

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042123\  
 Data File : VD075783.D  
 Acq On : 21 Apr 2023 18:53  
 Operator : KP/SY  
 Sample : 02419-06  
 Misc : 5.36G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EW921

Quant Time: Apr 22 03:56:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 22 03:53:08 2023  
 Response via : Initial Calibration

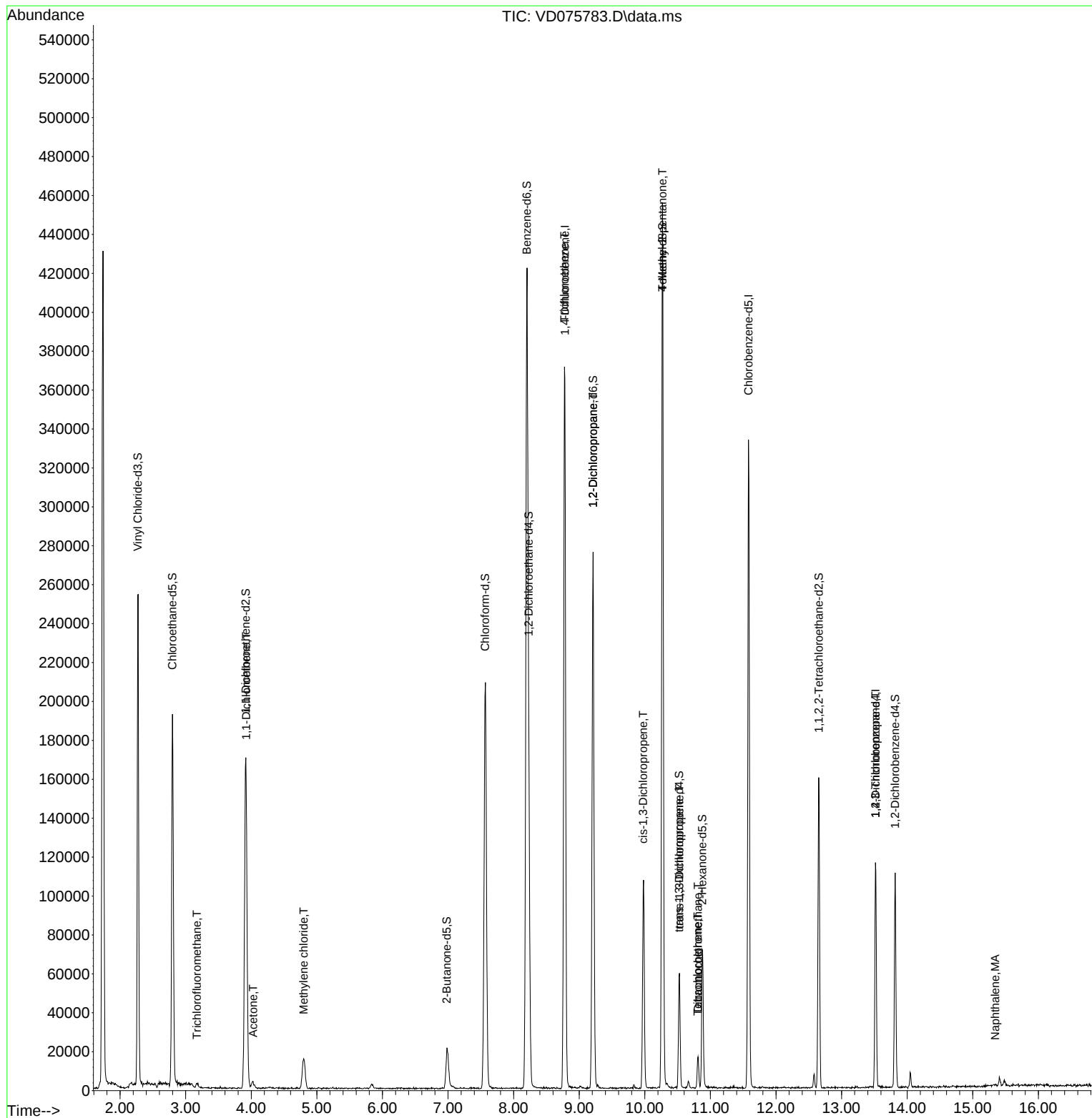
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 368081   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 217729   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 34005    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 246160   | 30.485   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 121.960%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 209681   | 30.054   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 120.200%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 47416    | 25.470   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 101.880%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 35004    | 49.935   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.880%   |
| 24) Chloroform-d              | 7.563  | 84    | 228658   | 24.842   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.360%   |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 101688   | 25.870   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.480%  |
| 32) Benzene-d6                | 8.199  | 84    | 485888   | 38.288   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 153.160%# |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 143169   | 40.760   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 163.040%# |
| 41) Toluene-d8                | 10.269 | 98    | 339045   | 28.538   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 114.160%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 36952    | 25.451   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 101.800%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 26643    | 62.996   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 126.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 85945    | 31.975   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 127.920%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 31266    | 25.994   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 103.960%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 9) Trichlorofluoromethane     | 3.170  | 101   | 2722     | 0.366    | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 3.922  | 96    | 1464     | 0.302    | ug/L # | 1         |
| 13) Acetone                   | 4.028  | 43    | 5176     | 8.628    | ug/L   | 92        |
| 16) Methylene chloride        | 4.799  | 84    | 14909    | 1.997    | ug/L   | 92        |
| 34) Trichloroethene           | 8.775  | 95    | 9451     | 2.775    | ug/L # | 2         |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 14915    | 4.930    | ug/L # | 85        |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 2828     | 0.588    | ug/L # | 40        |
| 40) 4-Methyl-2-pentanone      | 10.269 | 43    | 721      | 0.654    | ug/L # | 1         |
| 44) trans-1,3-Dichloropropene | 10.528 | 75    | 1577     | 0.408    | ug/L # | 61        |
| 46) Tetrachloroethene         | 10.804 | 164   | 3850     | 1.378    | ug/L   | 91        |
| 49) Dibromochloromethane      | 10.810 | 129   | 3497     | 1.248    | ug/L # | 10        |
| 61) 1,2,3-Trichloropropane    | 13.516 | 75    | 3844     | 7.196    | ug/L # | 61        |
| 71) Naphthalene               | 15.339 | 128   | 756      | 0.345    | ug/L # | 69        |
| -----                         |        |       |          |          |        |           |

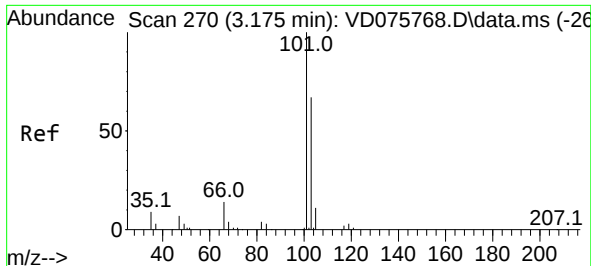
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Sat Apr 22 03:53:08 2023  
Response via : Initial Calibration

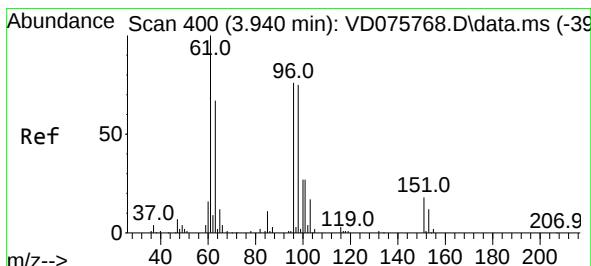
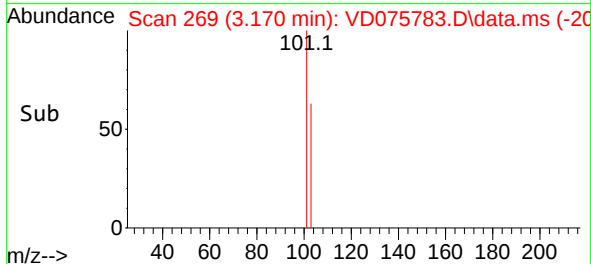
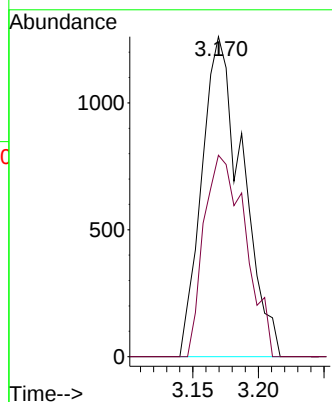
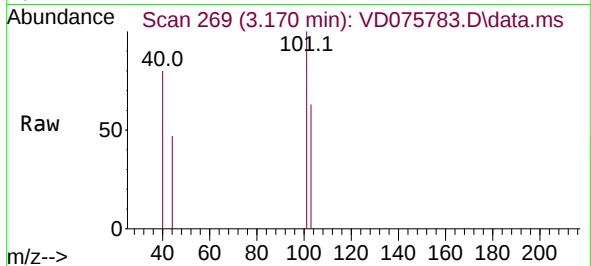




#9  
 Trichlorofluoromethane  
 Concen: 0.366 ug/L  
 RT: 3.170 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD075783.D  
 Acq: 21 Apr 2023 18:53

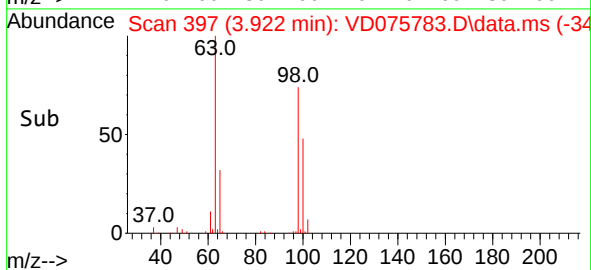
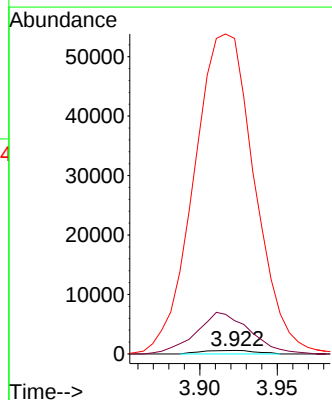
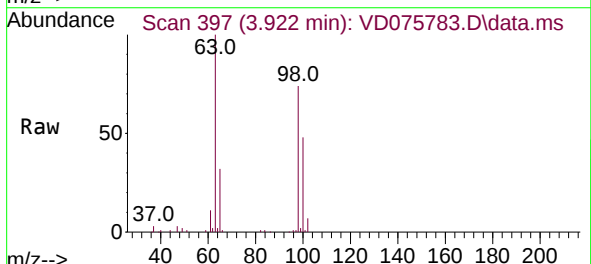
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EW921

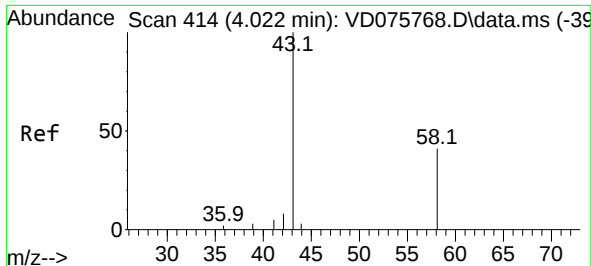
Tgt Ion:101 Resp: 2722  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 0.302 ug/L  
 RT: 3.922 min Scan# 397  
 Delta R.T. -0.018 min  
 Lab File: VD075783.D  
 Acq: 21 Apr 2023 18:53

Tgt Ion: 96 Resp: 1464  
 Ion Ratio Lower Upper  
 96 100  
 61 960.8 92.6 172.0#  
 63 9086.3 77.4 143.8#

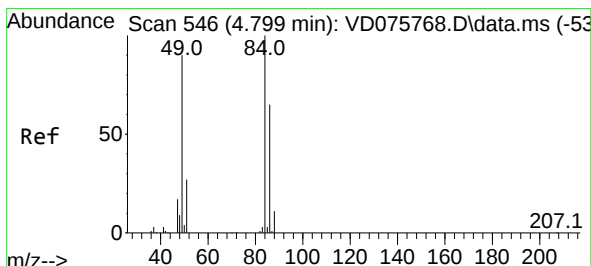
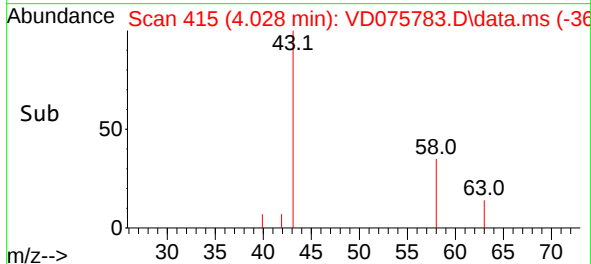
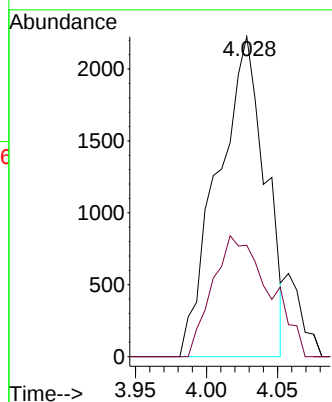
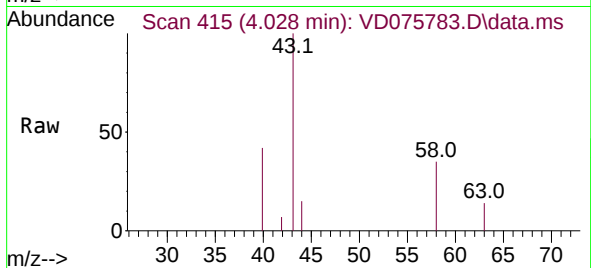




#13  
Acetone  
Concen: 8.628 ug/L  
RT: 4.028 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

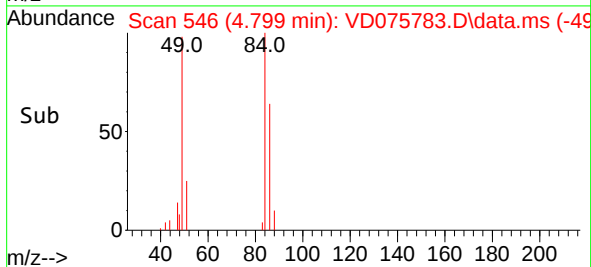
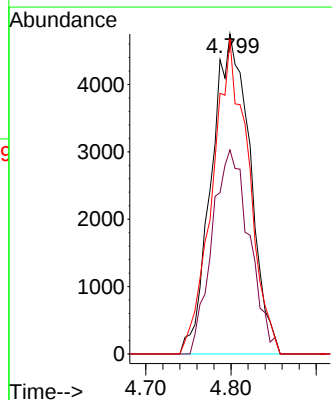
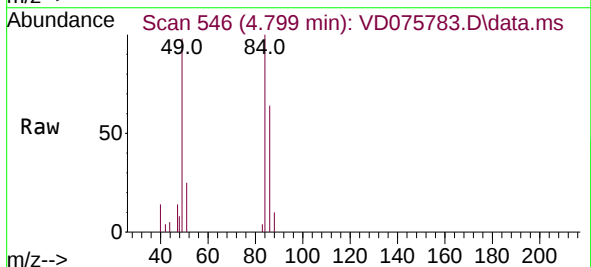
Instrument :  
MSVOA\_D  
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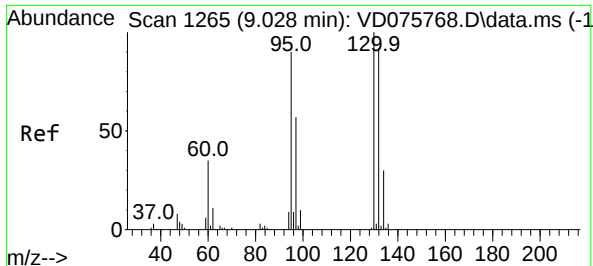
Tgt Ion: 43 Resp: 5176  
Ion Ratio Lower Upper  
43 100  
58 38.4 0.0 87.4



#16  
Methylene chloride  
Concen: 1.997 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. 0.000 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

Tgt Ion: 84 Resp: 14909  
Ion Ratio Lower Upper  
84 100  
86 63.7 45.8 85.2  
49 98.4 60.8 112.8

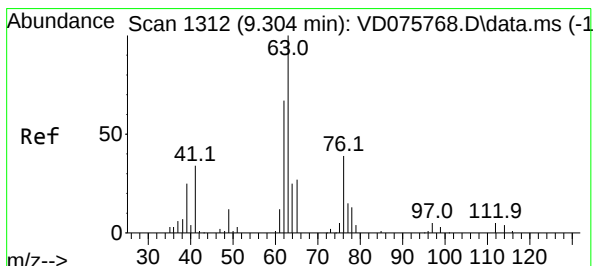
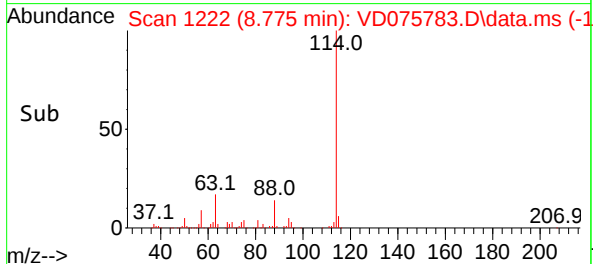
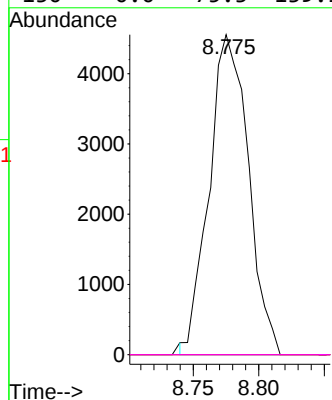
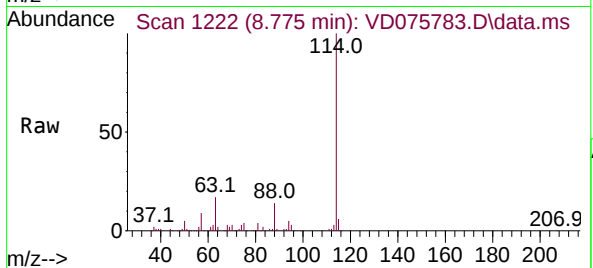




#34  
Trichloroethene  
Concen: 2.775 ug/L  
RT: 8.775 min Scan# 11  
Delta R.T. -0.253 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

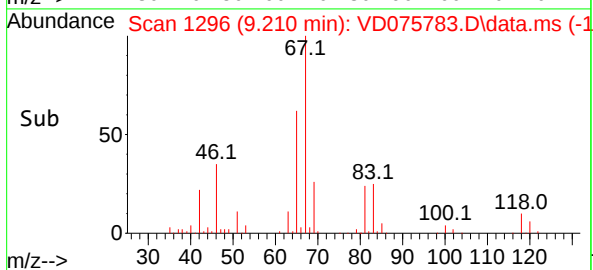
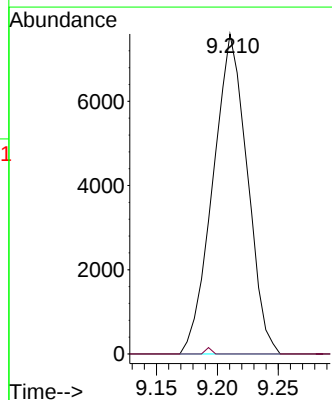
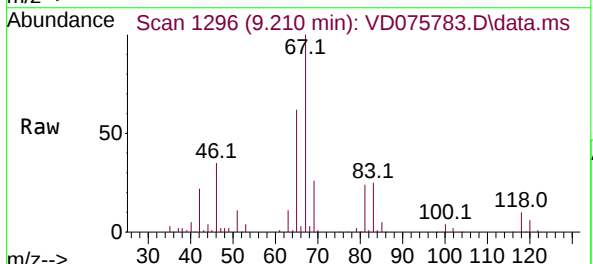
Instrument :  
MSVOA\_D  
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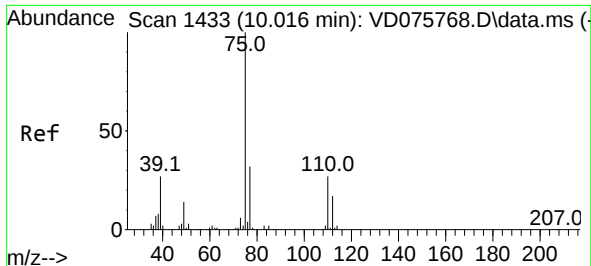
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 9451   |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 0.0   | 46.0  | 85.4#  |
| 132      | 0.0   | 73.3  | 136.1# |
| 130      | 0.0   | 75.3  | 139.9# |



#37  
1,2-Dichloropropane  
Concen: 4.930 ug/L  
RT: 9.210 min Scan# 1296  
Delta R.T. -0.094 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 14915 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.0   | 6.0#  |

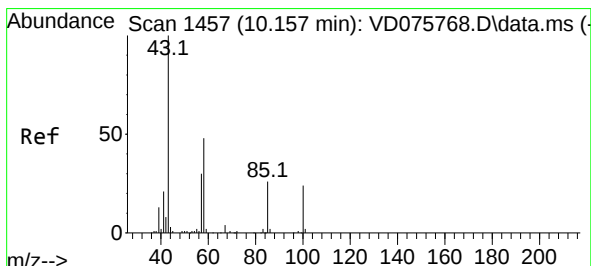
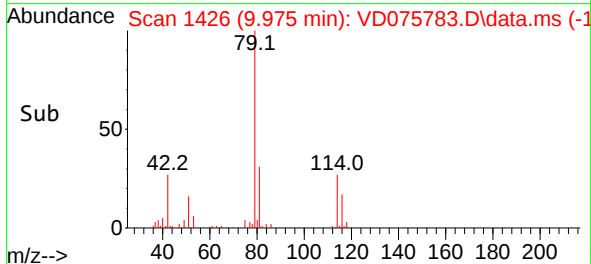
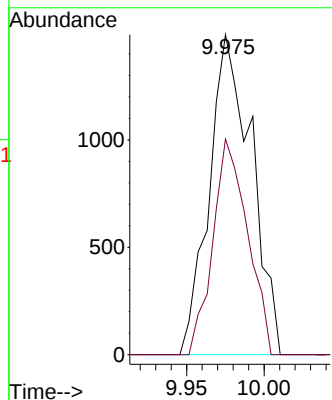
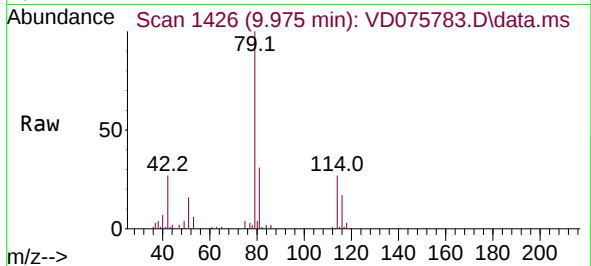




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.588 ug/L  
 RT: 9.975 min Scan# 1433  
 Delta R.T. -0.041 min  
 Lab File: VD075783.D  
 Acq: 21 Apr 2023 18:53

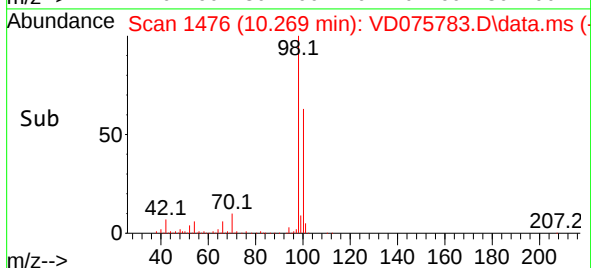
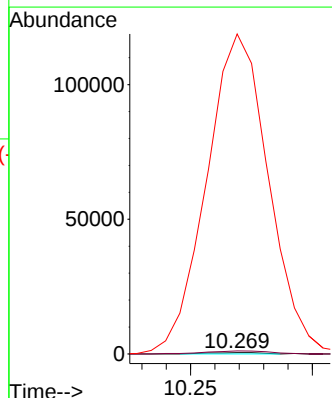
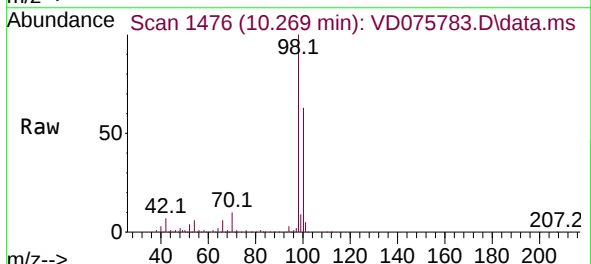
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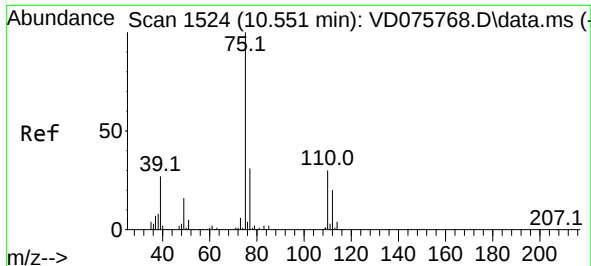
Tgt Ion: 75 Resp: 2828  
 Ion Ratio Lower Upper  
 75 100  
 77 67.4 23.4 43.6#



#40  
 4-Methyl-2-pentanone  
 Concen: 0.654 ug/L  
 RT: 10.269 min Scan# 1476  
 Delta R.T. 0.112 min  
 Lab File: VD075783.D  
 Acq: 21 Apr 2023 18:53

Tgt Ion: 43 Resp: 721  
 Ion Ratio Lower Upper  
 43 100  
 58 292.0 39.1 58.7#  
 100 29418.2 19.4 29.0#

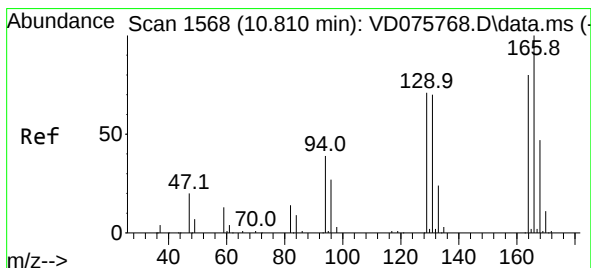
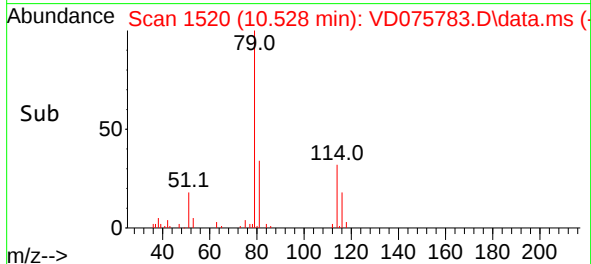
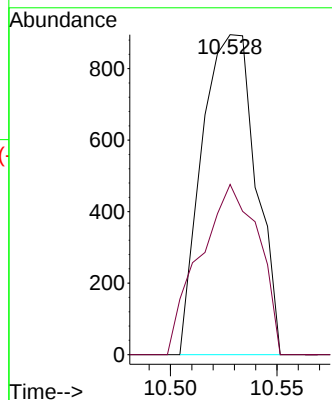
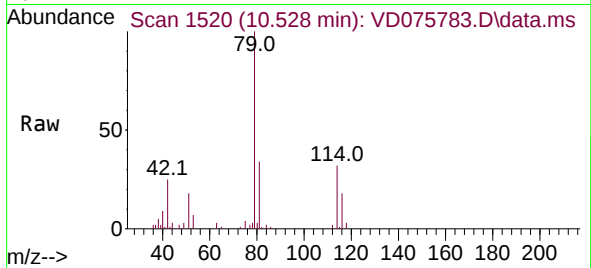




#44  
trans-1,3-Dichloropropene  
Concen: 0.408 ug/L  
RT: 10.528 min Scan# 1520  
Delta R.T. -0.023 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

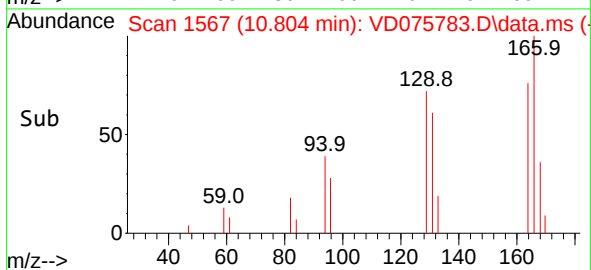
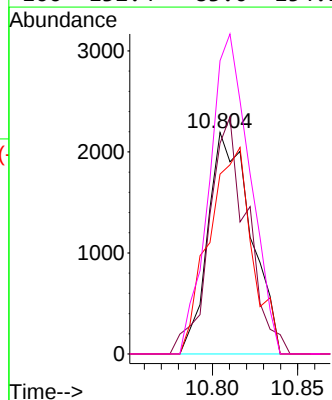
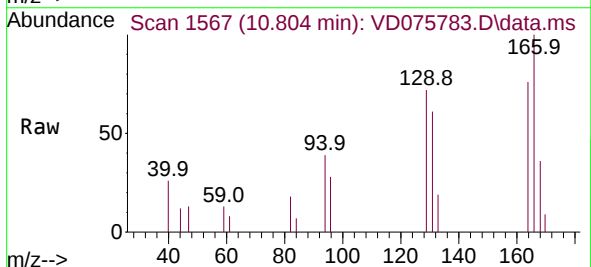
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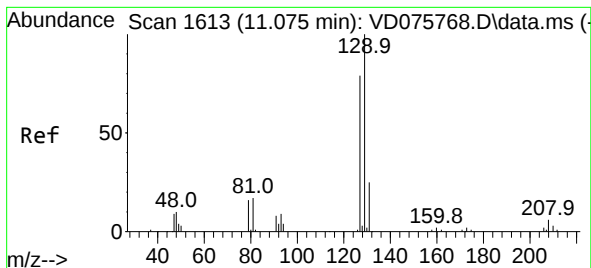
Tgt Ion: 75 Resp: 1577  
Ion Ratio Lower Upper  
75 100  
77 53.2 22.0 41.0#



#46  
Tetrachloroethene  
Concen: 1.378 ug/L  
RT: 10.804 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VD075783.D  
Acq: 21 Apr 2023 18:53

Tgt Ion:164 Resp: 3850  
Ion Ratio Lower Upper  
164 100  
129 95.1 60.3 112.1  
131 81.2 58.9 109.3  
166 132.4 83.0 154.1





#49

Dibromochloromethane

Concen: 1.248 ug/L

RT: 10.810 min Scan# 1

Delta R.T. -0.265 min

Lab File: VD075783.D

Acq: 21 Apr 2023 18:53

Instrument :

MSVOA\_D

ClientSampleId :

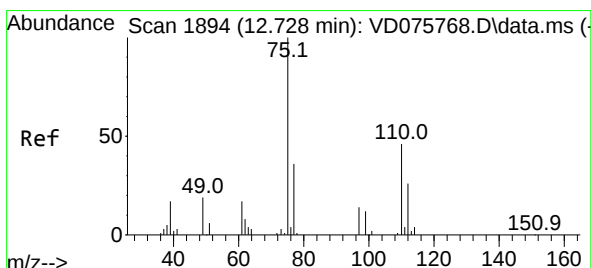
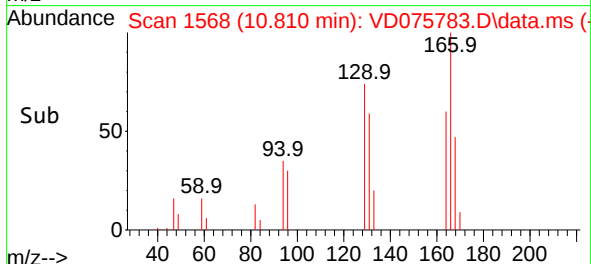
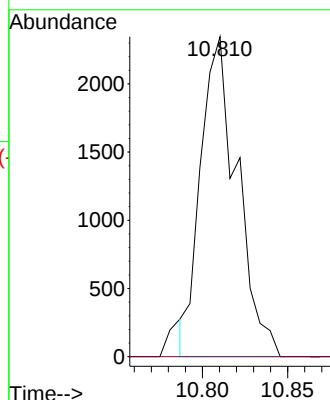
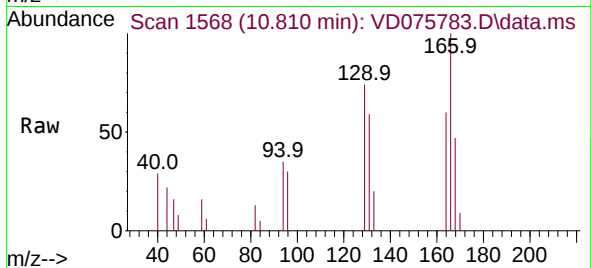
EW921

Tgt Ion:129 Resp: 3497

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#61

1,2,3-Trichloropropane

Concen: 7.196 ug/L

RT: 13.516 min Scan# 2028

Delta R.T. 0.788 min

Lab File: VD075783.D

Acq: 21 Apr 2023 18:53

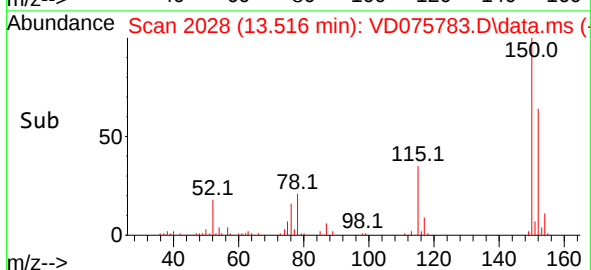
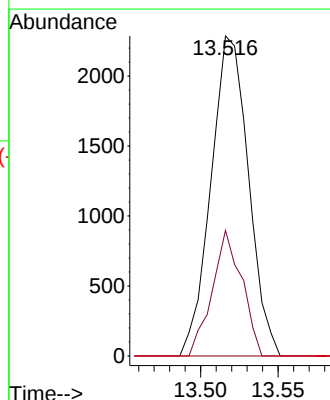
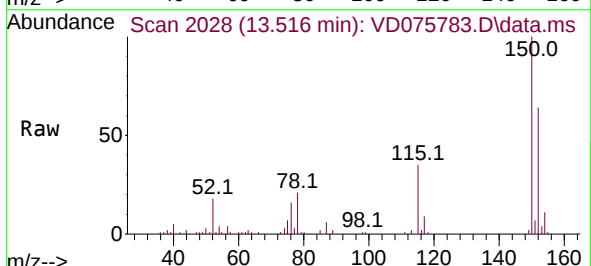
Tgt Ion: 75 Resp: 3844

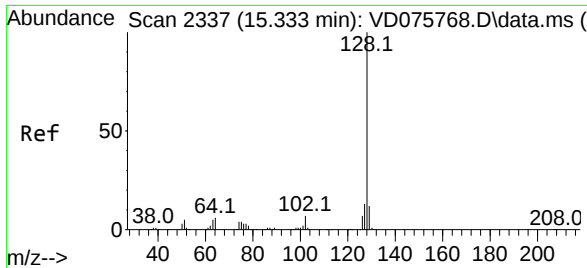
Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8

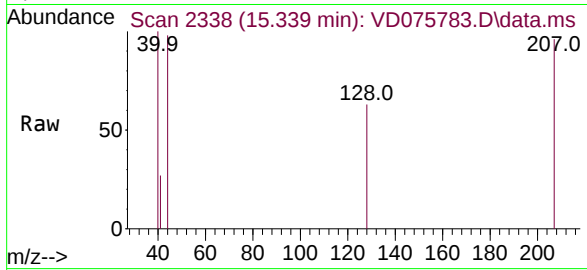
110 0.0 33.5 50.3#





#71  
 Naphthalene  
 Concen: 0.345 ug/L  
 RT: 15.339 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD075783.D  
 Acq: 21 Apr 2023 18:53

Instrument : MSVOA\_D  
 ClientSampleId : EW921



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 756   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 0.0   | 10.5  | 15.7# |
| 129       | 0.0   | 9.1   | 13.7# |

