

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091824\  
 Data File : VD079859.D  
 Acq On : 18 Sep 2024 12:43  
 Operator : RP/MD  
 Sample : P4083-01  
 Misc : 5.66G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 19 01:53:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Sep 19 01:50:07 2024  
 Response via : Initial Calibration

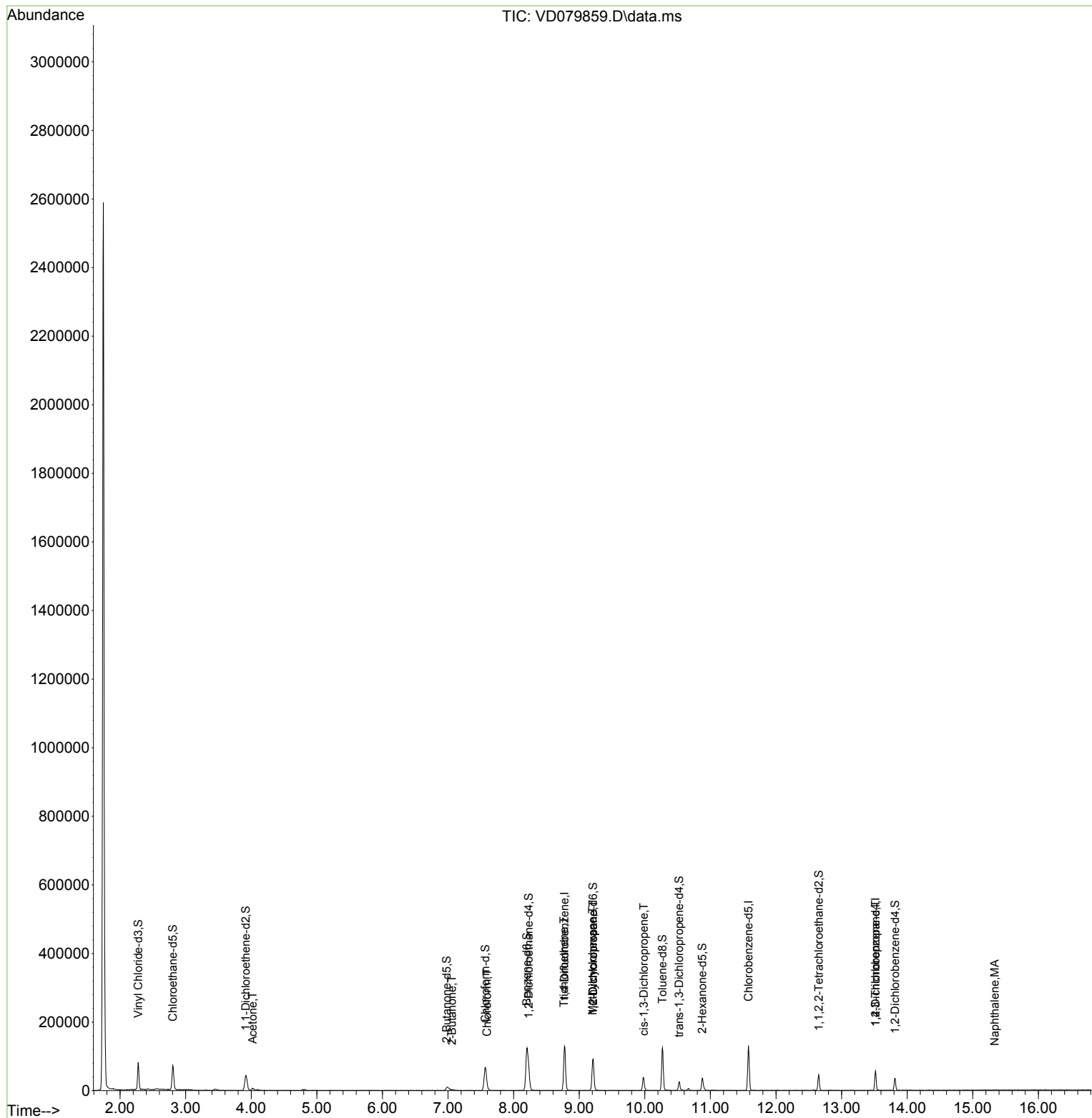
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 111282   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 70698    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 13874    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 72258    | 14.933   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 59.720%   |
| 7) Chloroethane-d5            | 2.805  | 69    | 71455    | 18.651   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.600%   |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 12568    | 14.305   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 57.240%   |
| 21) 2-Butanone-d5             | 6.981  | 46    | 16809    | 37.387   | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 74.780%   |
| 24) Chloroform-d              | 7.569  | 84    | 70704    | 19.328   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 77.320%   |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 40843    | 21.352   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 85.400%   |
| 32) Benzene-d6                | 8.199  | 84    | 128330   | 25.711   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.840%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 46611    | 30.491   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 121.960%# |
| 41) Toluene-d8                | 10.269 | 98    | 86730    | 19.747   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 79.000%   |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 14559    | 22.152   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 88.600%   |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 11657    | 46.779   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.560%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 22189    | 19.753   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 79.000%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 9632     | 18.409   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 73.640%#  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 4.022  | 43    | 6996     | 12.763   | ug/L   | 79        |
| 22) 2-Butanone                | 7.058  | 43    | 890      | 1.384    | ug/L   | 77        |
| 25) Chloroform                | 7.593  | 83    | 3517     | 0.944    | ug/L   | 77        |
| 34) Trichloroethene           | 8.769  | 95    | 1961     | 1.612    | ug/L # | 8         |
| 35) Methylcyclohexane         | 9.204  | 83    | 11075    | 5.642    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 4958     | 3.453    | ug/L # | 100       |
| 39) cis-1,3-Dichloropropene   | 9.987  | 75    | 1234     | 0.612    | ug/L   | 97        |
| 61) 1,2,3-Trichloropropane    | 13.516 | 75    | 2393     | 7.017    | ug/L # | 64        |
| 71) Naphthalene               | 15.334 | 128   | 478      | 0.423    | ug/L # | 68        |
| -----                         |        |       |          |          |        |           |

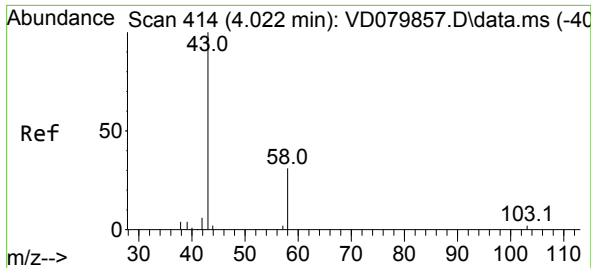
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Thu Sep 19 01:50:07 2024  
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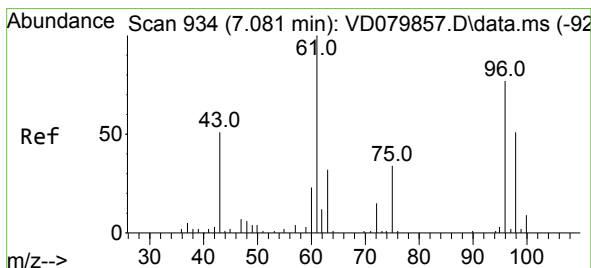
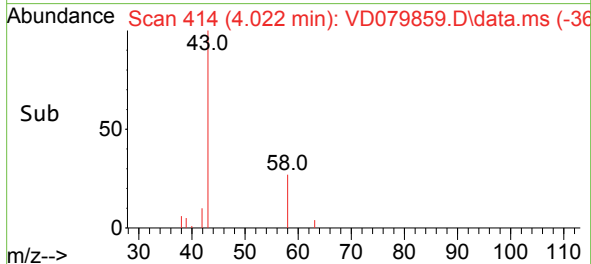
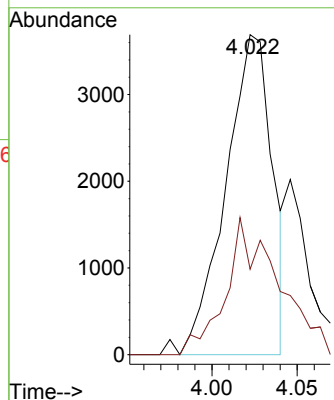
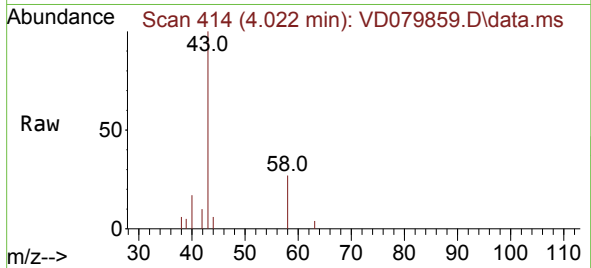




#13  
Acetone  
Concen: 12.763 ug/L  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

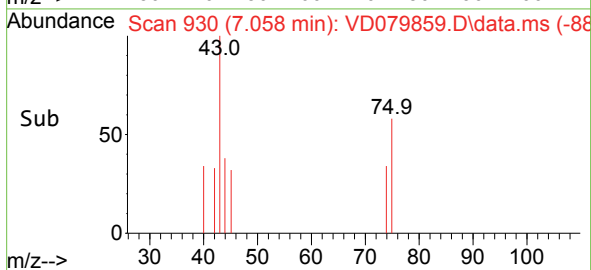
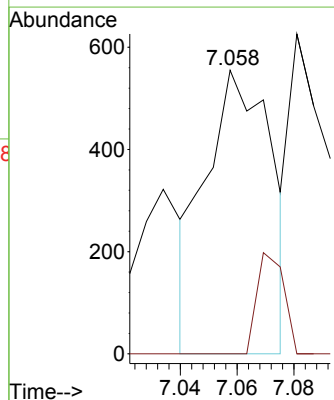
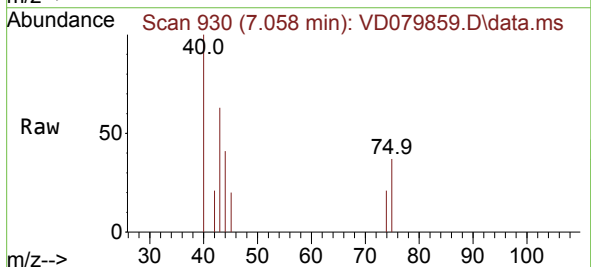
Instrument :  
MSVOA\_D  
ClientSampleId :

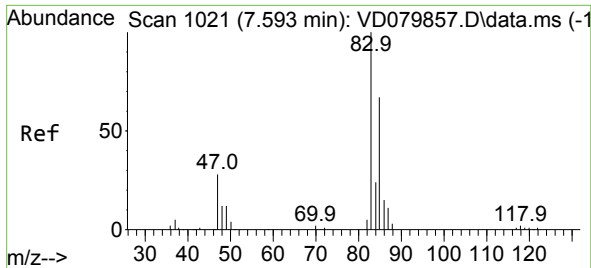
Tgt Ion: 43 Resp: 6996  
Ion Ratio Lower Upper  
43 100  
58 25.1 0.0 75.8



#22  
2-Butanone  
Concen: 1.384 ug/L  
RT: 7.058 min Scan# 930  
Delta R.T. -0.023 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

Tgt Ion: 43 Resp: 890  
Ion Ratio Lower Upper  
43 100  
72 14.6 13.1 39.3

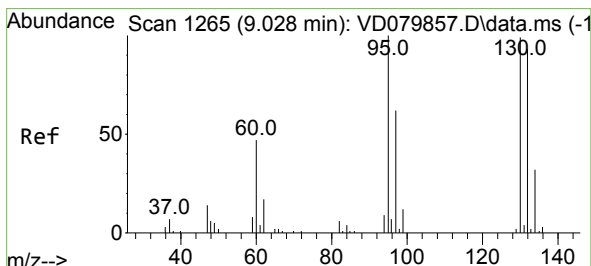
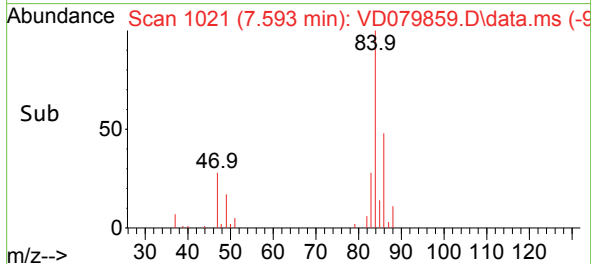
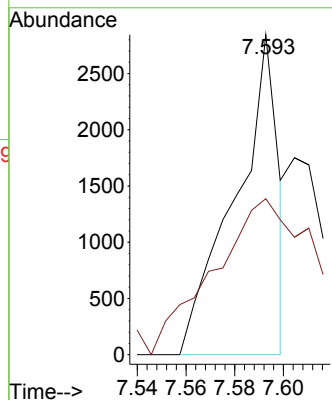
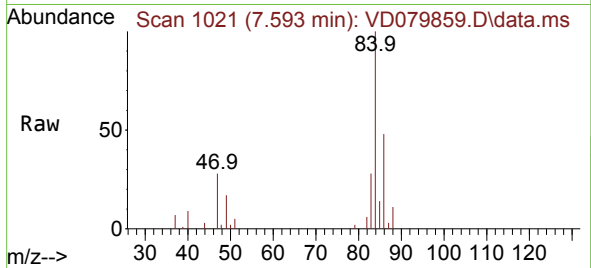




#25  
Chloroform  
Concen: 0.944 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

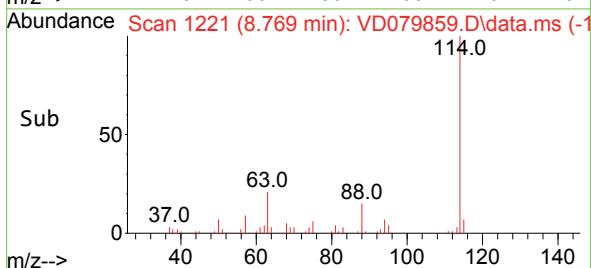
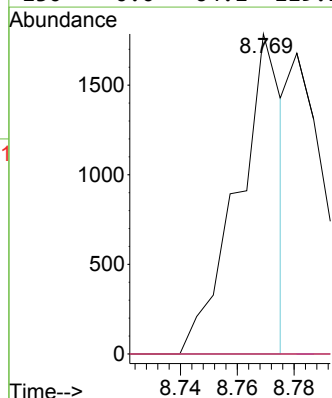
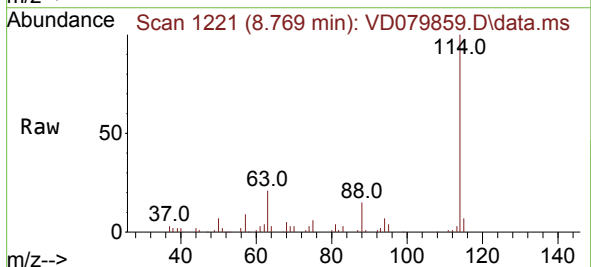
Instrument :  
MSVOA\_D  
ClientSampleId :

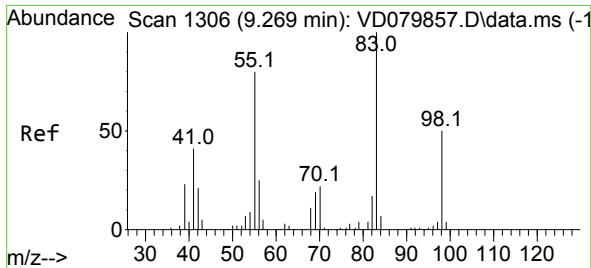
Tgt Ion: 83 Resp: 3517  
Ion Ratio Lower Upper  
83 100  
85 48.8 47.3 87.9



#34  
Trichloroethene  
Concen: 1.612 ug/L  
RT: 8.769 min Scan# 1221  
Delta R.T. -0.259 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

Tgt Ion: 95 Resp: 1961  
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#





#35

Methylcyclohexane

Concen: 5.642 ug/L

RT: 9.204 min Scan# 11075

Delta R.T. -0.065 min

Lab File: VD079859.D

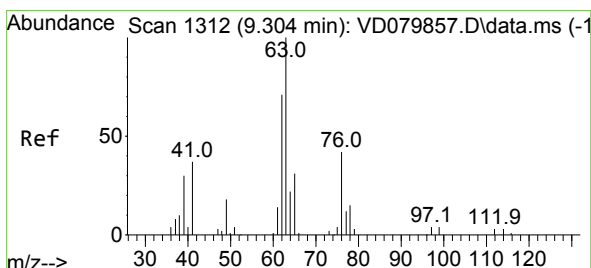
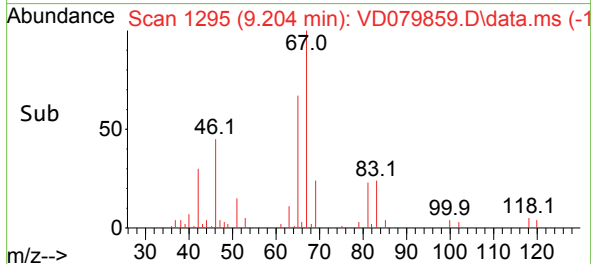
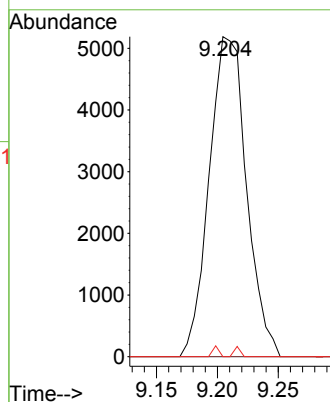
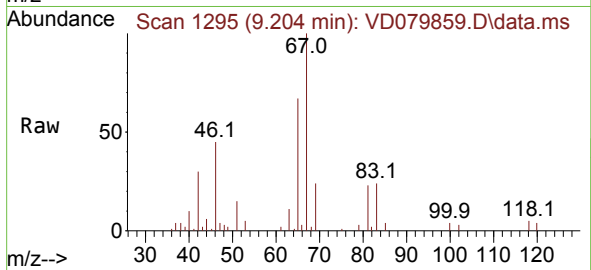
Acq: 18 Sep 2024 12:43

Instrument :

MSVOA\_D

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 11075 |
| 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: 3.453 ug/L

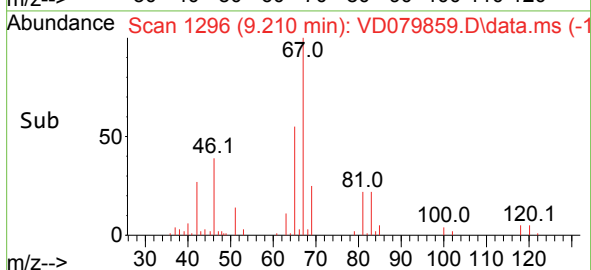
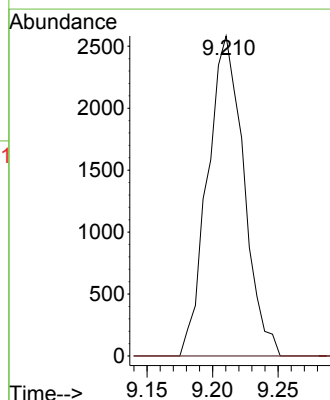
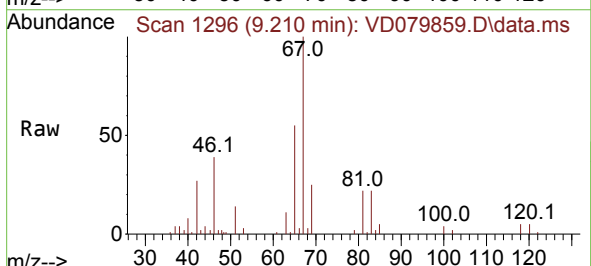
RT: 9.210 min Scan# 1296

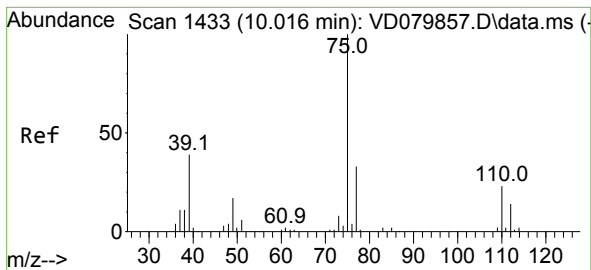
Delta R.T. -0.094 min

Lab File: VD079859.D

Acq: 18 Sep 2024 12:43

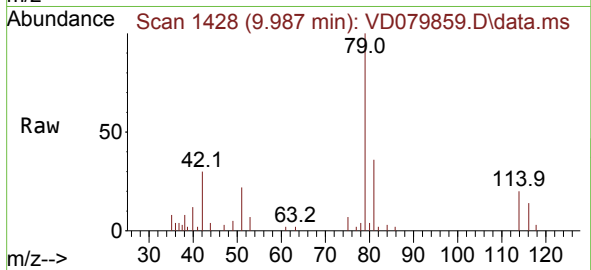
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 4958  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 0.0 0.0     |



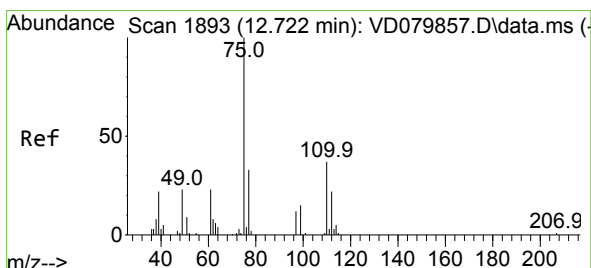
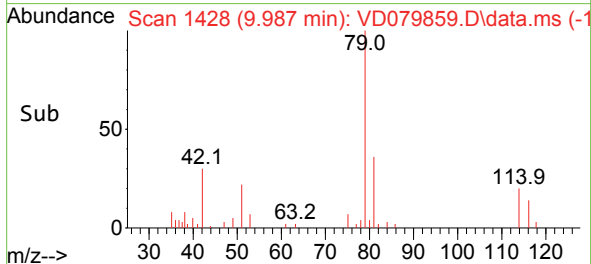
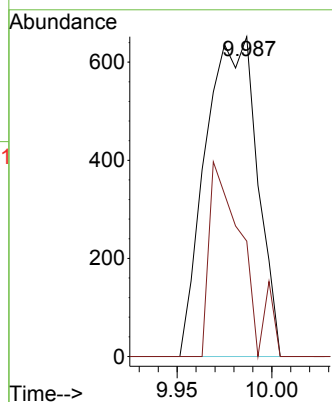


#39  
cis-1,3-Dichloropropene  
Concen: 0.612 ug/L  
RT: 9.987 min Scan# 1433  
Delta R.T. -0.029 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :

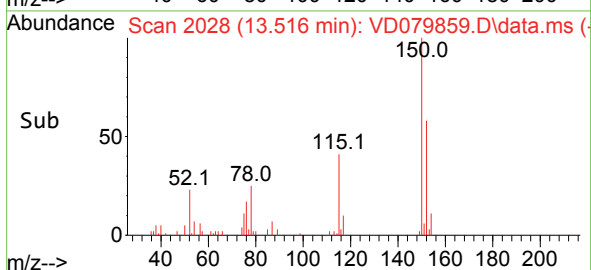
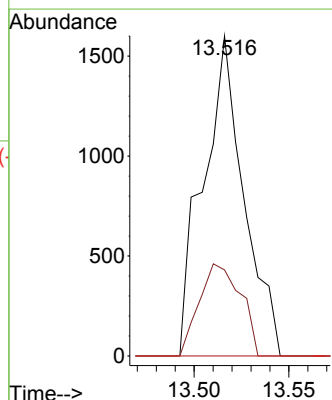
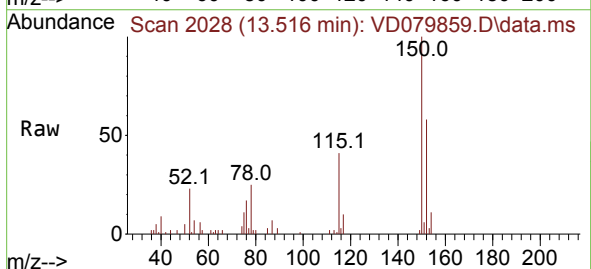


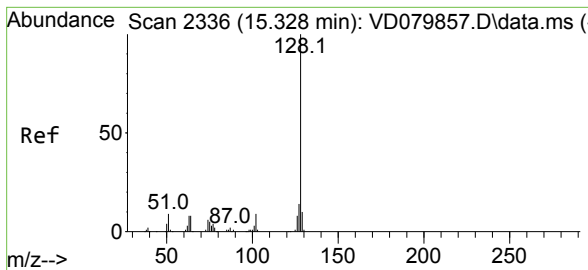
Tgt Ion: 75 Resp: 1234  
Ion Ratio Lower Upper  
75 100  
77 36.0 24.1 44.8



#61  
1,2,3-Trichloropropane  
Concen: 7.017 ug/L  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.794 min  
Lab File: VD079859.D  
Acq: 18 Sep 2024 12:43

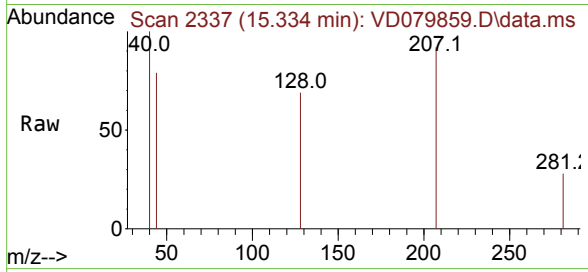
Tgt Ion: 75 Resp: 2393  
Ion Ratio Lower Upper  
75 100  
77 29.3 25.1 37.7  
110 0.0 30.1 45.1#





#71  
Naphthalene  
Concen: 0.423 ug/L  
RT: 15.334 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD079859.D  
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MSVOA\_D  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 478   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 11.2  | 16.8# |
| 129      | 0.0   | 8.6   | 13.0# |

