

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW032221\  
 Data File : VW020703.D  
 Acq On : 22 Mar 2021 16:05  
 Operator : SY/MD  
 Sample : M1698-16ME 5X  
 Misc : 5.84g/5.0mL/100uL/5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4L4ME

Quant Time: Mar 23 02:15:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM031321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 23 02:12:43 2021  
 Response via : Initial Calibration

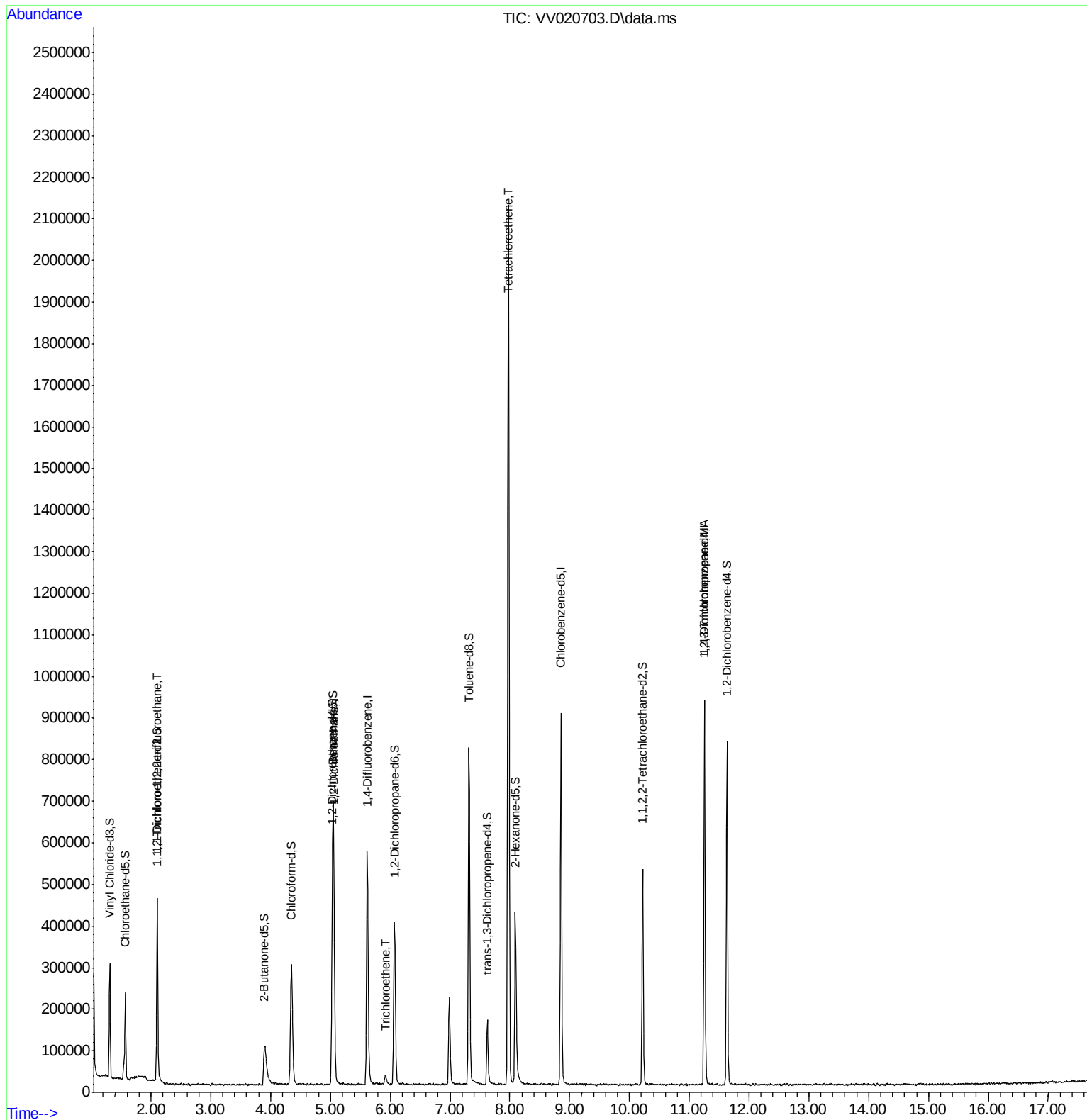
| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 469615     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 460822     | 50.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.256         | 152  | 220743     | 50.00   | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.311          | 65   | 165390     | 43.66   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 87.32%  |       |          |
| 7) Chloroethane-d5            | 1.571          | 69   | 121067     | 39.95   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 79.90%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 226440     | 31.45   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.90%  |       |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 217356     | 89.40   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 89.40%  |       |          |
| 24) Chloroform-d              | 4.349          | 84   | 292860     | 44.48   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.96%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 197507     | 45.46   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.92%  |       |          |
| 32) Benzene-d6                | 5.050          | 84   | 561217     | 44.08   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.16%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 177776     | 43.64   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 87.28%  |       |          |
| 41) Toluene-d8                | 7.317          | 98   | 500452     | 44.23   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.46%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 85136      | 44.72   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.44%  |       |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 154748     | 101.54  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 101.54% |       |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 241775     | 47.50   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.00%  |       |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 196027     | 45.83   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.66%  |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.102          | 101  | 2330       | 0.71    | ug/L  | 31       |
| 27) 1,2-Dichloroethane        | 5.056          | 62   | 3524       | 0.66    | ug/L  | 100      |
| 34) Trichloroethene           | 5.921          | 95   | 7648       | 1.95    | ug/L  | 90       |
| 46) Tetrachloroethene         | 7.976          | 164  | 435359     | 172.96  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane    | 11.252         | 75   | 29454      | 6.40    | ug/L  | 89       |
| -----                         |                |      |            |         |       |          |

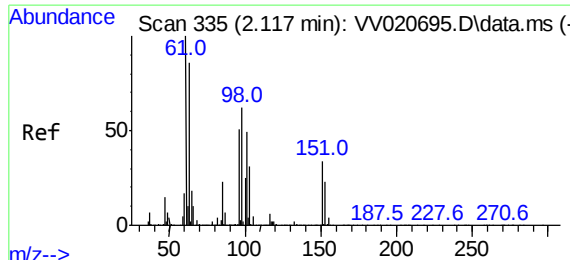
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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BG4L4ME

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Quant Title : VOC Analysis  
QLast Update : Tue Mar 23 02:12:43 2021  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.71 ug/L

RT: 2.102 min Scan# 330

Delta R.T. -0.016 min

Lab File: VV020703.D

Acq: 22 Mar 2021 16:05

Instrument :

MSVOA\_V

ClientSampleId :

BG4L4ME

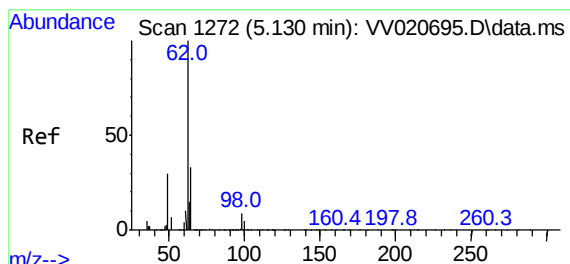
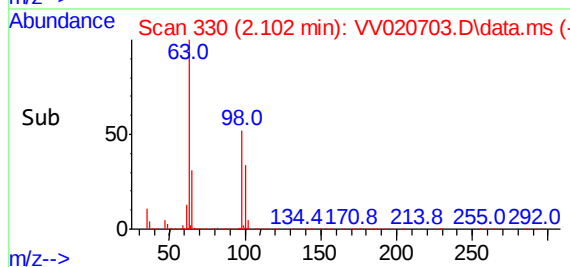
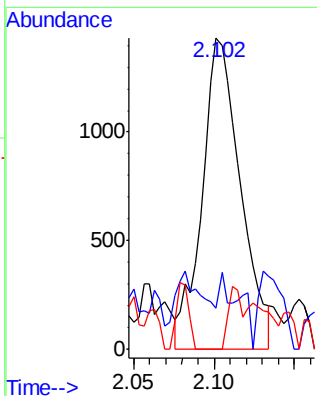
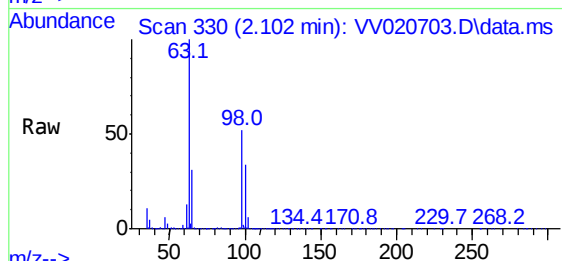
Tgt Ion:101 Resp: 2330

Ion Ratio Lower Upper

101 100

85 4.6 35.3 52.9#

151 7.1 53.6 80.4#



#27

1,2-Dichloroethane

Concen: 0.66 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. -0.074 min

Lab File: VV020703.D

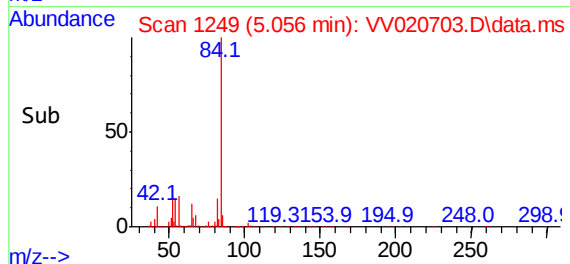
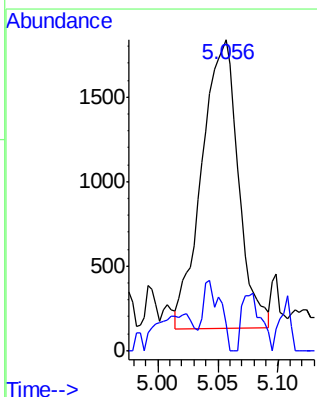
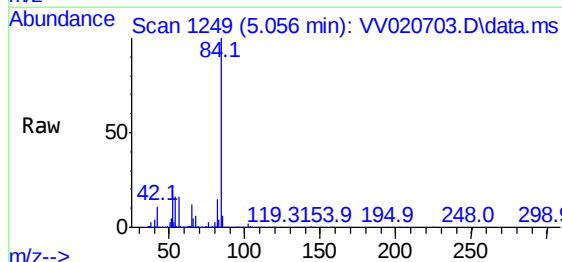
Acq: 22 Mar 2021 16:05

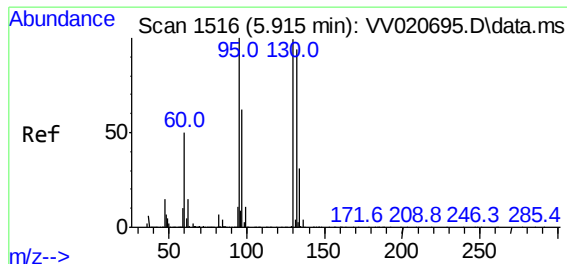
Tgt Ion: 62 Resp: 3524

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3



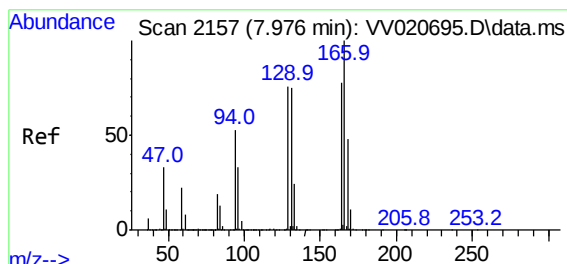
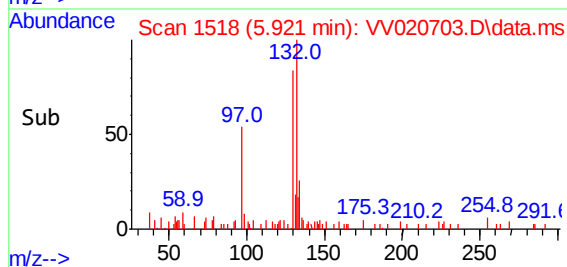
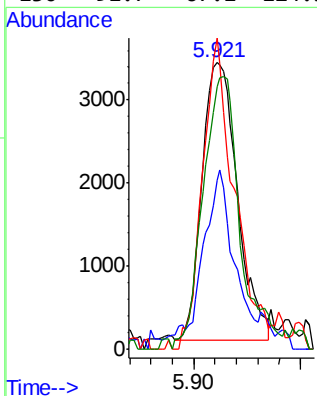
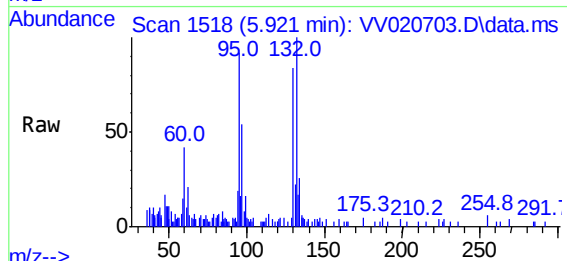


#34  
Trichloroethene  
Concen: 1.95 ug/L  
RT: 5.921 min Scan# 1518  
Delta R.T. 0.007 min  
Lab File: VV020703.D  
Acq: 22 Mar 2021 16:05

Instrument :  
MSVOA\_V  
ClientSampleID :  
BG4L4ME

Tgt Ion: 95 Resp: 7648

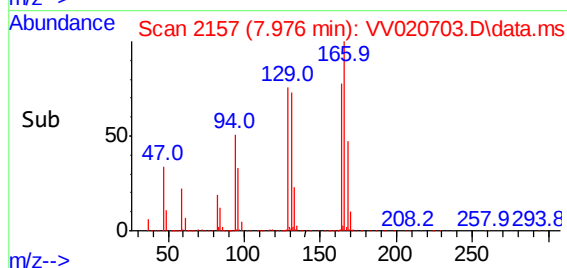
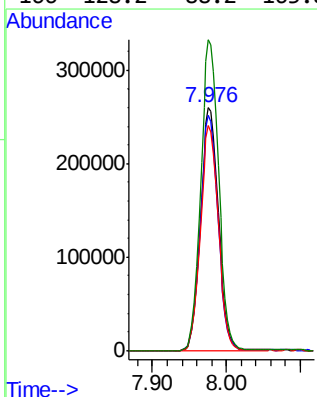
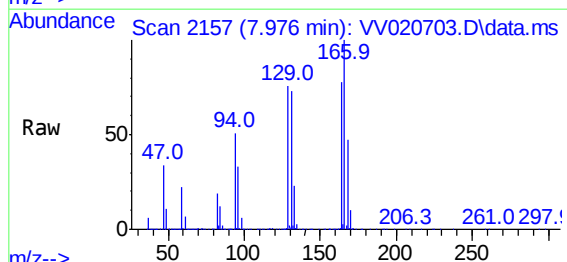
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 59.1  | 44.5  | 82.7  |
| 132 | 108.6 | 63.4  | 117.8 |
| 130 | 91.7  | 67.1  | 124.5 |

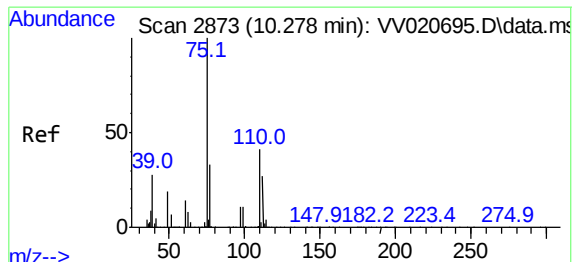


#46  
Tetrachloroethene  
Concen: 172.96 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV020703.D  
Acq: 22 Mar 2021 16:05

Tgt Ion: 164 Resp: 435359

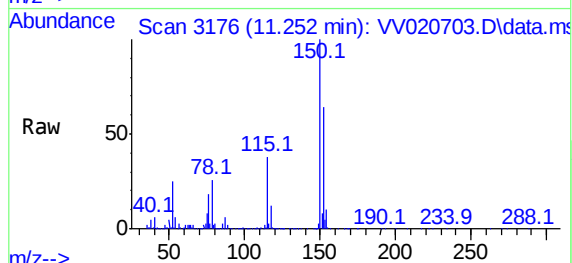
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.2  | 70.6  | 131.0 |
| 131 | 93.1  | 66.8  | 124.0 |
| 166 | 128.2 | 88.2  | 163.8 |





#59  
 1,2,3-Trichloropropane  
 Concen: 6.40 ug/L  
 RT: 11.252 min Scan# 3176  
 Delta R.T. 0.974 min  
 Lab File: VV020703.D  
 Acq: 22 Mar 2021 16:05

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4L4ME



Tgt Ion: 75 Resp: 29454  
 Ion Ratio Lower Upper  
 75 100  
 77 37.7 25.4 38.0

