

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U113018\  
 Data File : VU028417.D  
 Acq On : 30 Nov 2018 12:50  
 Operator : MD/SY  
 Sample : J6077-06  
 Misc : 6.06g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9Y41

Manual Integrations  
 APPROVED

MMDadoda  
 12/3/2018 10:51:29 AM

Quant Time: Dec 01 04:25:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM113018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 30 23:11:27 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 399680   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 387380   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 198755   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 259152   | 72.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 144.94%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 227660m  | 82.93    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 165.86%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 355715   | 55.94    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 111.88%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 460350   | 156.86   | ug/L | 0.02     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 156.86%# |
| 24) Chloroform-d               | 4.64    | 84    | 425770   | 73.81    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 147.62%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 293126   | 74.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 149.24%# |
| 32) Benzene-d6                 | 5.33    | 84    | 908905   | 75.36    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 150.72%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 328566   | 75.51    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 151.02%# |
| 41) Toluene-d8                 | 7.56    | 98    | 815212   | 74.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 149.18%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 149766   | 76.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 152.46%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 352169   | 167.57   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 167.57%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 474683   | 85.34    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 170.68%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 320559   | 80.20    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 160.40%# |

## Target Compounds

| Target Compounds      | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|-----------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone           | 2.34  | 43   | 5058     | 1.657  | ug/L  | 92     |
| 29) Cyclohexane       | 4.98  | 56   | 55298    | 8.796  | ug/L  | 86     |
| 33) Benzene           | 5.38  | 78   | 228788   | 17.193 | ug/L  | 100    |
| 35) Methylcyclohexane | 6.41  | 83   | 107756   | 19.455 | ug/L  | 92     |
| 42) Toluene           | 7.64  | 91   | 87311    | 6.447  | ug/L  | 100    |
| 52) Ethylbenzene      | 9.25  | 91   | 73742    | 4.929  | ug/L  | 98     |
| 53) m,p-Xylene        | 9.38  | 106  | 59014    | 11.061 | ug/L  | 97     |
| 54) o-xylene          | 9.78  | 106  | 33772    | 6.391  | ug/L  | 97     |
| 56) Isopropylbenzene  | 10.17 | 105  | 13646    | 0.979  | ug/L  | 99     |

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

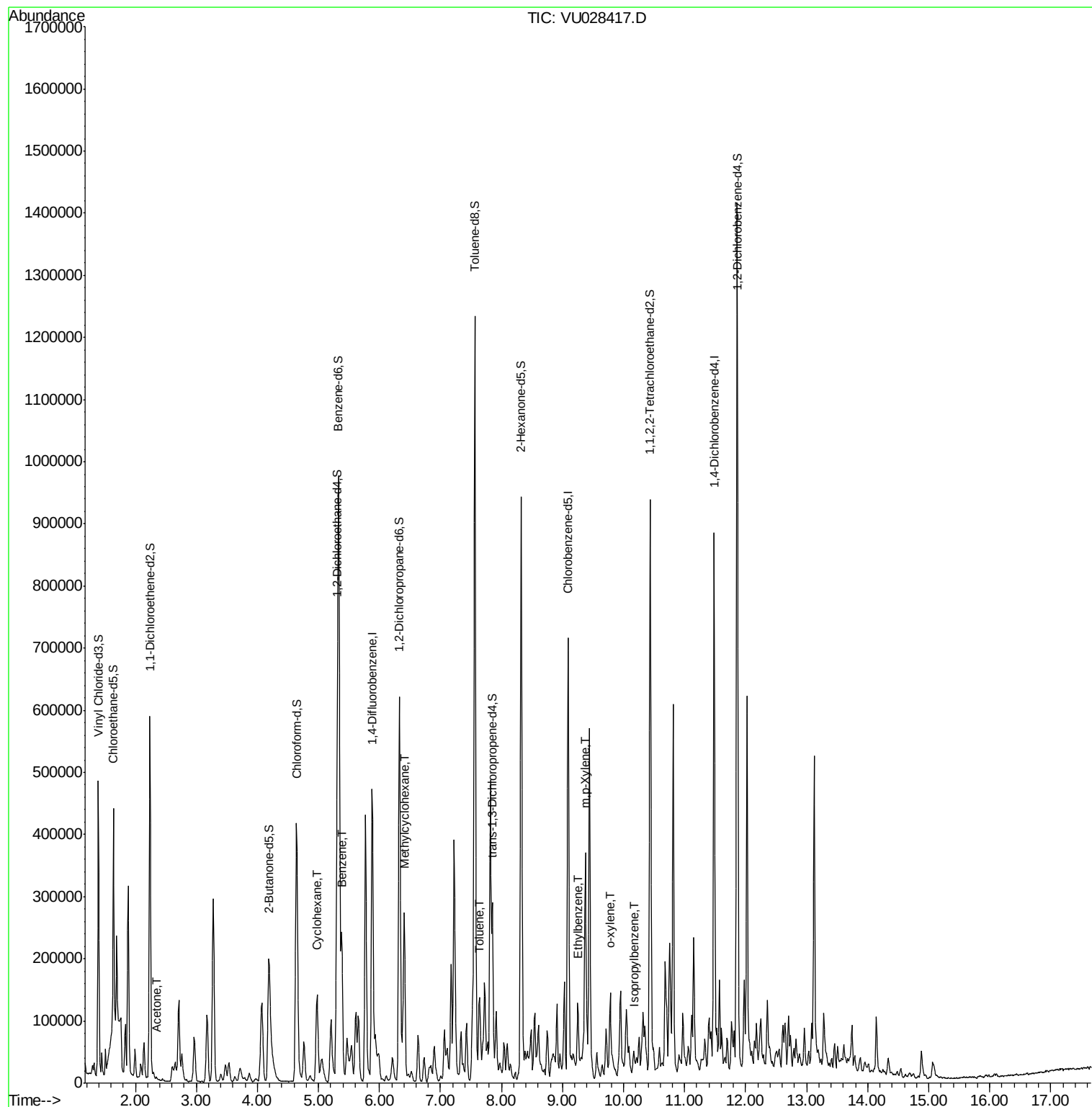
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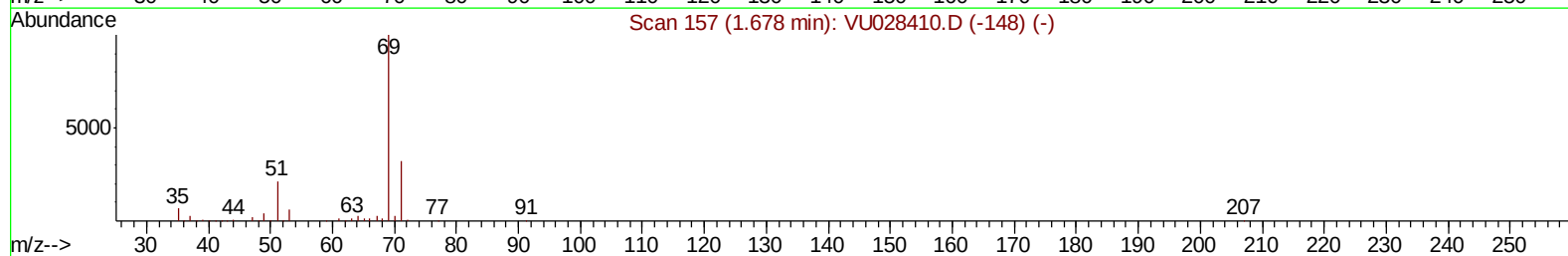
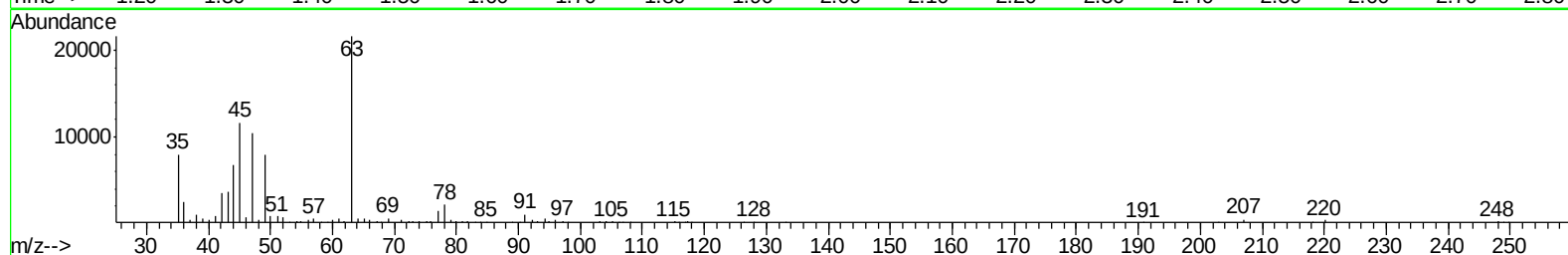
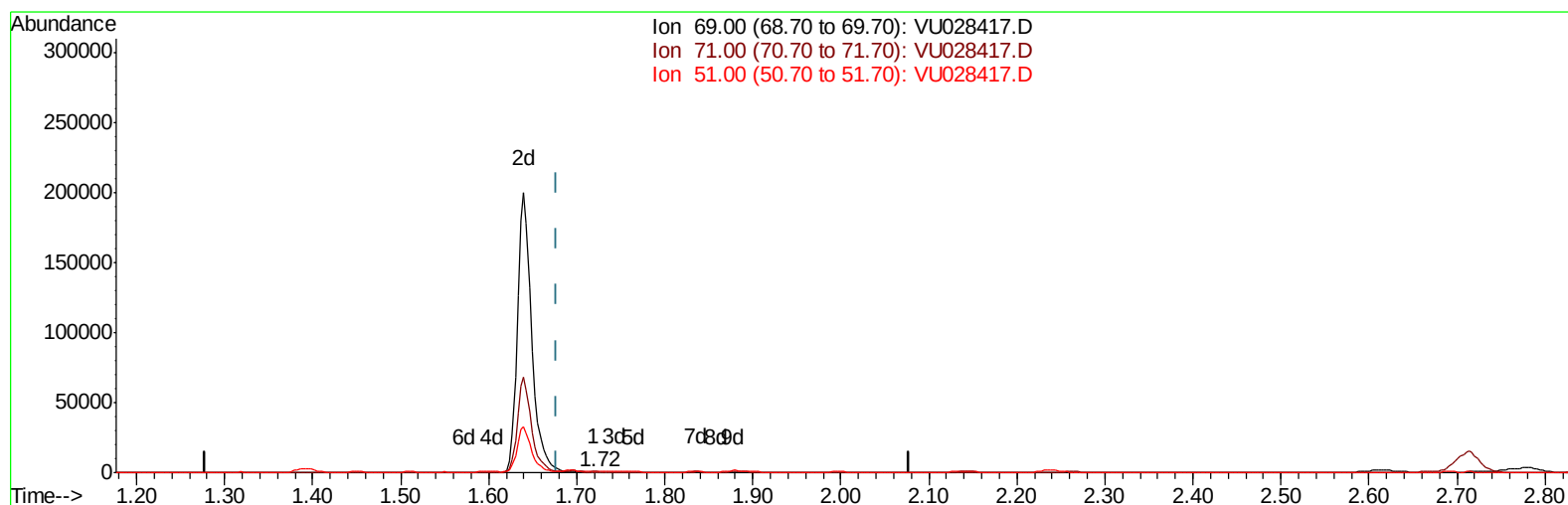
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TIC: VU028417.D

(7) Chloroethane-d5 (S)

1.720min (+0.042) 0.12ug/L

response 332

| Ion   | Exp%  | Act%    |
|-------|-------|---------|
| 69.00 | 100   | 100     |
| 71.00 | 31.70 | 339.46# |
| 51.00 | 28.20 | 324.40# |
| 0.00  | 0.00  | 0.00    |

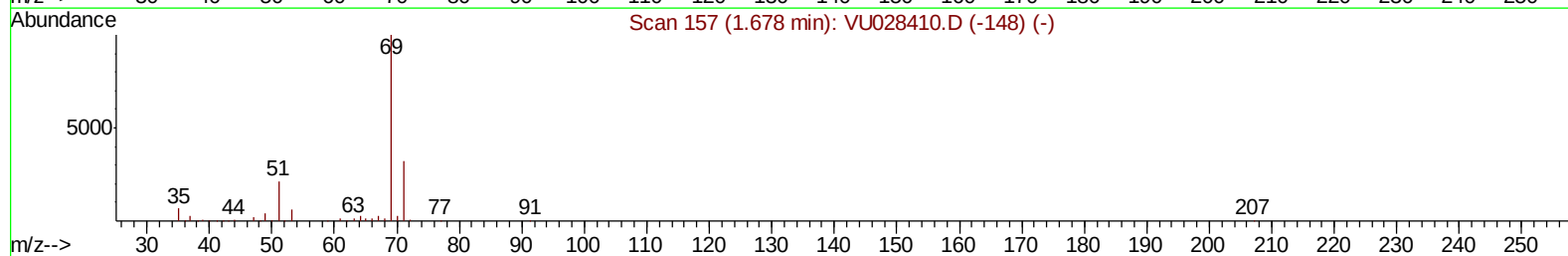
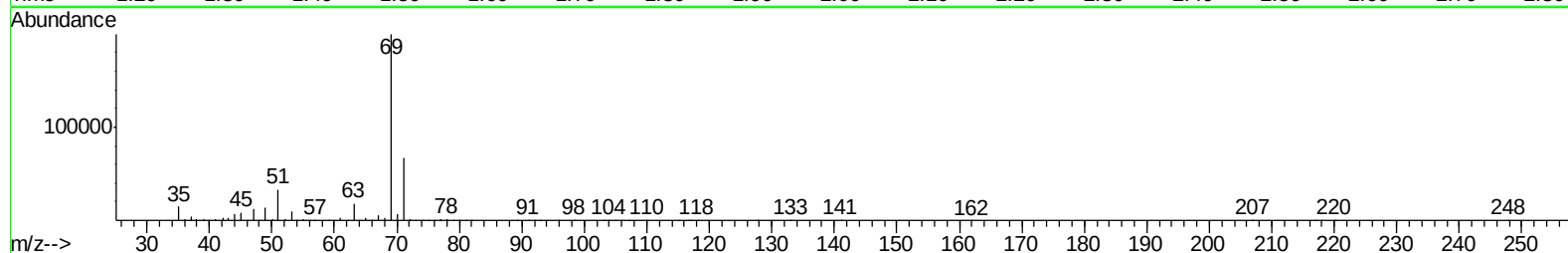
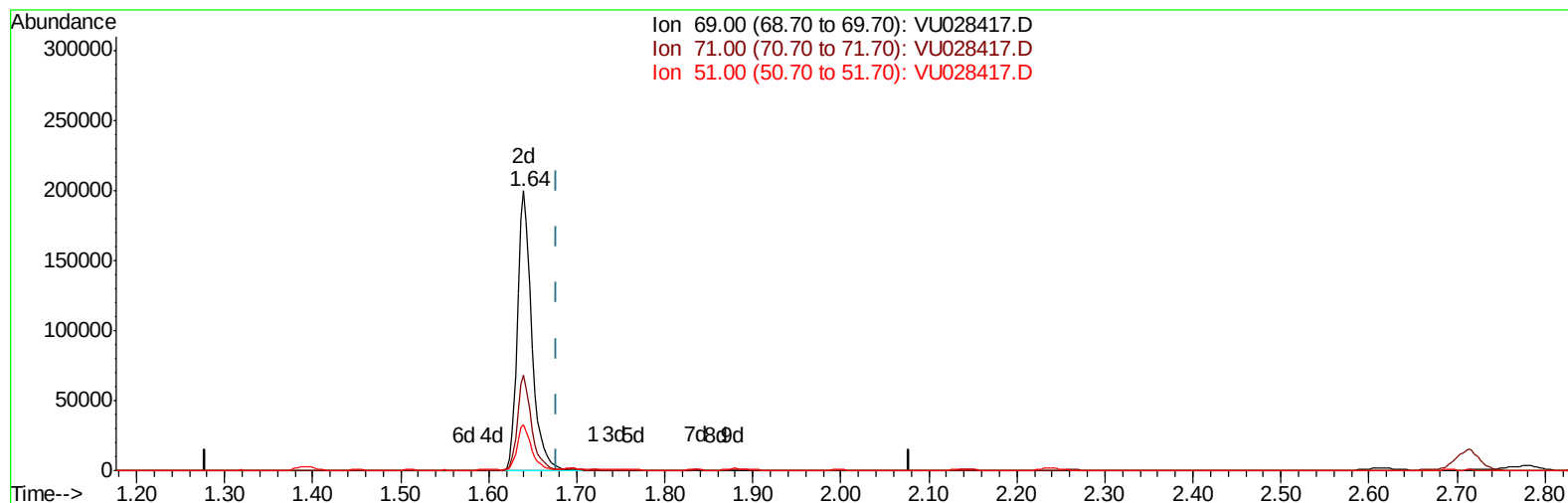
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(7) Chloroethane-d5 (S)

1.640min (-0.038) 82.93ug/L m

response 227660

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 69.00 | 100   | 100   |
| 71.00 | 31.70 | 0.50# |
| 51.00 | 28.20 | 0.47# |
| 0.00  | 0.00  | 0.00  |