

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042823\  
 Data File : VD075899.D  
 Acq On : 28 Apr 2023 20:57  
 Operator : KP/SY  
 Sample : 02548-29  
 Misc : 6.42G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCQ9

Quant Time: Apr 29 05:15:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 29 05:12:16 2023  
 Response via : Initial Calibration

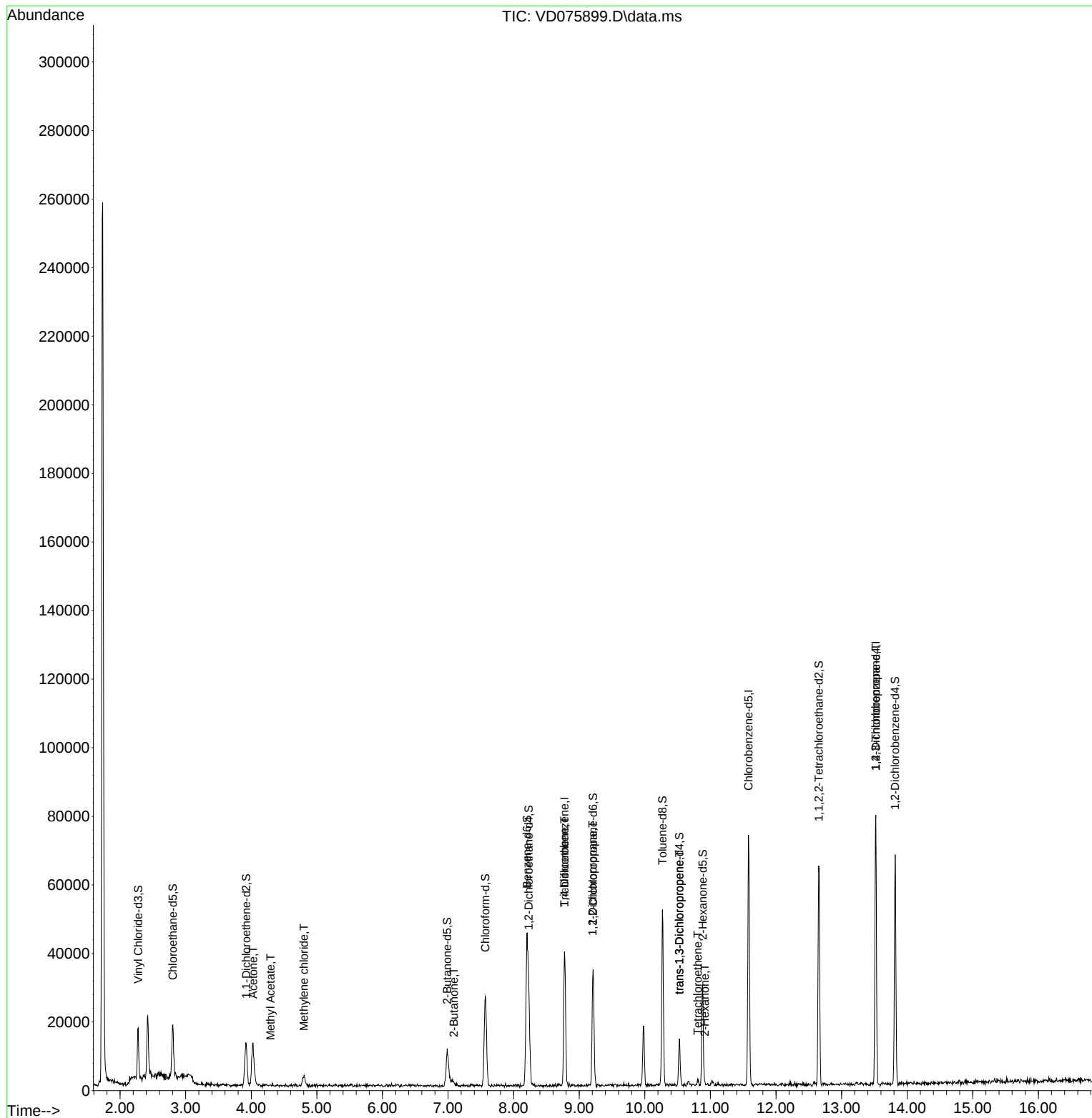
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 40306    | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 48016    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 22774    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 13811    | 15.620   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 62.480%   |
| 7) Chloroethane-d5            | 2.805  | 69    | 15731    | 20.591   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.360%   |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 3562     | 17.473   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 69.880%   |
| 21) 2-Butanone-d5             | 6.987  | 46    | 18175    | 236.776  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 473.560%# |
| 24) Chloroform-d              | 7.569  | 84    | 29589    | 29.357   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 117.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 18205    | 42.295   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 169.200%# |
| 32) Benzene-d6                | 8.205  | 84    | 48547    | 17.347   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 69.400%   |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 18161    | 23.445   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.800%   |
| 41) Toluene-d8                | 10.269 | 98    | 38412    | 14.661   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 58.640%   |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 8346     | 26.066   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 104.280%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 11036    | 118.324  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 236.640%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 35173    | 59.338   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 237.360%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 19869    | 24.665   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.680%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 4.028  | 43    | 19924    | 303.307  | ug/L   | 97        |
| 15) Methyl Acetate            | 4.293  | 43    | 117      | 0.822    | ug/L # | 62        |
| 16) Methylene chloride        | 4.805  | 84    | 1795     | 2.195    | ug/L   | 80        |
| 22) 2-Butanone                | 7.087  | 43    | 426      | 4.974    | ug/L # | 34        |
| 34) Trichloroethene           | 8.775  | 95    | 993      | 1.322    | ug/L # | 2         |
| 37) 1,2-Dichloropropane       | 9.204  | 63    | 1721     | 2.580    | ug/L # | 85        |
| 44) trans-1,3-Dichloropropene | 10.528 | 75    | 371      | 0.435    | ug/L # | 43        |
| 46) Tetrachloroethene         | 10.804 | 164   | 335      | 0.544    | ug/L   | 92        |
| 48) 2-Hexanone                | 10.916 | 43    | 219      | 1.277    | ug/L # | 30        |
| 61) 1,2,3-Trichloropropane    | 13.522 | 75    | 2915     | 8.148    | ug/L # | 59        |
| -----                         |        |       |          |          |        |           |

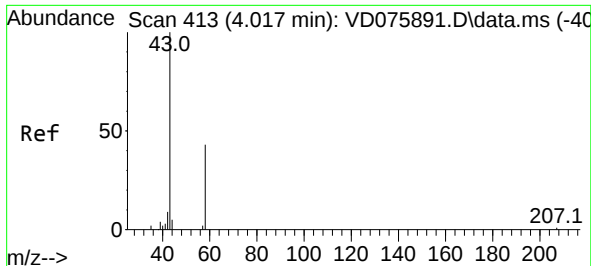
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Sat Apr 29 05:12:16 2023  
Response via : Initial Calibration

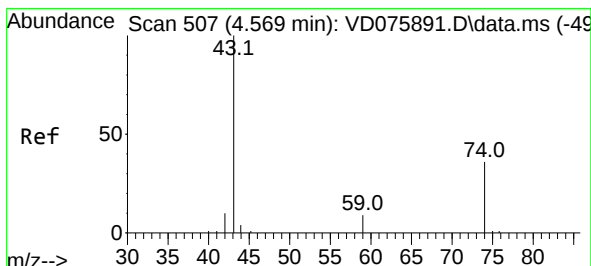
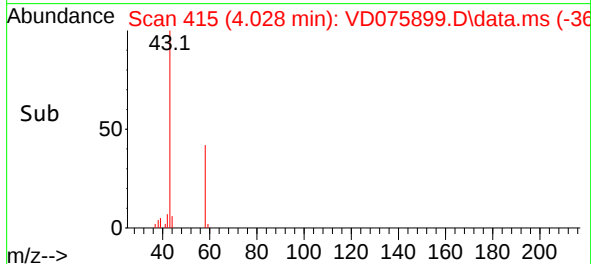
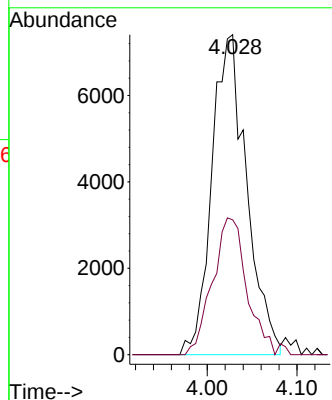
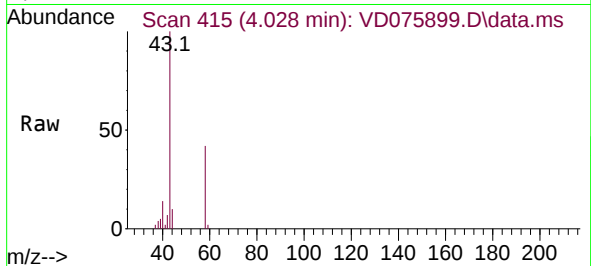




#13  
Acetone  
Concen: 303.307 ug/L  
RT: 4.028 min Scan# 413  
Delta R.T. 0.012 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

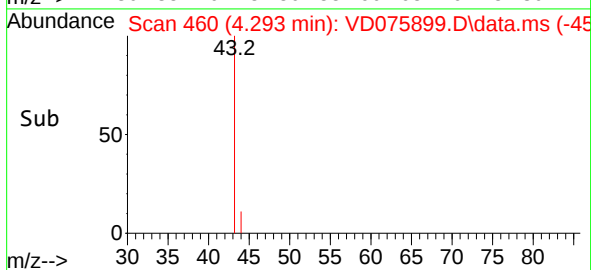
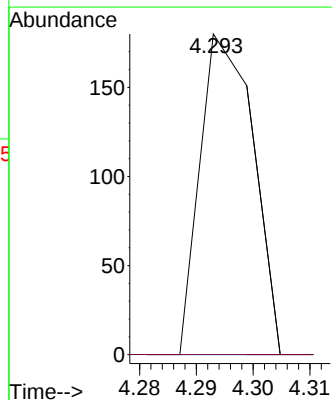
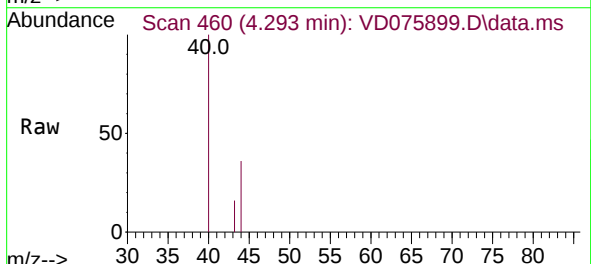
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCQ9

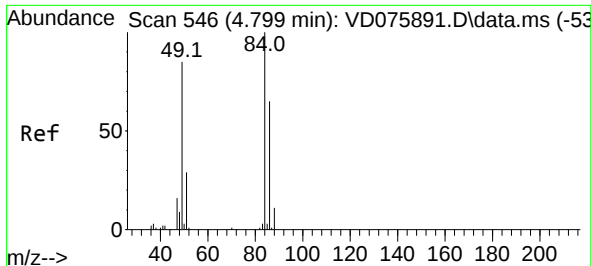
Tgt Ion: 43 Resp: 19924  
Ion Ratio Lower Upper  
43 100  
58 42.0 0.0 87.4



#15  
Methyl Acetate  
Concen: 0.822 ug/L  
RT: 4.293 min Scan# 460  
Delta R.T. -0.277 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

Tgt Ion: 43 Resp: 117  
Ion Ratio Lower Upper  
43 100  
74 0.0 12.8 19.2#

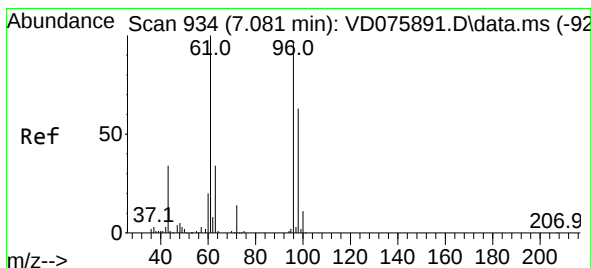
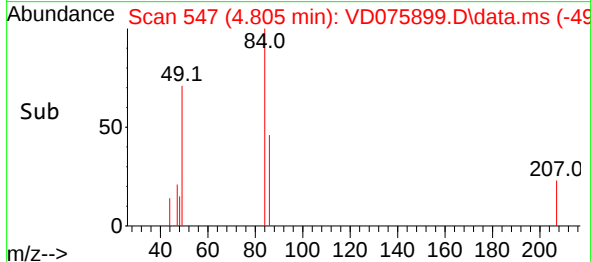
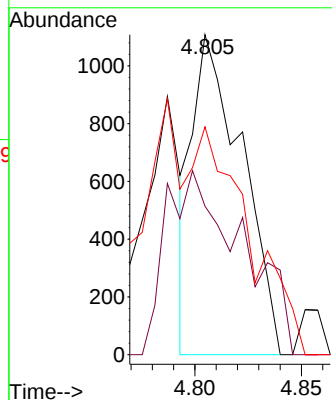
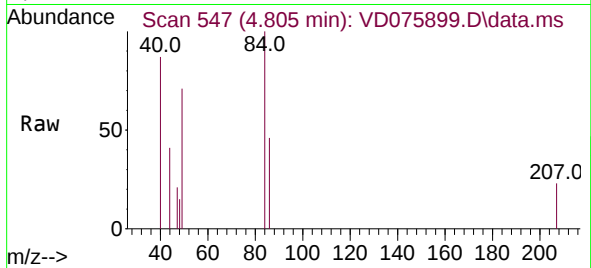




#16  
Methylene chloride  
Concen: 2.195 ug/L  
RT: 4.805 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

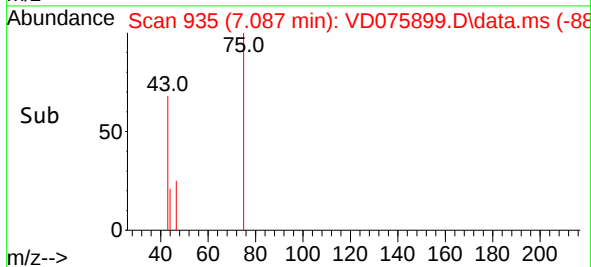
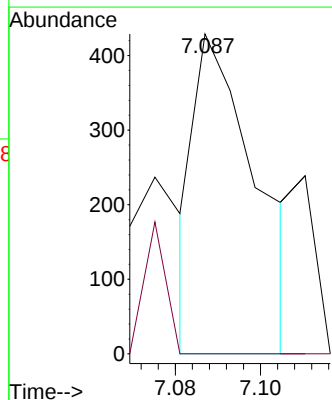
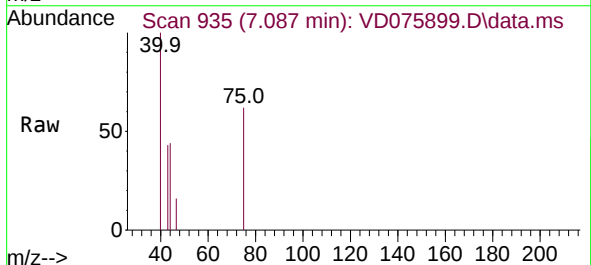
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCQ9

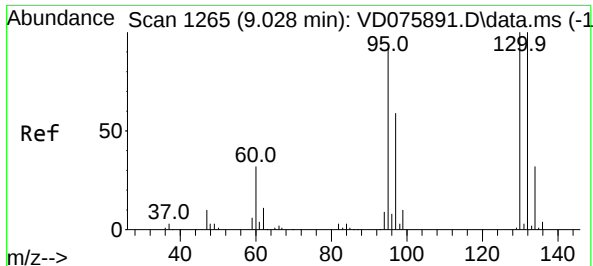
Tgt Ion: 84 Resp: 1795  
Ion Ratio Lower Upper  
84 100  
86 46.4 45.8 85.2  
49 71.2 60.8 112.8



#22  
2-Butanone  
Concen: 4.974 ug/L  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

Tgt Ion: 43 Resp: 426  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 61.5#





#34

Trichloroethene

Concen: 1.322 ug/L

RT: 8.775 min Scan# 11

Delta R.T. -0.253 min

Lab File: VD075899.D

Acq: 28 Apr 2023 20:57

Instrument :

MSVOA\_D

ClientSampleId :

DCCQ9

Tgt Ion: 95 Resp: 993

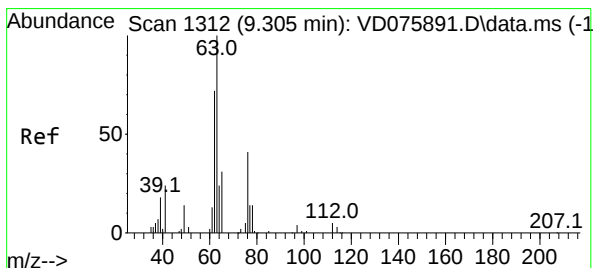
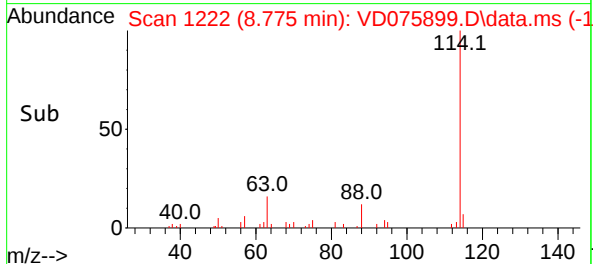
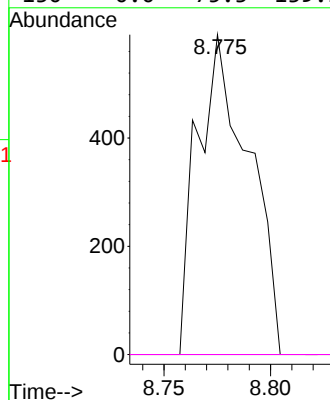
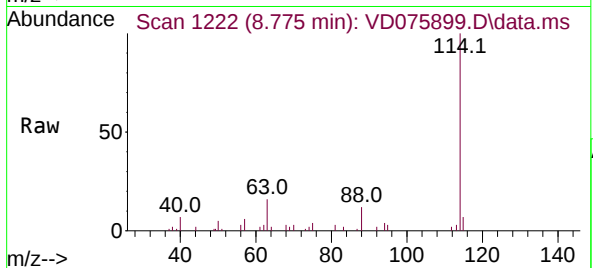
Ion Ratio Lower Upper

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: 2.580 ug/L

RT: 9.204 min Scan# 1295

Delta R.T. -0.100 min

Lab File: VD075899.D

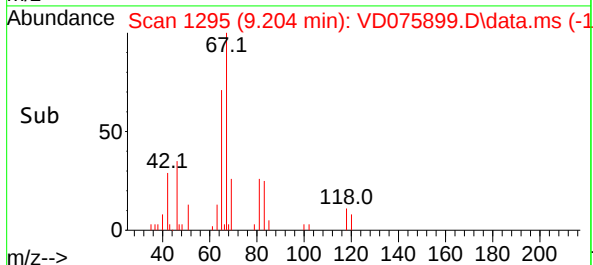
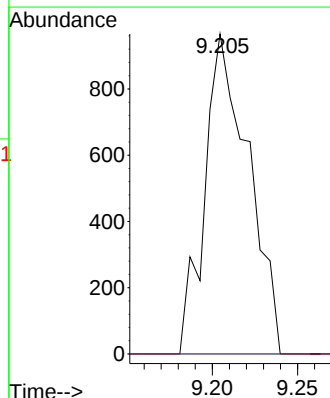
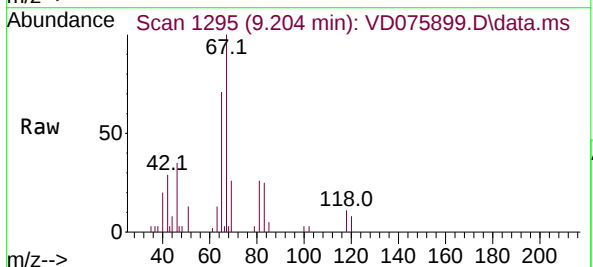
Acq: 28 Apr 2023 20:57

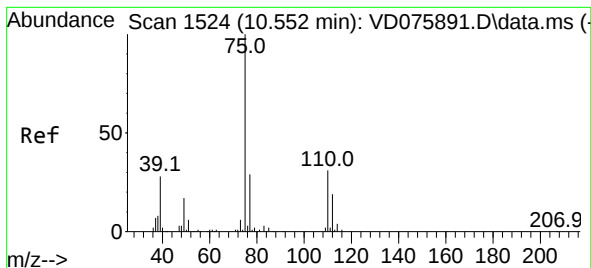
Tgt Ion: 63 Resp: 1721

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#44

trans-1,3-Dichloropropene

Concen: 0.435 ug/L

RT: 10.528 min Scan# 1520

Delta R.T. -0.024 min

Lab File: VD075899.D

Acq: 28 Apr 2023 20:57

Instrument :

MSVOA\_D

ClientSampleId :

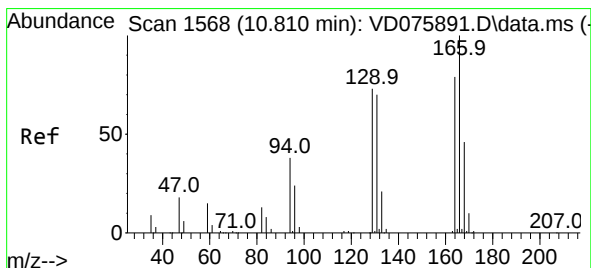
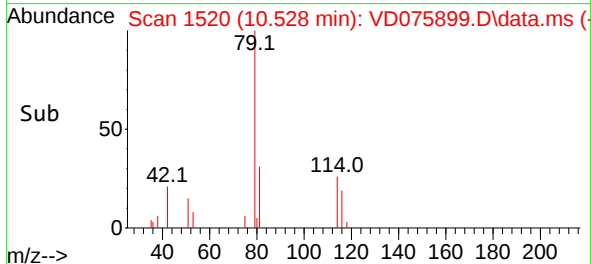
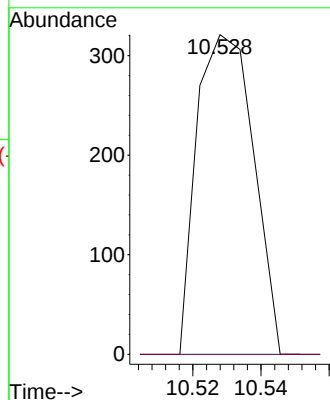
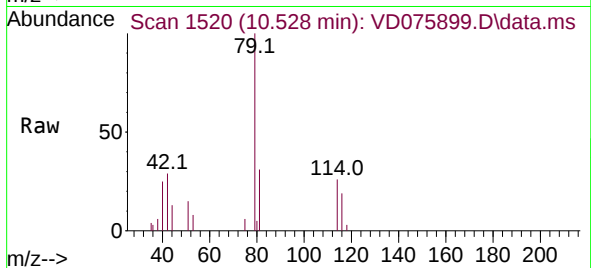
DCCQ9

Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

77 0.0 22.0 41.0#



#46

Tetrachloroethene

Concen: 0.544 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD075899.D

Acq: 28 Apr 2023 20:57

Tgt Ion: 164 Resp: 335

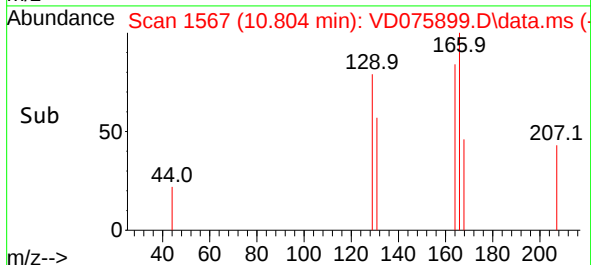
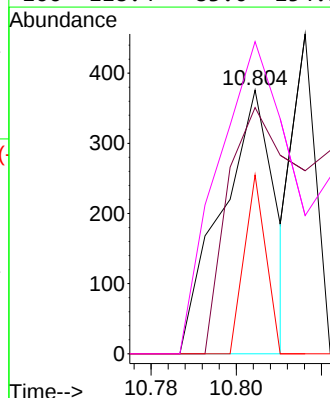
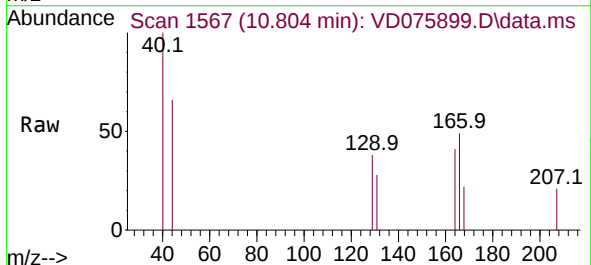
Ion Ratio Lower Upper

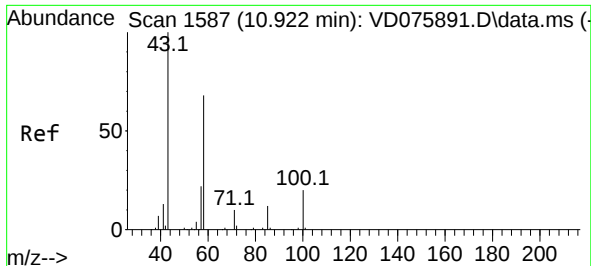
164 100

129 93.4 60.3 112.1

131 67.8 58.9 109.3

166 118.4 83.0 154.1



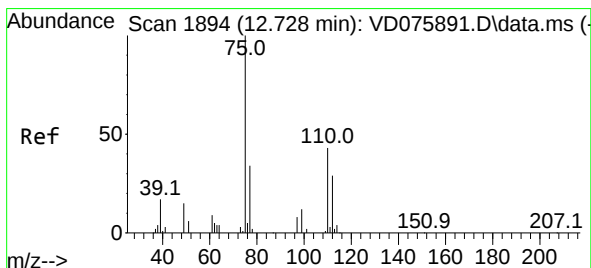
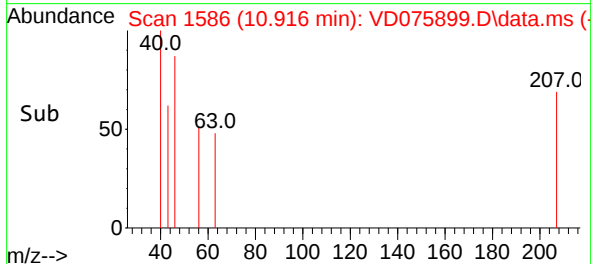
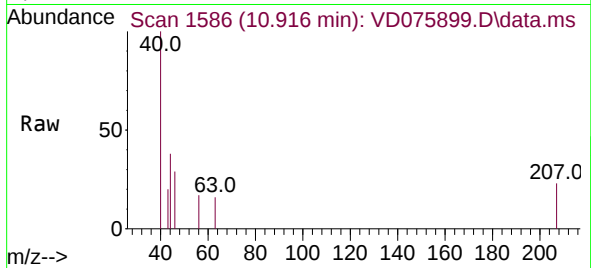


#48  
2-Hexanone  
Concen: 1.277 ug/L  
RT: 10.916 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCQ9

Tgt Ion: 43 Resp: 219

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 146.6 | 59.7  | 89.5# |
| 57  | 0.0   | 17.9  | 26.9# |
| 100 | 0.0   | 15.8  | 23.6# |



#61  
1,2,3-Trichloropropane  
Concen: 8.148 ug/L  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.794 min  
Lab File: VD075899.D  
Acq: 28 Apr 2023 20:57

Tgt Ion: 75 Resp: 2915

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 28.4  | 26.6  | 39.8  |
| 110 | 0.0   | 33.5  | 50.3# |

