

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091724\  
 Data File : VD079854.D  
 Acq On : 17 Sep 2024 16:35  
 Operator : RP/MD  
 Sample : P4083-03  
 Misc : 5.42G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 18 04:52:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 18 04:50:50 2024  
 Response via : Initial Calibration

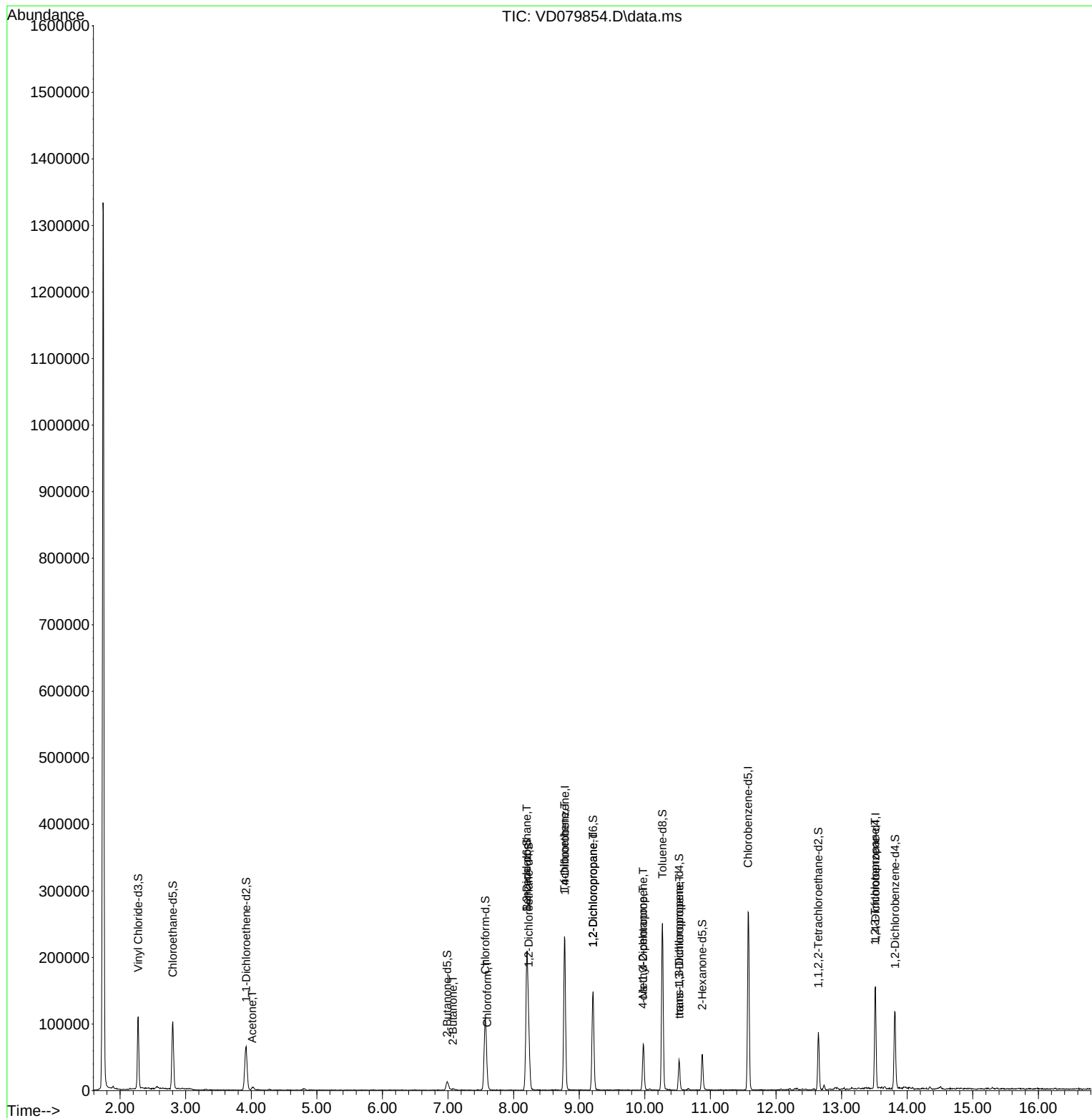
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 191531   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.575 | 117   | 156877   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 41296    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 102616   | 12.321   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 49.280%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 105132   | 15.944   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.760%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 19078    | 12.617   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.480%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 22053    | 28.499   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 57.000%  |
| 24) Chloroform-d              | 7.569  | 84    | 114632   | 18.207   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 72.840%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 57927    | 17.595   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 70.400%  |
| 32) Benzene-d6                | 8.199  | 84    | 215891   | 19.493   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 77.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 73458    | 21.656   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.640%  |
| 41) Toluene-d8                | 10.269 | 98    | 174718   | 17.927   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 71.720%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 25567    | 17.531   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 70.120%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 17645    | 31.911   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 63.820%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84    | 43597    | 17.490   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 69.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 30677    | 19.698   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 78.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.017  | 43    | 3341     | 3.541    | ug/L   | 67       |
| 22) 2-Butanone                | 7.075  | 43    | 944      | 0.853    | ug/L   | 76       |
| 25) Chloroform                | 7.599  | 83    | 6947     | 1.084    | ug/L   | 91       |
| 27) 1,2-Dichloroethane        | 8.199  | 62    | 839      | 0.214    | ug/L # | 74       |
| 34) Trichloroethene           | 8.775  | 95    | 5833     | 2.161    | ug/L # | 8        |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 8097     | 2.542    | ug/L # | 100      |
| 39) cis-1,3-Dichloropropene   | 9.975  | 75    | 2359     | 0.527    | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 9.969  | 43    | 806      | 0.483    | ug/L # | 52       |
| 44) trans-1,3-Dichloropropene | 10.528 | 75    | 1342     | 0.340    | ug/L   | 86       |
| 61) 1,2,3-Trichloropropane    | 13.510 | 75    | 5467     | 5.386    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

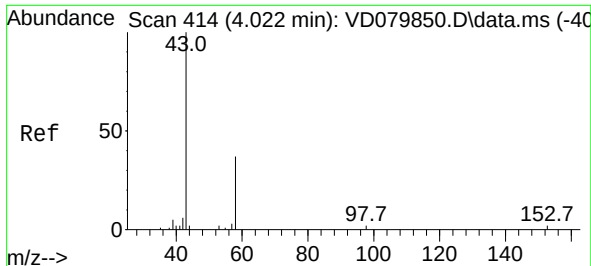
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 18 04:52:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Sep 18 04:50:50 2024  
Response via : Initial Calibration

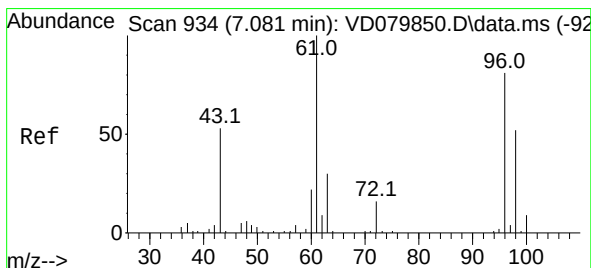
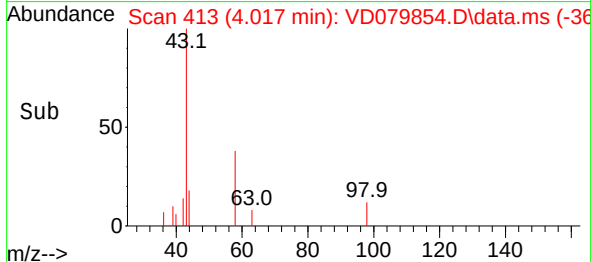
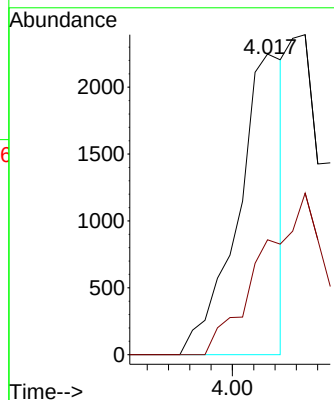
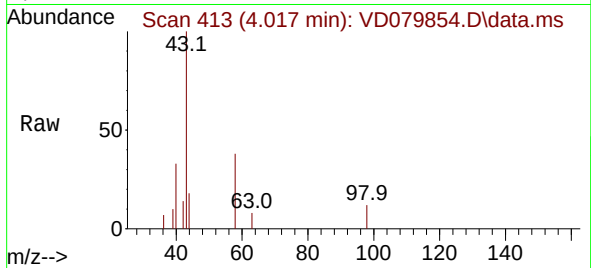




#13  
Acetone  
Concen: 3.541 ug/L  
RT: 4.017 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VD079854.D  
Acq: 17 Sep 2024 16:35

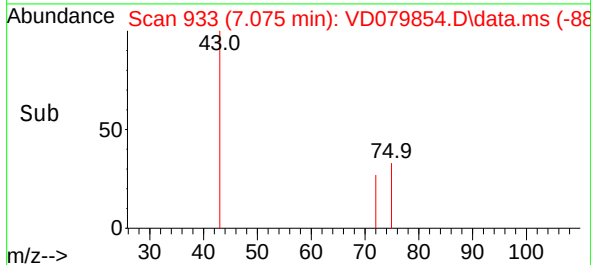
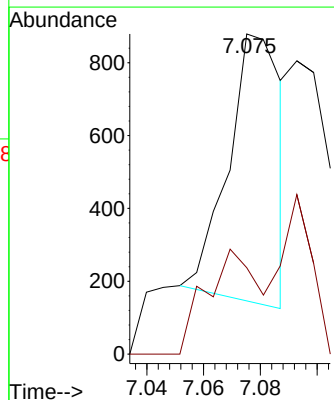
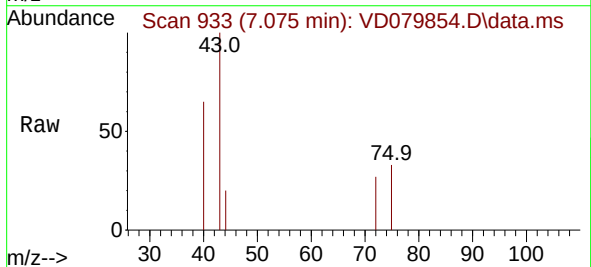
Instrument :  
MSVOA\_D  
ClientSampleId :

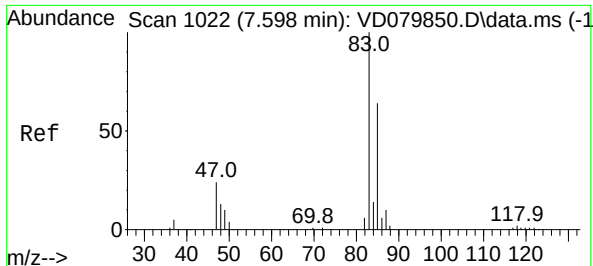
Tgt Ion: 43 Resp: 3341  
Ion Ratio Lower Upper  
43 100  
58 18.1 0.0 75.8



#22  
2-Butanone  
Concen: 0.853 ug/L  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD079854.D  
Acq: 17 Sep 2024 16:35

Tgt Ion: 43 Resp: 944  
Ion Ratio Lower Upper  
43 100  
72 38.6 13.1 39.3





#25

Chloroform

Concen: 1.084 ug/L

RT: 7.599 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079854.D

Acq: 17 Sep 2024 16:35

Instrument :

MSVOA\_D

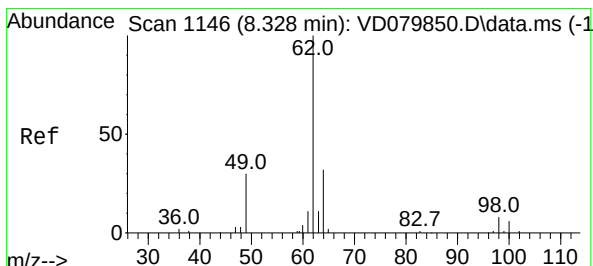
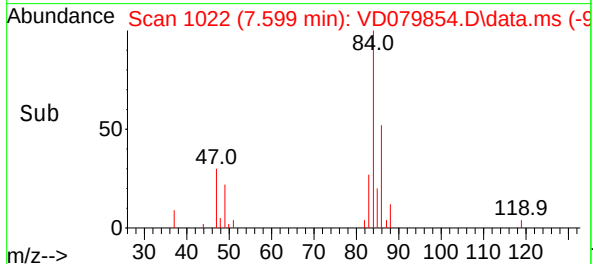
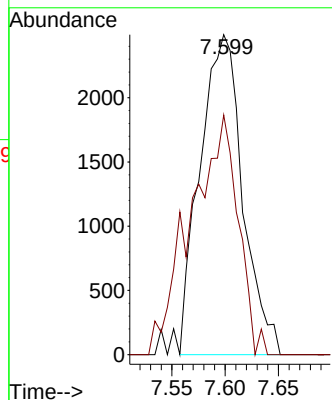
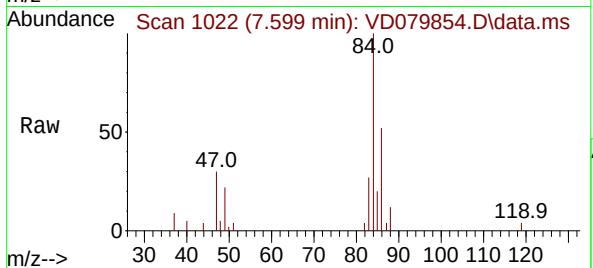
ClientSampleId :

Tgt Ion: 83 Resp: 6947

Ion Ratio Lower Upper

83 100

85 74.9 47.3 87.9



#27

1,2-Dichloroethane

Concen: 0.214 ug/L

RT: 8.199 min Scan# 1124

Delta R.T. -0.129 min

Lab File: VD079854.D

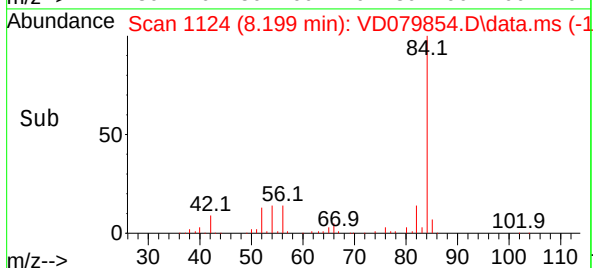
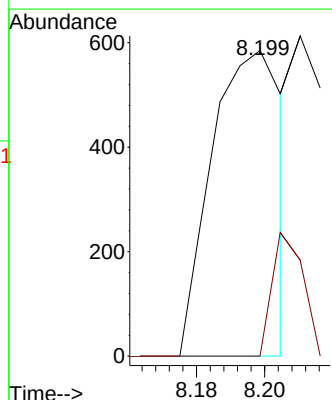
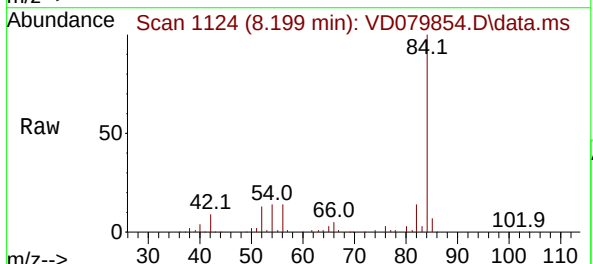
Acq: 17 Sep 2024 16:35

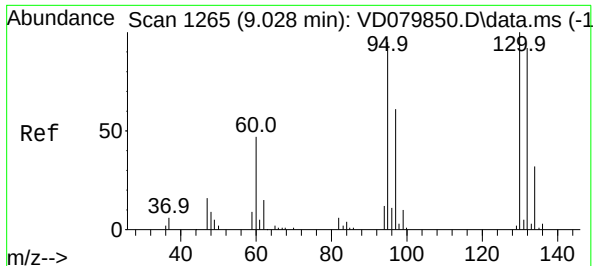
Tgt Ion: 62 Resp: 839

Ion Ratio Lower Upper

62 100

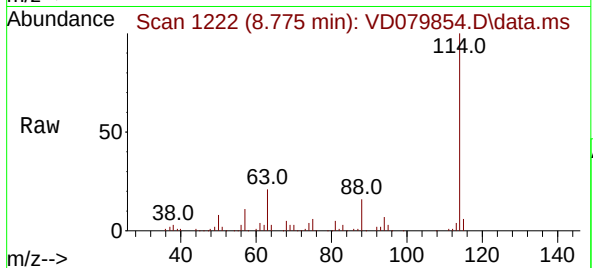
98 0.0 7.5 11.3#



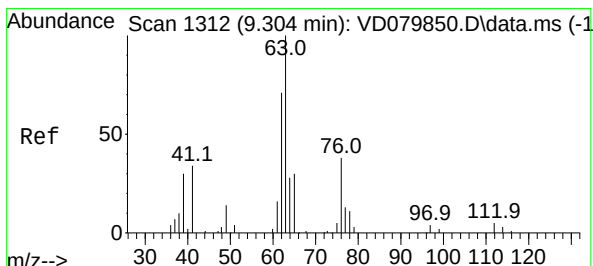
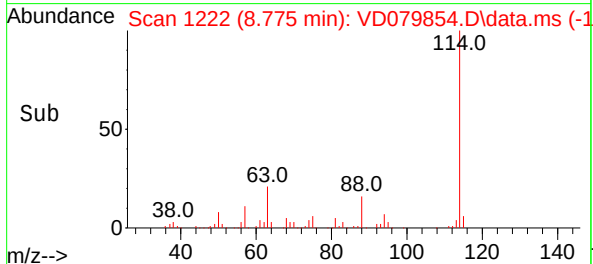
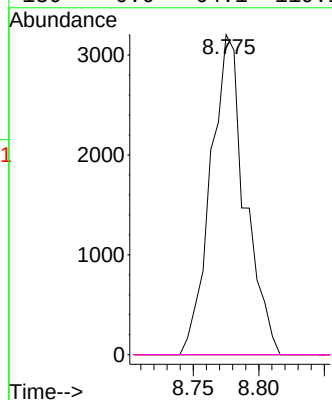


#34  
 Trichloroethene  
 Concen: 2.161 ug/L  
 RT: 8.775 min Scan# 1296  
 Delta R.T. -0.253 min  
 Lab File: VD079854.D  
 Acq: 17 Sep 2024 16:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :

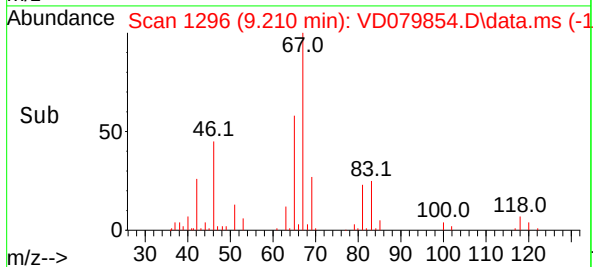
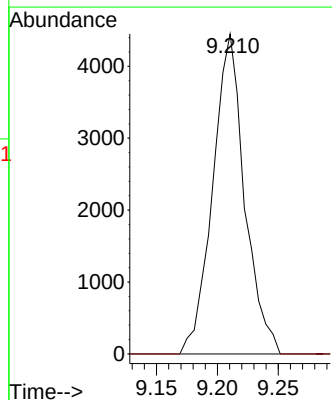
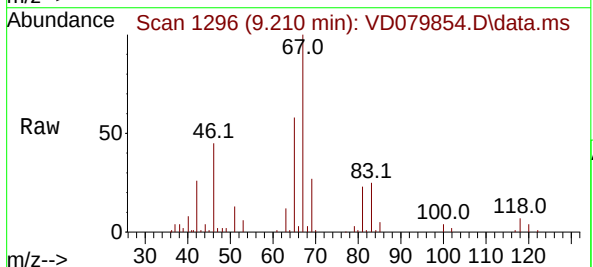


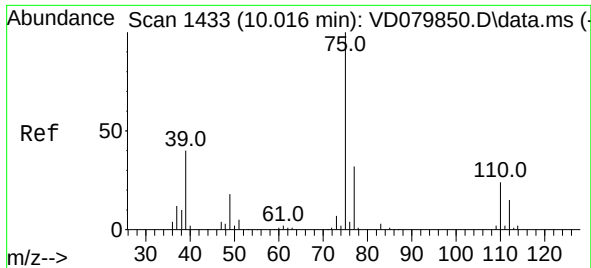
Tgt Ion: 95 Resp: 5833  
 Ion Ratio Lower Upper  
 95 100  
 97 0.0 43.5 80.7#  
 132 0.0 64.5 119.7#  
 130 0.0 64.1 119.1#



#37  
 1,2-Dichloropropane  
 Concen: 2.542 ug/L  
 RT: 9.210 min Scan# 1296  
 Delta R.T. -0.094 min  
 Lab File: VD079854.D  
 Acq: 17 Sep 2024 16:35

Tgt Ion: 63 Resp: 8097  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 0.0 0.0





#39

cis-1,3-Dichloropropene

Concen: 0.527 ug/L

RT: 9.975 min Scan# 1426

Delta R.T. -0.041 min

Lab File: VD079854.D

Acq: 17 Sep 2024 16:35

Instrument :

MSVOA\_D

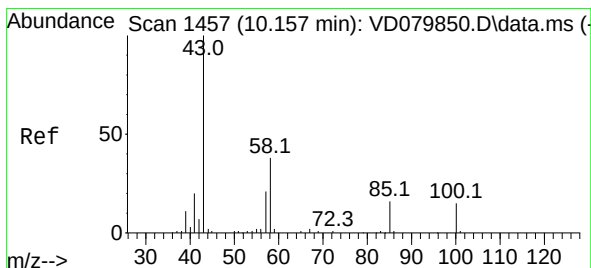
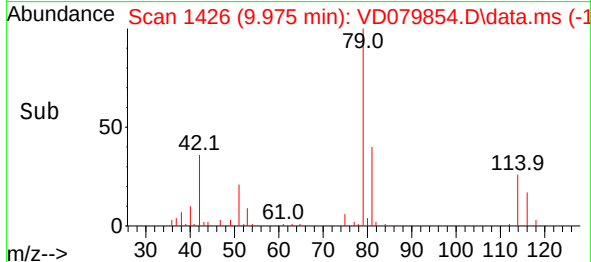
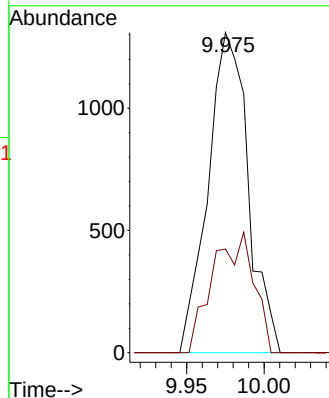
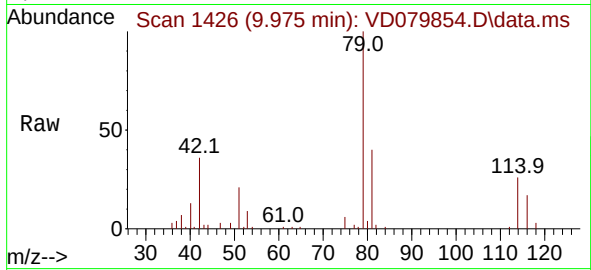
ClientSampleId :

Tgt Ion: 75 Resp: 2359

Ion Ratio Lower Upper

75 100

77 32.4 24.1 44.8



#40

4-Methyl-2-pentanone

Concen: 0.483 ug/L

RT: 9.969 min Scan# 1425

Delta R.T. -0.188 min

Lab File: VD079854.D

Acq: 17 Sep 2024 16:35

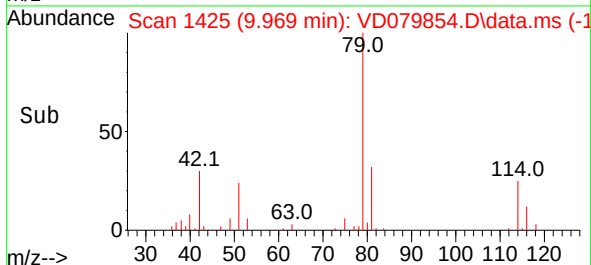
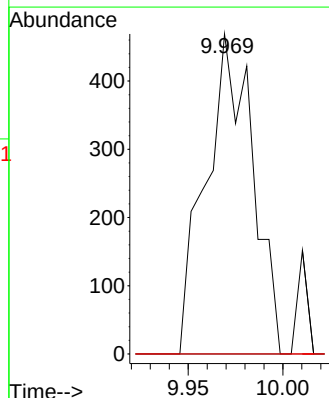
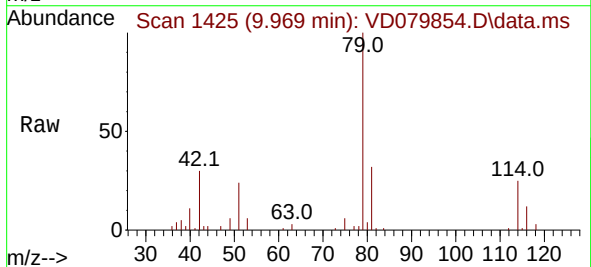
Tgt Ion: 43 Resp: 806

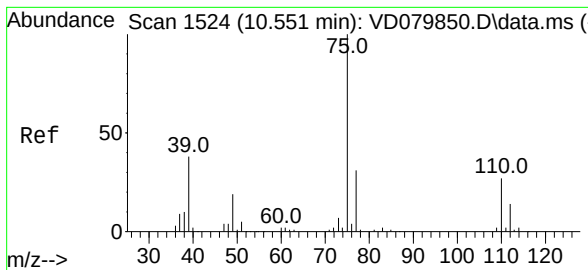
Ion Ratio Lower Upper

43 100

58 6.9 31.1 46.7#

100 0.0 11.8 17.6#

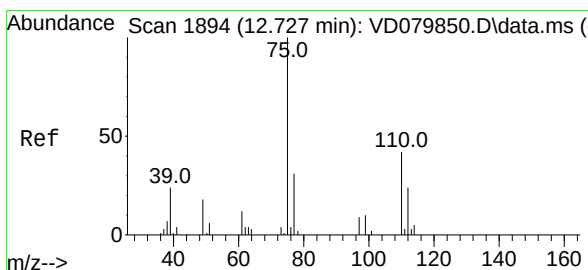
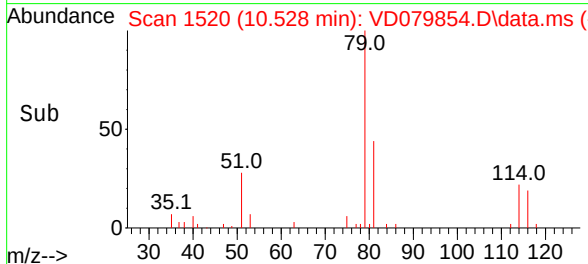
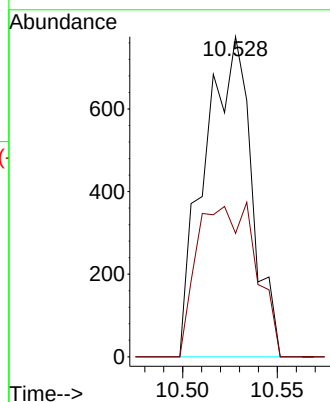
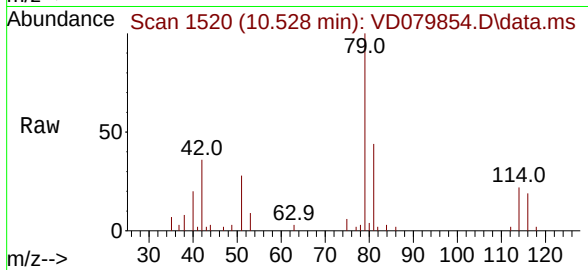




#44  
trans-1,3-Dichloropropene  
Concen: 0.340 ug/L  
RT: 10.528 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VD079854.D  
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Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 1342  
Ion Ratio Lower Upper  
75 100  
77 38.6 21.8 40.4



#61  
1,2,3-Trichloropropane  
Concen: 5.386 ug/L  
RT: 13.510 min Scan# 2027  
Delta R.T. 0.783 min  
Lab File: VD079854.D  
Acq: 17 Sep 2024 16:35

Tgt Ion: 75 Resp: 5467  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.1 37.7  
110 2.3 30.1 45.1#

