

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072722\  
 Data File : VV027029.D  
 Acq On : 28 Jul 2022 04:00  
 Operator : SY/MD  
 Sample : N3897-13  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBUQ5

Quant Time: Jul 28 06:19:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 28 02:51:09 2022  
 Response via : Initial Calibration

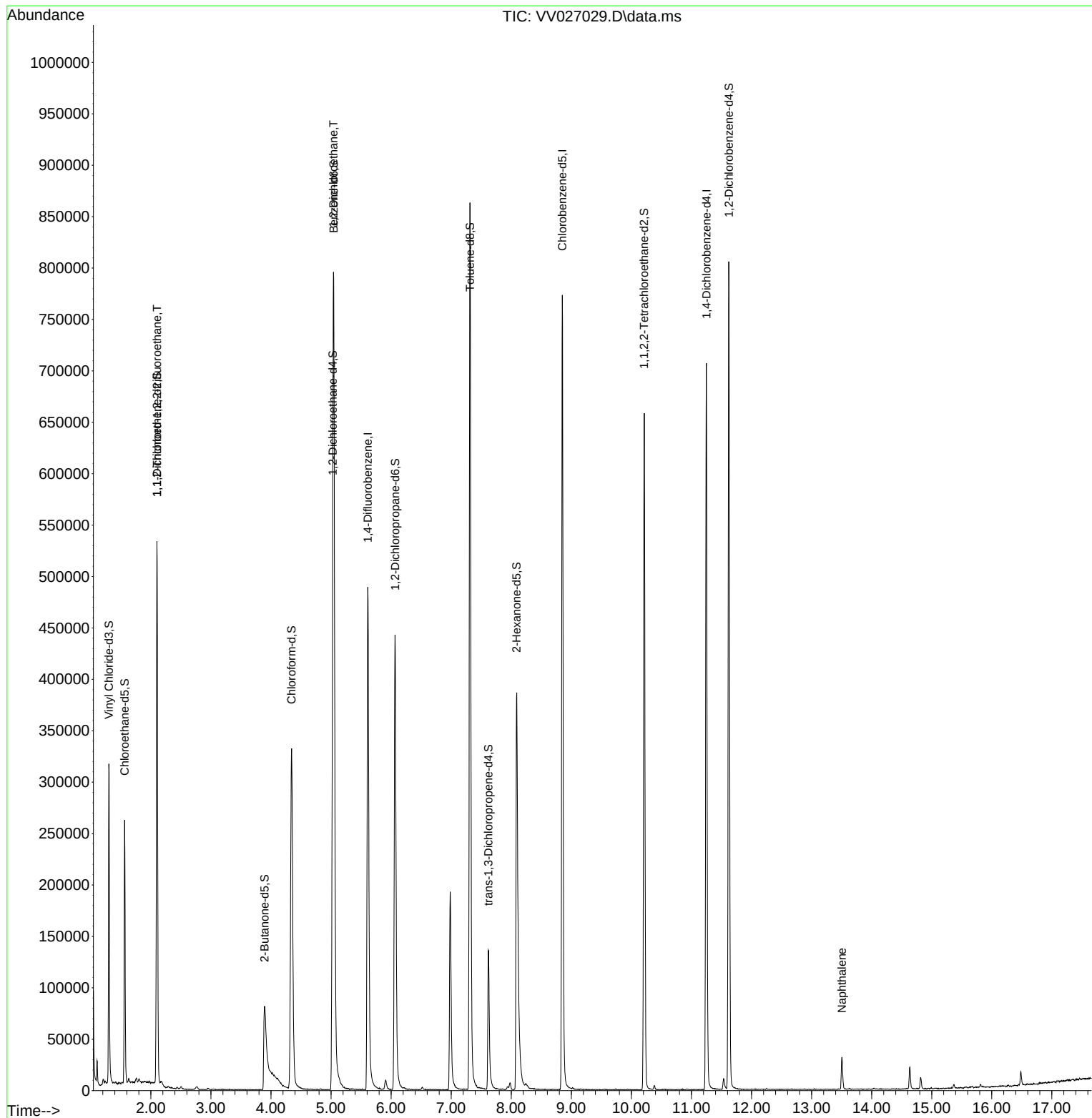
| Compound                      | R.T. QIon |       | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|-----------|-------|----------|--------|-----------|----------|
| Internal Standards            |           |       |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.612     | 114   | 450742   | 50.000 | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117   | 454565   | 50.000 | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249    | 152   | 194564   | 50.000 | ug/L      | 0.00     |
| System Monitoring Compounds   |           |       |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.301     | 65    | 201514   | 53.305 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | =      | 106.600%  |          |
| 7) Chloroethane-d5            | 1.564     | 69    | 168717   | 55.166 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | =      | 110.340%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.101     | 63    | 270620   | 39.790 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =      | 79.580%   |          |
| 21) 2-Butanone-d5             | 3.892     | 46    | 187967   | 73.766 | ug/L      | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | =      | 73.770%   |          |
| 24) Chloroform-d              | 4.342     | 84    | 365828   | 49.170 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =      | 98.340%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65    | 216939   | 50.974 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =      | 101.940%  |          |
| 32) Benzene-d6                | 5.043     | 84    | 740274   | 53.875 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =      | 107.760%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67    | 234217   | 52.894 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | =      | 105.780%  |          |
| 41) Toluene-d8                | 7.313     | 98    | 600527   | 49.951 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =      | 99.900%   |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79    | 87740    | 47.289 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =      | 94.580%   |          |
| 47) 2-Hexanone-d5             | 8.088     | 63    | 170664   | 88.516 | ug/L      | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | =      | 88.520%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214    | 84    | 331113   | 49.223 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | =      | 98.440%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 219525   | 60.141 | ug/L      | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =      | 120.280%# |          |
| Target Compounds              |           |       |          |        |           | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.101     | 101   | 2810     | 0.753  | ug/L      | # 23     |
| 27) 1,2-Dichloroethane        | 5.040     | 62    | 3803     | 0.745  | ug/L      | 99       |
| 71) Naphthalene               | 13.506    | 128   | 26399    | 2.396  | ug/L      | 98       |

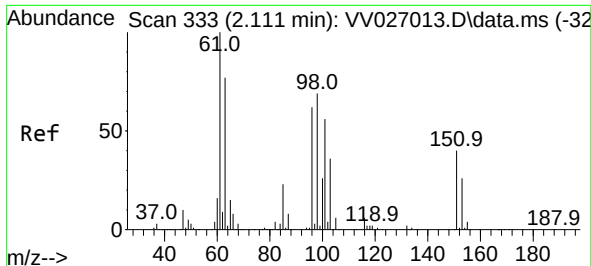
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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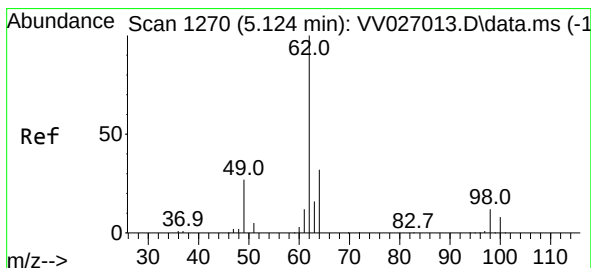
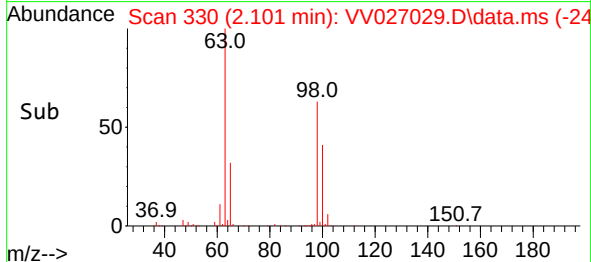
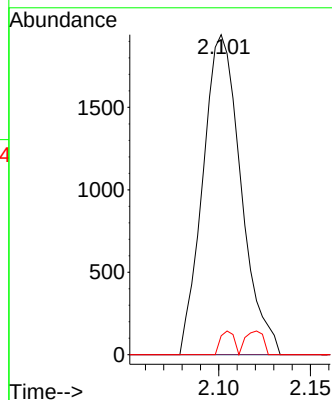
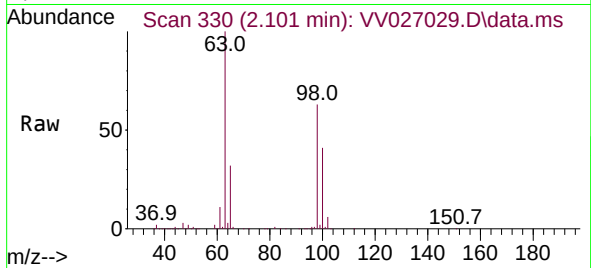




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.753 ug/L  
 RT: 2.101 min Scan# 31  
 Delta R.T. -0.010 min  
 Lab File: VV027029.D  
 Acq: 28 Jul 2022 04:00

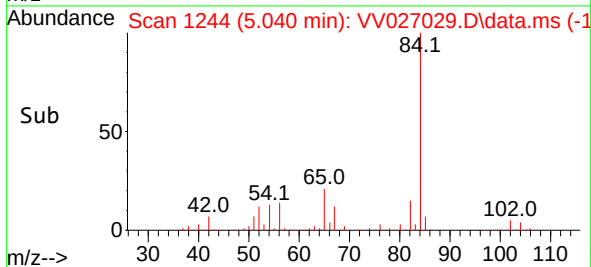
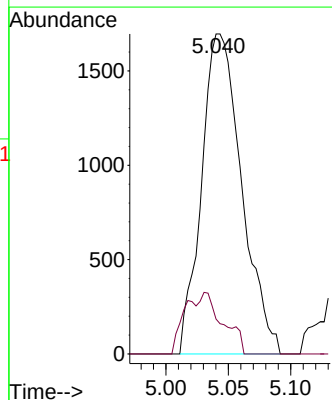
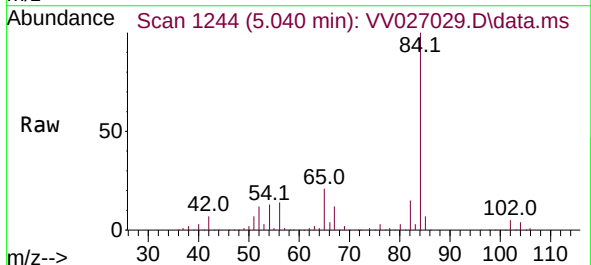
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBUQ5

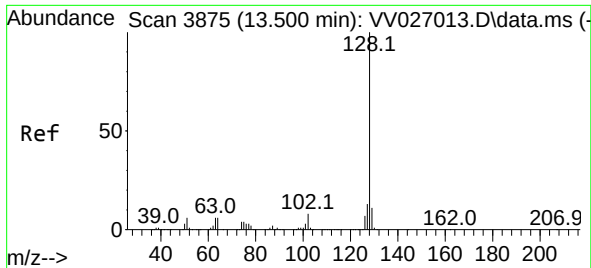
Tgt Ion:101 Resp: 2810  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 33.1 49.7#  
 151 2.6 57.1 85.7#



#27  
 1,2-Dichloroethane  
 Concen: 0.745 ug/L  
 RT: 5.040 min Scan# 1244  
 Delta R.T. -0.084 min  
 Lab File: VV027029.D  
 Acq: 28 Jul 2022 04:00

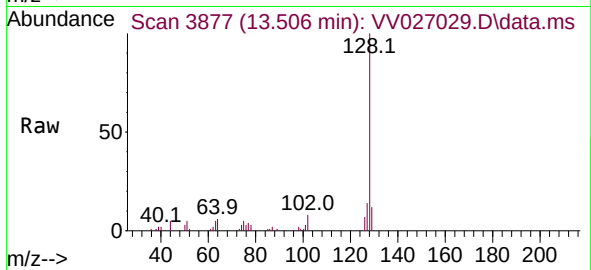
Tgt Ion: 62 Resp: 3803  
 Ion Ratio Lower Upper  
 62 100  
 98 10.9 8.9 13.3





#71  
Naphthalene  
Concen: 2.396 ug/L  
RT: 13.506 min Scan# 3877  
Delta R.T. 0.006 min  
Lab File: VV027029.D  
Acq: 28 Jul 2022 04:00

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 26399 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.1  | 10.4  | 15.6  |
| 129      | 11.1  | 8.6   | 13.0  |

