

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042923\  
 Data File : VD075911.D  
 Acq On : 29 Apr 2023 12:26  
 Operator : KP/SY  
 Sample : VD0429SBL01  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VBLK121

Quant Time: May 01 00:15:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 01 00:14:49 2023  
 Response via : Initial Calibration

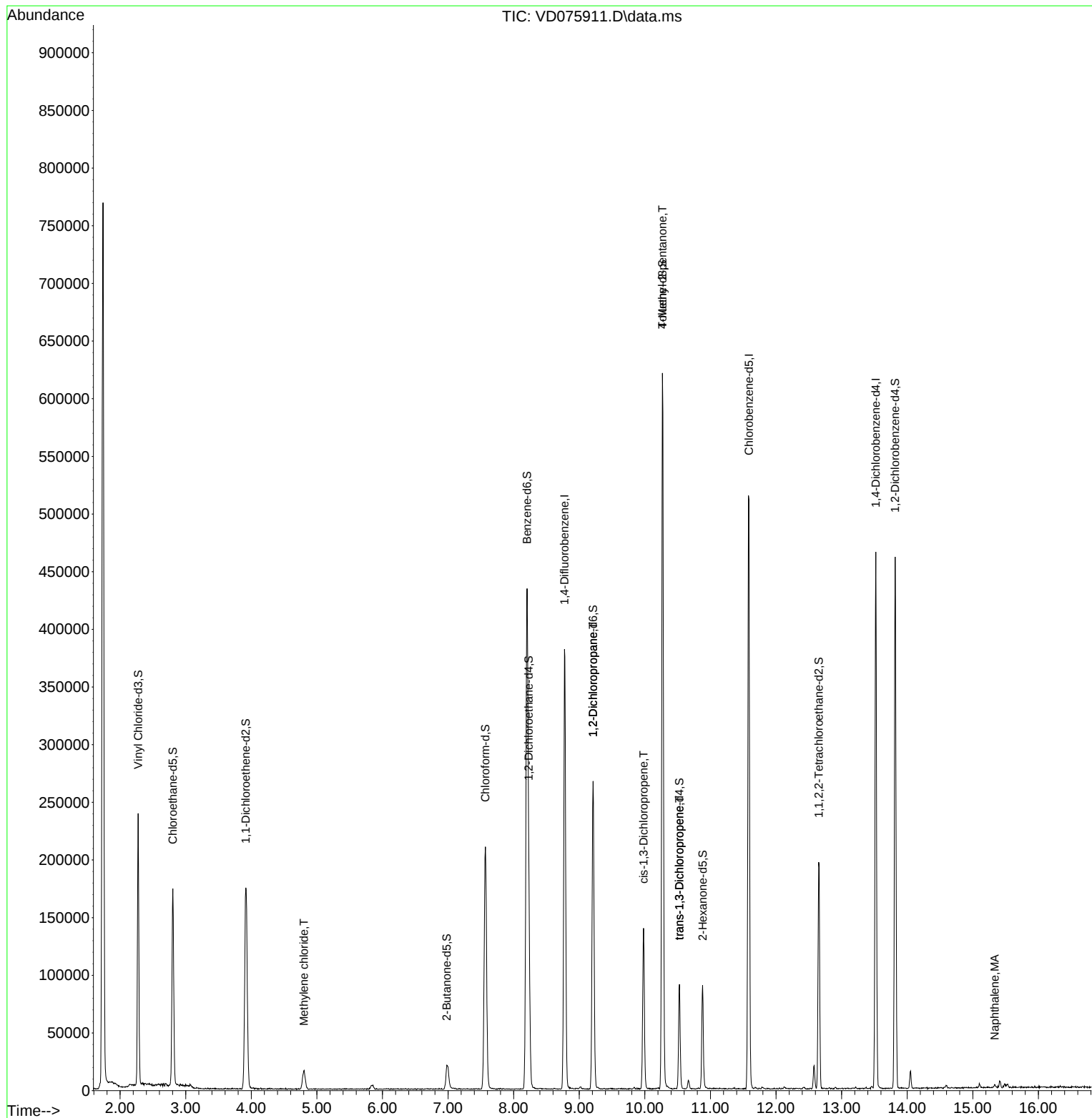
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 372052   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.586 | 117   | 337995   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 134623   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 224590   | 27.517   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 110.080% |
| 7) Chloroethane-d5            | 2.804  | 69    | 185750   | 26.340   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 105.360% |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 50251    | 26.705   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 106.840% |
| 21) 2-Butanone-d5             | 6.981  | 46    | 36606    | 51.663   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.320% |
| 24) Chloroform-d              | 7.569  | 84    | 232924   | 25.035   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.160% |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 105784   | 26.625   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.480% |
| 32) Benzene-d6                | 8.204  | 84    | 501121   | 25.438   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 101.760% |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 144970   | 26.587   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.360% |
| 41) Toluene-d8                | 10.269 | 98    | 462562   | 25.081   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.320% |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 52912    | 23.477   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.920%  |
| 47) 2-Hexanone-d5             | 10.880 | 63    | 31722    | 48.317   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 107039   | 25.653   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.600% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 136059   | 28.573   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 114.280% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 4.804  | 84    | 14140    | 1.873    | ug/L   | 89       |
| 37) 1,2-Dichloropropane       | 9.210  | 63    | 14145    | 3.012    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 9.981  | 75    | 3607     | 0.483    | ug/L # | 77       |
| 40) 4-Methyl-2-pentanone      | 10.269 | 43    | 1186     | 0.693    | ug/L # | 1        |
| 44) trans-1,3-Dichloropropene | 10.528 | 75    | 2665     | 0.444    | ug/L   | 90       |
| 71) Naphthalene               | 15.333 | 128   | 3396     | 0.391    | ug/L # | 90       |
| -----                         |        |       |          |          |        |          |

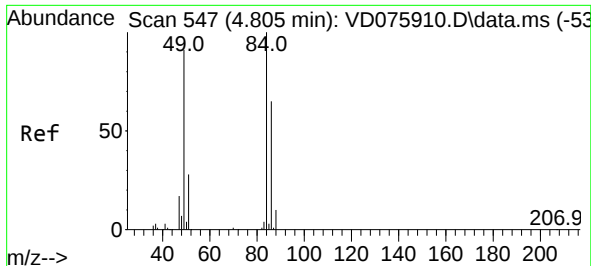
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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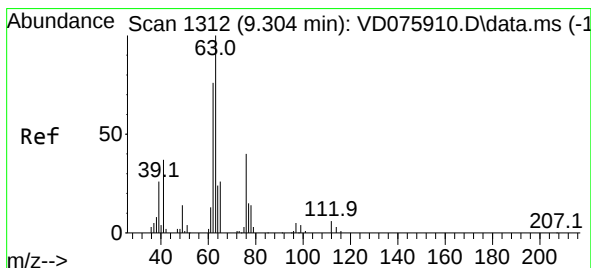
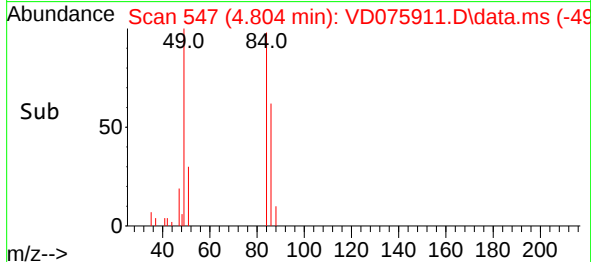
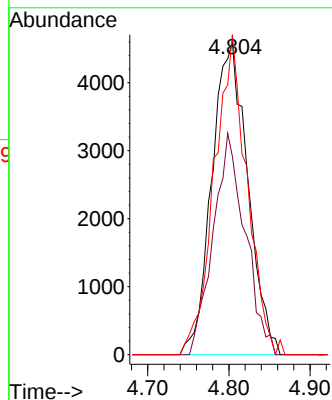
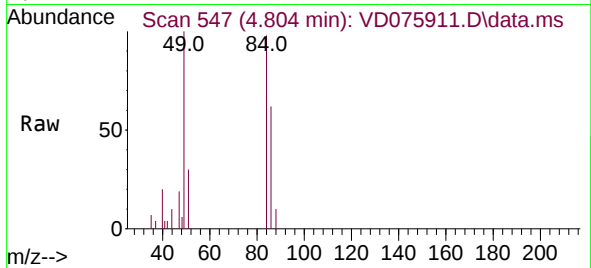




#16  
Methylene chloride  
Concen: 1.873 ug/L  
RT: 4.804 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD075911.D  
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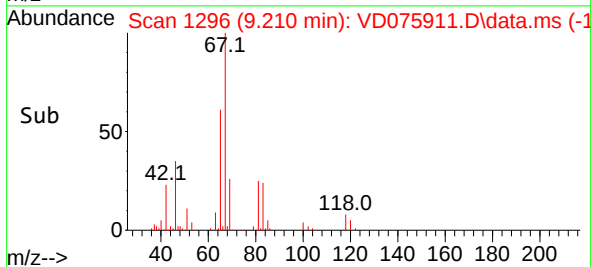
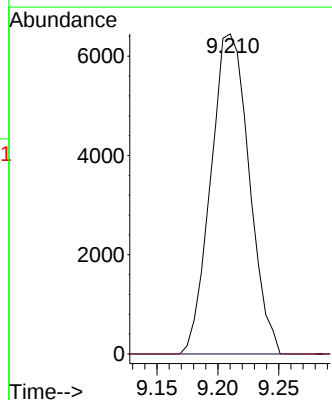
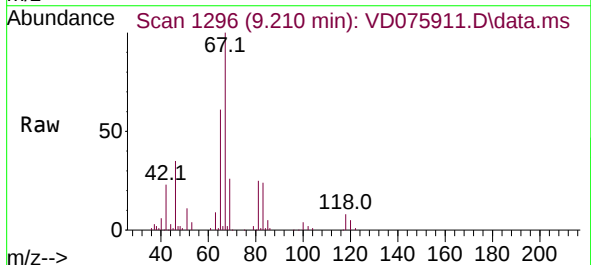
Instrument :  
MSVOA\_D  
ClientSampleId :  
VBLK121

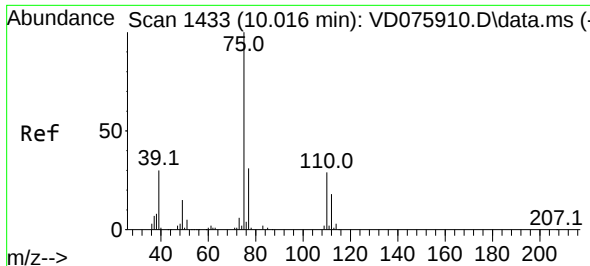
Tgt Ion: 84 Resp: 14140  
Ion Ratio Lower Upper  
84 100  
86 63.4 45.8 85.2  
49 102.3 60.8 112.8



#37  
1,2-Dichloropropane  
Concen: 3.012 ug/L  
RT: 9.210 min Scan# 1296  
Delta R.T. -0.095 min  
Lab File: VD075911.D  
Acq: 29 Apr 2023 12:26

Tgt Ion: 63 Resp: 14145  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.483 ug/L

RT: 9.981 min Scan# 1433

Delta R.T. -0.036 min

Lab File: VD075911.D

Acq: 29 Apr 2023 12:26

Instrument :

MSVOA\_D

ClientSampleId :

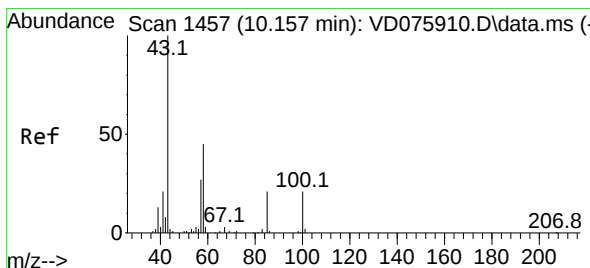
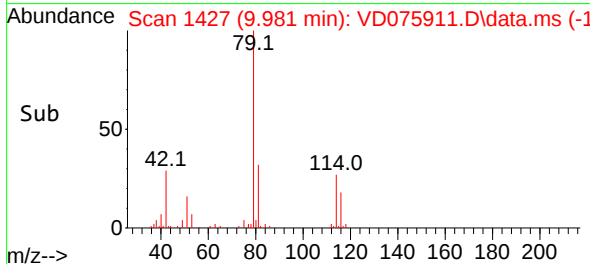
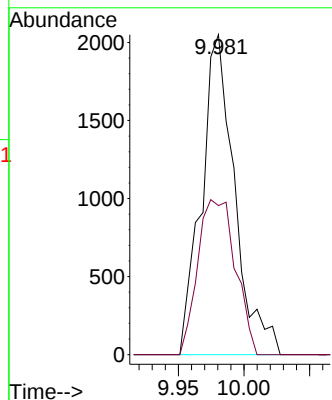
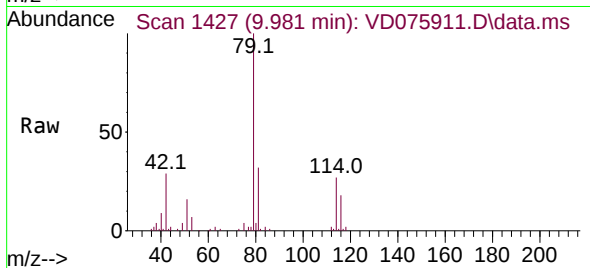
VBLK121

Tgt Ion: 75 Resp: 3607

Ion Ratio Lower Upper

75 100

77 46.6 23.4 43.6#



#40

4-Methyl-2-pentanone

Concen: 0.693 ug/L

RT: 10.269 min Scan# 1476

Delta R.T. 0.111 min

Lab File: VD075911.D

Acq: 29 Apr 2023 12:26

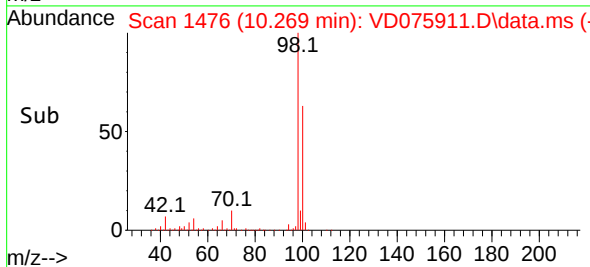
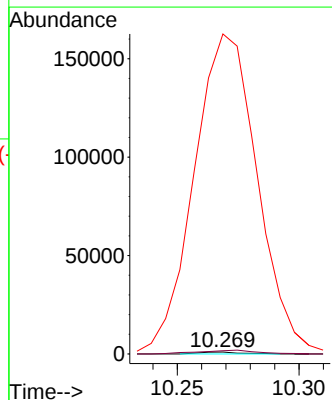
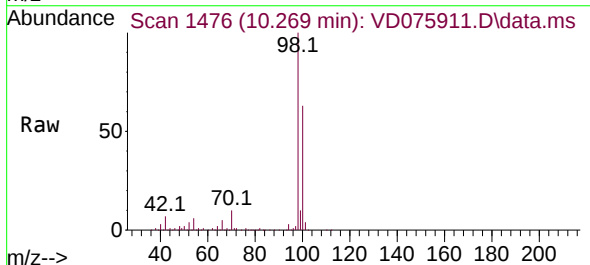
Tgt Ion: 43 Resp: 1186

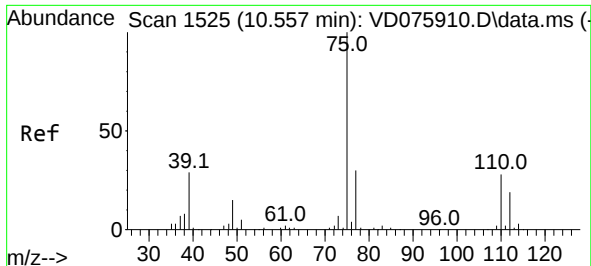
Ion Ratio Lower Upper

43 100

58 267.4 39.1 58.7#

100 25159.9 19.4 29.0#

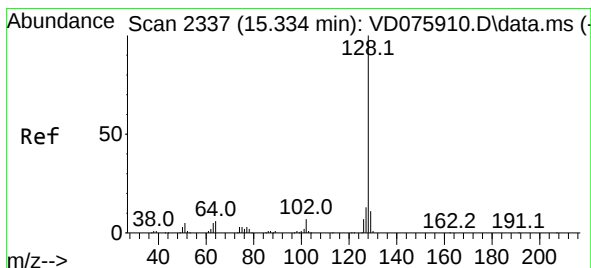
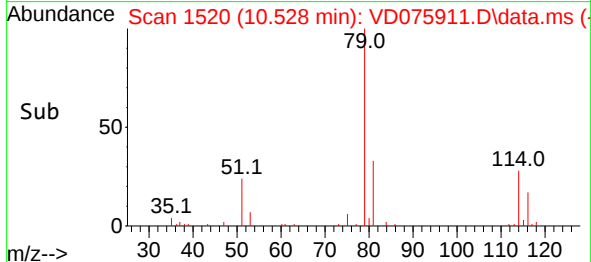
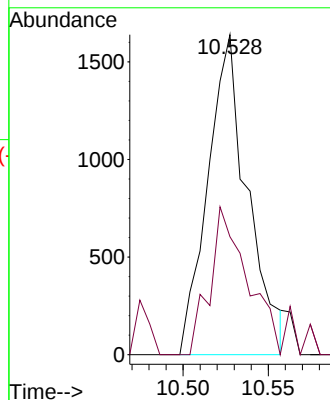
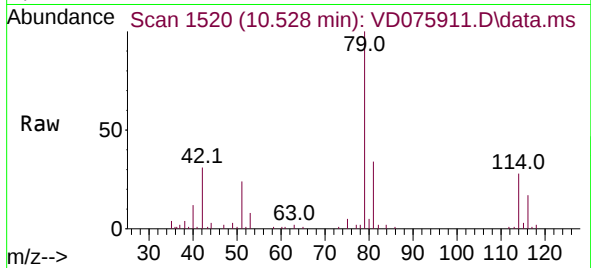




#44  
trans-1,3-Dichloropropene  
Concen: 0.444 ug/L  
RT: 10.528 min Scan# 11  
Delta R.T. -0.030 min  
Lab File: VD075911.D  
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Tgt Ion: 75 Resp: 2665  
Ion Ratio Lower Upper  
75 100  
77 36.9 22.0 41.0



#71  
Naphthalene  
Concen: 0.391 ug/L  
RT: 15.333 min Scan# 2337  
Delta R.T. -0.000 min  
Lab File: VD075911.D  
Acq: 29 Apr 2023 12:26

Tgt Ion:128 Resp: 3396  
Ion Ratio Lower Upper  
128 100  
127 14.2 10.5 15.7  
129 4.6 9.1 13.7#

