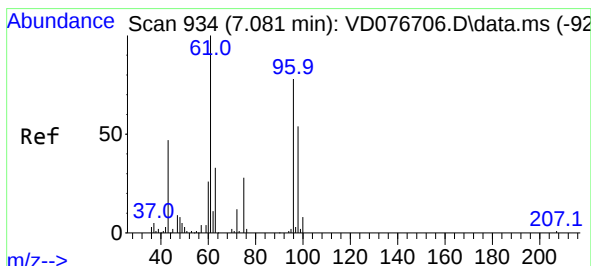
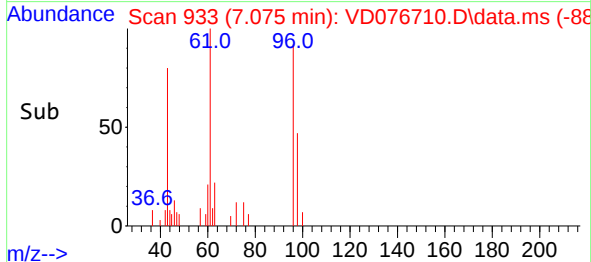
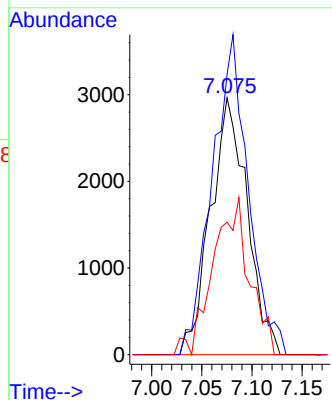
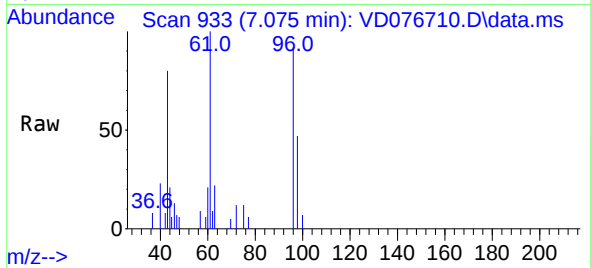




#20  
cis-1,2-Dichloroethene  
Concen: 1.688 ug/L  
RT: 7.075 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

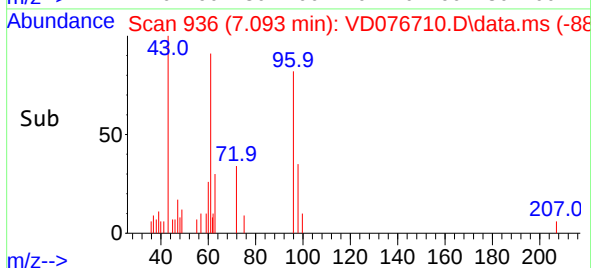
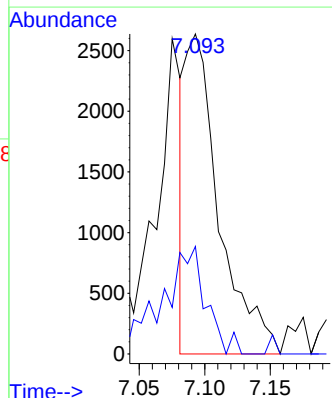
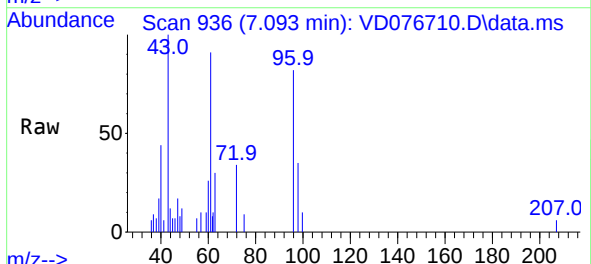
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46R7RE

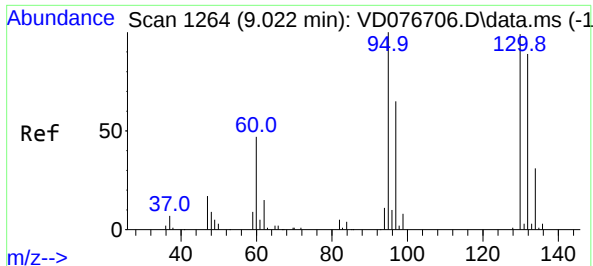
Tgt Ion: 96 Resp: 7525  
Ion Ratio Lower Upper  
96 100  
61 109.1 86.0 159.6  
98 51.6 42.2 78.4



#22  
2-Butanone  
Concen: 3.546 ug/L  
RT: 7.093 min Scan# 936  
Delta R.T. 0.012 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

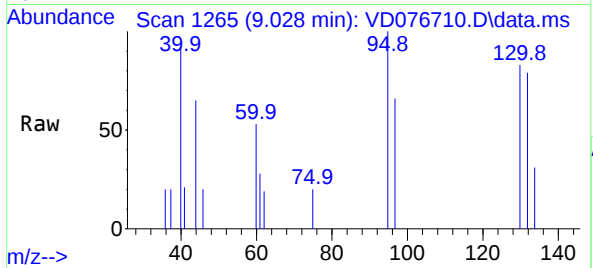
Tgt Ion: 43 Resp: 4703  
Ion Ratio Lower Upper  
43 100  
72 32.8 12.9 38.7



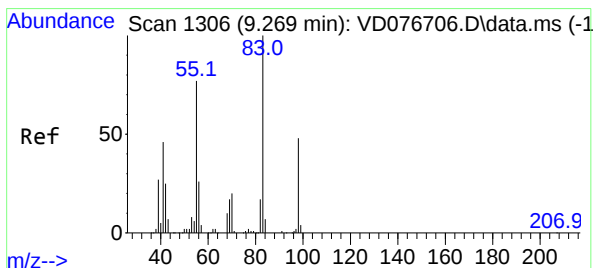
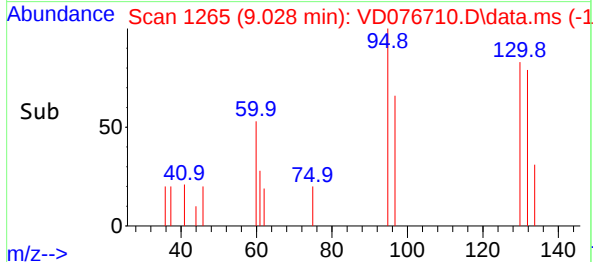
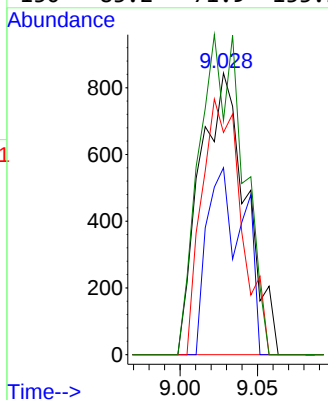


#34  
Trichloroethene  
Concen: 0.551 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46R7RE

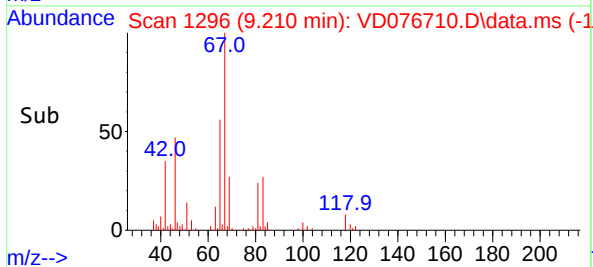
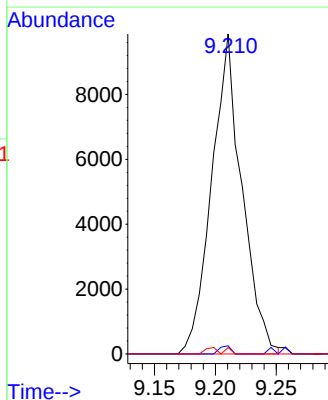
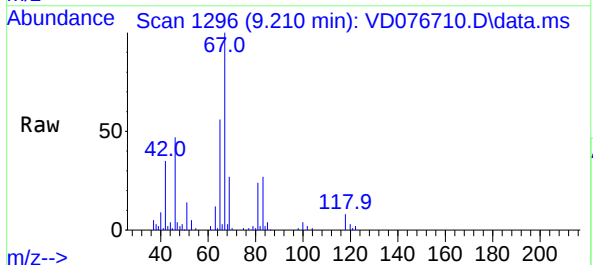


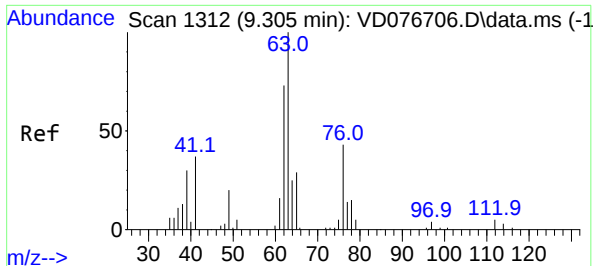
Tgt Ion: 95 Resp: 1751  
Ion Ratio Lower Upper  
95 100  
97 66.4 43.1 80.1  
132 78.9 71.8 133.4  
130 83.2 71.9 133.5



#35  
Methylcyclohexane  
Concen: 3.325 ug/L  
RT: 9.210 min Scan# 1296  
Delta R.T. -0.059 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

Tgt Ion: 83 Resp: 17027  
Ion Ratio Lower Upper  
83 100  
55 0.9 59.8 89.6#  
98 0.4 37.8 56.6#

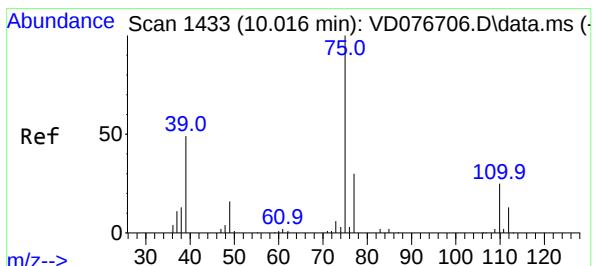
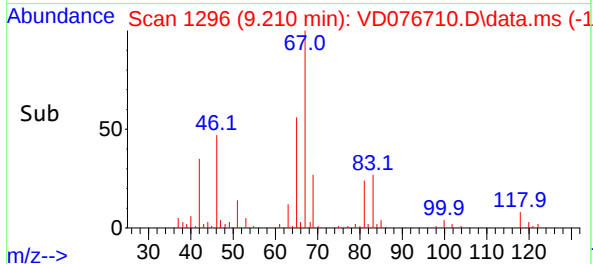
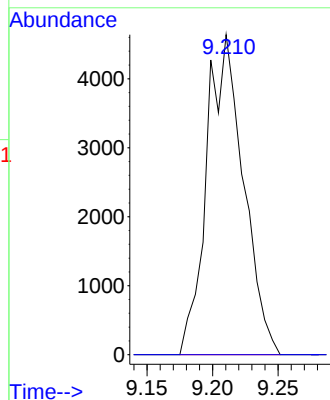
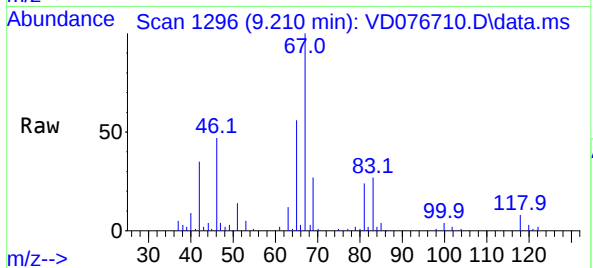




#37  
1,2-Dichloropropane  
Concen: 2.685 ug/L  
RT: 9.210 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

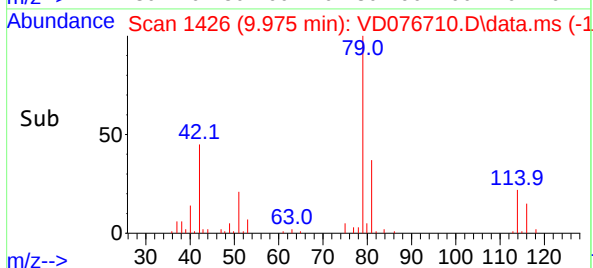
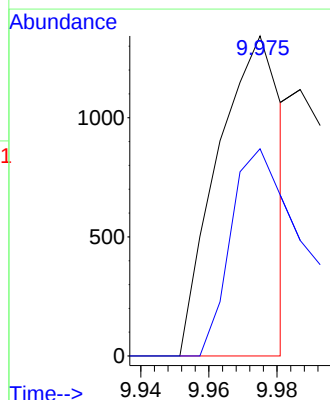
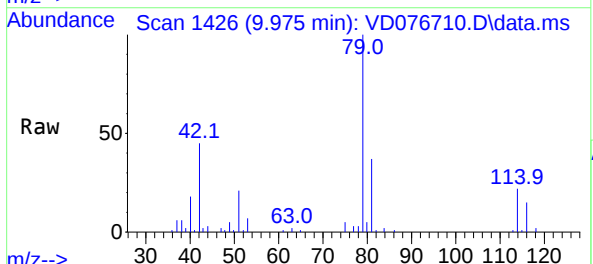
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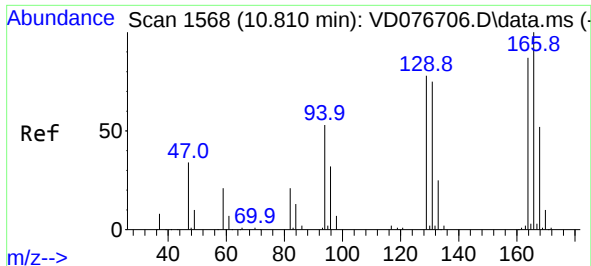
Tgt Ion: 63 Resp: 9050  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



#39  
cis-1,3-Dichloropropene  
Concen: 0.340 ug/L  
RT: 9.975 min Scan# 1426  
Delta R.T. -0.041 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

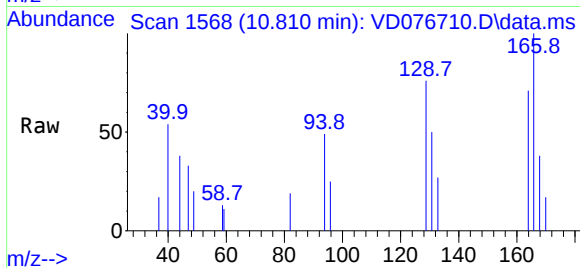
Tgt Ion: 75 Resp: 1751  
Ion Ratio Lower Upper  
75 100  
77 64.8 22.7 42.3#





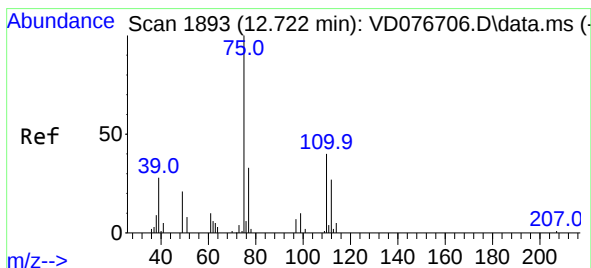
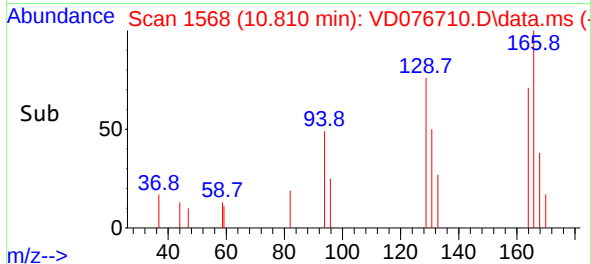
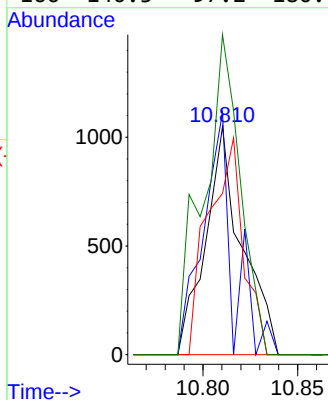
#46  
Tetrachloroethene  
Concen: 0.564 ug/L  
RT: 10.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46R7RE



Tgt Ion:164 Resp: 1407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 106.3 | 65.5  | 121.6 |
| 131 | 70.7  | 64.8  | 120.3 |
| 166 | 140.3 | 97.2  | 180.4 |



#61  
1,2,3-Trichloropropane  
Concen: 4.961 ug/L  
RT: 13.510 min Scan# 2027  
Delta R.T. 0.782 min  
Lab File: VD076710.D  
Acq: 05 Jul 2023 11:55

Tgt Ion: 75 Resp: 5121

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 42.5  | 27.2  | 40.8# |
| 110 | 4.3   | 31.8  | 47.6# |

