

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092524\  
 Data File : VD079898.D  
 Acq On : 25 Sep 2024 18:22  
 Operator : RP/MD  
 Sample : P4162-01  
 Misc : 4.90G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 26 01:58:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Sep 26 01:54:46 2024  
 Response via : Initial Calibration

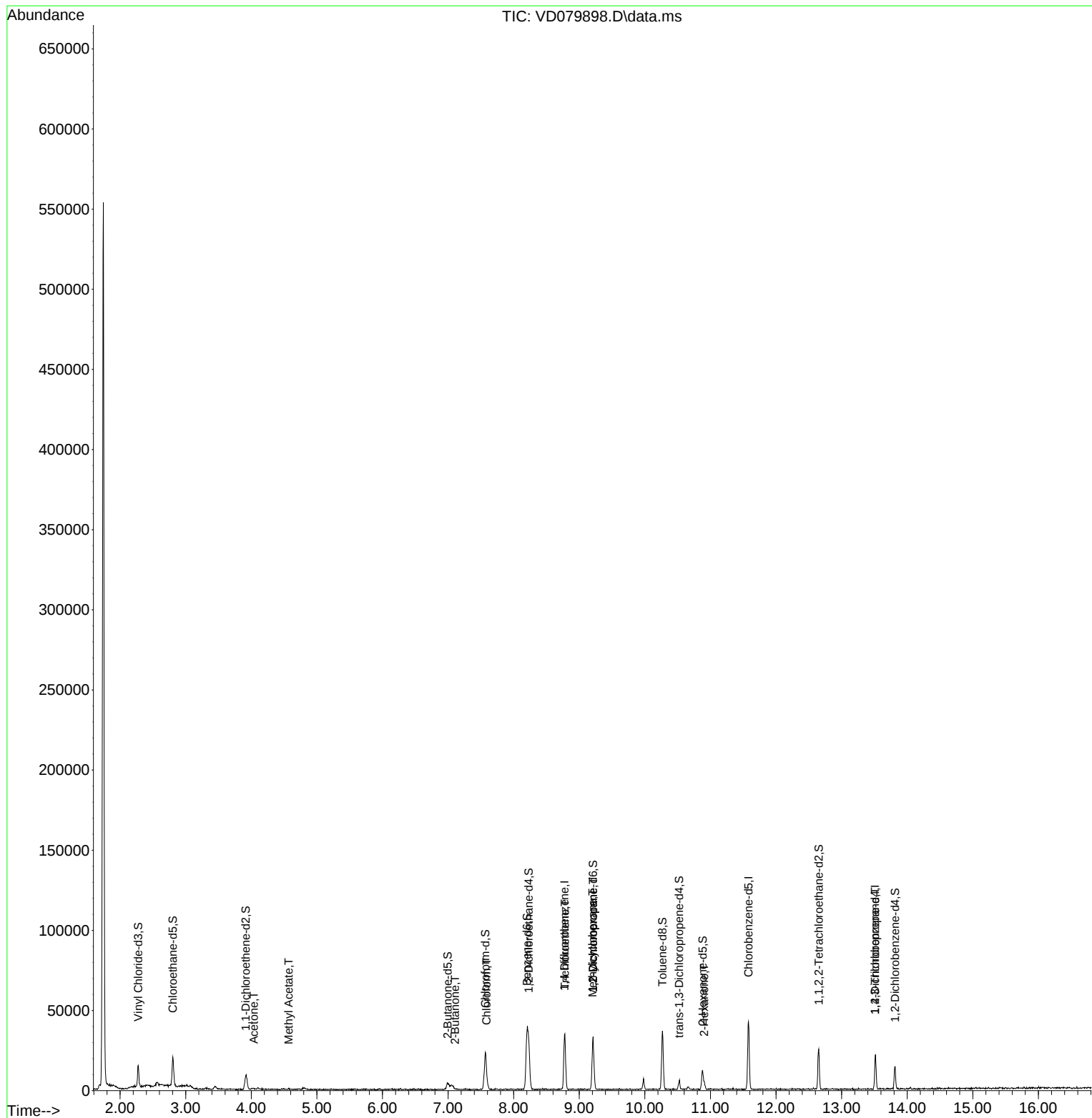
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 29851    | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 24691    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.510 | 152   | 5371     | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 11986    | 9.234    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 36.920%   |
| 7) Chloroethane-d5            | 2.805  | 69    | 18006    | 17.521   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 70.080%   |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 1247     | 5.291    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 21.160%#  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 6547     | 54.286   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.580%  |
| 24) Chloroform-d              | 7.569  | 84    | 22879    | 23.316   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.280%   |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 18907    | 36.848   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 147.400%# |
| 32) Benzene-d6                | 8.204  | 84    | 36573    | 20.981   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 83.920%   |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 15840    | 29.669   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 118.680%  |
| 41) Toluene-d8                | 10.269 | 98    | 24882    | 16.221   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 64.880%   |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 3295     | 14.355   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 57.440%   |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 3794     | 43.595   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.180%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 12973    | 33.068   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 132.280%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 3719     | 18.361   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 73.440%#  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.040  | 43    | 1317     | 8.957    | ug/L   | 56        |
| 15) Methyl Acetate            | 4.569  | 43    | 273      | 1.166    | ug/L # | 64        |
| 22) 2-Butanone                | 7.104  | 43    | 208      | 1.206    | ug/L # | 49        |
| 25) Chloroform                | 7.587  | 83    | 780      | 0.781    | ug/L   | 95        |
| 34) Trichloroethene           | 8.781  | 95    | 803      | 1.890    | ug/L # | 8         |
| 35) Methylcyclohexane         | 9.204  | 83    | 2783     | 4.059    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 1488     | 2.968    | ug/L # | 100       |
| 48) 2-Hexanone                | 10.904 | 43    | 2004     | 9.387    | ug/L # | 37        |
| 61) 1,2,3-Trichloropropane    | 13.510 | 75    | 505      | 3.825    | ug/L # | 40        |
| -----                         |        |       |          |          |        |           |

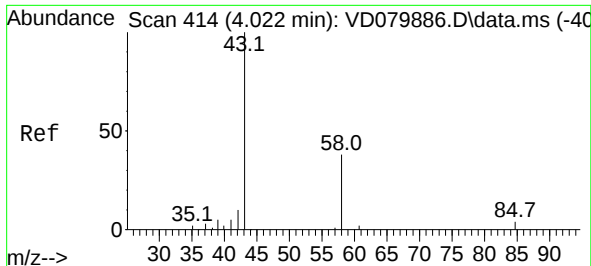
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Thu Sep 26 01:54:46 2024  
Response via : Initial Calibration

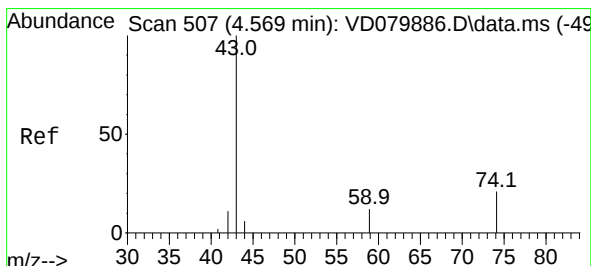
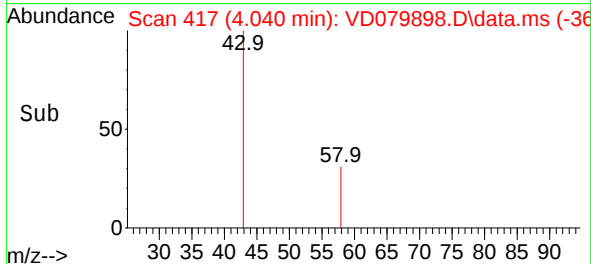
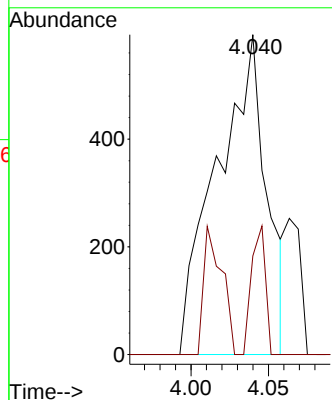
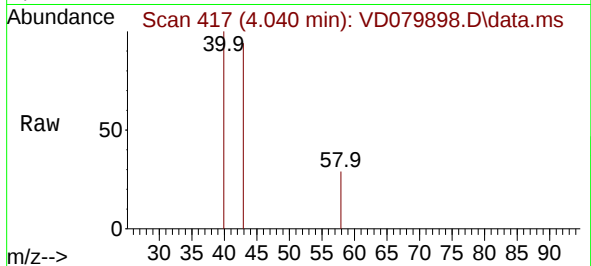




#13  
Acetone  
Concen: 8.957 ug/L  
RT: 4.040 min Scan# 417  
Delta R.T. 0.018 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

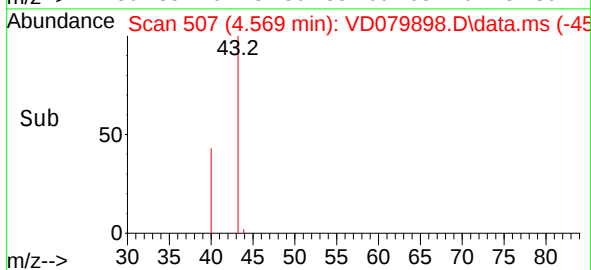
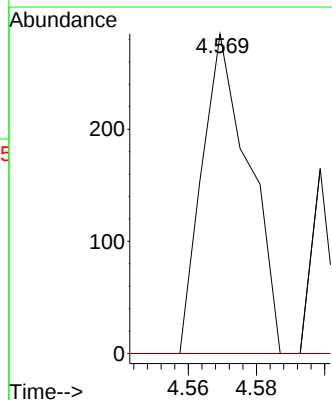
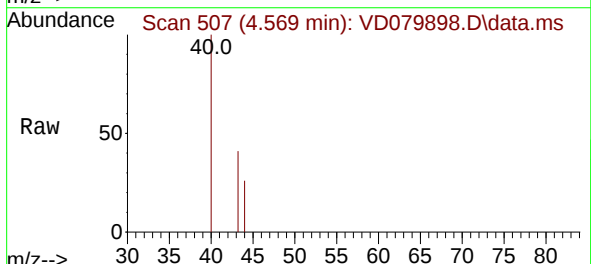
Instrument :  
MSVOA\_D  
ClientSampleId :

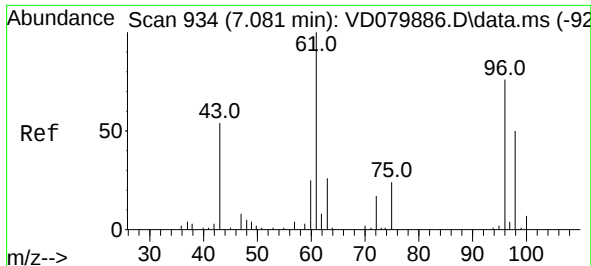
Tgt Ion: 43 Resp: 1317  
Ion Ratio Lower Upper  
43 100  
58 11.3 0.0 75.8



#15  
Methyl Acetate  
Concen: 1.166 ug/L  
RT: 4.569 min Scan# 507  
Delta R.T. 0.000 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

Tgt Ion: 43 Resp: 273  
Ion Ratio Lower Upper  
43 100  
74 0.0 11.9 17.9#





#22

2-Butanone

Concen: 1.206 ug/L

RT: 7.104 min Scan# 91

Delta R.T. 0.024 min

Lab File: VD079898.D

Acq: 25 Sep 2024 18:22

Instrument :

MSVOA\_D

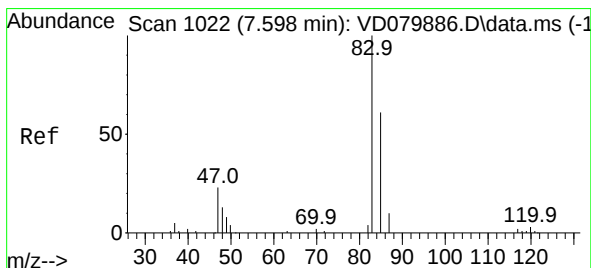
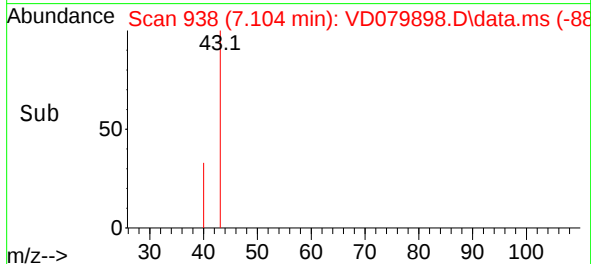
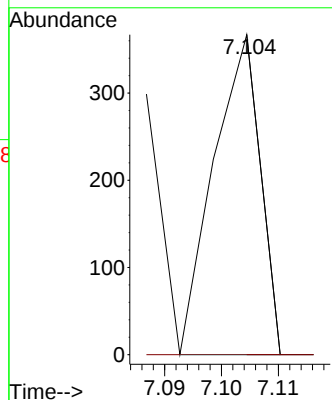
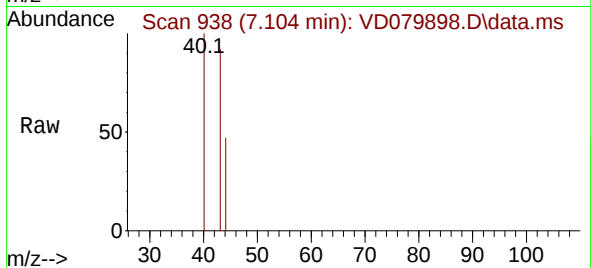
ClientSampleId :

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

72 0.0 13.1 39.3#



#25

Chloroform

Concen: 0.781 ug/L

RT: 7.587 min Scan# 1020

Delta R.T. -0.012 min

Lab File: VD079898.D

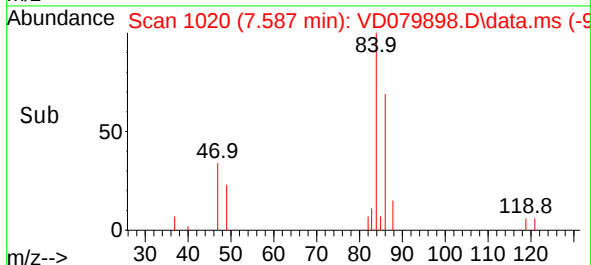
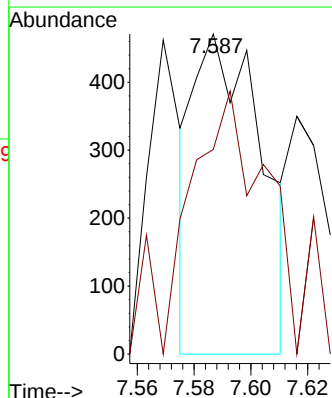
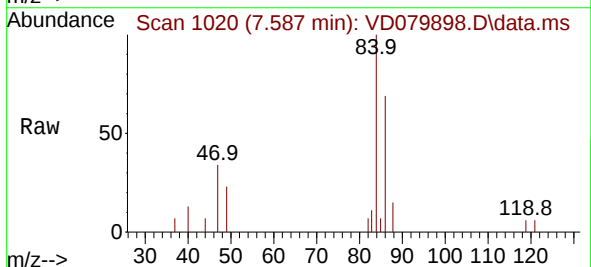
Acq: 25 Sep 2024 18:22

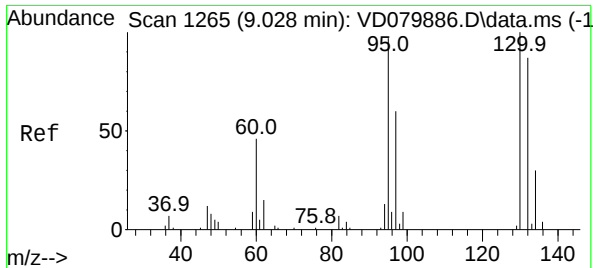
Tgt Ion: 83 Resp: 780

Ion Ratio Lower Upper

83 100

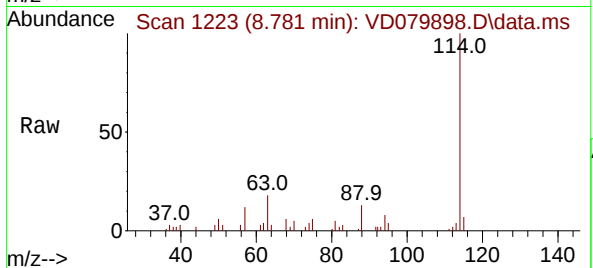
85 63.9 47.3 87.9



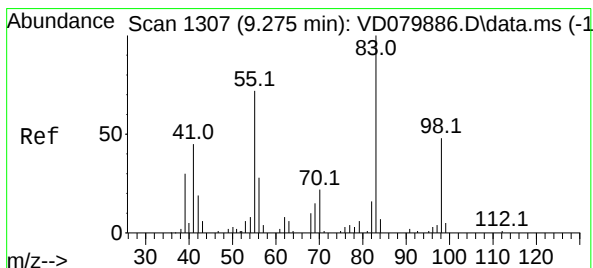
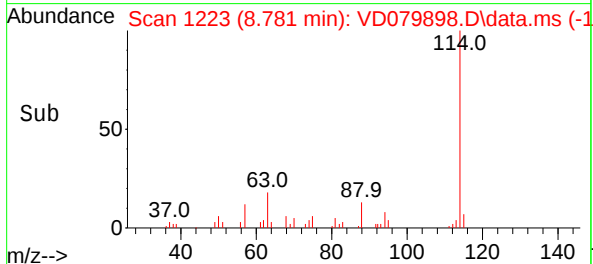
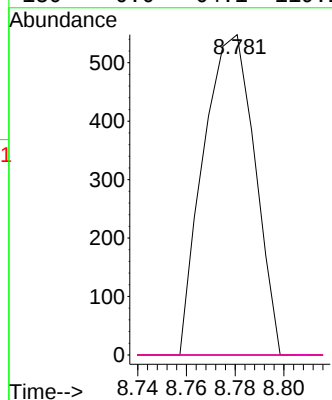


#34  
Trichloroethene  
Concen: 1.890 ug/L  
RT: 8.781 min Scan# 1295  
Delta R.T. -0.247 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

Instrument :  
MSVOA\_D  
ClientSampleId :

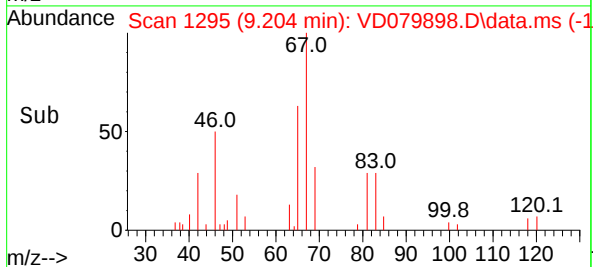
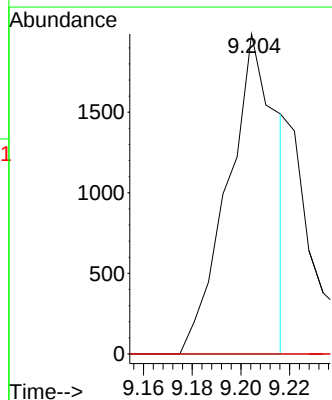
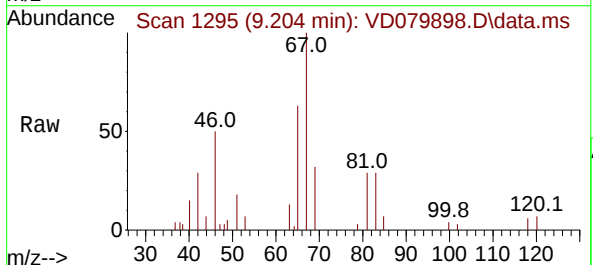


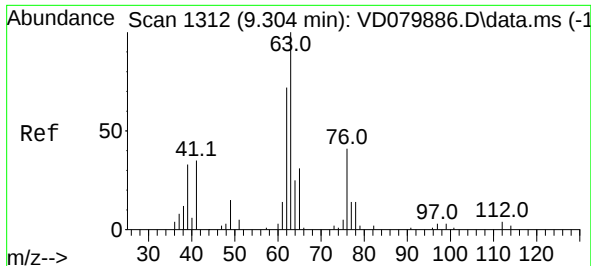
|         |     |             |             |
|---------|-----|-------------|-------------|
| Tgt Ion | 95  | Resp: Lower | 803 Upper   |
|         | 95  | 100         |             |
|         | 97  | 0.0         | 43.5 80.7#  |
|         | 132 | 0.0         | 64.5 119.7# |
|         | 130 | 0.0         | 64.1 119.1# |



#35  
Methylcyclohexane  
Concen: 4.059 ug/L  
RT: 9.204 min Scan# 1295  
Delta R.T. -0.070 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 2783  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 58.9 88.3#  |
| 98 0.0      | 38.6 58.0#  |

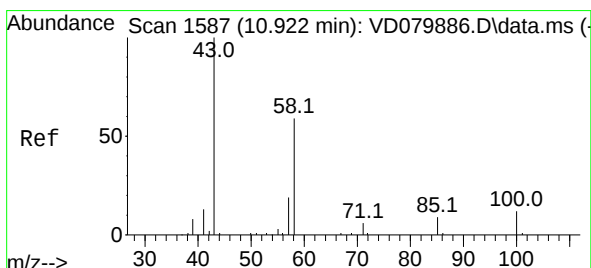
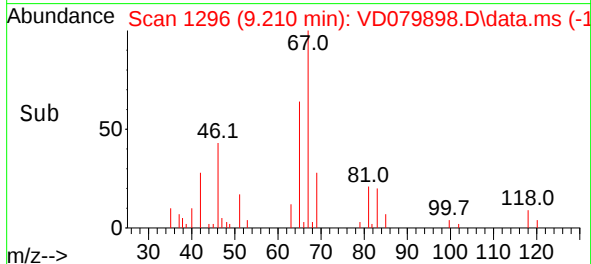
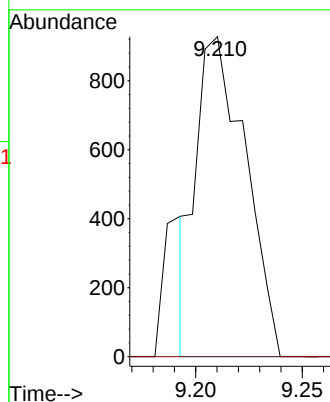
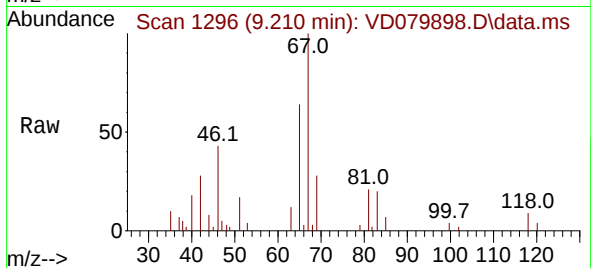




#37  
1,2-Dichloropropane  
Concen: 2.968 ug/L  
RT: 9.210 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

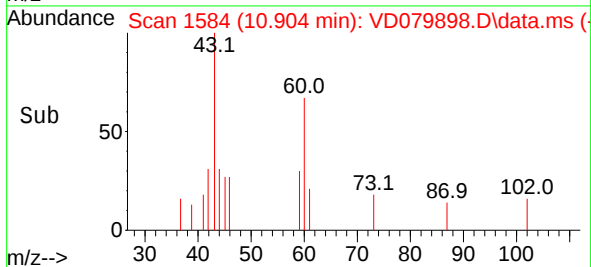
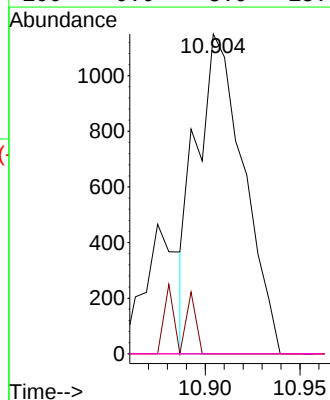
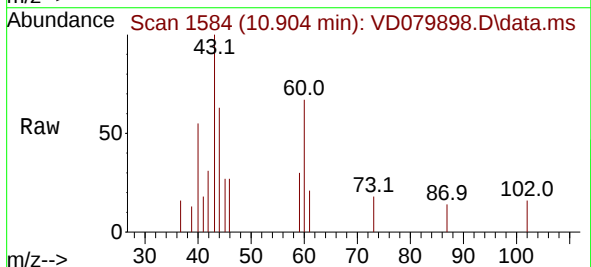
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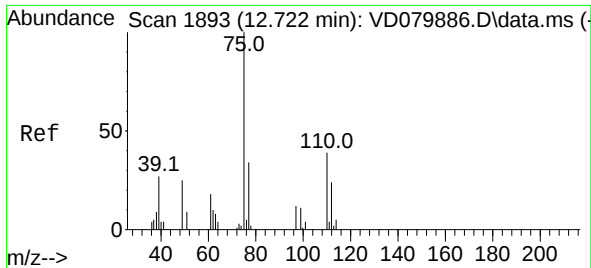
Tgt Ion: 63 Resp: 1488  
Ion Ratio Lower Upper  
63 100  
112 0.0 0.0 0.0



#48  
2-Hexanone  
Concen: 9.387 ug/L  
RT: 10.904 min Scan# 1584  
Delta R.T. -0.017 min  
Lab File: VD079898.D  
Acq: 25 Sep 2024 18:22

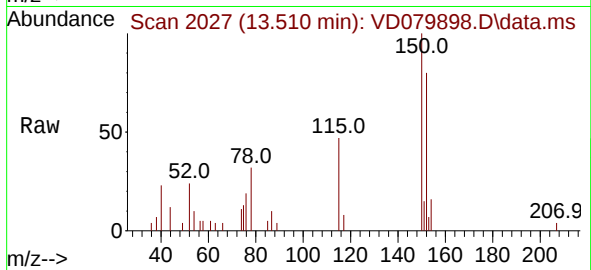
Tgt Ion: 43 Resp: 2004  
Ion Ratio Lower Upper  
43 100  
58 0.0 44.7 67.1#  
57 0.0 13.6 20.4#  
100 0.0 8.9 13.3#





#61  
 1,2,3-Trichloropropane  
 Concen: 3.825 ug/L  
 RT: 13.510 min Scan# 20  
 Delta R.T. 0.788 min  
 Lab File: VD079898.D  
 Acq: 25 Sep 2024 18:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 505  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.1 37.7#  
 110 0.0 30.1 45.1#

