

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082423\  
 Data File : VW026875.D  
 Acq On : 25 Aug 2023 00:53  
 Operator : SY/MD  
 Sample : 04113-10  
 Misc : 6.19g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 25 05:24:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 25 05:00:16 2023  
 Response via : Initial Calibration

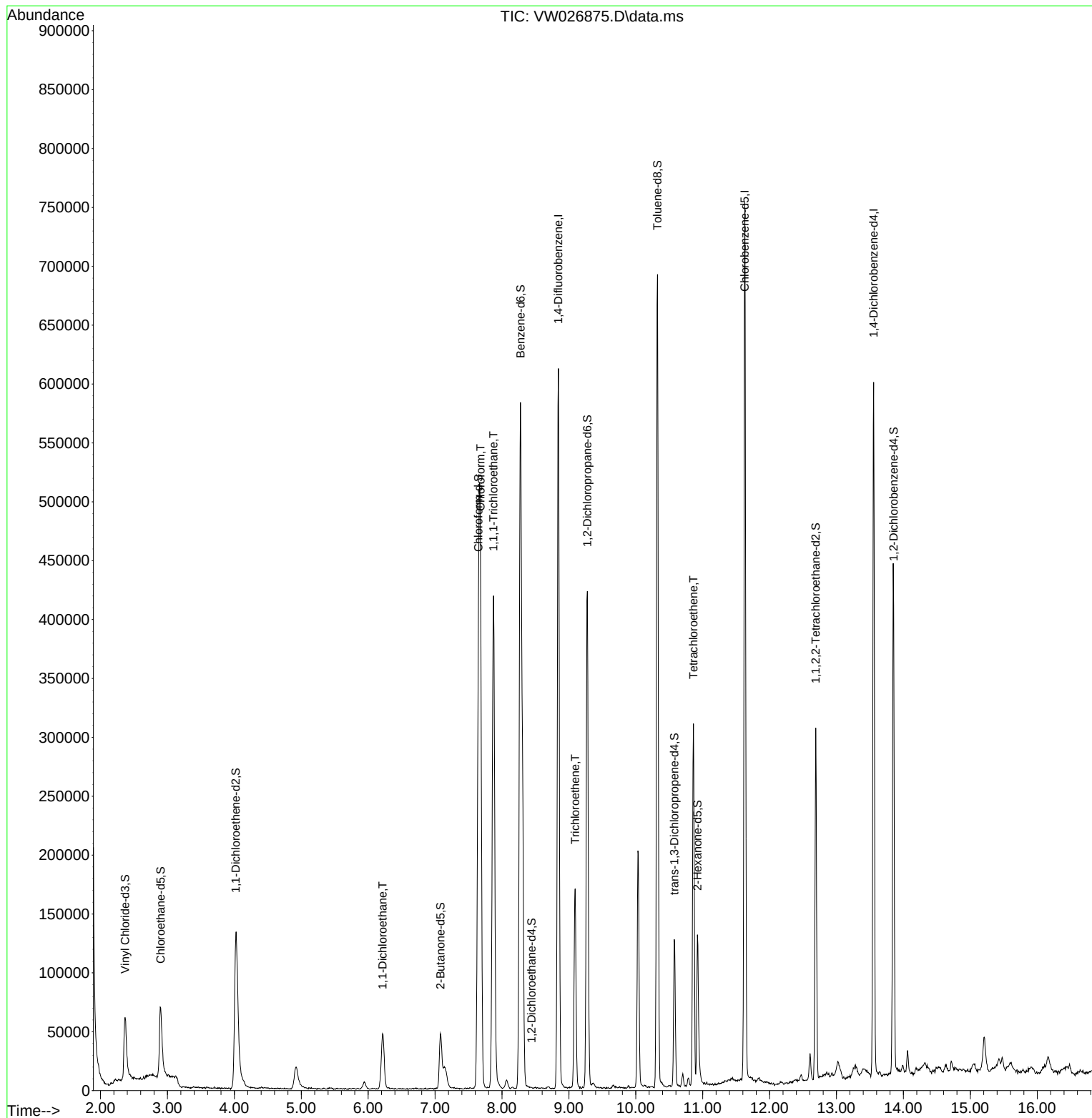
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 500926   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 400098   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 157654   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 95055    | 11.543   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 46.160%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 94978    | 15.511   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 62.040%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 53738    | 13.268   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 53.080%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 80789    | 34.134   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 68.260%  |
| 24) Chloroform-d              | 7.648  | 84    | 354493   | 21.085   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 84.360%  |
| 26) 1,2-Dichloroethane-d4     | 8.441  | 65    | 166      | 0.018    | ug/L  | 0.13     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 0.080%#  |
| 32) Benzene-d6                | 8.276  | 84    | 581431   | 21.086   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 84.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 187257   | 21.801   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 87.200%  |
| 41) Toluene-d8                | 10.325 | 98    | 458053   | 19.352   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 77.400%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 70847    | 19.977   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 79.920%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 43652    | 48.367   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 96.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 140652   | 20.736   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 82.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 112513   | 19.939   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 79.760%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 66682    | 3.921    | ug/L  | 98       |
| 25) Chloroform                | 7.679  | 83    | 381155   | 23.201   | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97    | 347134   | 33.244   | ug/L  | 98       |
| 34) Trichloroethene           | 9.093  | 95    | 56969    | 7.677    | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164   | 69850    | 12.957   | ug/L  | 94       |
| -----                         |        |       |          |          |       |          |

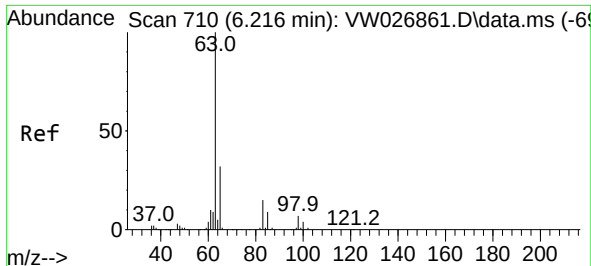
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 25 05:00:16 2023  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 3.921 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

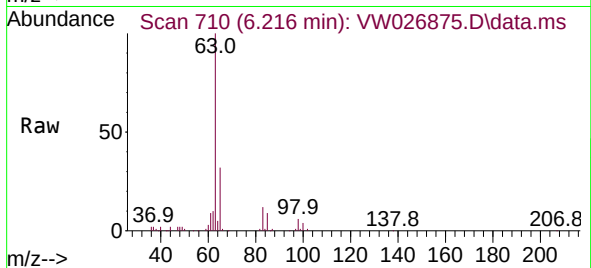
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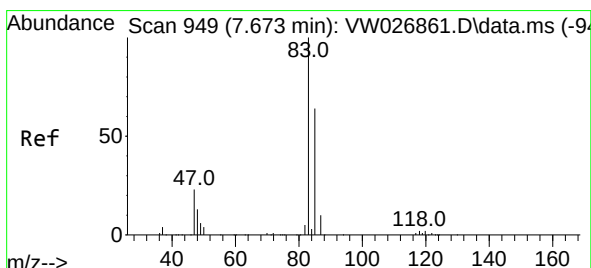
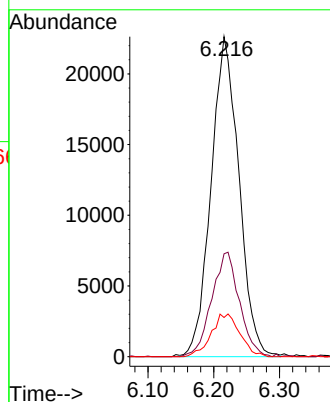
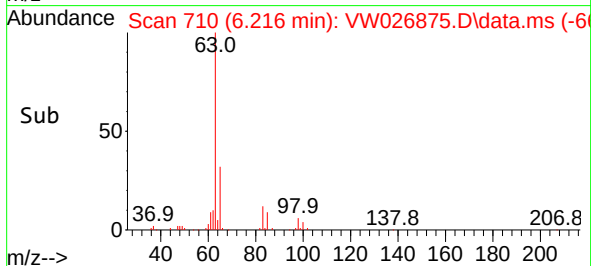
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 66682 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.1  | 21.8  | 40.6  |
| 83       | 12.2  | 9.0   | 16.6  |



#25

Chloroform

Concen: 23.201 ug/L

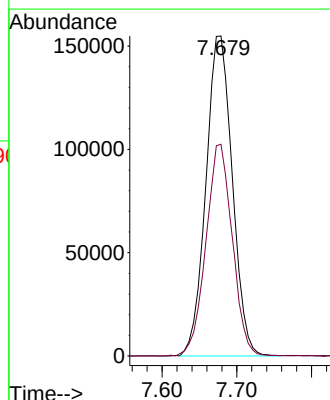
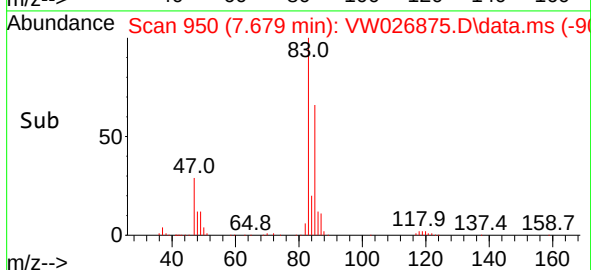
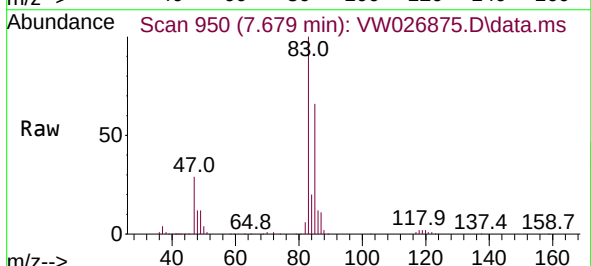
RT: 7.679 min Scan# 950

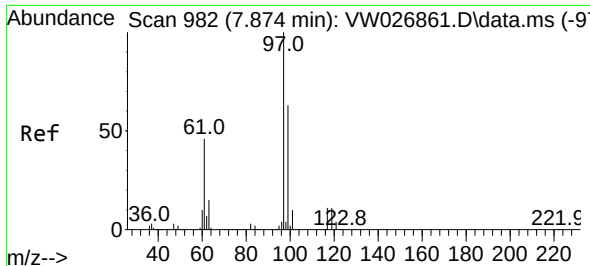
Delta R.T. 0.006 min

Lab File: VW026875.D

Acq: 25 Aug 2023 00:53

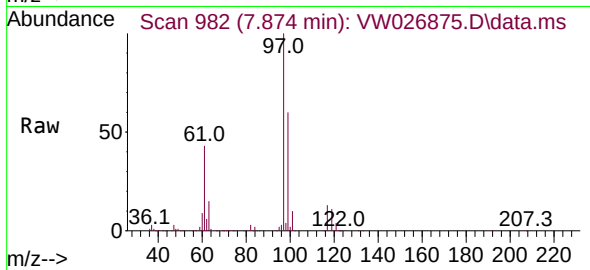
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 381155 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.2  | 45.4  | 84.2   |





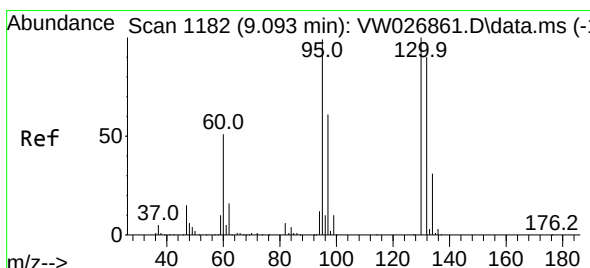
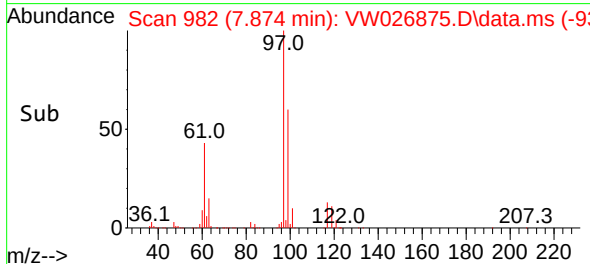
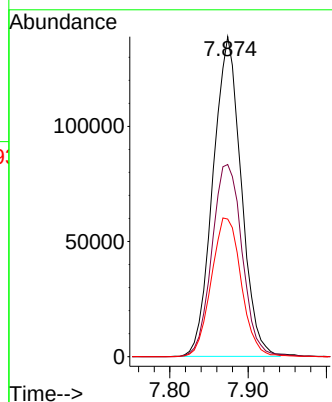
#30  
1,1,1-Trichloroethane  
Concen: 33.244 ug/L  
RT: 7.874 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW026875.D  
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Tgt Ion: 97 Resp: 347134

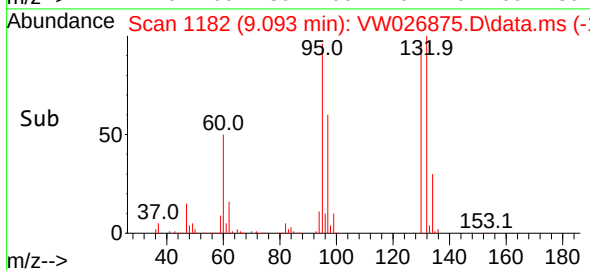
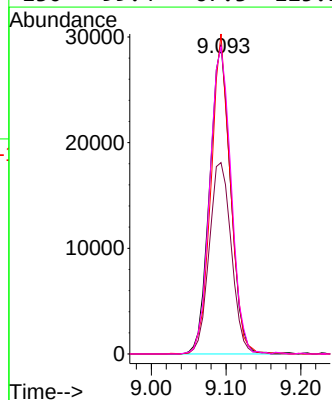
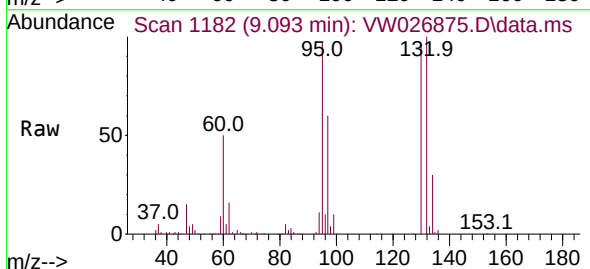
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.8  | 51.2  | 76.8  |
| 61  | 46.2  | 39.2  | 58.8  |

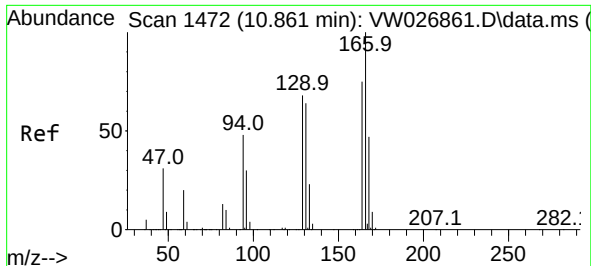


#34  
Trichloroethene  
Concen: 7.677 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW026875.D  
Acq: 25 Aug 2023 00:53

Tgt Ion: 95 Resp: 56969

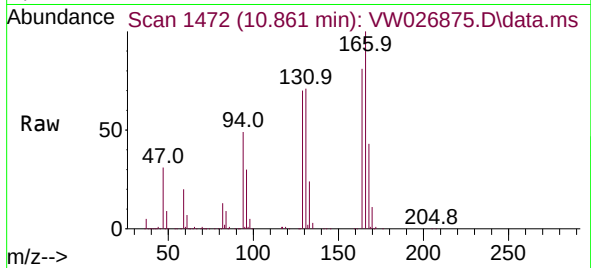
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.9  | 44.6  | 82.8  |
| 132 | 103.5 | 66.4  | 123.2 |
| 130 | 99.4  | 67.3  | 125.1 |





#46  
 Tetrachloroethene  
 Concen: 12.957 ug/L  
 RT: 10.861 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: VW026875.D  
 Acq: 25 Aug 2023 00:53

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 69850 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 86.4  | 68.1  | 126.5 |
| 131      | 88.1  | 65.5  | 121.7 |
| 166      | 123.8 | 89.1  | 165.5 |

