

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120922\  
 Data File : VW029573.D  
 Acq On : 10 Dec 2022 12:07  
 Operator : SY/MD  
 Sample : N5928-07 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 67 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZ70

Quant Time: Dec 12 00:05:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 10 07:45:47 2022  
 Response via : Initial Calibration

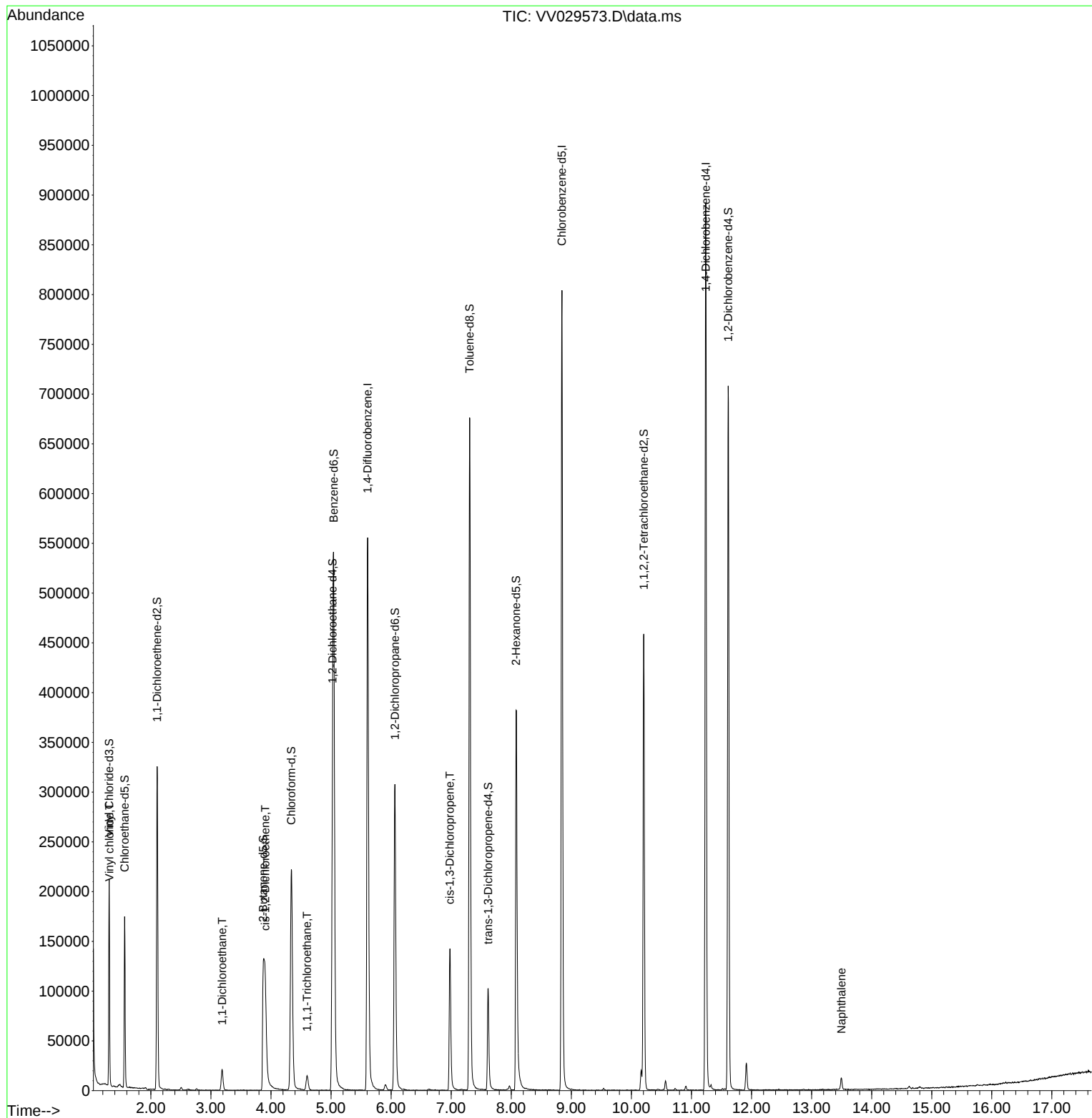
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 509958   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117   | 466491   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152   | 246828   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 127775   | 40.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.840%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 108246   | 45.459   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.920%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 163746   | 33.619   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 67.240%  |
| 21) 2-Butanone-d5             | 3.870   | 46    | 175723   | 92.244   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 92.240%  |
| 24) Chloroform-d              | 4.339   | 84    | 241754   | 41.139   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.280%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 149070   | 44.416   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.840%  |
| 32) Benzene-d6                | 5.043   | 84    | 522187   | 42.364   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.720%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 160352   | 42.589   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.180%  |
| 41) Toluene-d8                | 7.307   | 98    | 467829   | 40.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 80.560%  |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79    | 62900    | 33.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 66.160%  |
| 47) 2-Hexanone-d5             | 8.082   | 63    | 147004   | 91.432   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 91.430%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 226227   | 42.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 84.100%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152   | 191012   | 40.652   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 81.300%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.310   | 62    | 6339     | 1.654    | ug/L # | 65       |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 21931    | 4.076    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.905   | 96    | 39042    | 11.304   | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 4.600   | 97    | 12585    | 2.476    | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.979   | 75    | 3407     | 0.653    | ug/L # | 32       |
| 71) Naphthalene               | 13.496  | 128   | 10910    | 0.959    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

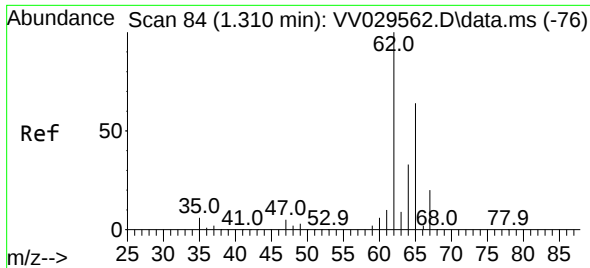
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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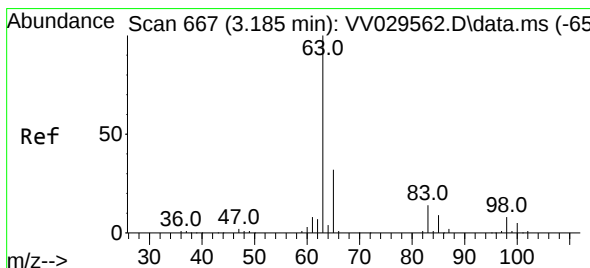
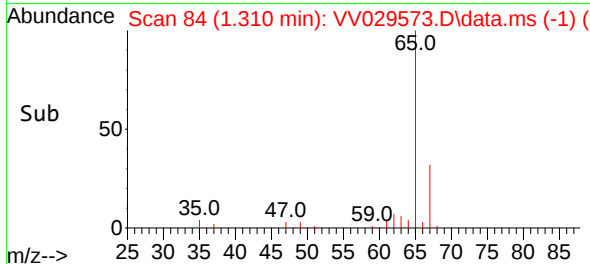
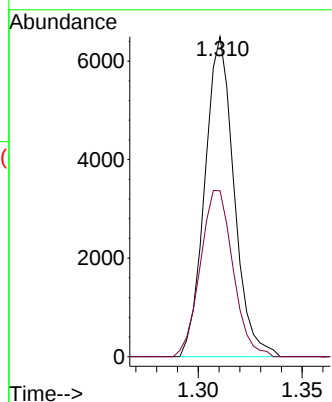
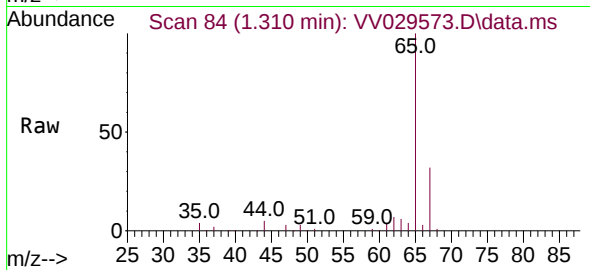




#5  
 Vinyl chloride  
 Concen: 1.654 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV029573.D  
 Acq: 10 Dec 2022 12:07

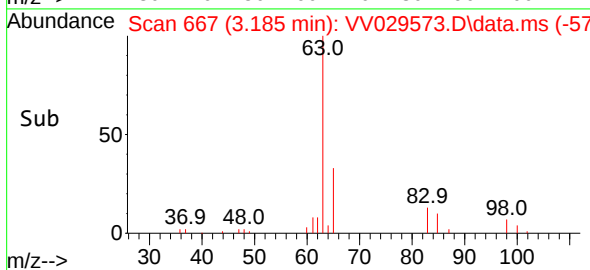
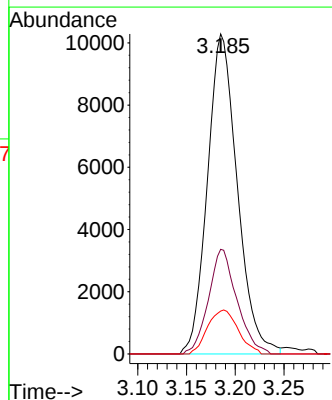
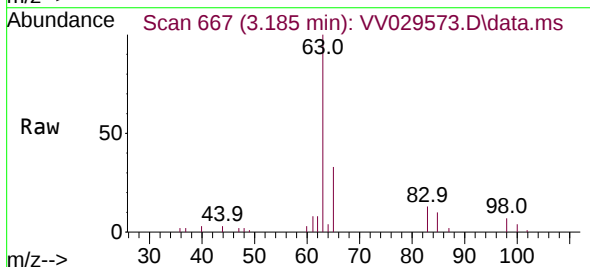
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZ70

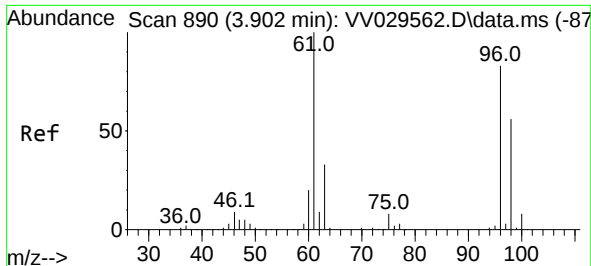
Tgt Ion: 62 Resp: 6339  
 Ion Ratio Lower Upper  
 62 100  
 64 51.8 22.5 41.9#



#19  
 1,1-Dichloroethane  
 Concen: 4.076 ug/L  
 RT: 3.185 min Scan# 667  
 Delta R.T. 0.000 min  
 Lab File: VV029573.D  
 Acq: 10 Dec 2022 12:07

Tgt Ion: 63 Resp: 21931  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 22.5 41.7  
 83 13.4 10.4 19.2

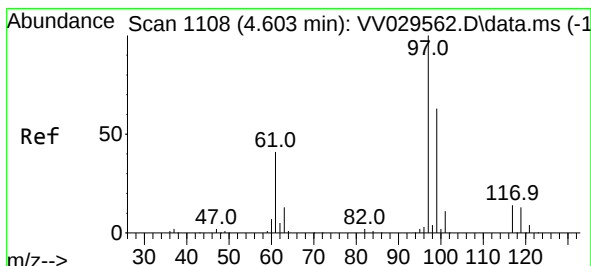
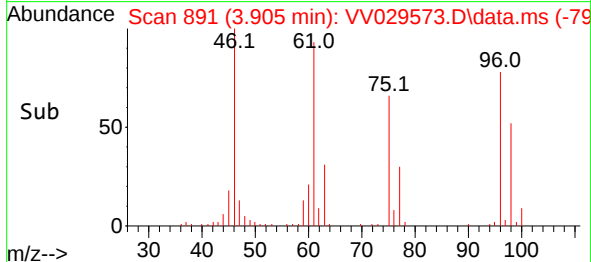
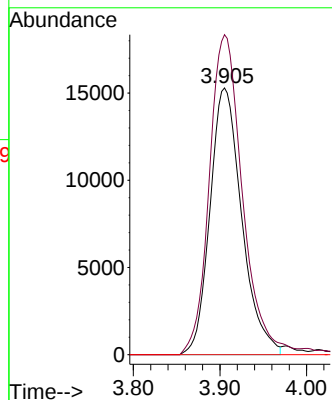
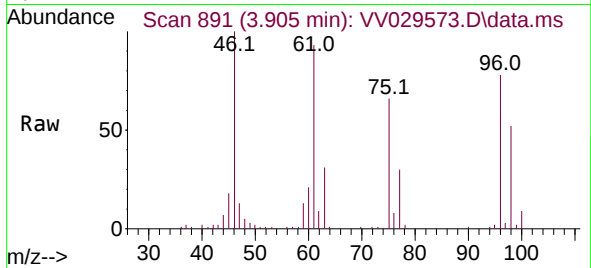




#20  
 cis-1,2-Dichloroethene  
 Concen: 11.304 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV029573.D  
 Acq: 10 Dec 2022 12:07

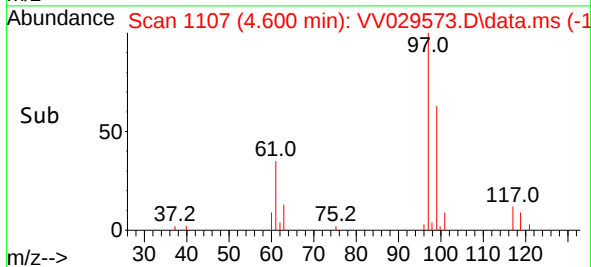
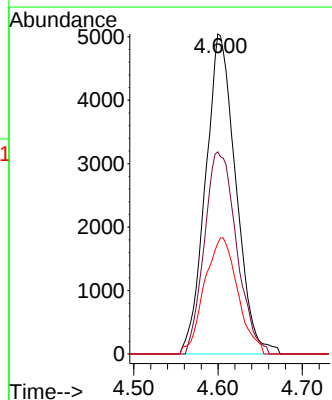
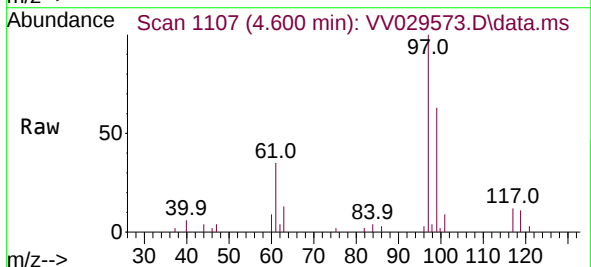
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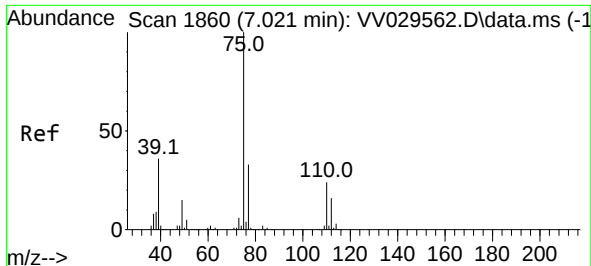
Tgt Ion: 96 Resp: 39042  
 Ion Ratio Lower Upper  
 96 100  
 61 120.0 78.0 144.9  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 2.476 ug/L  
 RT: 4.600 min Scan# 1107  
 Delta R.T. -0.003 min  
 Lab File: VV029573.D  
 Acq: 10 Dec 2022 12:07

Tgt Ion: 97 Resp: 12585  
 Ion Ratio Lower Upper  
 97 100  
 99 67.2 52.1 78.1  
 61 39.9 31.8 47.8





#39

cis-1,3-Dichloropropene

Concen: 0.653 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029573.D

Acq: 10 Dec 2022 12:07

Instrument :

MSVOA\_V

ClientSampleId :

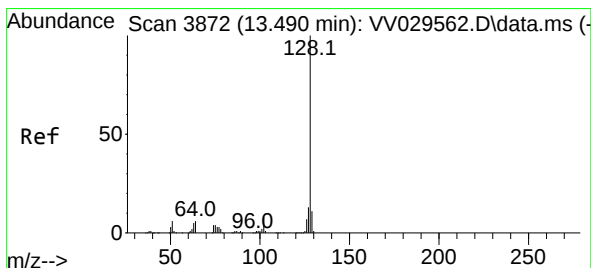
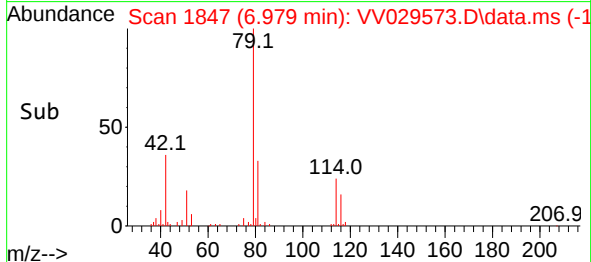
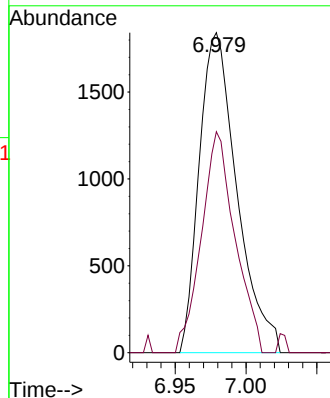
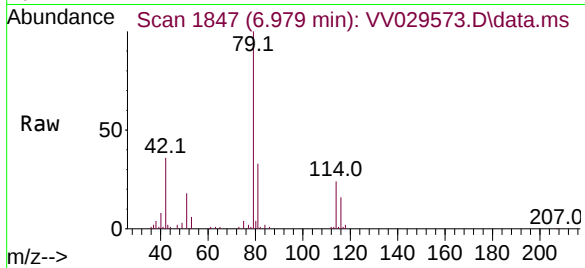
EXZ70

Tgt Ion: 75 Resp: 3407

Ion Ratio Lower Upper

75 100

77 69.1 21.9 40.7#



#71

Naphthalene

Concen: 0.959 ug/L

RT: 13.496 min Scan# 3874

Delta R.T. 0.007 min

Lab File: VV029573.D

Acq: 10 Dec 2022 12:07

Tgt Ion:128 Resp: 10910

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.7 8.5 12.7

