

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091123\  
 Data File : VV032032.D  
 Acq On : 11 Sep 2023 17:32  
 Operator : SY/MD  
 Sample : 04306-12 40X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH4K7

Quant Time: Sep 12 06:01:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 09 21:51:31 2023  
 Response via : Initial Calibration

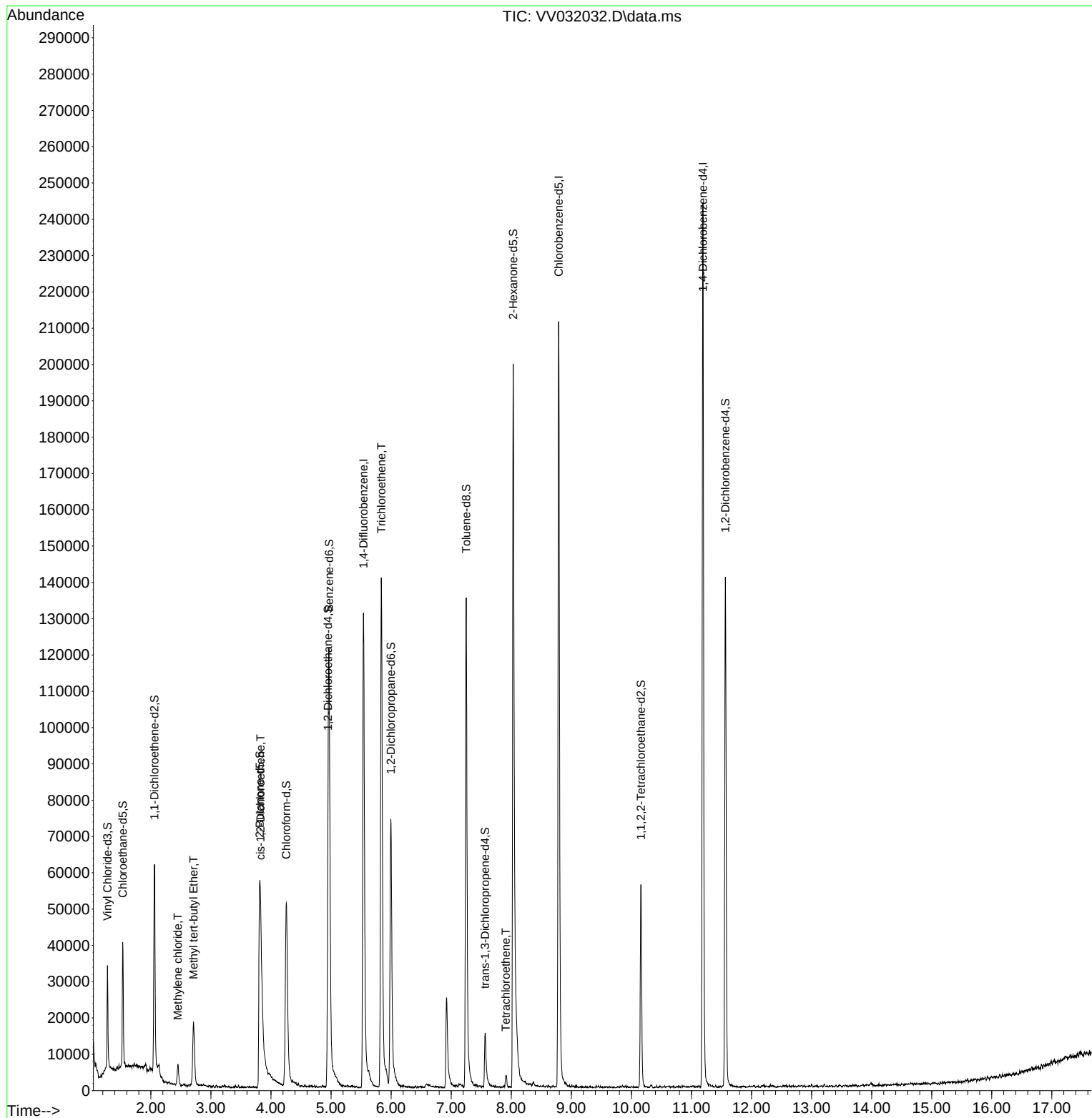
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114            | 113348   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117            | 117519   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152            | 61711    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 17344    | 4.530  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 90.600%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 22372    | 5.101  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 102.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65             | 10223    | 4.537  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 90.800%  |          |
| 20) 2-Butanone-d5             | 3.812  | 46             | 99297    | 53.582 | ug/L     | 0.01     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 107.160% |          |
| 24) Chloroform-d              | 4.256  | 84             | 55105    | 4.253  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65             | 28507    | 4.270  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.400%  |          |
| 32) Benzene-d6                | 4.966  | 84             | 113434   | 4.242  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67             | 40466    | 4.291  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 85.800%  |          |
| 41) Toluene-d8                | 7.249  | 98             | 93690    | 3.776  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 75.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79             | 10093    | 2.935  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 58.800%  |          |
| 46) 2-Hexanone-d5             | 8.034  | 63             | 74436    | 40.601 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 81.200%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84             | 28302    | 4.183  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 83.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152            | 35371    | 3.539  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 70.800%# |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 16) Methylene chloride        | 2.449  | 84             | 2134     | 0.257  | ug/L     | 90       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73             | 18075    | 1.142  | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 3.828  | 96             | 3317     | 0.498  | ug/L     | 90       |
| 34) Trichloroethene           | 5.838  | 95             | 51469    | 6.505  | ug/L     | 97       |
| 47) Tetrachloroethene         | 7.908  | 164            | 641      | 0.127  | ug/L #   | 81       |
| -----                         |        |                |          |        |          |          |

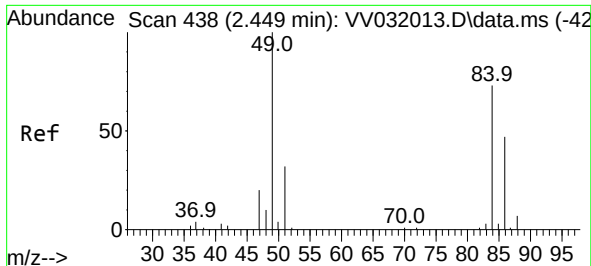
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

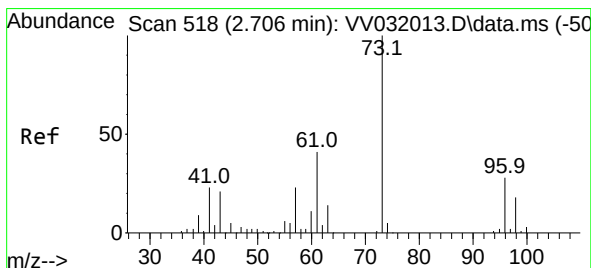
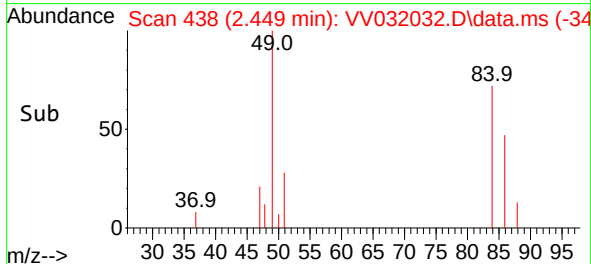
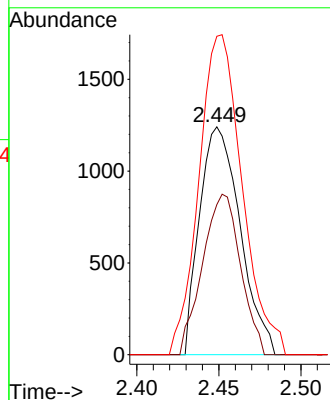
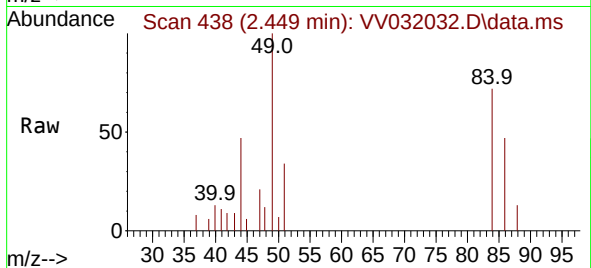




#16  
Methylene chloride  
Concen: 0.257 ug/L  
RT: 2.449 min Scan# 41  
Delta R.T. 0.000 min  
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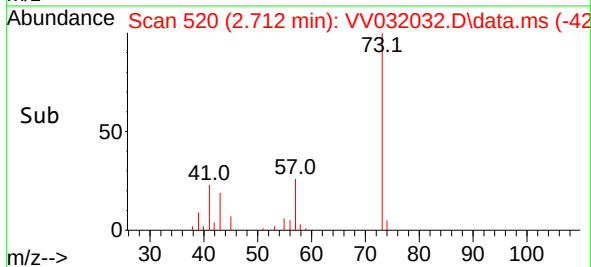
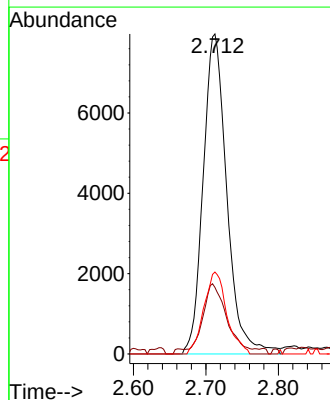
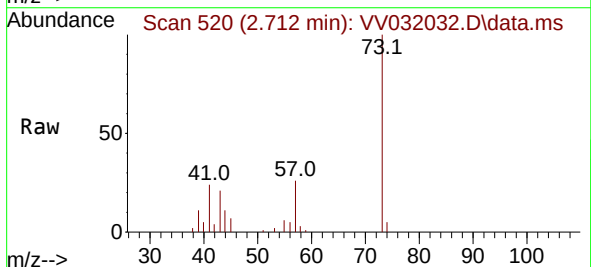
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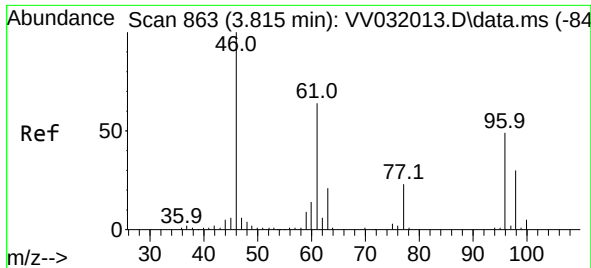
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2134  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 65.9  | 42.6  | 79.2  |
| 49       | 139.7 | 88.5  | 164.4 |



#17  
Methyl tert-butyl Ether  
Concen: 1.142 ug/L  
RT: 2.712 min Scan# 520  
Delta R.T. 0.007 min  
Lab File: VV032032.D  
Acq: 11 Sep 2023 17:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 18075 |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 19.7  | 15.6  | 23.4  |
| 57       | 24.7  | 17.8  | 26.8  |

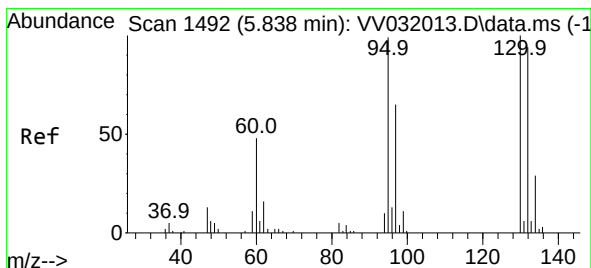
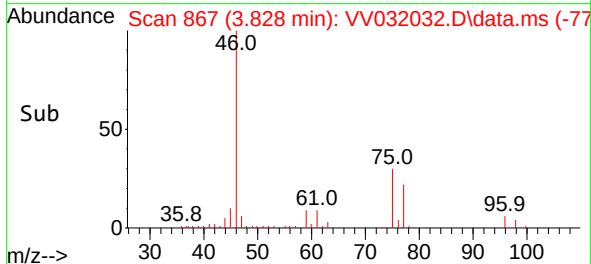
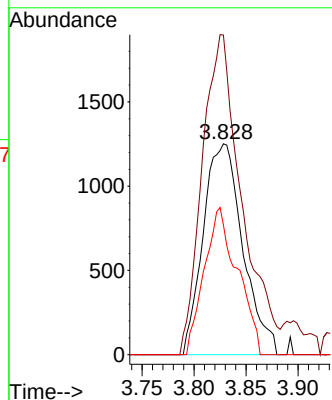
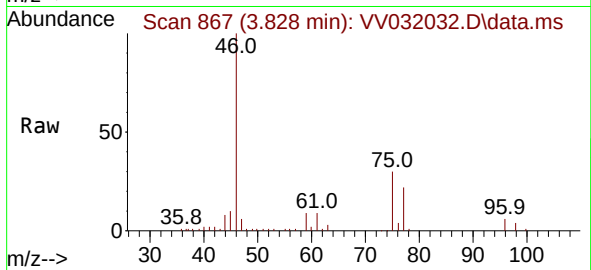




#22  
cis-1,2-Dichloroethene  
Concen: 0.498 ug/L  
RT: 3.828 min Scan# 867  
Delta R.T. 0.013 min  
Lab File: VV032032.D  
Acq: 11 Sep 2023 17:32

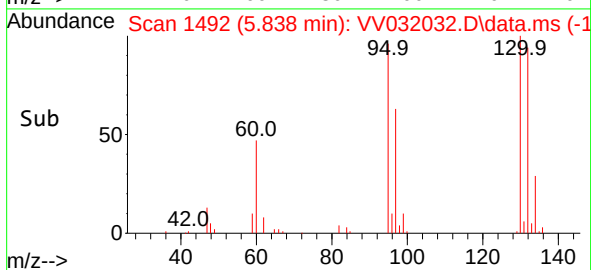
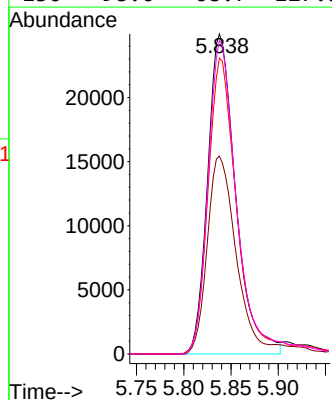
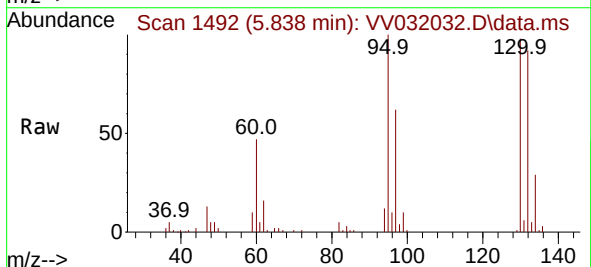
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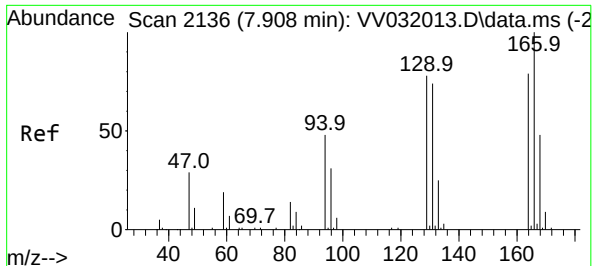
Tgt Ion: 96 Resp: 3317  
Ion Ratio Lower Upper  
96 100  
61 151.6 94.1 174.8  
98 61.6 43.8 81.4



#34  
Trichloroethene  
Concen: 6.505 ug/L  
RT: 5.838 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: VV032032.D  
Acq: 11 Sep 2023 17:32

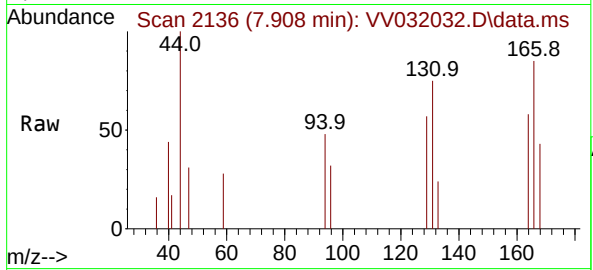
Tgt Ion: 95 Resp: 51469  
Ion Ratio Lower Upper  
95 100  
97 61.8 47.7 88.7  
132 92.4 63.8 118.4  
130 98.0 68.7 127.5





#47  
Tetrachloroethene  
Concen: 0.127 ug/L  
RT: 7.908 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV032032.D  
Acq: 11 Sep 2023 17:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 641    |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 99.2  | 70.6  | 131.2  |
| 131      | 130.0 | 64.6  | 120.0# |
| 166      | 147.6 | 88.3  | 164.1  |

