

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\  
 Data File : VW016223.D  
 Acq On : 17 Aug 2020 17:10  
 Operator : SY/VA  
 Sample : L3702-16  
 Misc : 5.65G/10ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWQ0

Quant Time: Aug 18 03:23:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 18 03:20:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 429912   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 385208   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 168162   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 92413    | 17.34    | ug/L | -0.01  |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.36% |
| 7) Chloroethane-d5             | 2.90   | 69    | 74279    | 18.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.44% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 160718   | 14.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.80% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 46635    | 33.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.50% |
| 24) Chloroform-d               | 7.65   | 84    | 232063   | 20.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.44% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 113221   | 18.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 73.92% |
| 29) Benzene-d6                 | 8.28   | 84    | 458179   | 21.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.44% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 132935   | 21.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.28% |
| 37) Toluene-d8                 | 10.33  | 98    | 412575   | 21.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 53694    | 19.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.56% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 38458    | 36.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.36% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 103002   | 20.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.12% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 142748   | 23.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.80% |

## Target Compounds

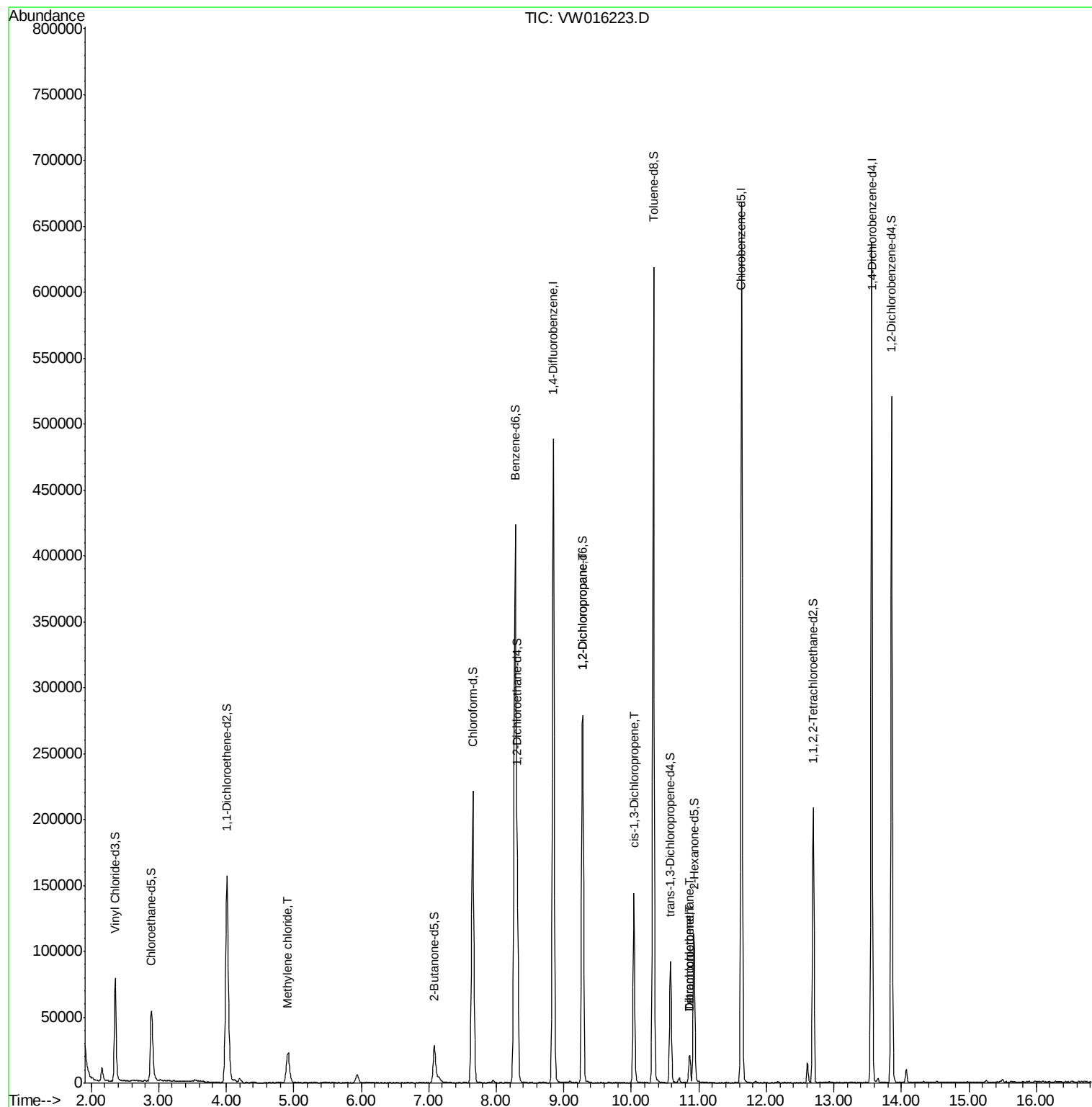
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 16) Methylene chloride      | 4.91  | 84  | 11058 | 1.629 ug/L   | 94     |
| 40) 1,2-Dichloropropane     | 9.28  | 63  | 14556 | 2.668 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 3505  | 0.422 ug/L # | 80     |
| 47) Tetrachloroethene       | 10.87 | 164 | 5099  | 1.139 ug/L   | 92     |
| 50) Dibromochloromethane    | 10.87 | 129 | 5043  | 0.997 ug/L # | 10     |

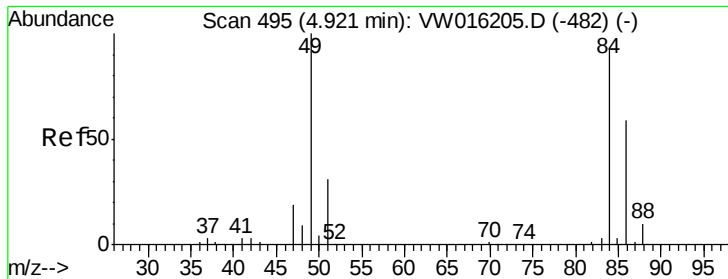
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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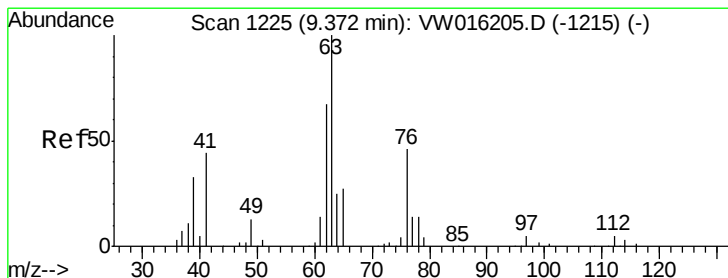
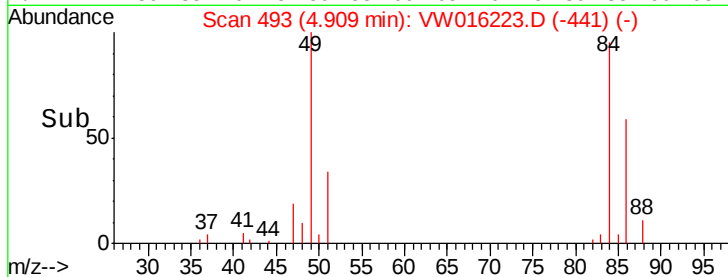
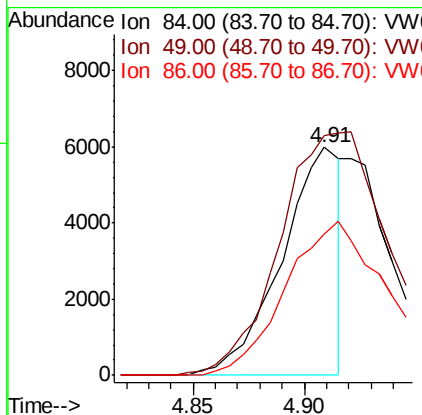
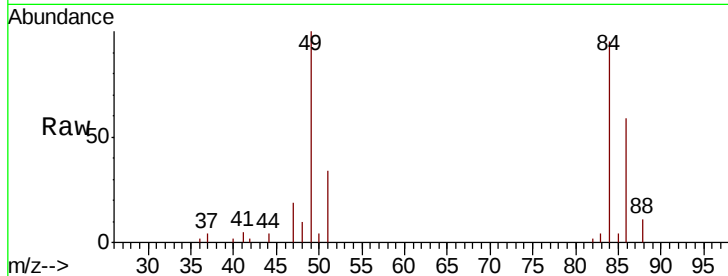




#16  
Methvlene chloride  
Concen: 1.629 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW016223.D  
Acq: 17 Aug 2020 17:10

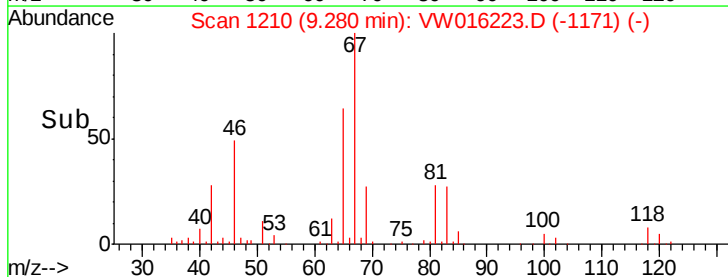
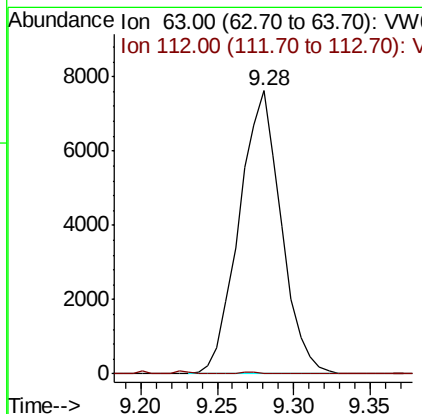
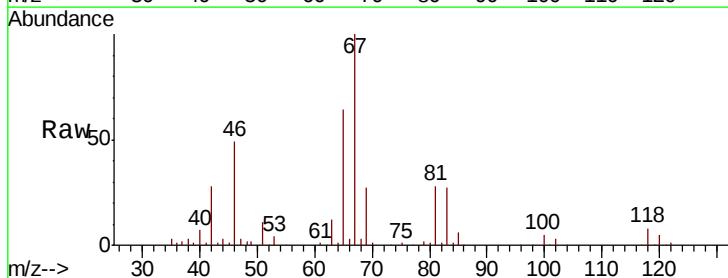
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFWQ0

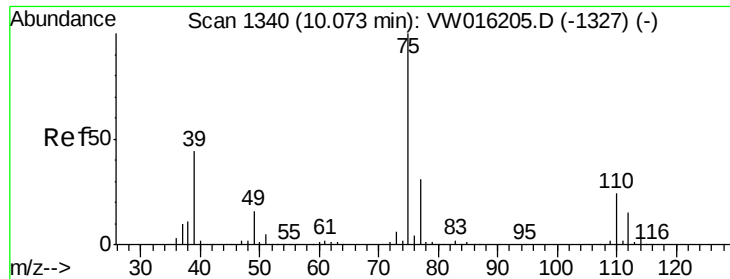
Tot Ion: 84 Resp: 11058  
Ion Ratio Lower Upper  
84 100  
49 105.1 80.4 149.4  
86 61.9 43.8 81.3



#40  
1,2-Dichloropropane  
Concen: 2.668 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.09 min  
Lab File: VW016223.D  
Acq: 17 Aug 2020 17:10

Tgt Ion: 63 Resp: 14556  
Ion Ratio Lower Upper  
63 100  
112 0.3 4.0 6.0#





#42

cis-1,3-Dichloropropene

Concen: 0.422 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016223.D

Acq: 17 Aug 2020 17:10

Instrument :

MSVOA\_W

ClientSampleId :

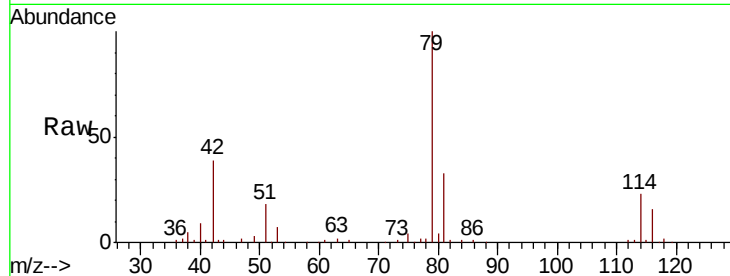
BFWQ0

Tot Ion: 75 Resp: 3505

Ion Ratio Lower Upper

75 100

77 43.9 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

2000

1500

1000

500

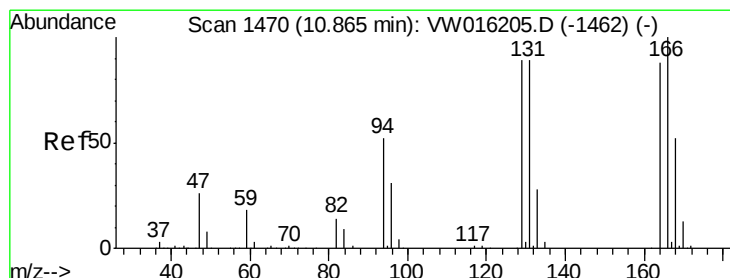
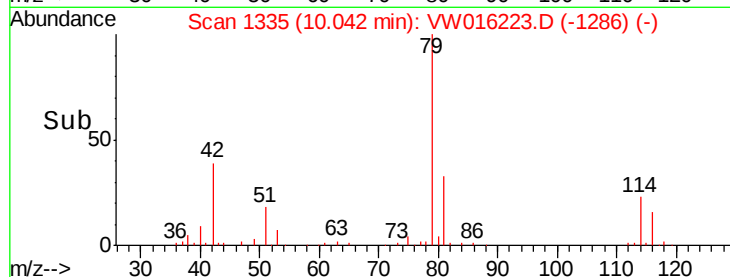
0

10.00

10.05

10.10

Time-->



#47

Tetrachloroethene

Concen: 1.139 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016223.D

Acq: 17 Aug 2020 17:10

Tgt Ion: 164 Resp: 5099

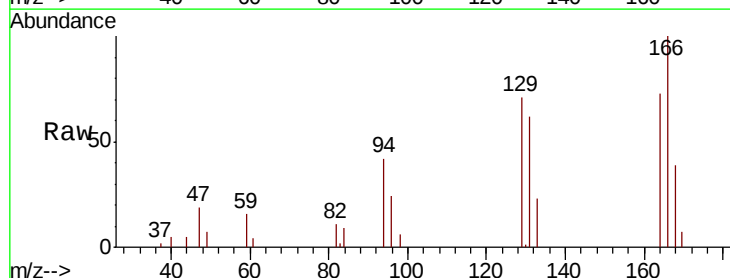
Ion Ratio Lower Upper

164 100

129 96.9 71.5 132.9

131 85.3 65.4 121.4

166 136.6 86.9 161.5



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

6000

5000

4000

3000

2000

1000

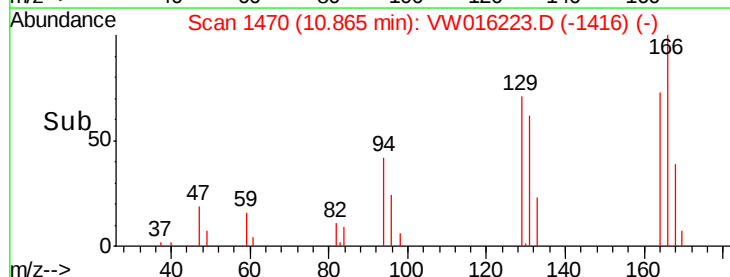
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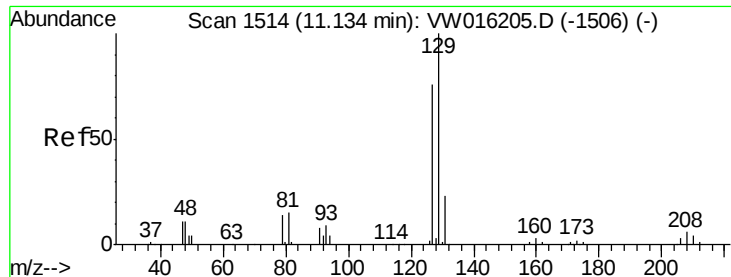
10.80

10.85

10.90

Time-->





#50

Dibromochloromethane

Concen: 0.997 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016223.D

Acq: 17 Aug 2020 17:10

Instrument :

MSVOA\_W

ClientSampleId :

BFWQ0

Tot Ion:129 Resp: 5043

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

