

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022822\  
 Data File : VW024835.D  
 Acq On : 28 Feb 2022 15:25  
 Operator : SY/MD  
 Sample : VW0228WBL01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK313

Quant Time: Mar 01 01:48:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 01 01:37:50 2022  
 Response via : Initial Calibration

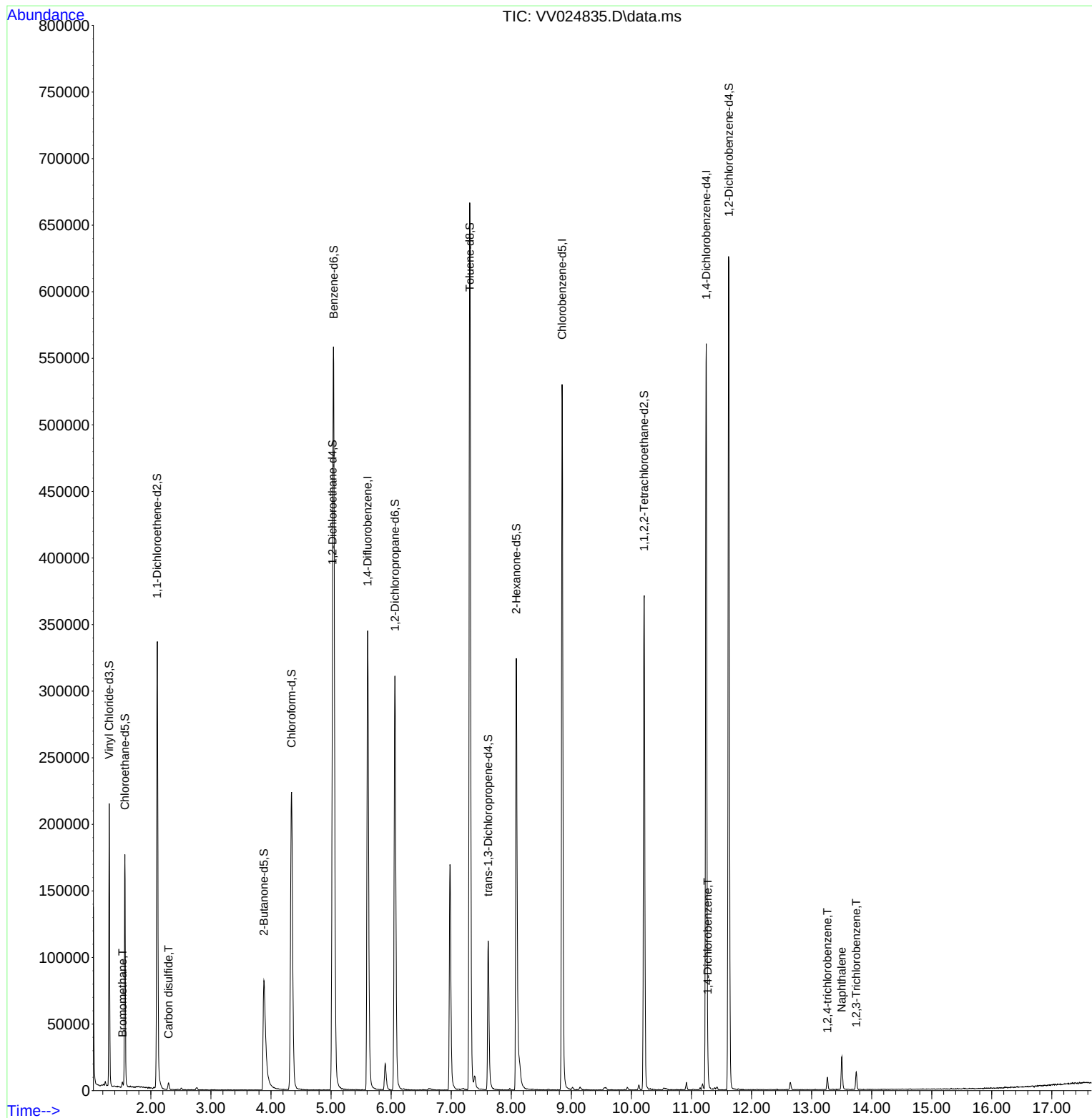
| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 306263   | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.847   | 117   | 291273   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 139747   | 50.000   | ug/L  | 0.00     |
|                               |         |       |          |          |       |          |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 133470   | 42.860   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 85.720%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 108741   | 44.507   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 89.020%  |
| 11) 1,1-Dichloroethene-d2     | 2.104   | 63    | 178856   | 34.219   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 68.440%  |
| 21) 2-Butanone-d5             | 3.883   | 46    | 164295   | 92.704   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 92.700%  |
| 24) Chloroform-d              | 4.342   | 84    | 238351   | 43.845   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 87.700%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 149036   | 46.466   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 92.940%  |
| 32) Benzene-d6                | 5.043   | 84    | 508234   | 47.075   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 94.160%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 160647   | 47.760   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 95.520%  |
| 41) Toluene-d8                | 7.310   | 98    | 449076   | 46.952   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 93.900%  |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79    | 68649    | 46.969   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 93.940%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 119063   | 93.254   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 93.250%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213  | 84    | 188669   | 47.290   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 94.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 153972   | 47.831   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 95.660%  |
|                               |         |       |          |          |       |          |
| Target Compounds              |         |       |          |          |       | Qvalue   |
| 6) Bromomethane               | 1.526   | 94    | 1970     | 1.074    | ug/L  | 94       |
| 14) Carbon disulfide          | 2.294   | 76    | 6061     | 0.875    | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 11.271  | 146   | 2898     | 0.636    | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.265  | 180   | 3019     | 1.153    | ug/L  | 98       |
| 71) Naphthalene               | 13.503  | 128   | 20226    | 2.383    | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744  | 180   | 4126     | 1.598    | ug/L  | 97       |
| -----                         |         |       |          |          |       |          |

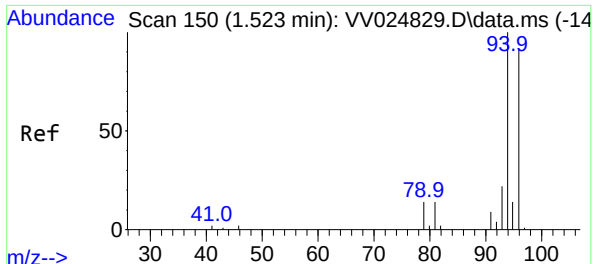
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VV0228WBL01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Tue Mar 01 01:37:50 2022  
Response via : Initial Calibration

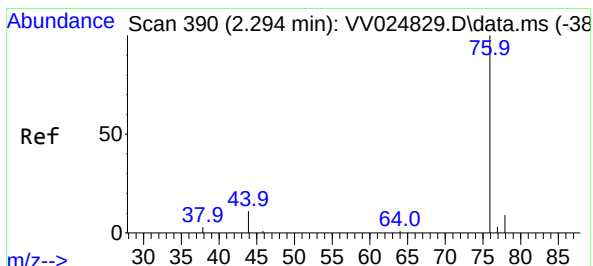
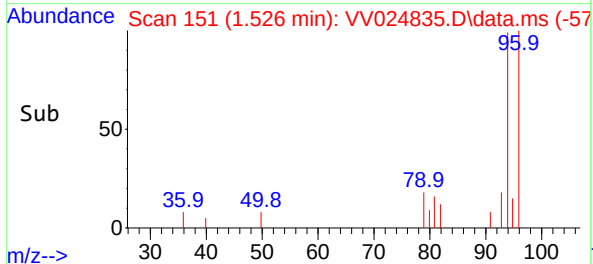
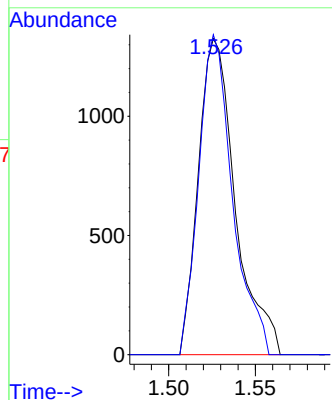
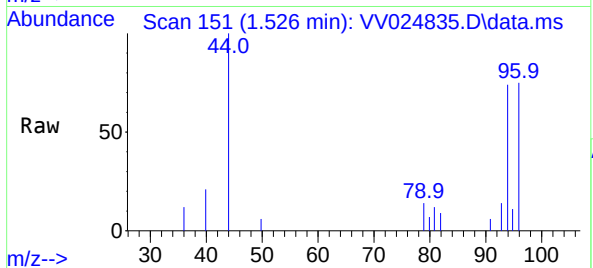




#6  
Bromomethane  
Concen: 1.074 ug/L  
RT: 1.526 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

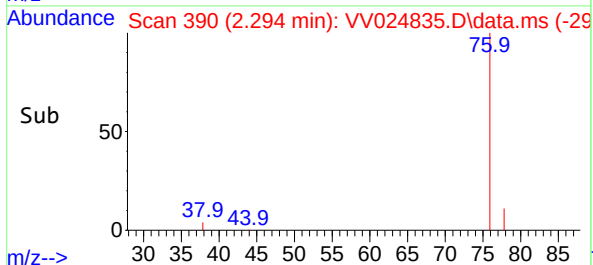
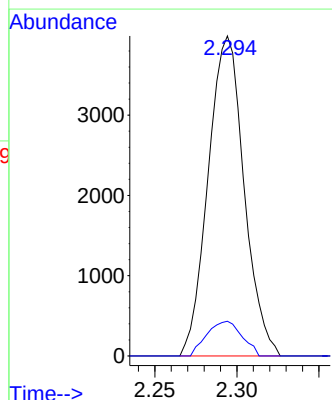
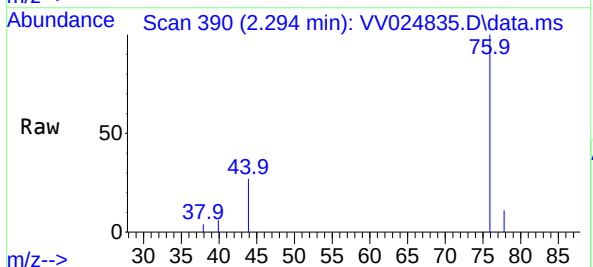
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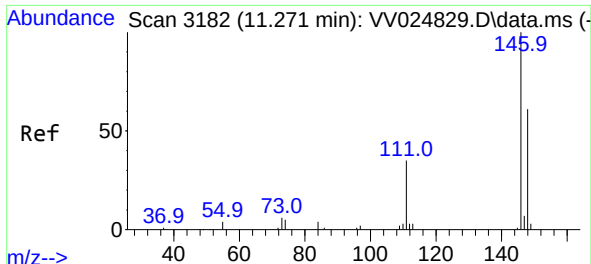
Tgt Ion: 94 Resp: 1970  
Ion Ratio Lower Upper  
94 100  
96 101.3 66.7 123.9



#14  
Carbon disulfide  
Concen: 0.875 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

Tgt Ion: 76 Resp: 6061  
Ion Ratio Lower Upper  
76 100  
78 10.9 7.4 11.0

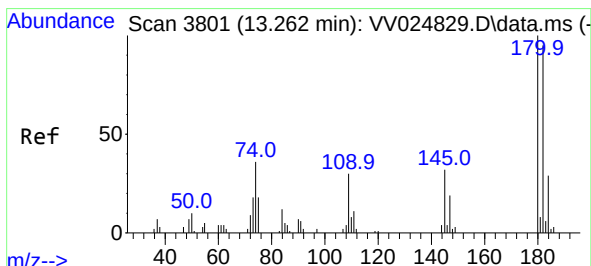
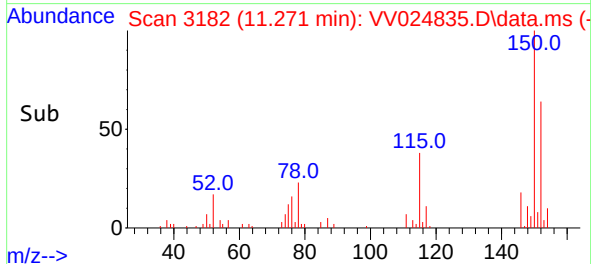
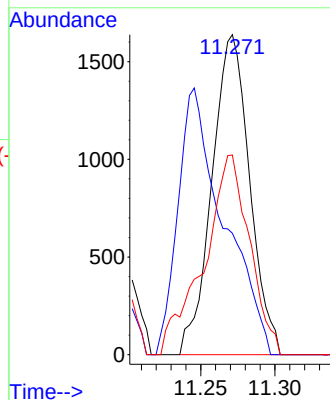
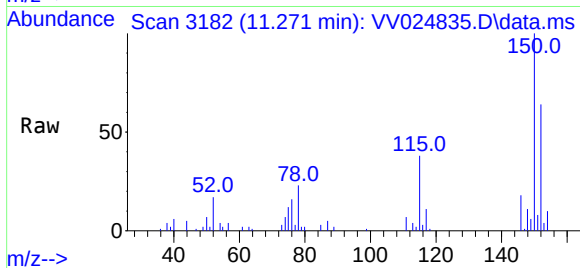




#65  
1,4-Dichlorobenzene  
Concen: 0.636 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

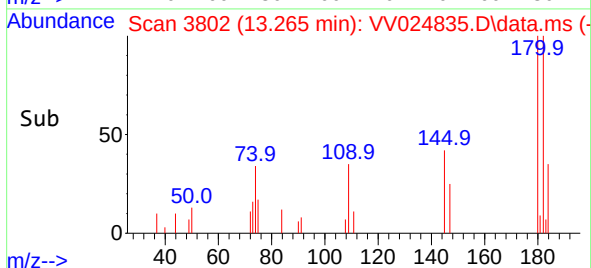
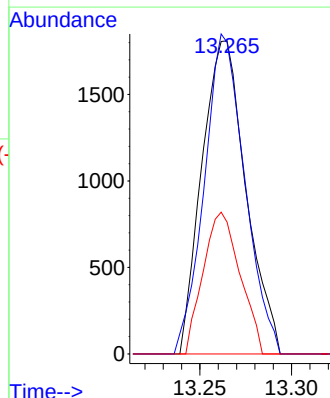
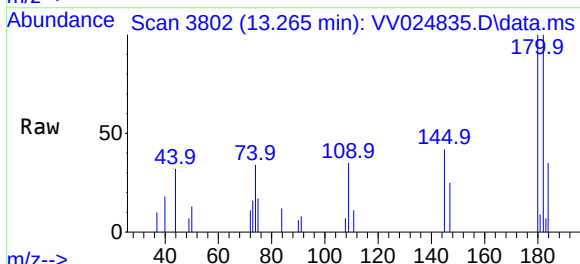
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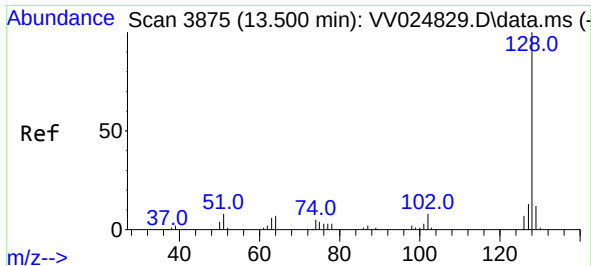
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2898  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 38.0  | 28.6  | 53.0  |
| 148      | 62.4  | 43.7  | 81.1  |



#70  
1,2,4-trichlorobenzene  
Concen: 1.153 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.006 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3019  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.0  | 76.0  | 114.0 |
| 145      | 37.9  | 27.6  | 41.4  |

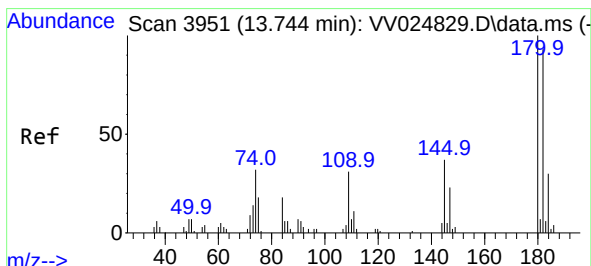
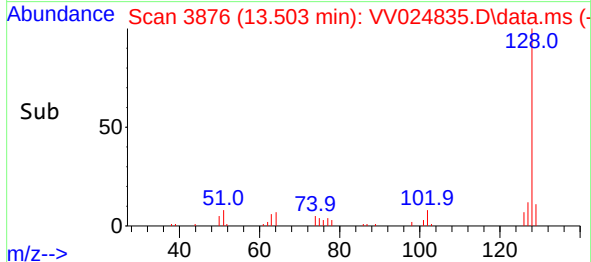
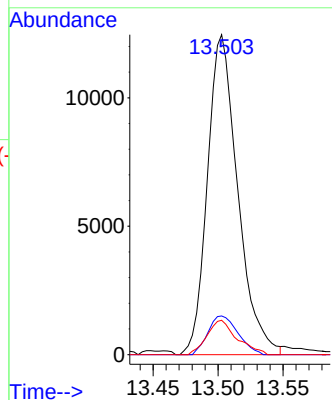
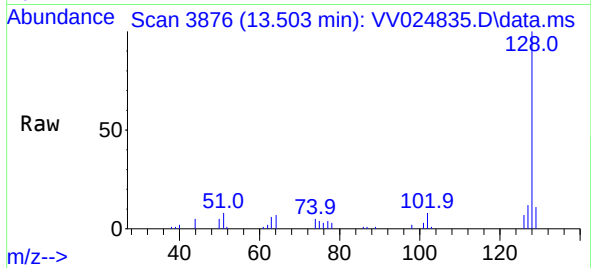




#71  
Naphthalene  
Concen: 2.383 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.003 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

Instrument :  
MSVOA\_V  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20226 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.0  | 10.2  | 15.4  |
| 129      | 10.6  | 8.6   | 13.0  |



#72  
1,2,3-Trichlorobenzene  
Concen: 1.598 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.003 min  
Lab File: VV024835.D  
Acq: 28 Feb 2022 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 4126  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.8  | 75.9  | 113.9 |
| 145      | 35.0  | 28.7  | 43.1  |

