

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031821\  
 Data File : VW020675.D  
 Acq On : 18 Mar 2021 14:53  
 Operator : SY/MD  
 Sample : M1698-12DL 10X  
 Misc : 5.99g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4L0DL

Quant Time: Mar 19 04:02:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM031321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 19 03:58:36 2021  
 Response via : Initial Calibration

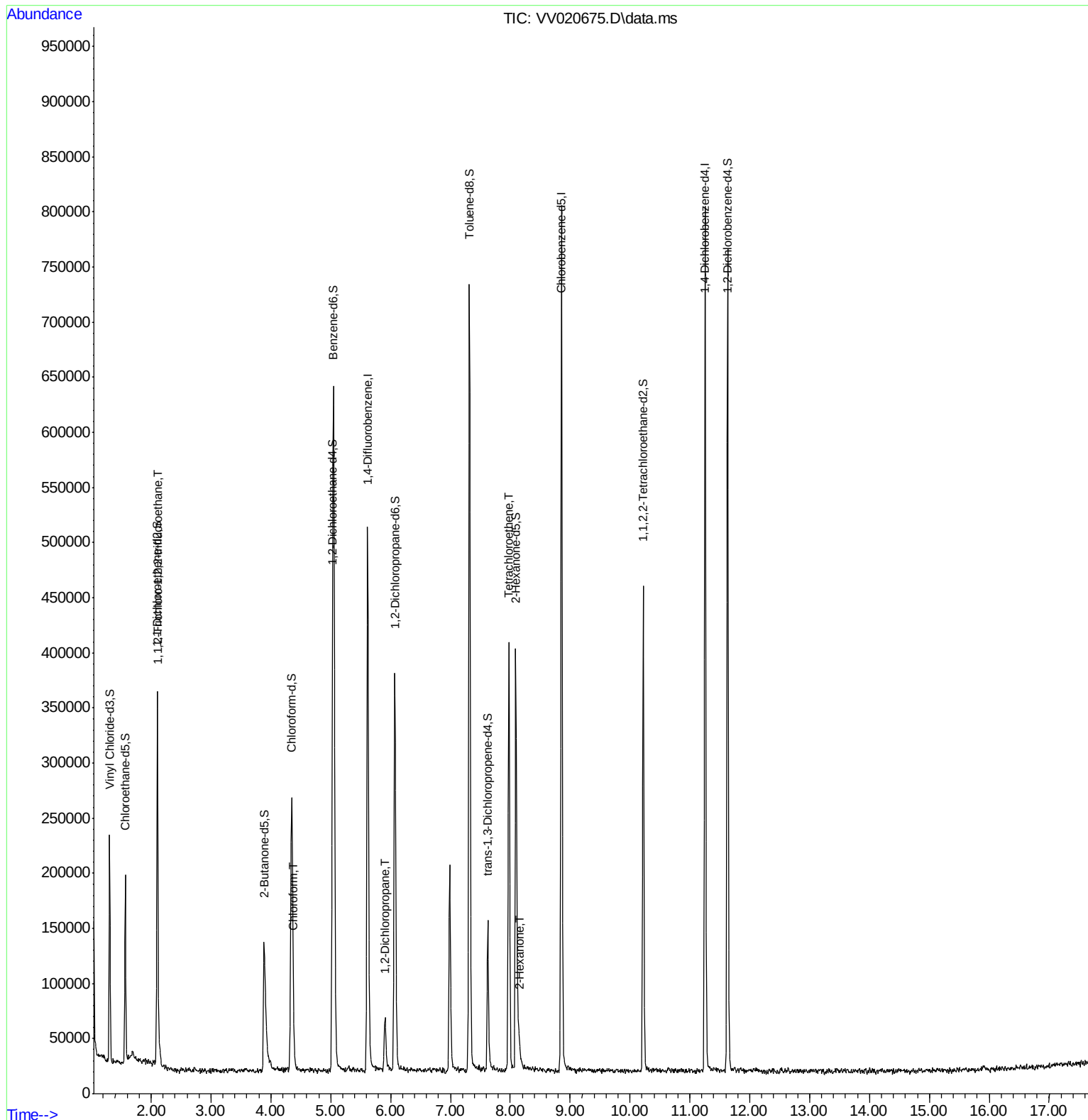
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 411375     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 396847     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 180203     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 126217     | 38.04   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.08%  |        |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 97122      | 36.58   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 73.16%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 181726     | 28.81   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 57.62%# |        |          |
| 21) 2-Butanone-d5             | 3.886          | 46   | 217016     | 101.90  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 101.90% |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 252796     | 43.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.66%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.031          | 65   | 177609     | 46.67   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.34%  |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 506996     | 46.24   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.48%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 165673     | 47.23   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.46%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 436191     | 44.76   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.52%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 74894      | 45.68   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.36%  |        |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 126881     | 96.67   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 96.67%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 204098     | 46.56   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.12%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.628         | 152  | 176574     | 50.57   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.14% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108          | 101  | 1989       | 0.69    | ug/L # | 23       |
| 25) Chloroform                | 4.375          | 83   | 5664       | 0.96    | ug/L   | 88       |
| 37) 1,2-Dichloropropane       | 5.905          | 63   | 2372       | 0.76    | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.979          | 164  | 79225      | 36.55   | ug/L   | 97       |
| 48) 2-Hexanone                | 8.146          | 43   | 12273      | 3.34    | ug/L # | 80       |
| -----                         |                |      |            |         |        |          |

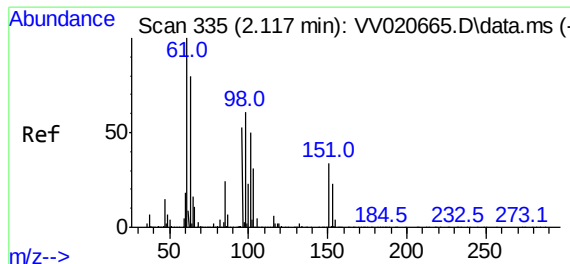
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031821\  
Data File : VV020675.D  
Acq On : 18 Mar 2021 14:53  
Operator : SY/MD  
Sample : M1698-12DL 10X  
Misc : 5.99g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4L0DL

Quant Time: Mar 19 04:02:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM031321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 19 03:58:36 2021  
Response via : Initial Calibration

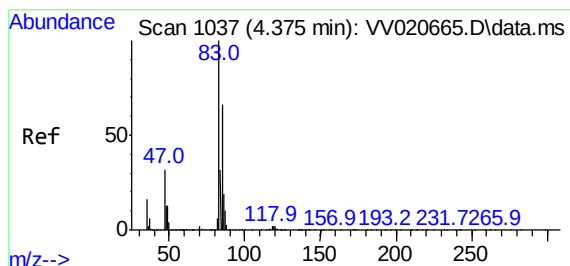
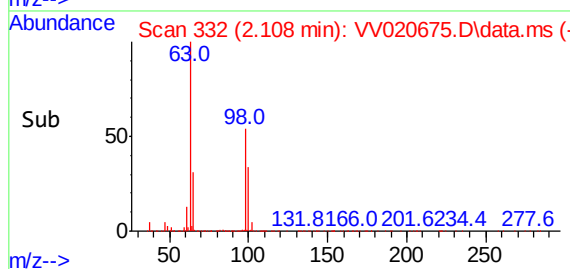
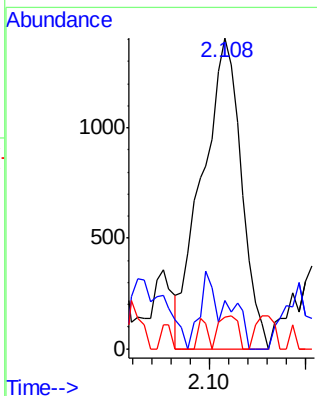
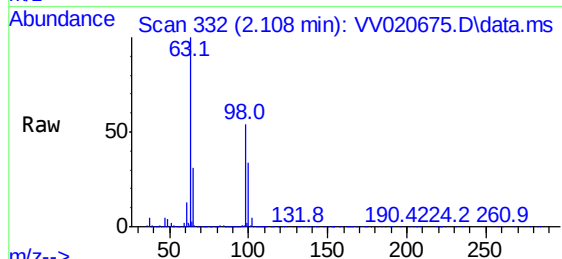




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.69 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.009 min  
Lab File: VV020675.D  
Acq: 18 Mar 2021 14:53

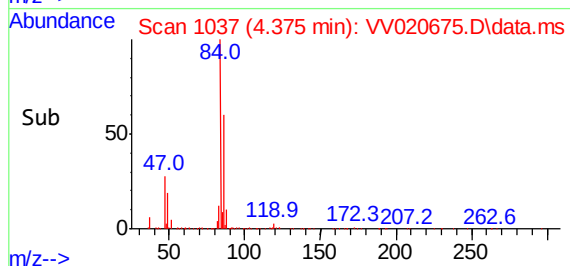
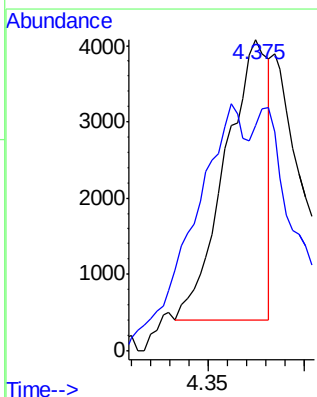
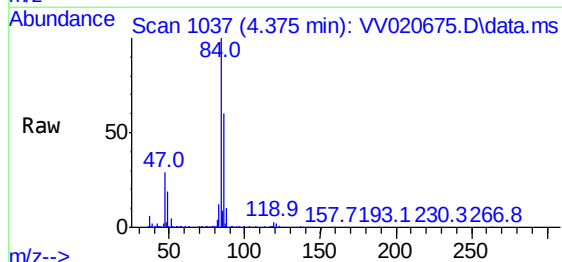
Instrument :  
MSVOA\_V  
ClientSampled :  
BG4L0DL

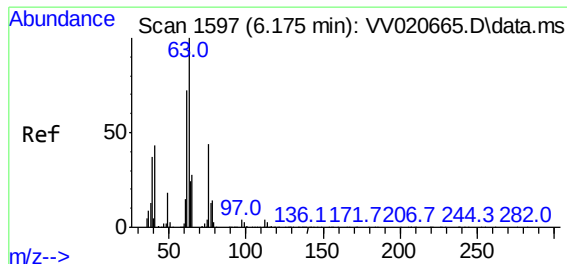
Tgt Ion:101 Resp: 1989  
Ion Ratio Lower Upper  
101 100  
85 1.4 35.3 52.9#  
151 0.0 53.6 80.4#



#25  
Chloroform  
Concen: 0.96 ug/L  
RT: 4.375 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VV020675.D  
Acq: 18 Mar 2021 14:53

Tgt Ion: 83 Resp: 5664  
Ion Ratio Lower Upper  
83 100  
85 72.5 44.2 82.2

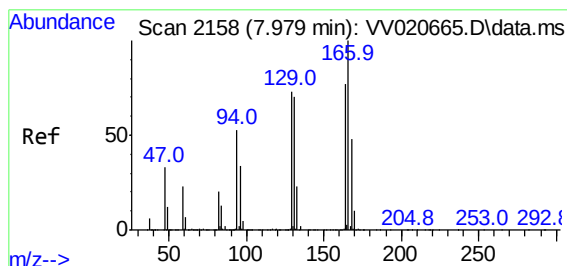
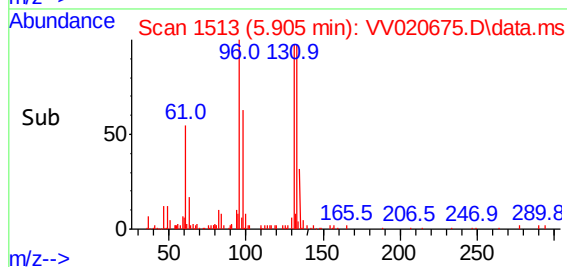
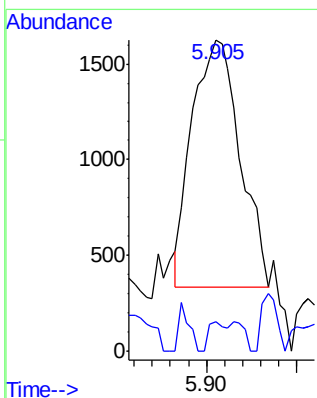
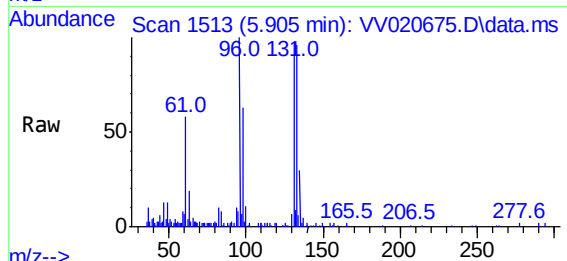




#37  
1,2-Dichloropropane  
Concen: 0.76 ug/L  
RT: 5.905 min Scan# 1513  
Delta R.T. -0.270 min  
Lab File: VV020675.D  
Acq: 18 Mar 2021 14:53

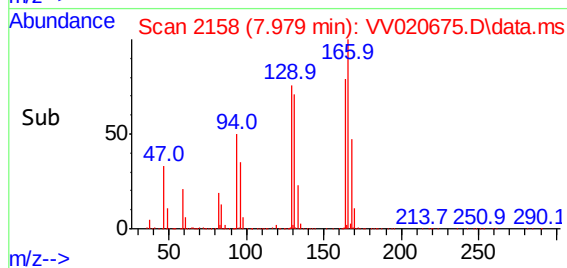
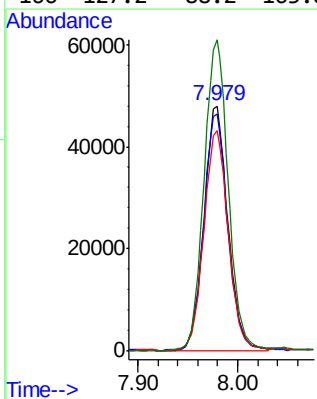
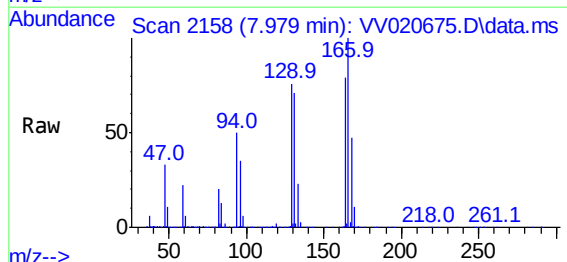
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4L0DL

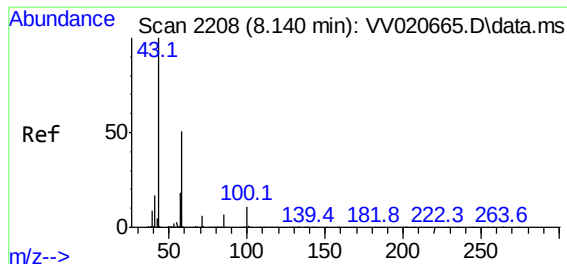
Tgt Ion: 63 Resp: 2372  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.3 4.9



#46  
Tetrachloroethene  
Concen: 36.55 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VV020675.D  
Acq: 18 Mar 2021 14:53

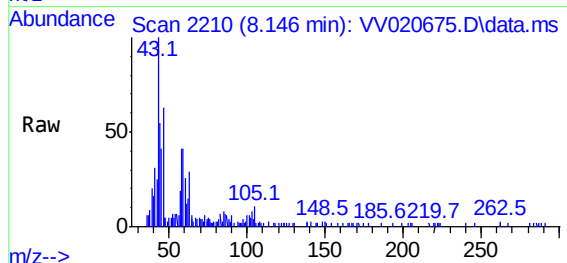
Tgt Ion: 164 Resp: 79225  
Ion Ratio Lower Upper  
164 100  
129 96.8 70.6 131.0  
131 90.1 66.8 124.0  
166 127.2 88.2 163.8





#48  
 2-Hexanone  
 Concen: 3.34 ug/L  
 RT: 8.146 min Scan# 2210  
 Delta R.T. 0.007 min  
 Lab File: VV020675.D  
 Acq: 18 Mar 2021 14:53

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4L0DL



Tgt Ion: 43 Resp: 12273

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 35.7  | 41.8  | 62.6# |
| 57  | 13.3  | 15.0  | 22.4# |
| 100 | 3.3   | 8.9   | 13.3# |

