

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061618\  
 Data File : VR025343.D  
 Acq On : 17 Jun 2018 3:22  
 Operator : SY/MD  
 Sample : J3513-03  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0KD8

Manual Integrations  
 APPROVED

MMDadoda  
 6/18/2018 1:09:11 PM

Quant Time: Jun 18 04:50:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 18 04:02:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 521392   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 450589   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 145471   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 70919    | 3.99     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 2.64   | 69    | 58524    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 136368   | 2.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.80%# |
| 20) 2-Butanone-d5              | 6.59   | 46    | 251384   | 52.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.62% |
| 24) Chloroform-d               | 7.20   | 84    | 269601   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.20%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 111323   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 32) Benzene-d6                 | 7.86   | 84    | 541842   | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 71.00%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 178868   | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 82.40%  |
| 41) Toluene-d8                 | 9.97   | 98    | 424509   | 3.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 62.80%# |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 27683    | 2.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 48.00%# |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 200649   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 81684    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 103484   | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 83.80%  |

| Target Compounds           |      |    |        |       | Ovalue |
|----------------------------|------|----|--------|-------|--------|
| 12) 1,1-Dichloroethene     | 3.65 | 96 | 15367m | 0.838 | ug/L   |
| 13) Acetone                | 3.70 | 43 | 15784  | 7.342 | ug/L   |
| 22) cis-1,2-Dichloroethene | 6.68 | 96 | 17517  | 0.446 | ug/L   |
| 34) Trichloroethene        | 8.71 | 95 | 408267 | 9.539 | ug/L   |

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

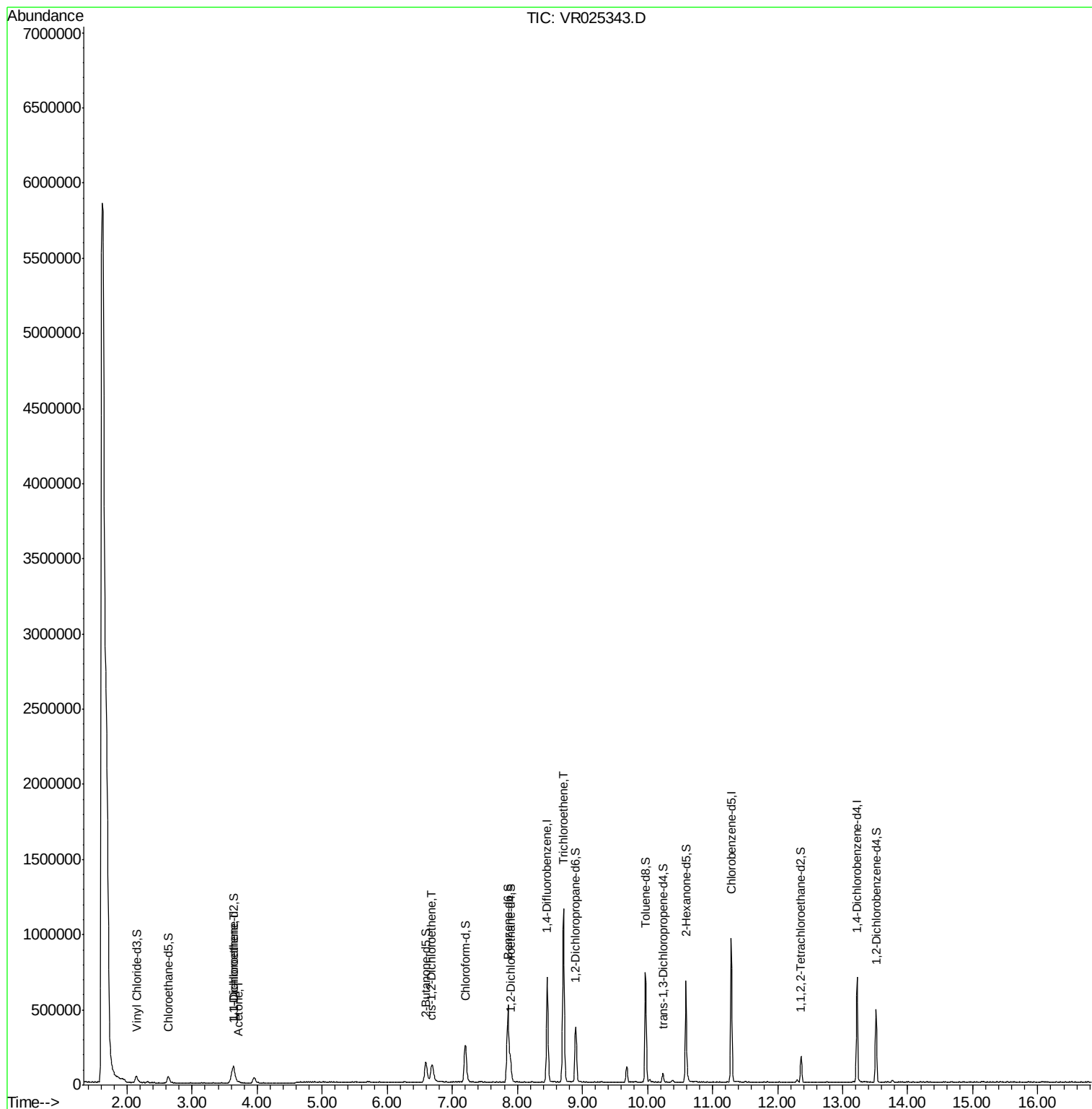
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR061618\  
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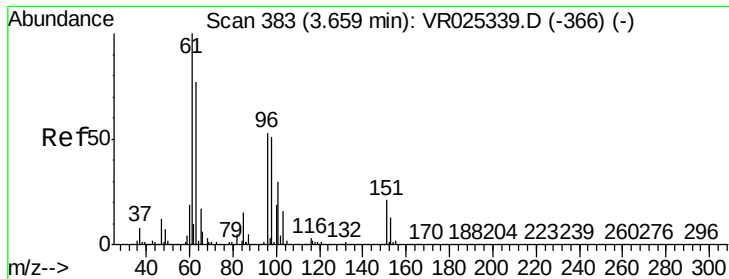
Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 18 04:02:12 2018  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.838 ug/L m

RT: 3.65 min Scan# 382

Delta R.T. -0.01 min

Lab File: VR025343.D

Acq: 17 Jun 2018 3:22

Instrument :

MSVOA\_R

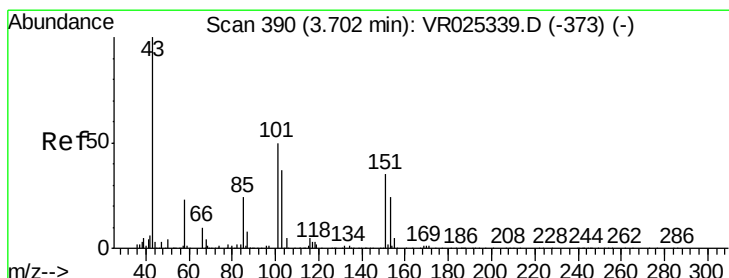
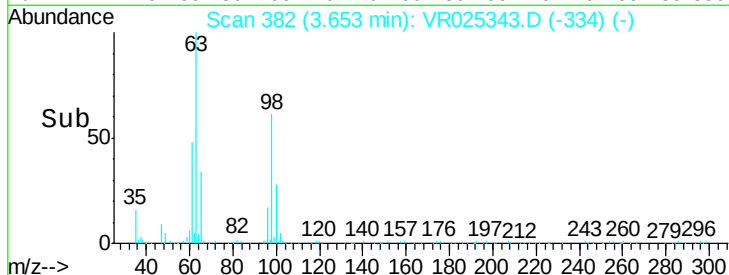
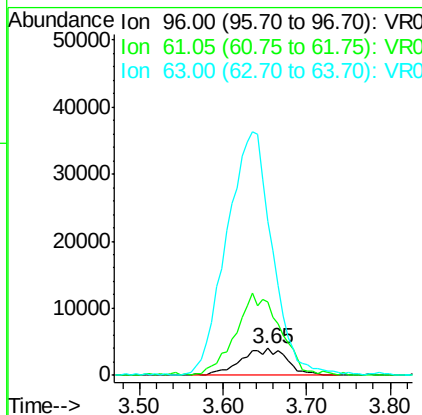
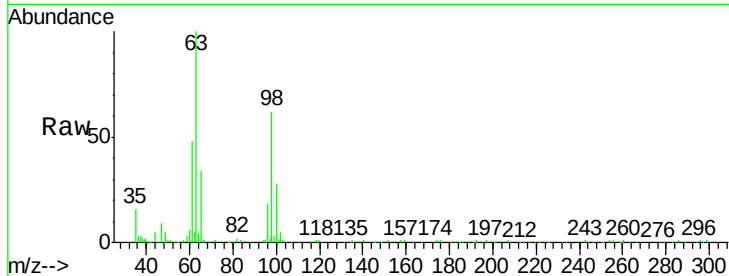
ClientSampleId :

C0KD8

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 15367  |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 269.3 | 155.0 | 287.9  |
| 63        | 565.3 | 122.3 | 227.1# |

Manual Integrations  
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#13

Acetone

Concen: 7.342 ug/L

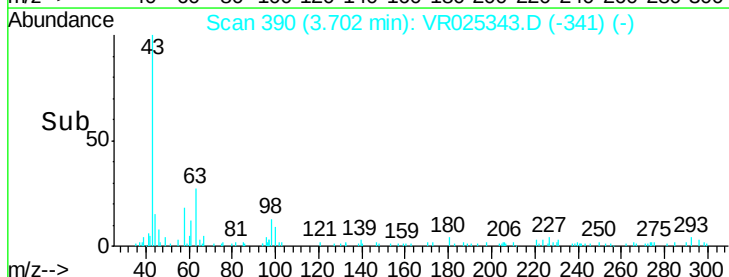
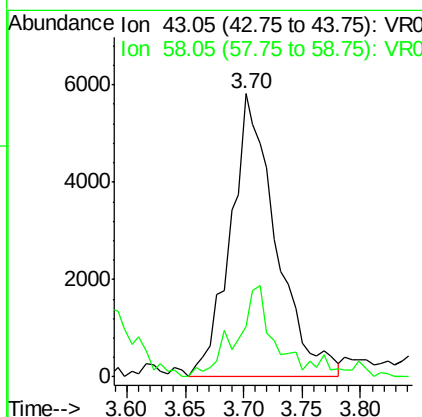
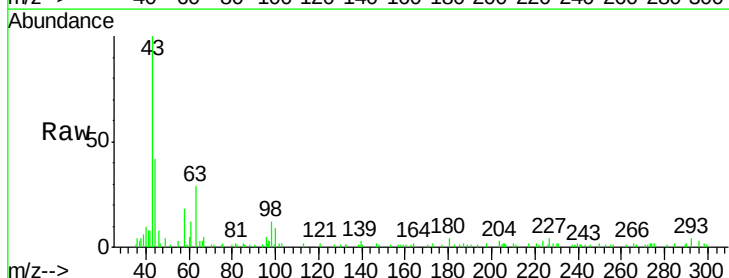
RT: 3.70 min Scan# 390

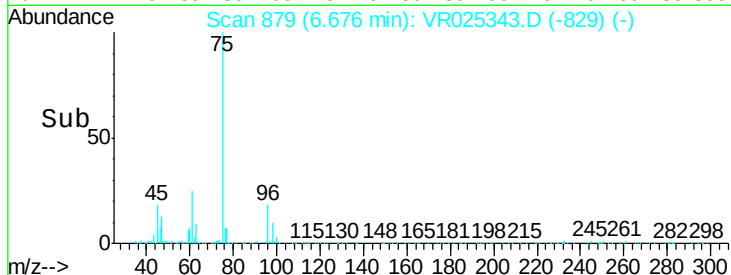
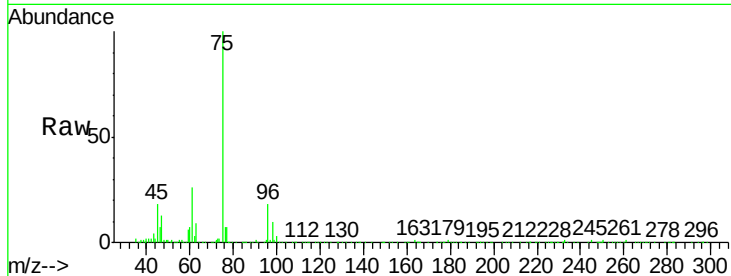
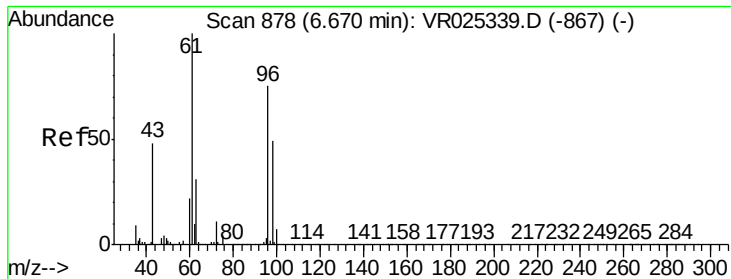
Delta R.T. 0.00 min

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 15784 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 25.6  | 0.0   | 41.6  |





#22

cis-1,2-Dichloroethene

Concen: 0.446 ug/L

RT: 6.68 min Scan# 879

Delta R.T. 0.01 min

Lab File: VR025343.D

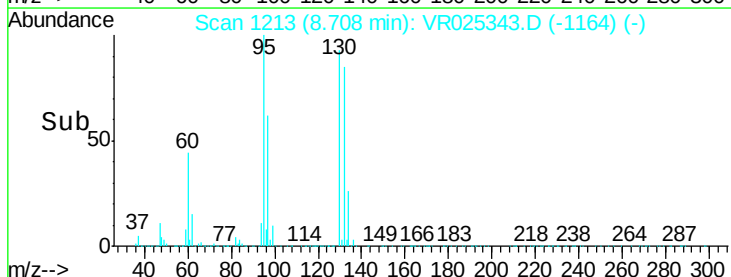
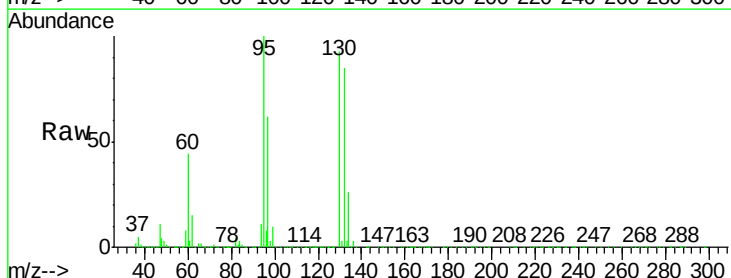
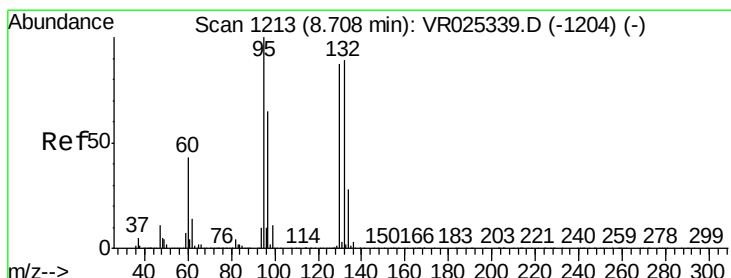
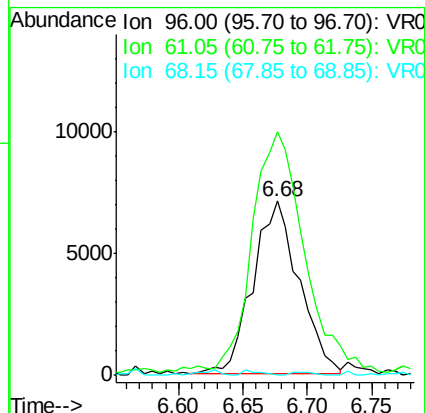
Acq: 17 Jun 2018 3:22

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       | 17517 |       |       |
| 61      | 139.9 | 91.0  | 169.0 |       |       |
| 68      | 0.0   | 0.0   | 0.0   |       |       |

Instrument :  
MSVOA\_R  
ClientSampled :  
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#34

Trichloroethene

Concen: 9.539 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025343.D

Acq: 17 Jun 2018 3:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 95      | 100  |       | 408267 |       |       |
| 97      | 61.8 | 45.6  | 84.6   |       |       |
| 132     | 84.6 | 60.9  | 113.1  |       |       |
| 130     | 93.2 | 62.0  | 115.2  |       |       |

