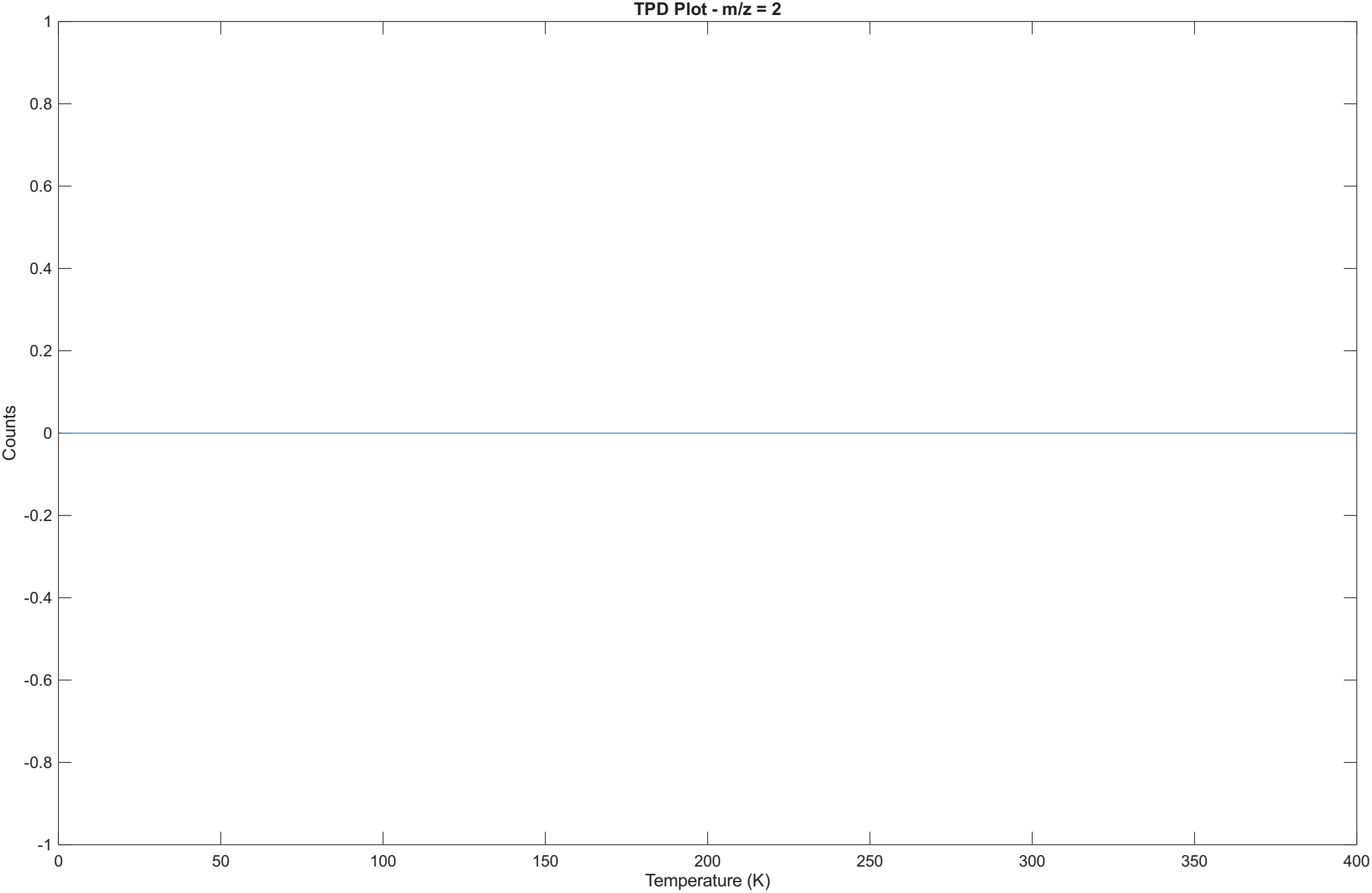
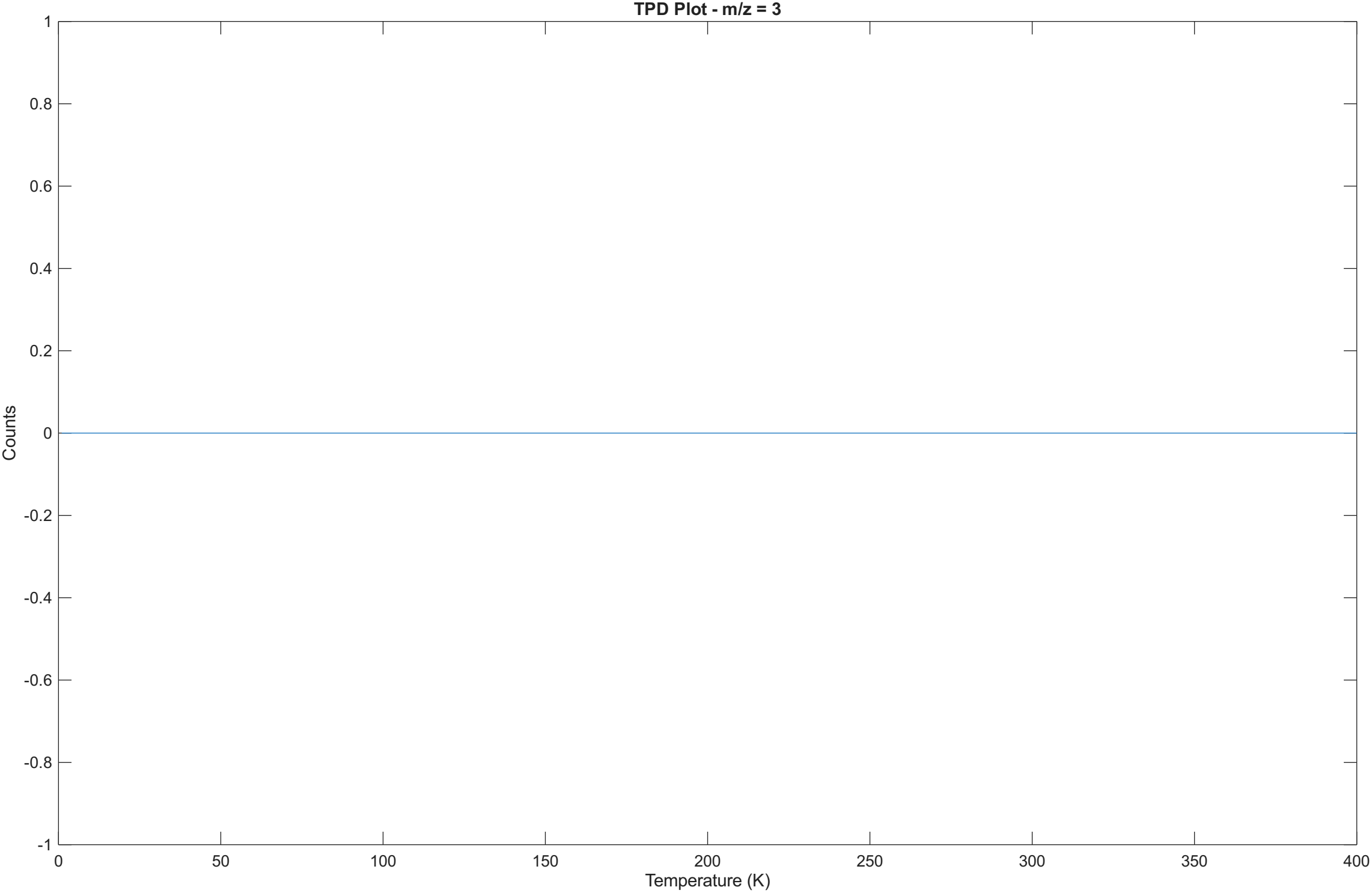
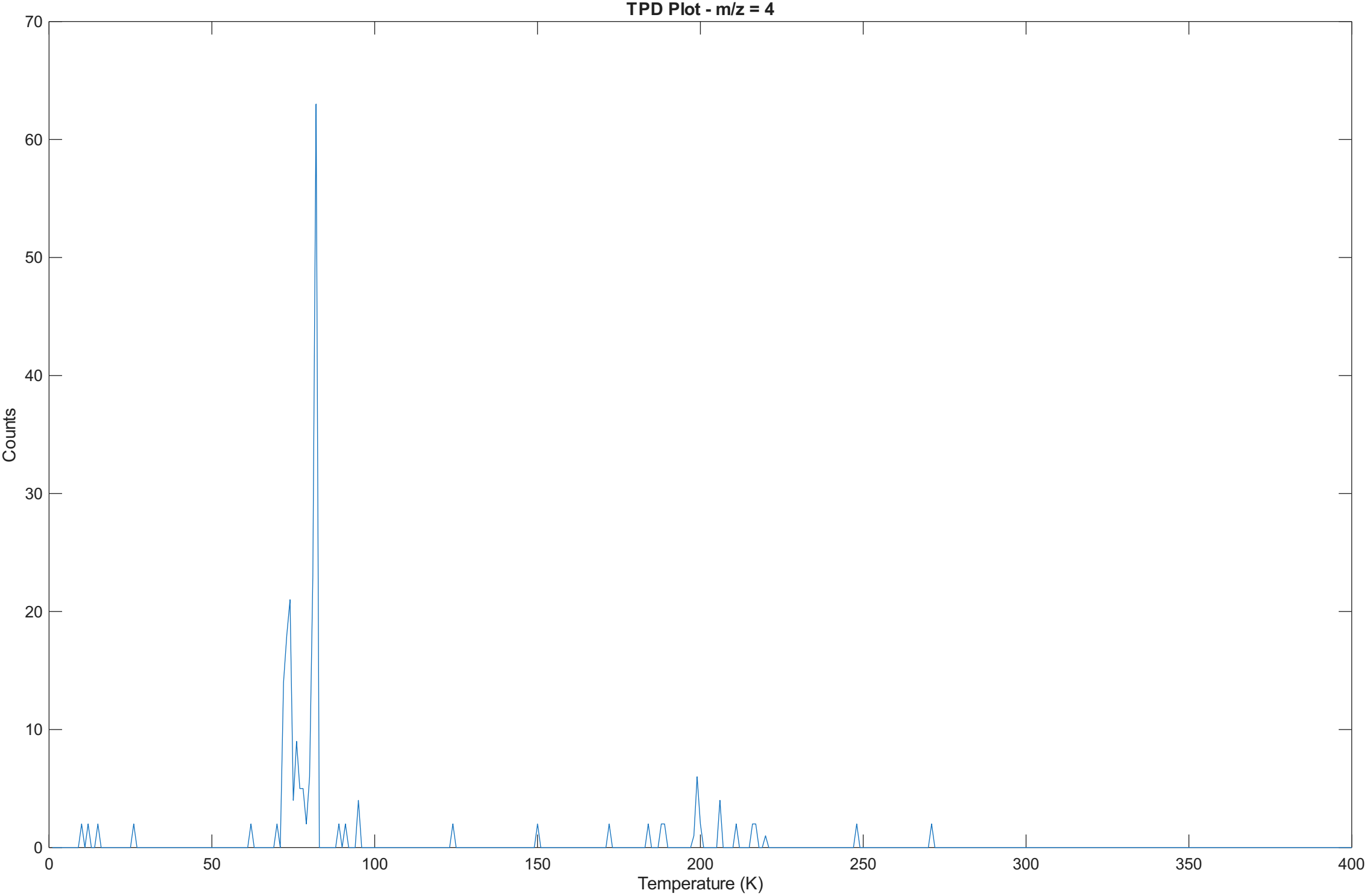
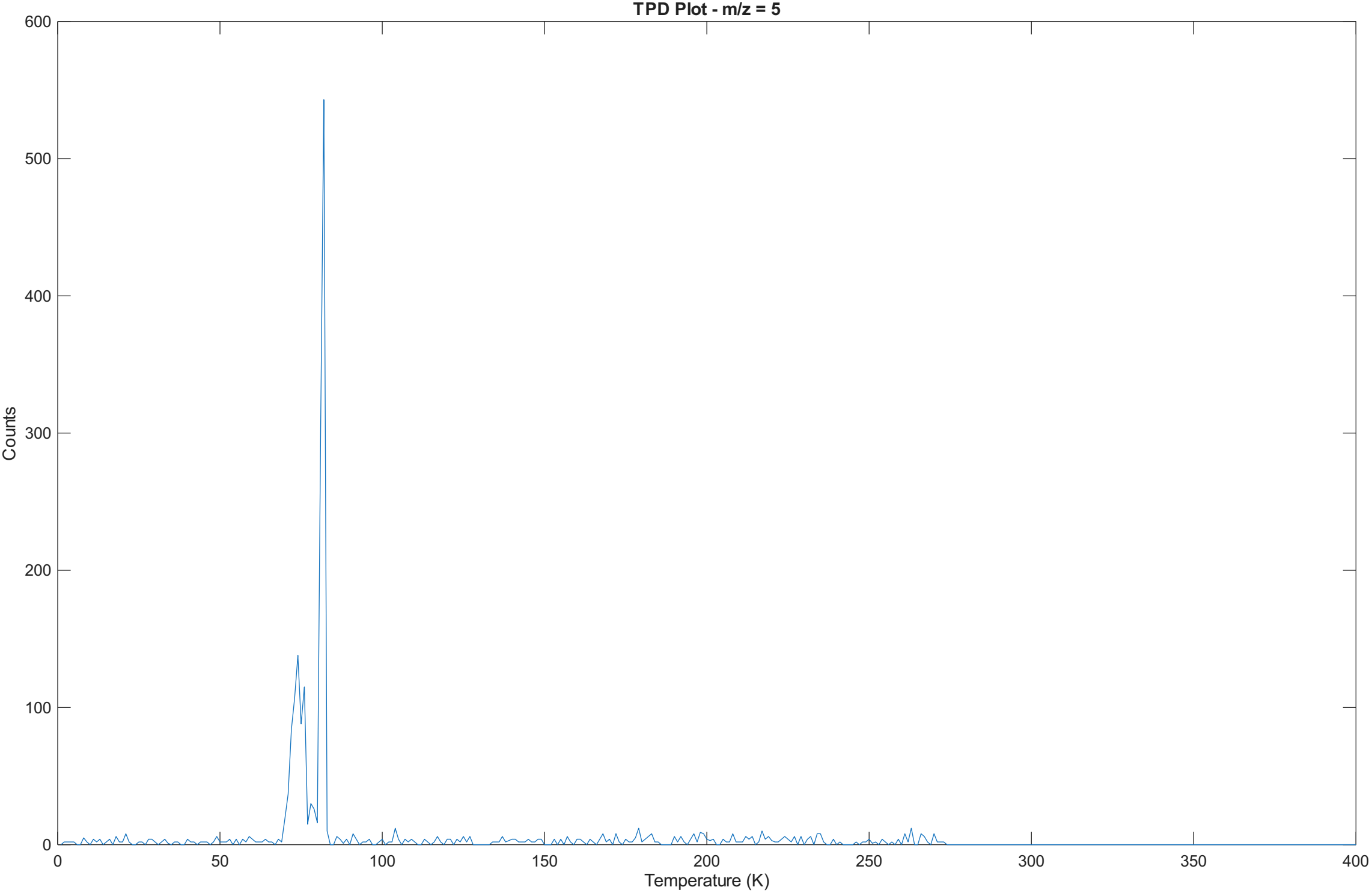
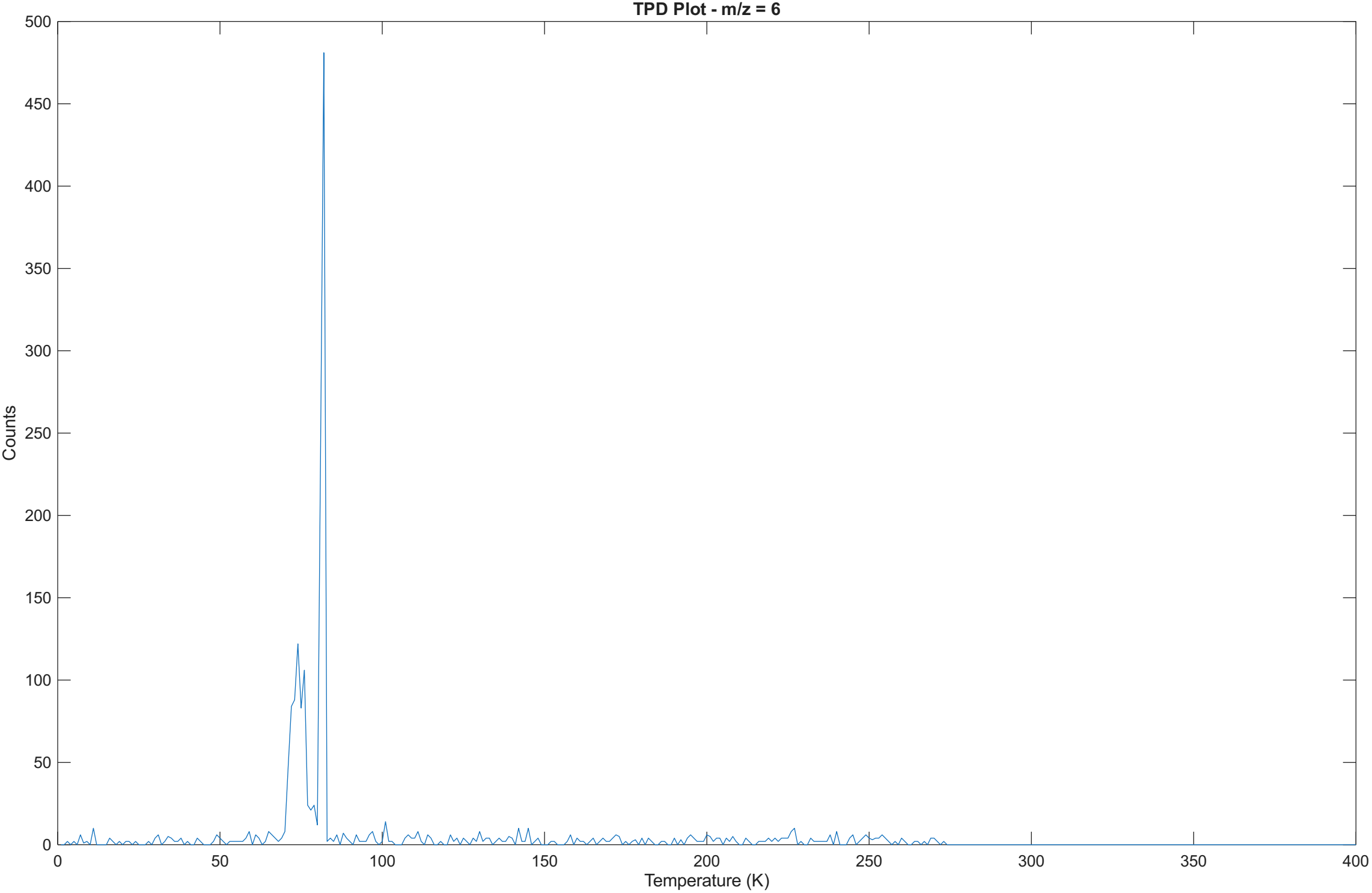
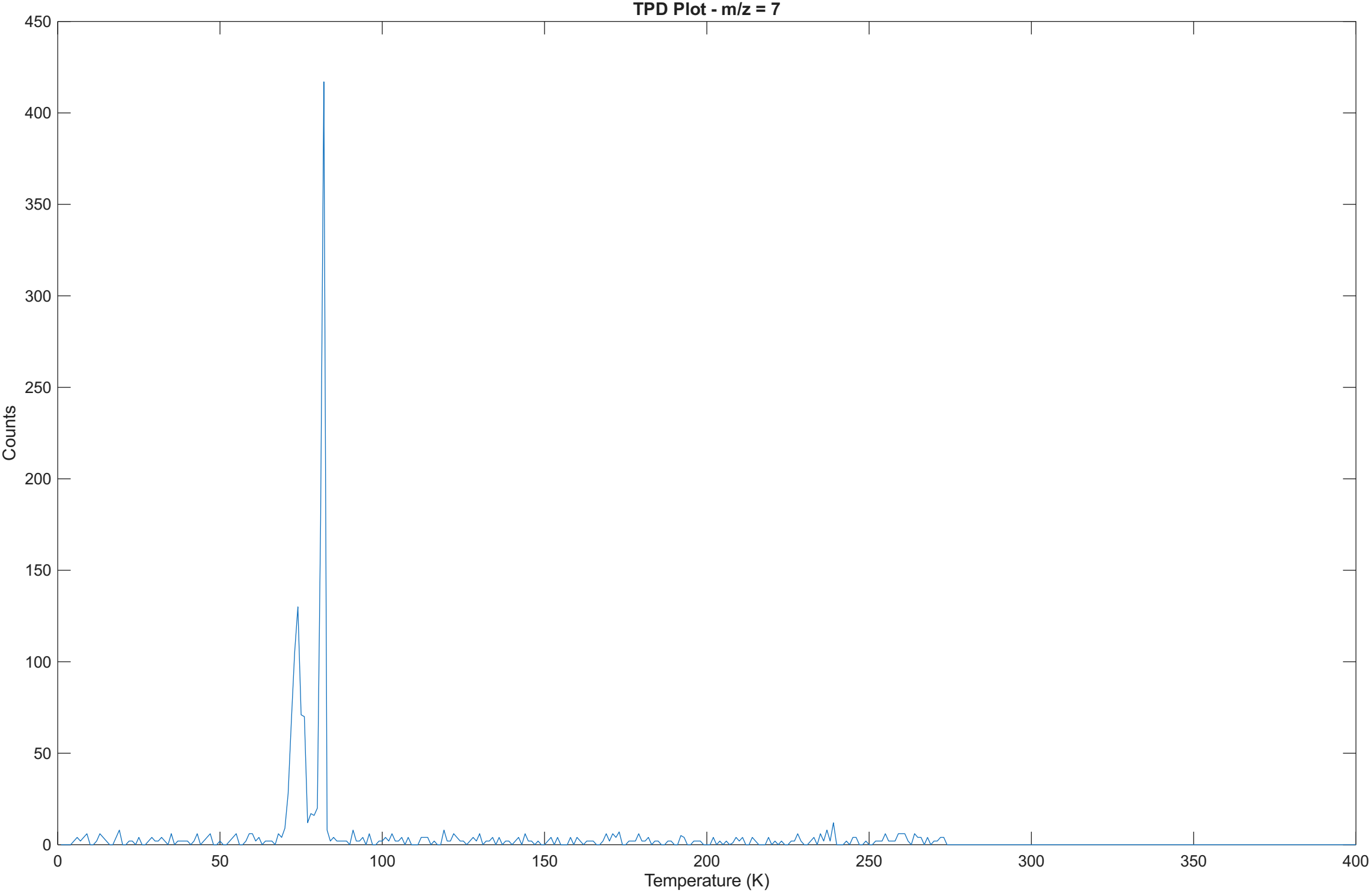

TPD Plot - m/z = 2
Counts
Temperature (K)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
50
100
150
200
250
300
350
400

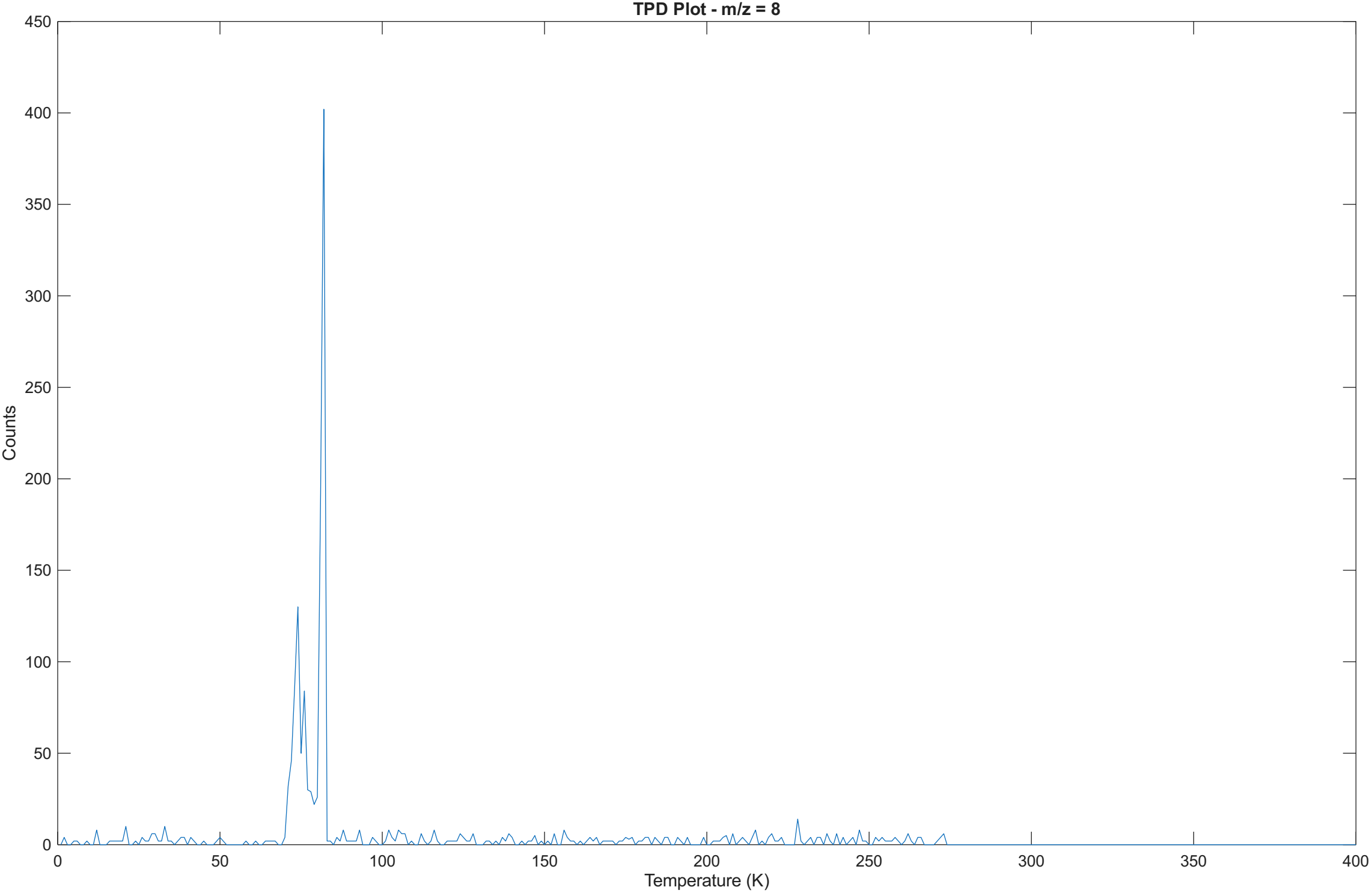

TPD Plot - m/z = 3
Counts
Temperature (K)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
50
100
150
200
250
300
350
400

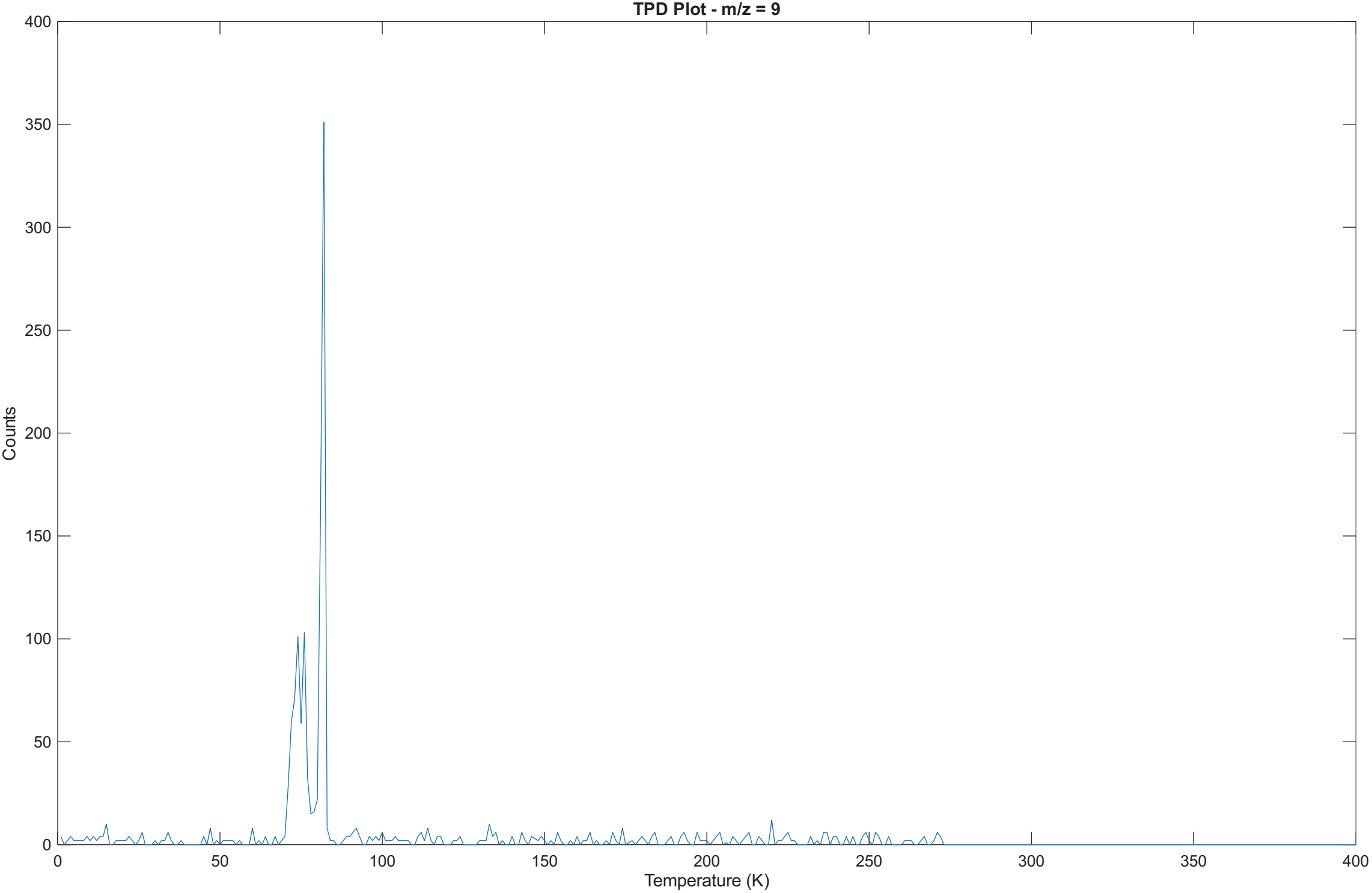

TPD Plot - m/z = 4
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

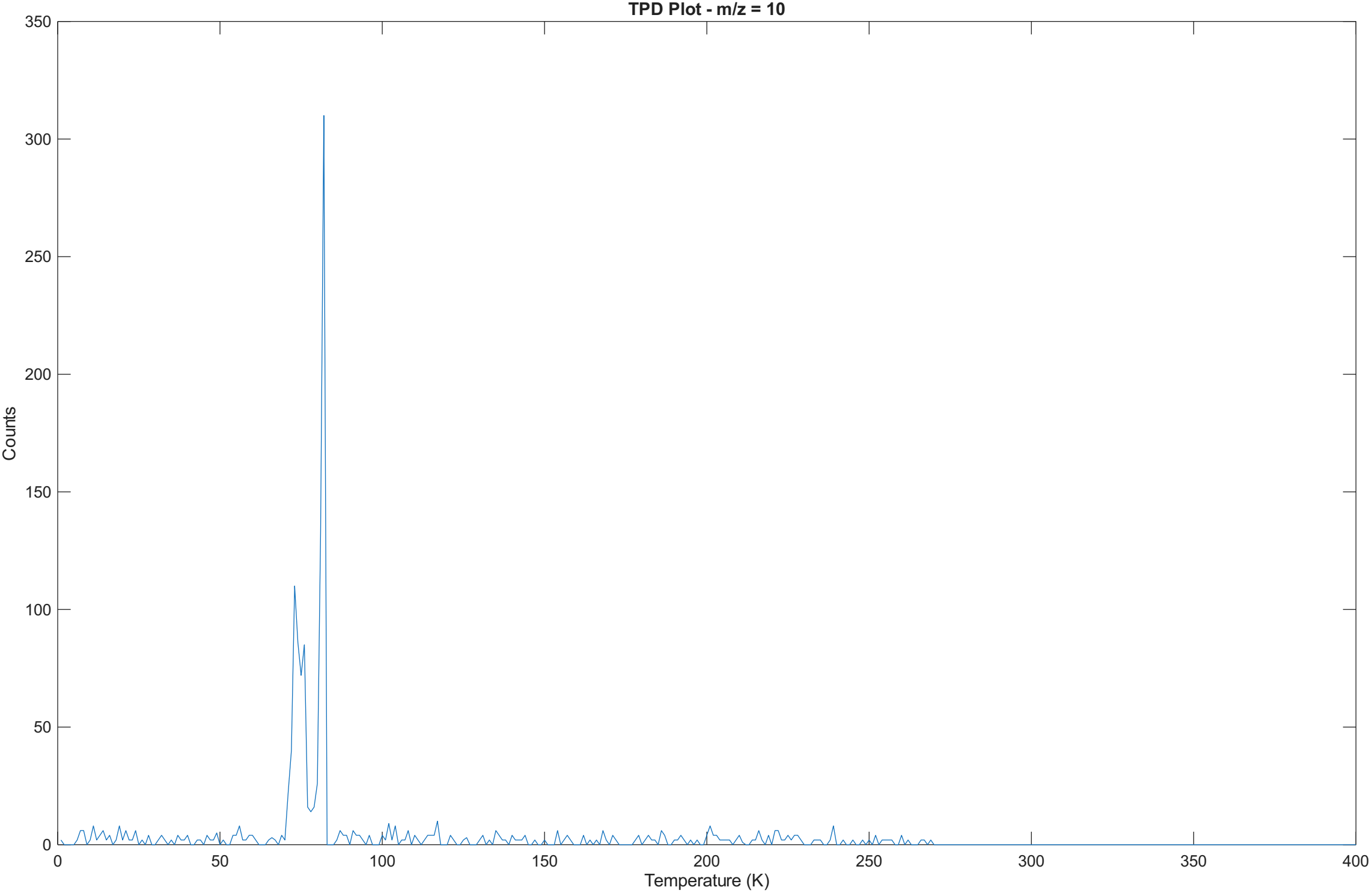

TPD Plot - m/z = 5
Counts
Temperature (K)
0
100
200
300
400
500
600
0
50
100
150
200
250
300
350
400

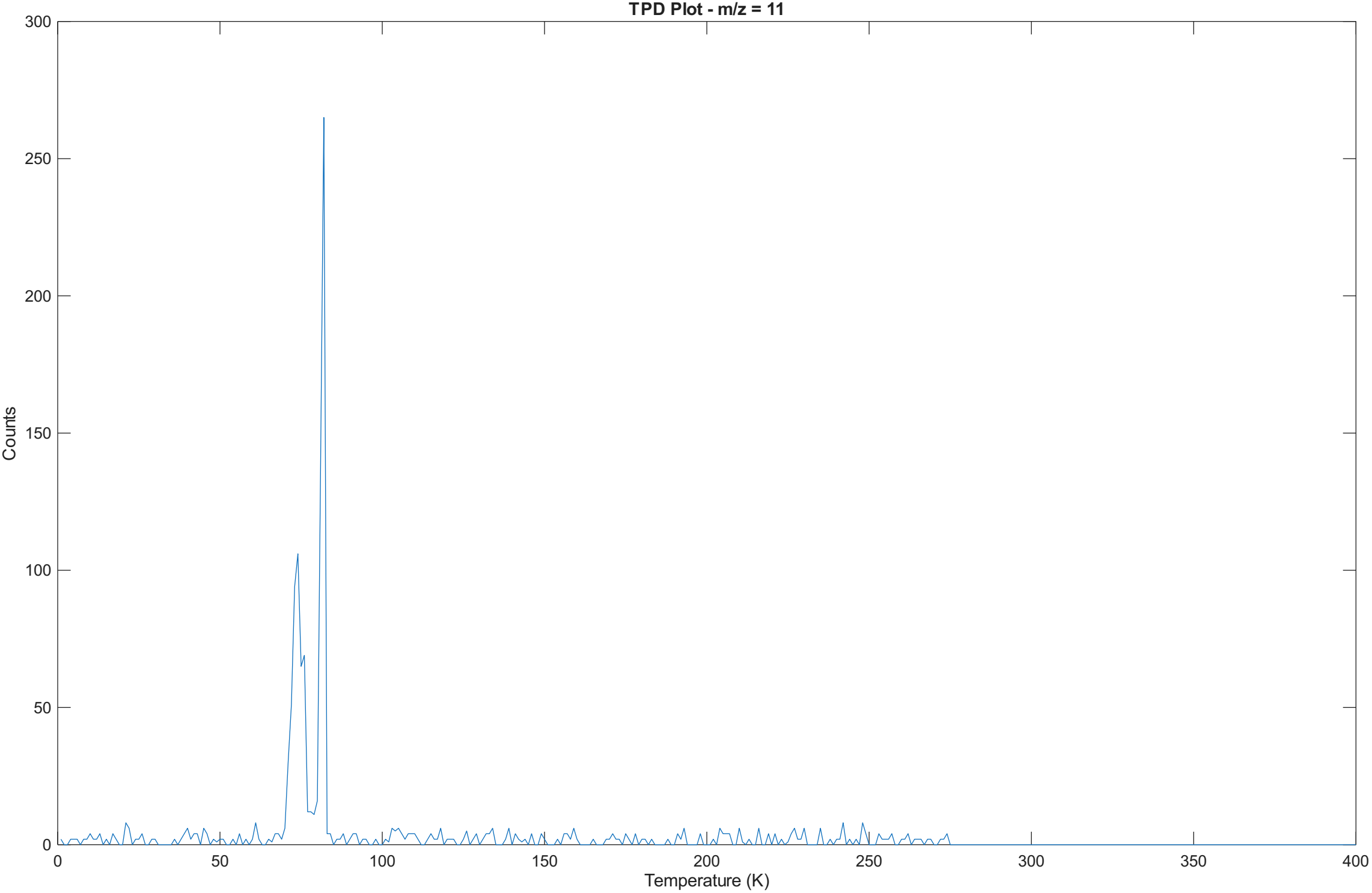

TPD Plot - m/z = 6
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400
450
500

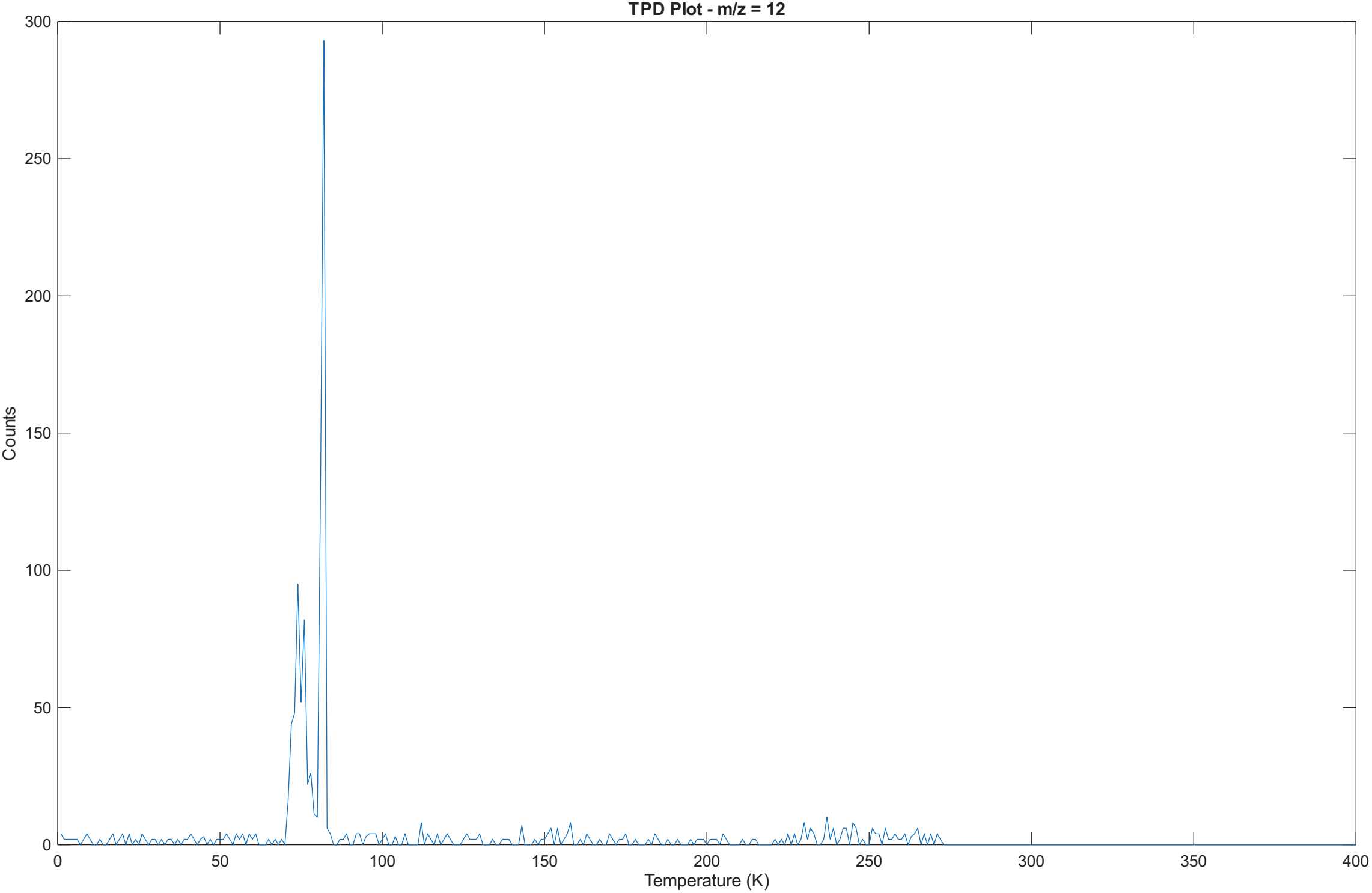

TPD Plot - m/z = 7
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400
450

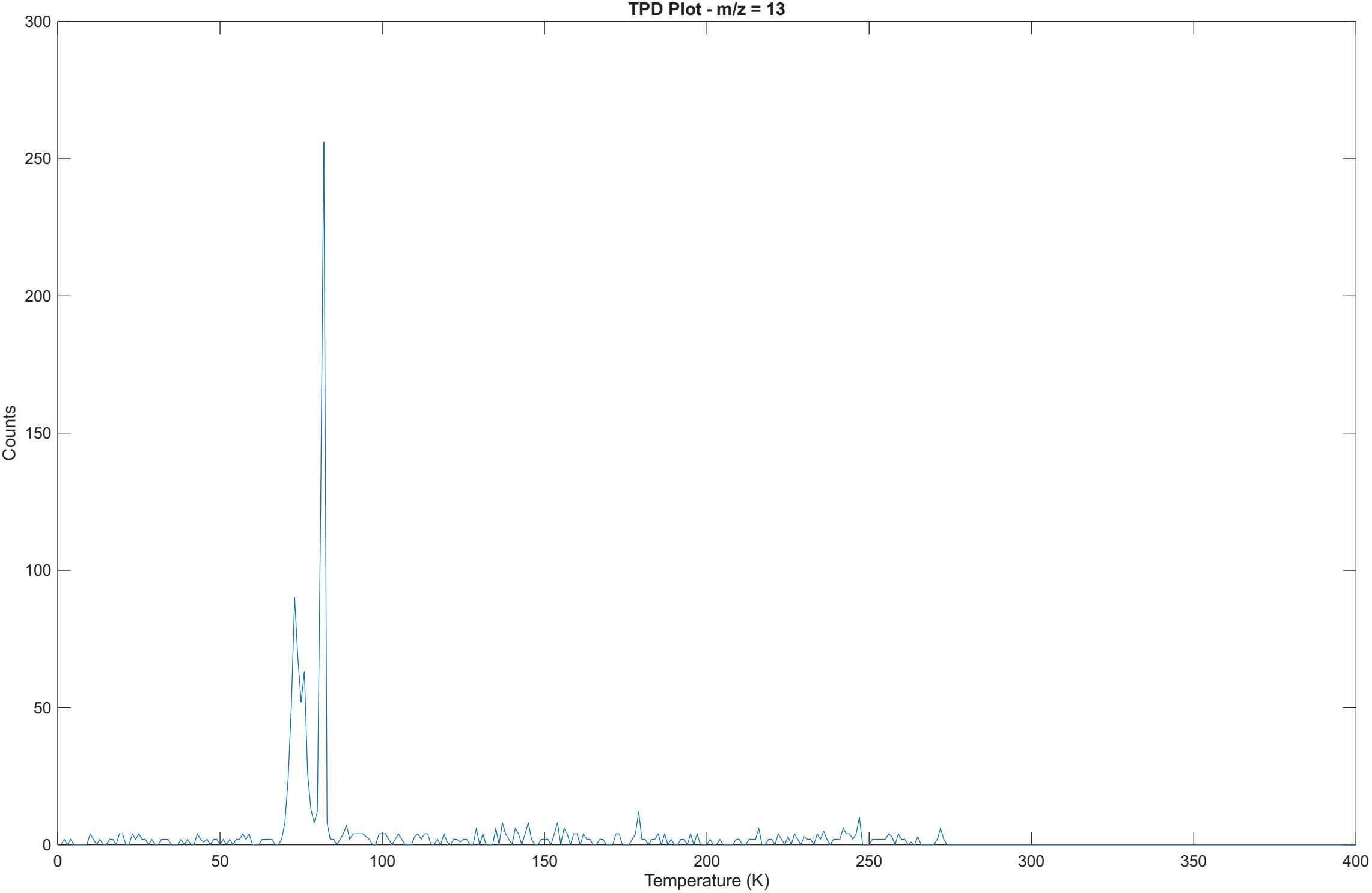

TPD Plot - m/z = 8
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400
450

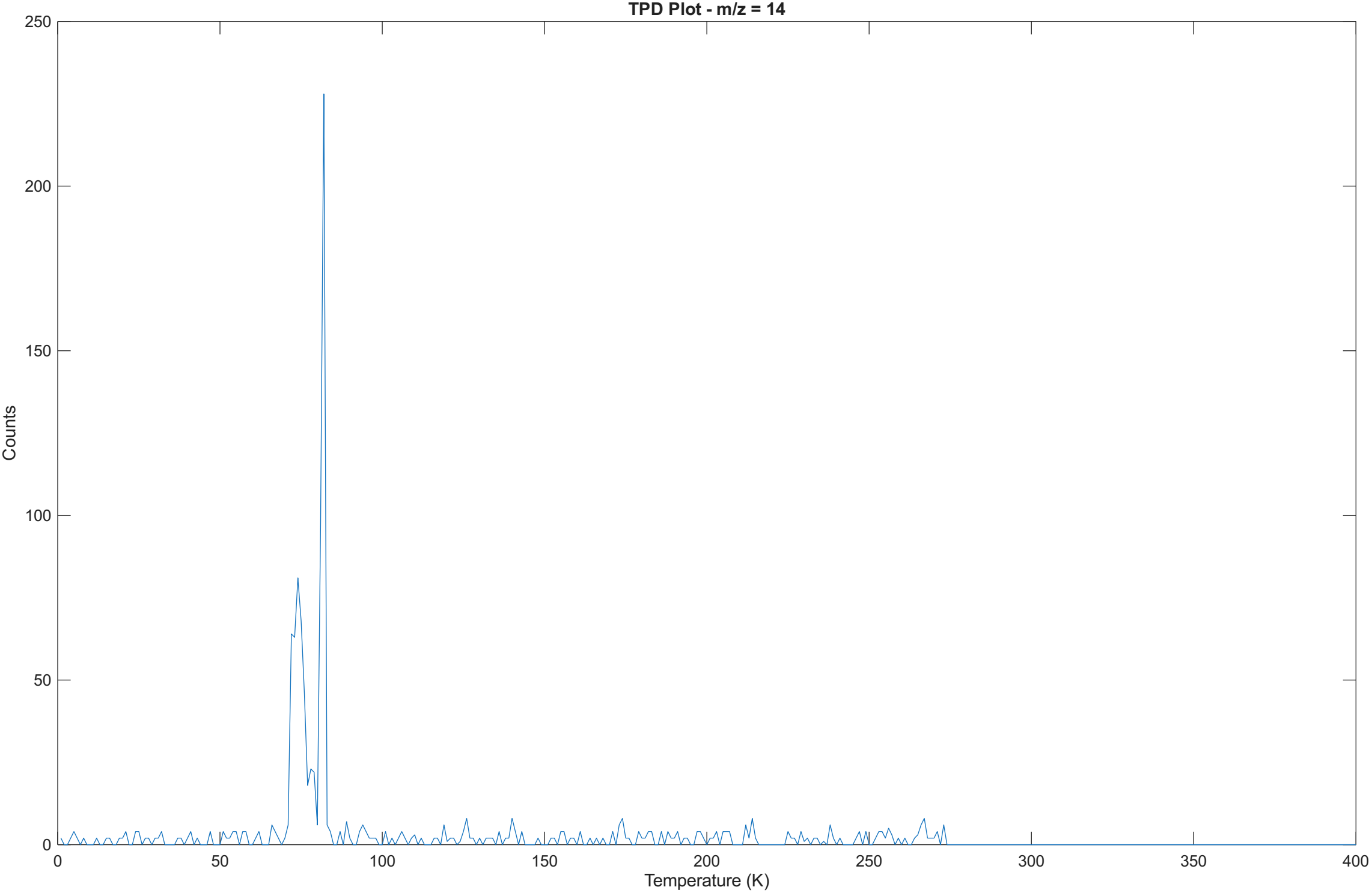

TPD Plot - m/z = 9
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

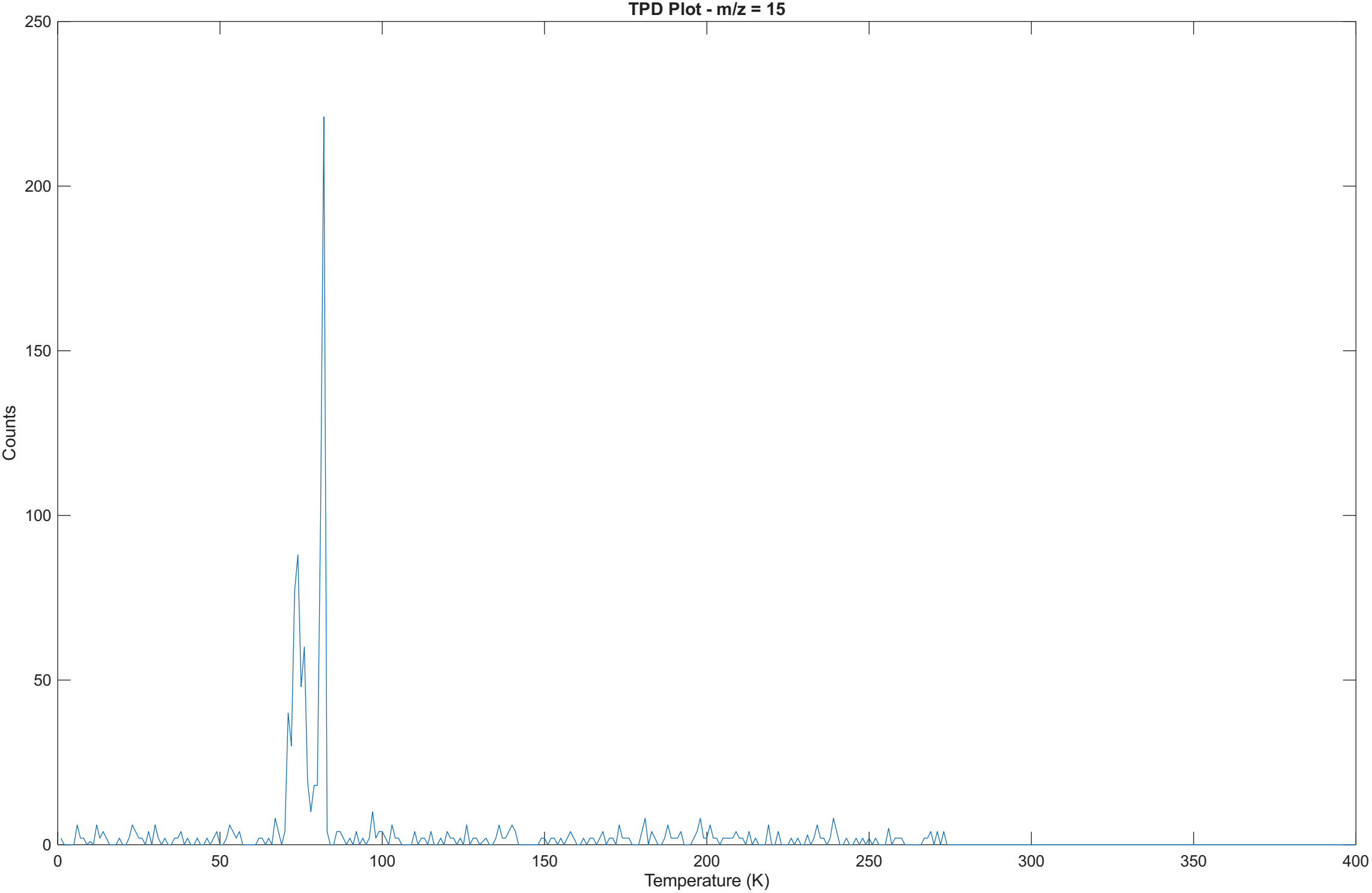

TPD Plot - m/z = 10
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

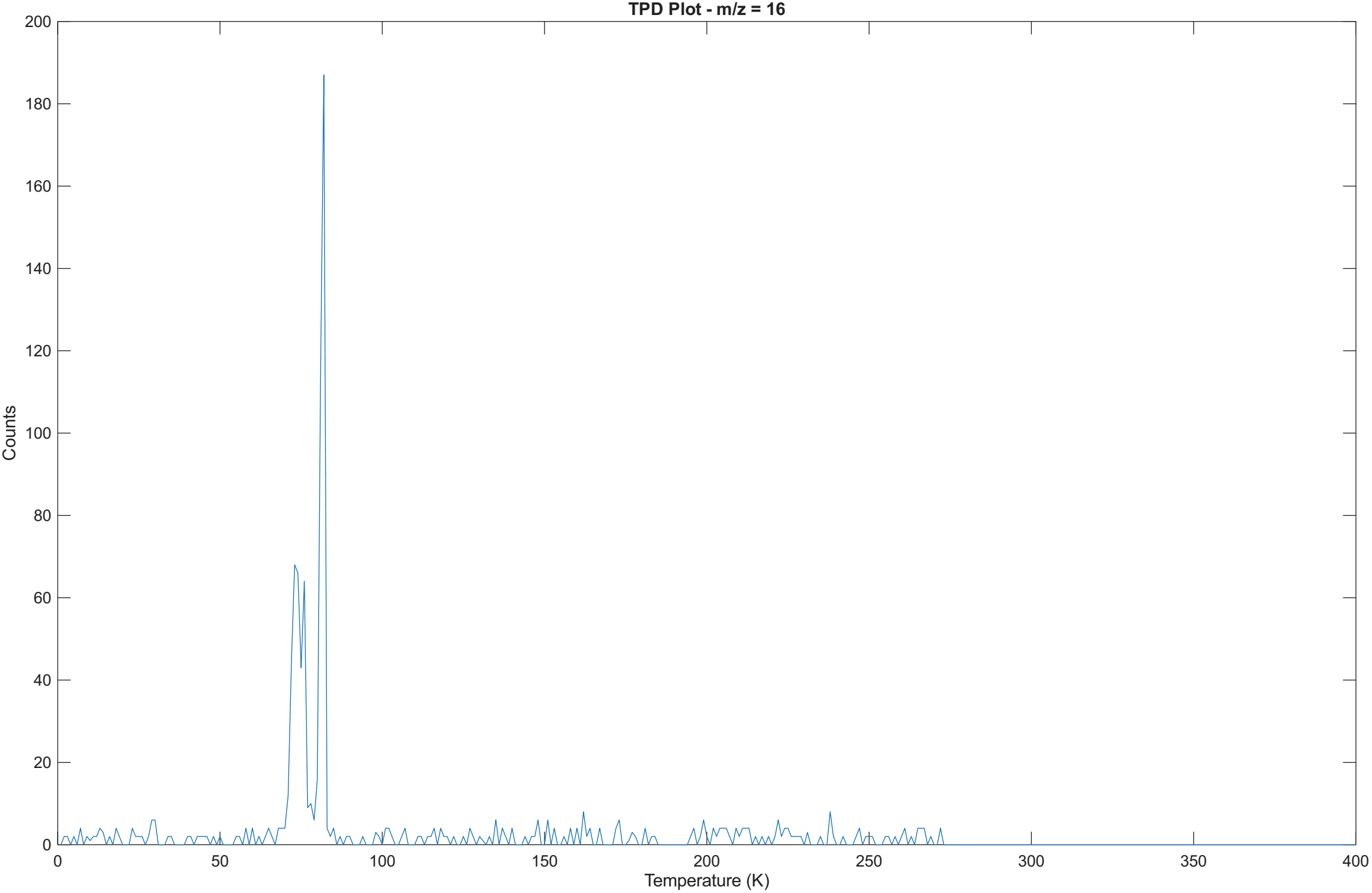

TPD Plot - m/z = 11
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

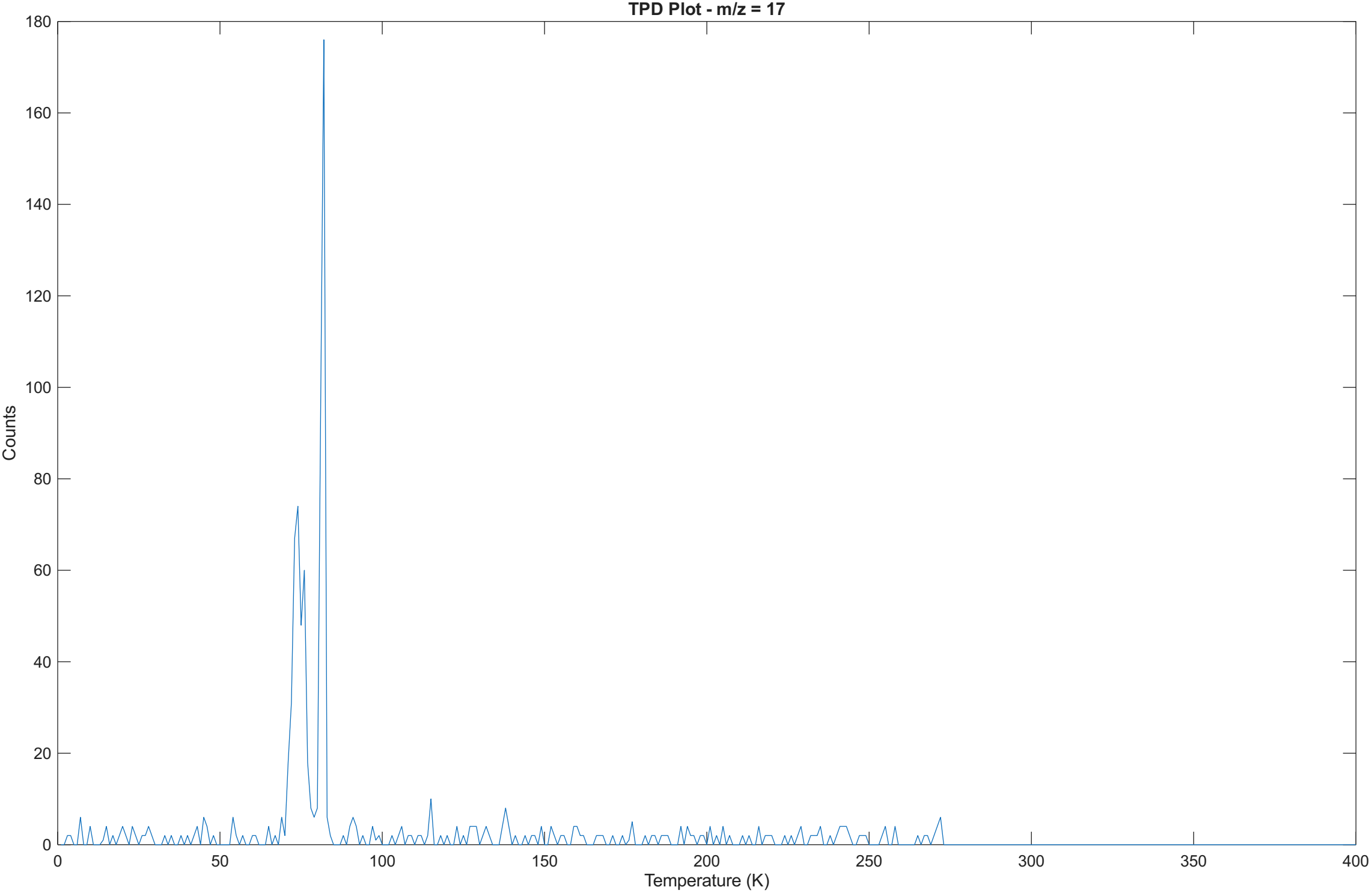

TPD Plot - m/z = 12
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

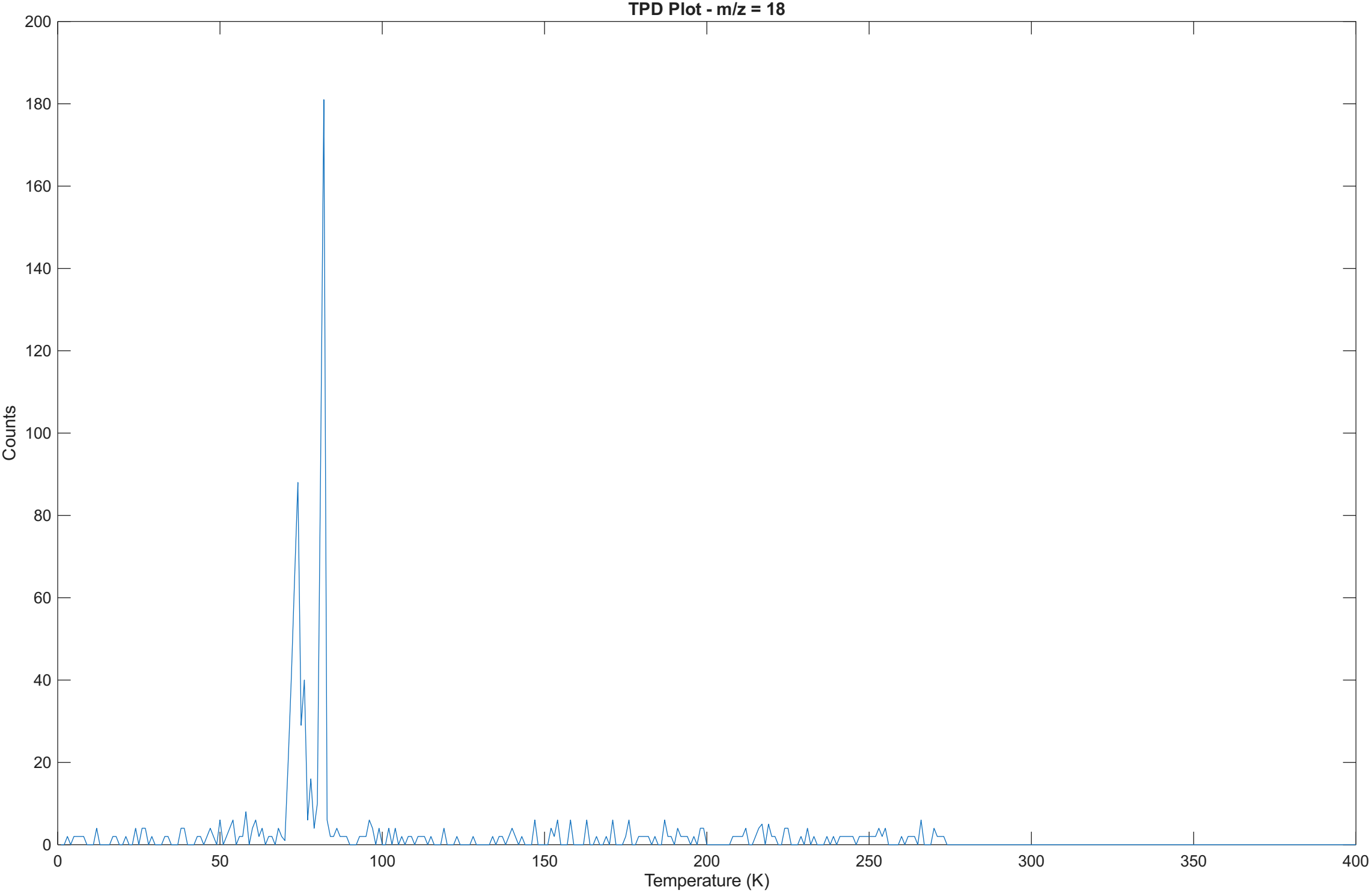

TPD Plot - m/z = 13
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

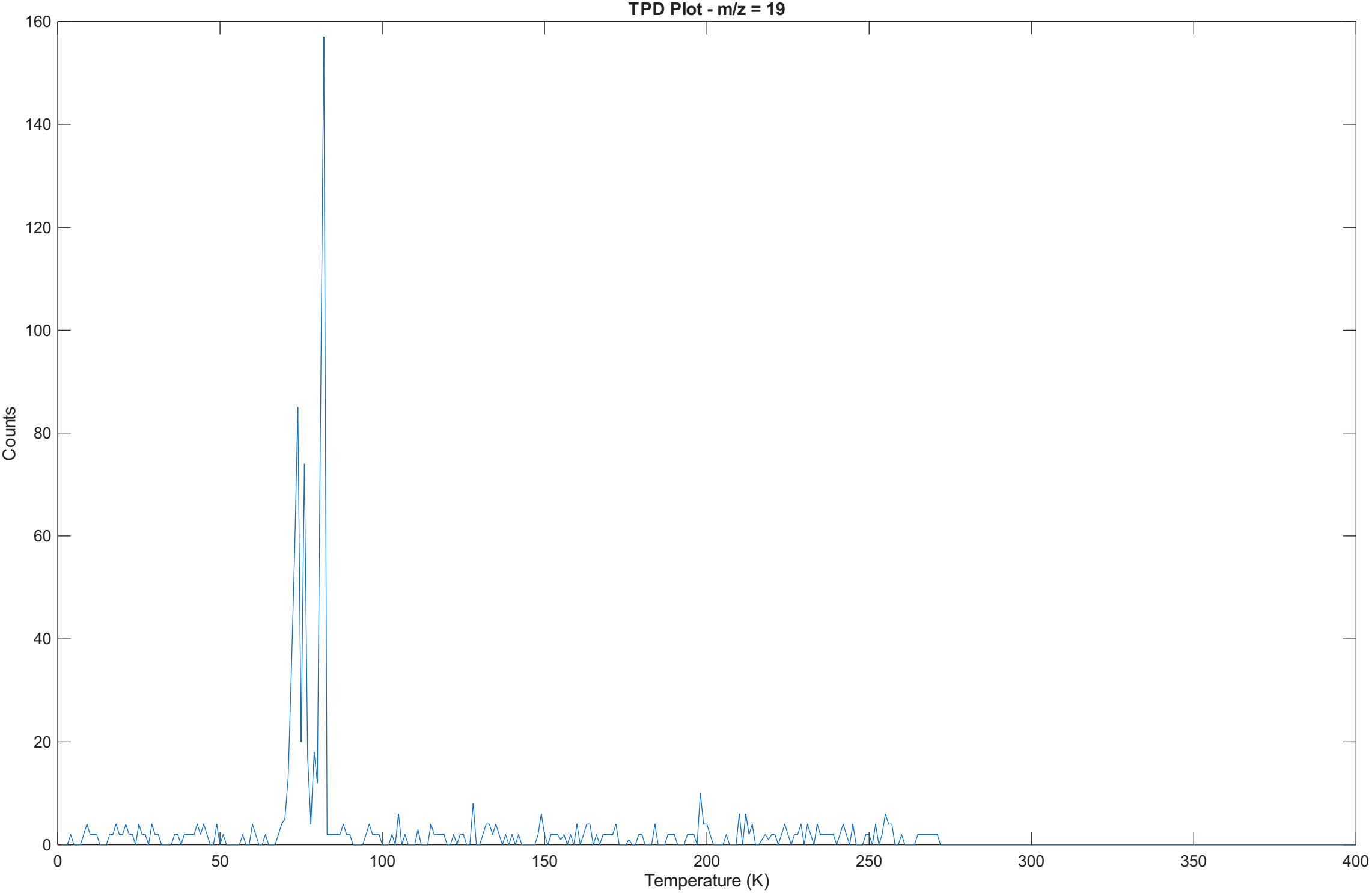

TPD Plot - m/z = 14
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

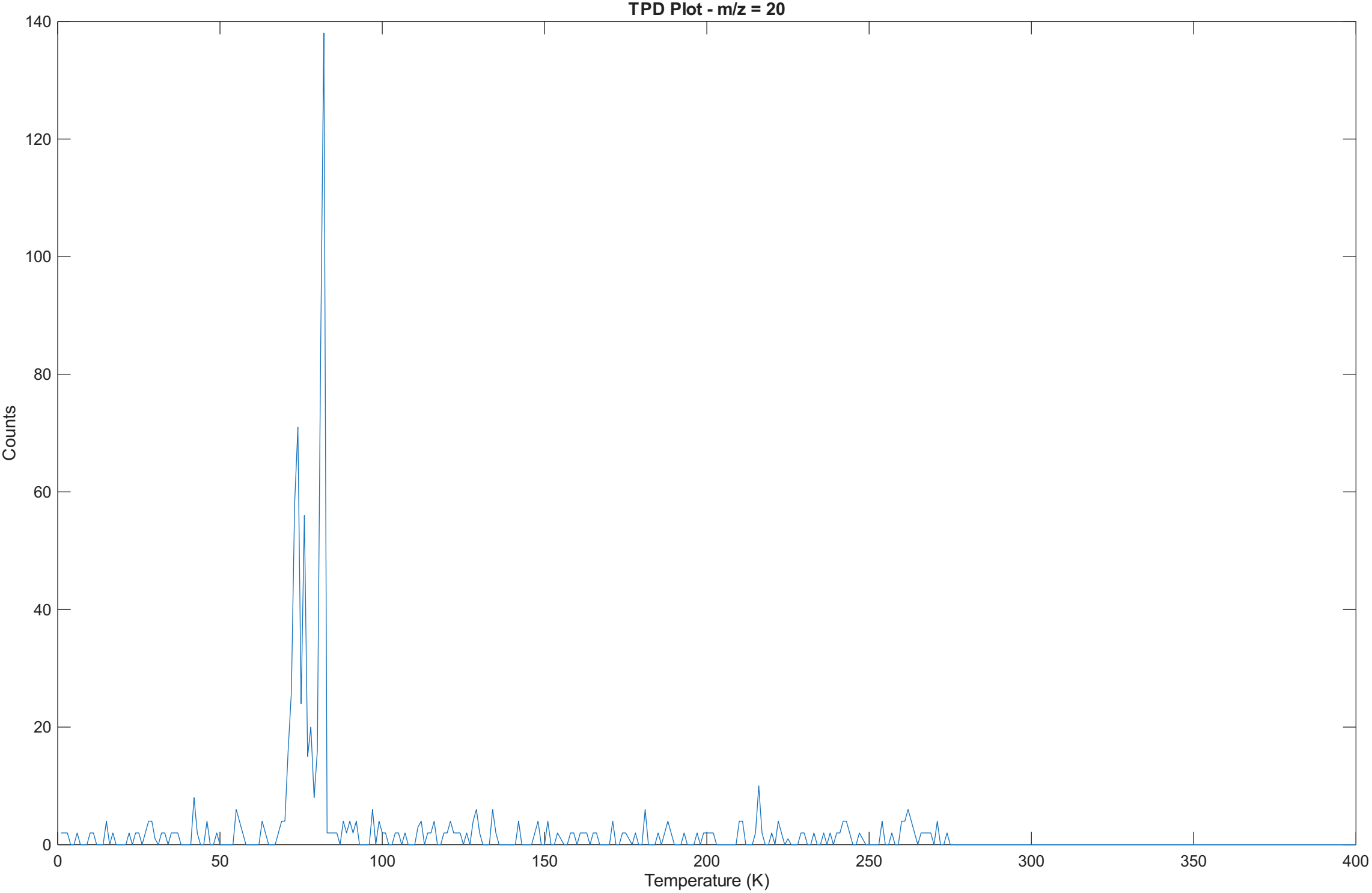

TPD Plot - m/z = 15
Counts
Temperature (K)
0
50
100
150
200
250
300
350
400

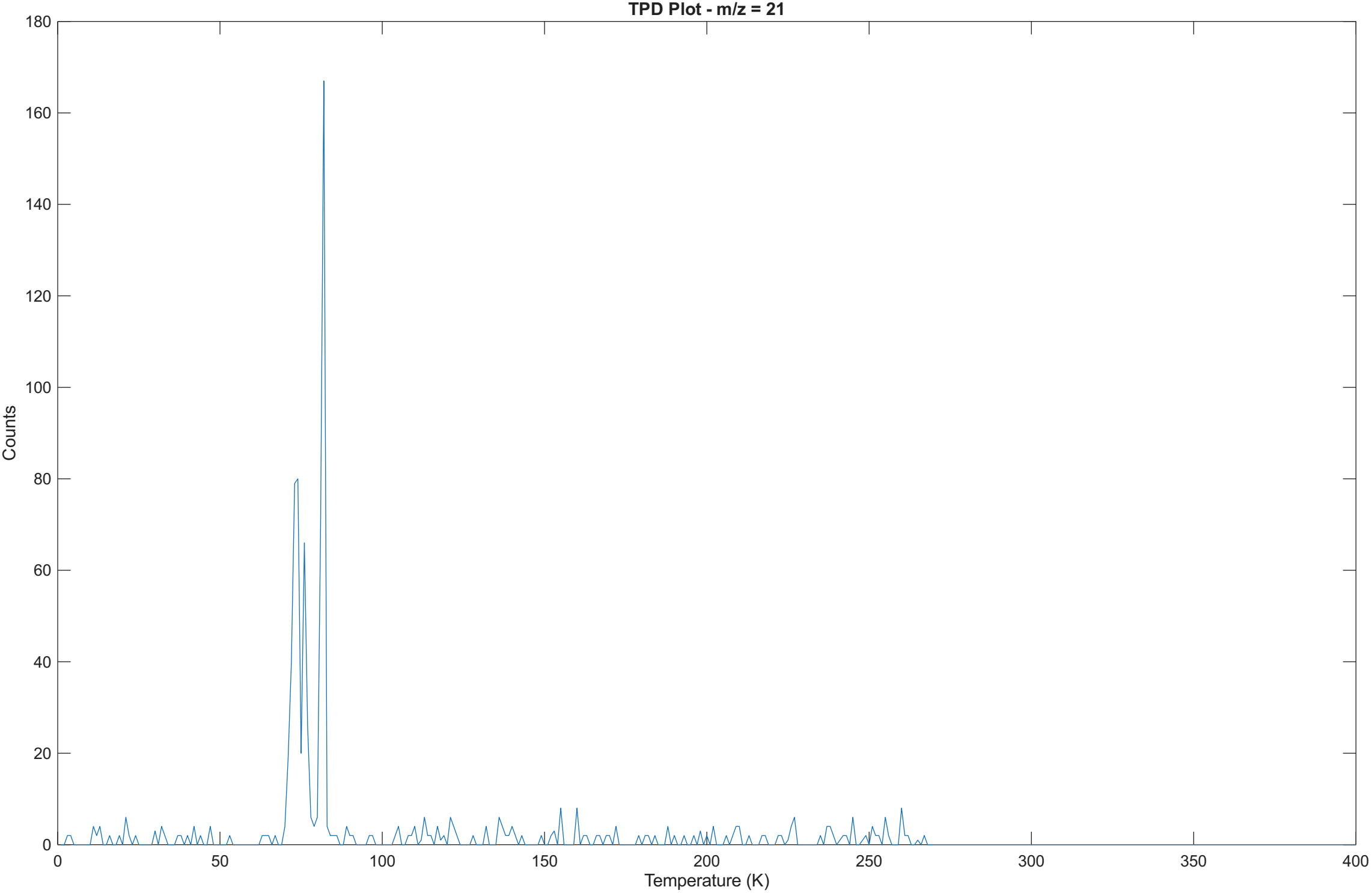

TPD Plot - m/z = 16
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
180
200
0
50
100
150
200
250
300
350
400

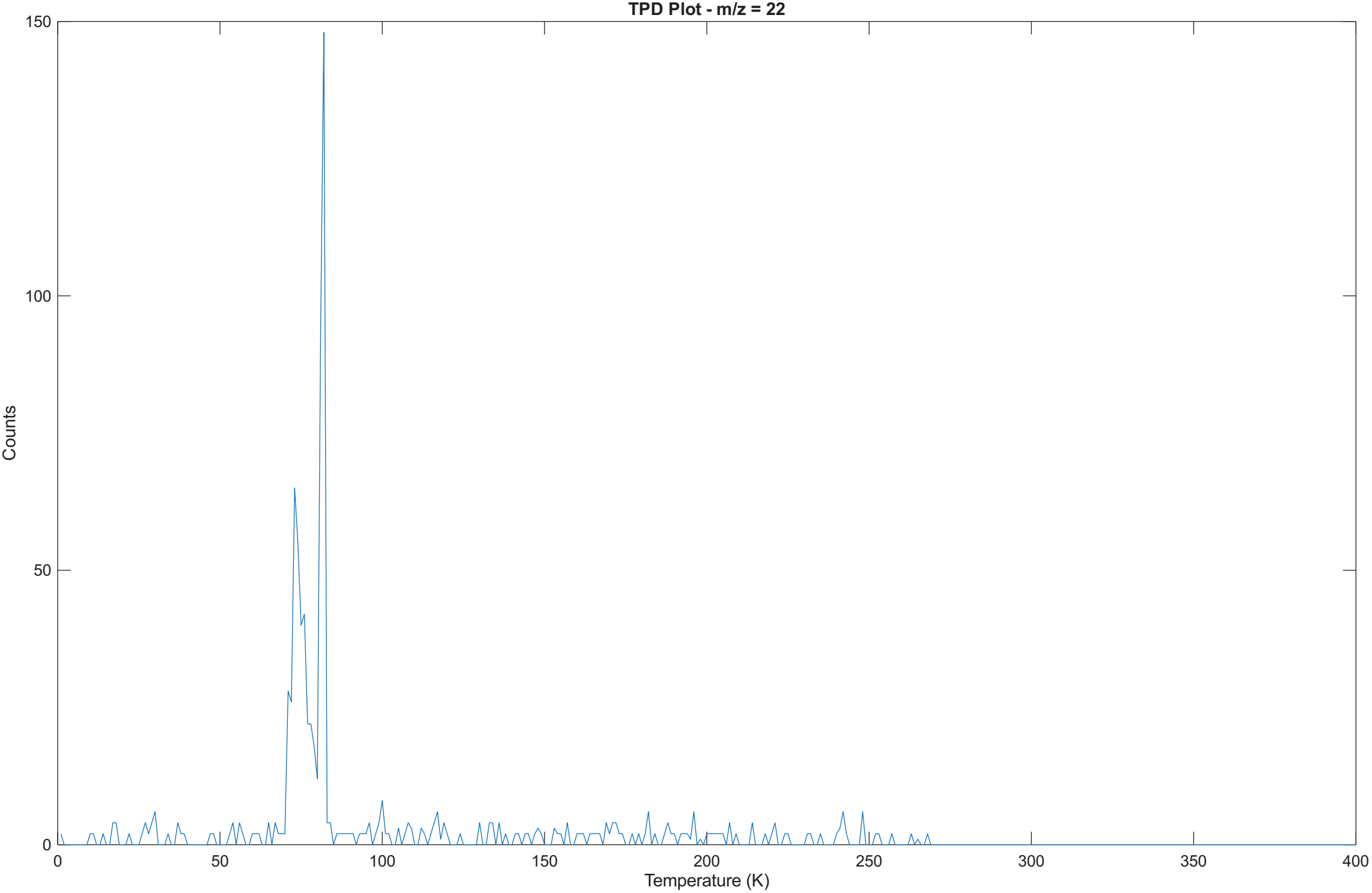

TPD Plot - m/z = 17
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
180
0
50
100
150
200
250
300
350
400

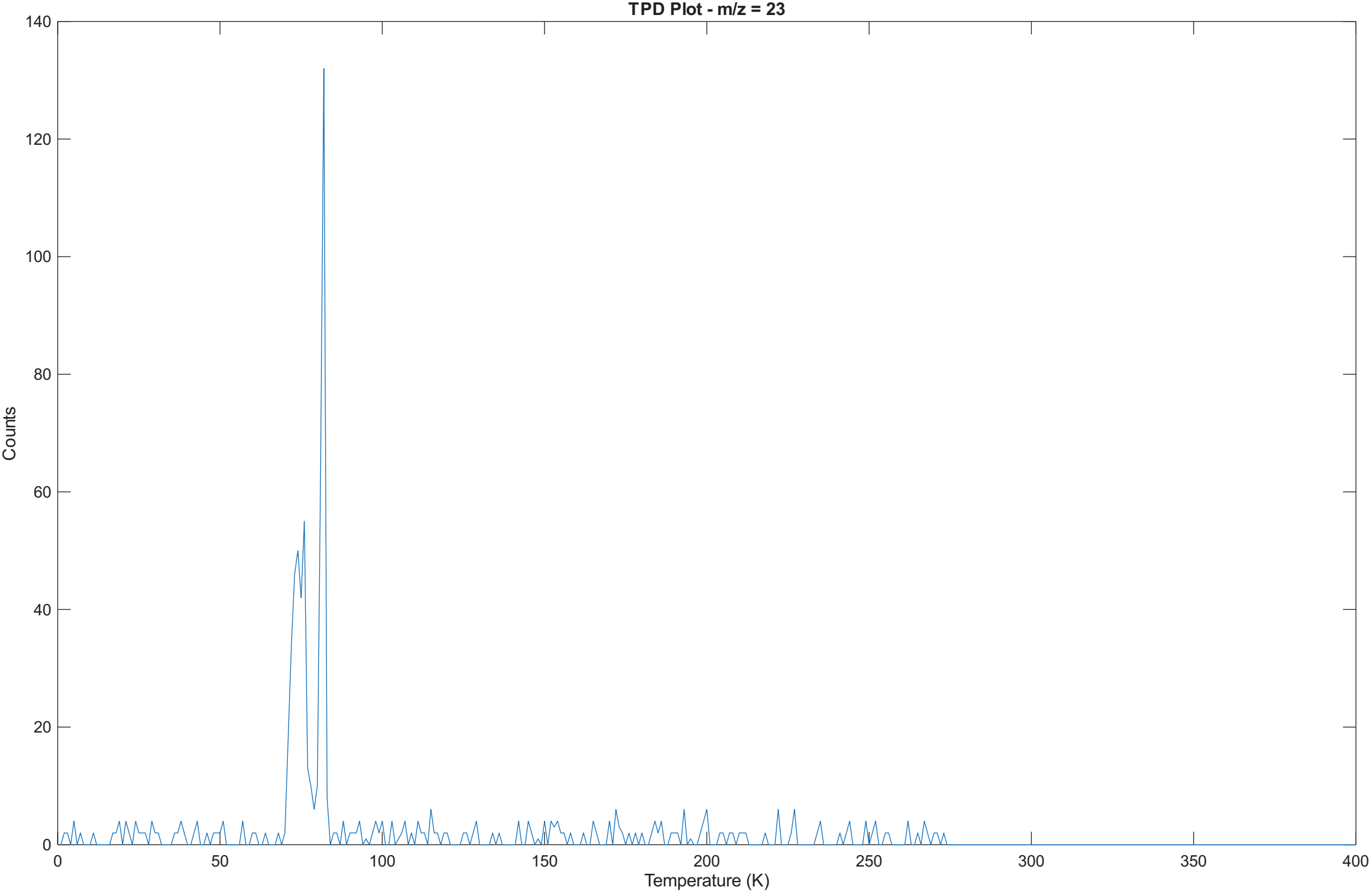

TPD Plot - m/z = 18
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
180
200
0
50
100
150
200
250
300
350
400

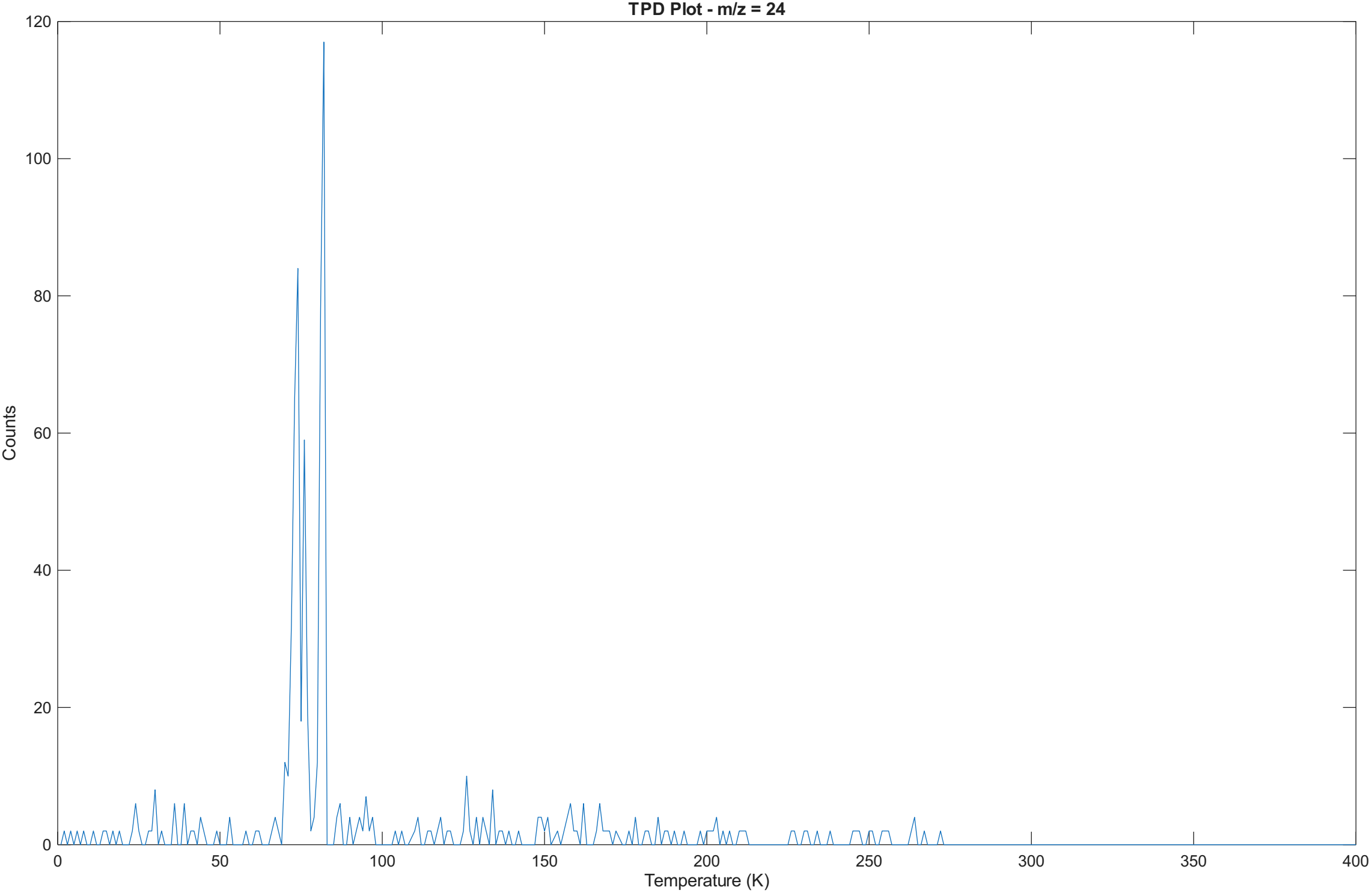

TPD Plot - m/z = 19
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
0
50
100
150
200
250
300
350
400

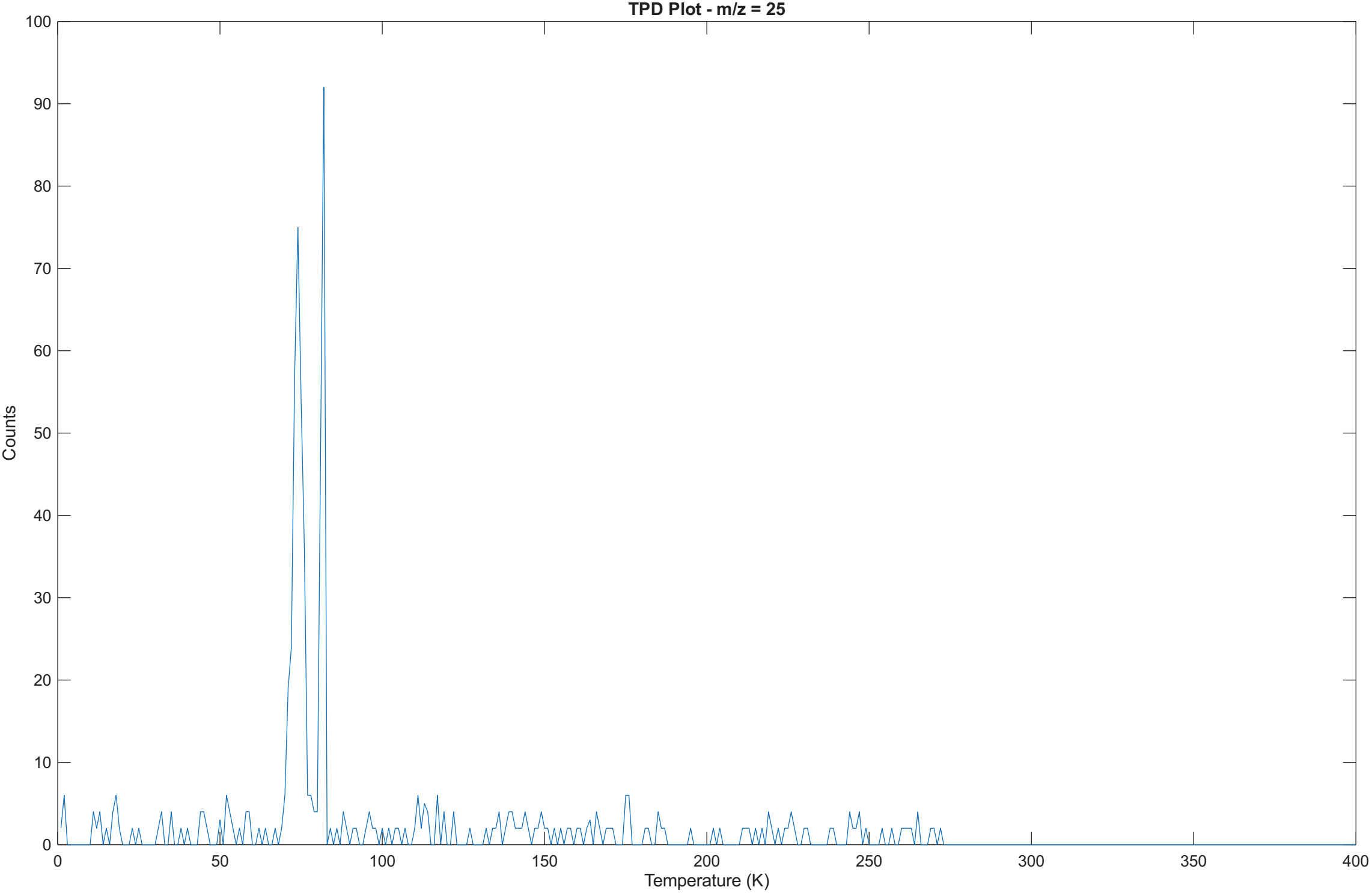

TPD Plot - m/z = 20
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

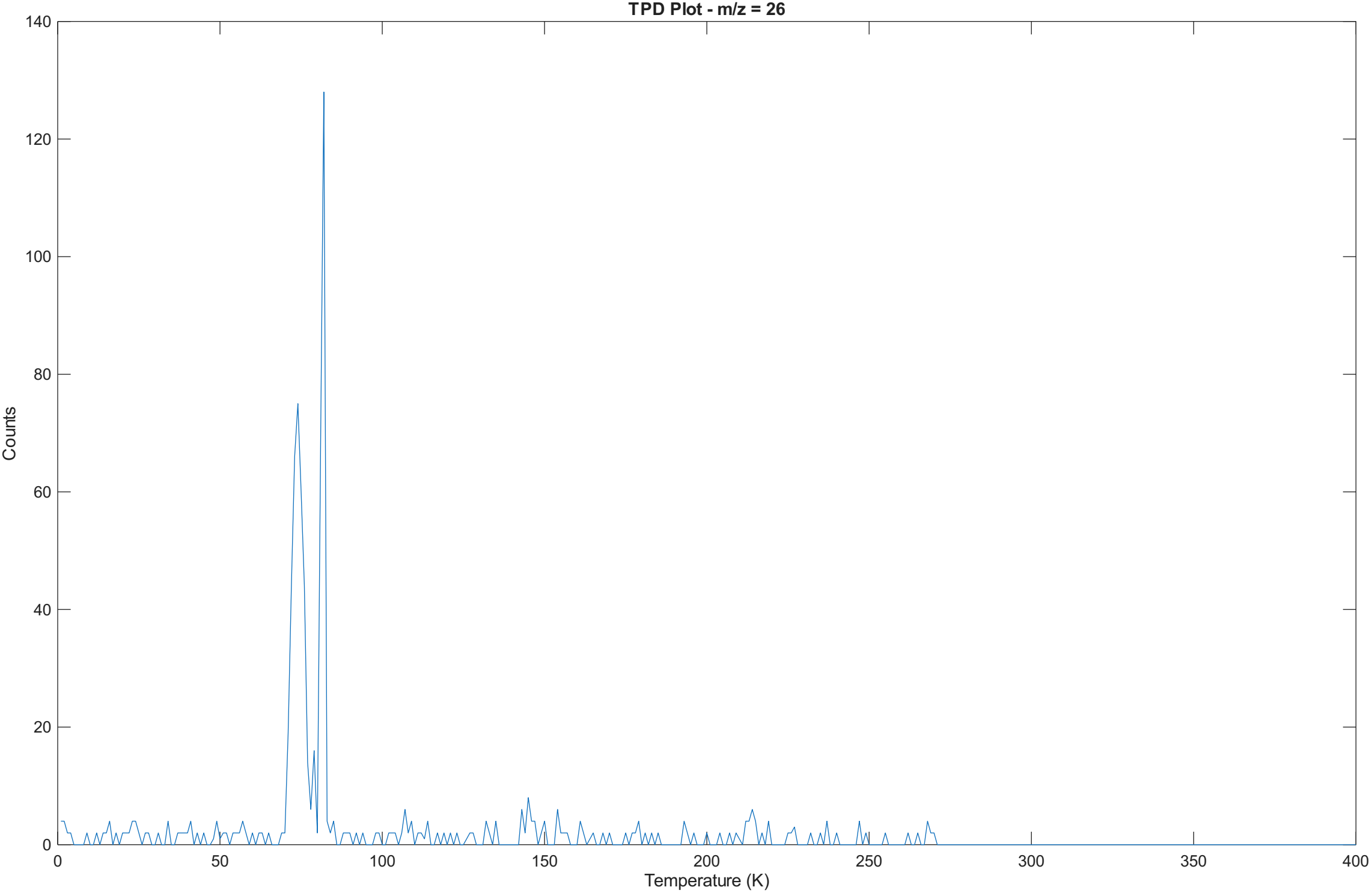

TPD Plot - m/z = 21
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
180
0
50
100
150
200
250
300
350
400

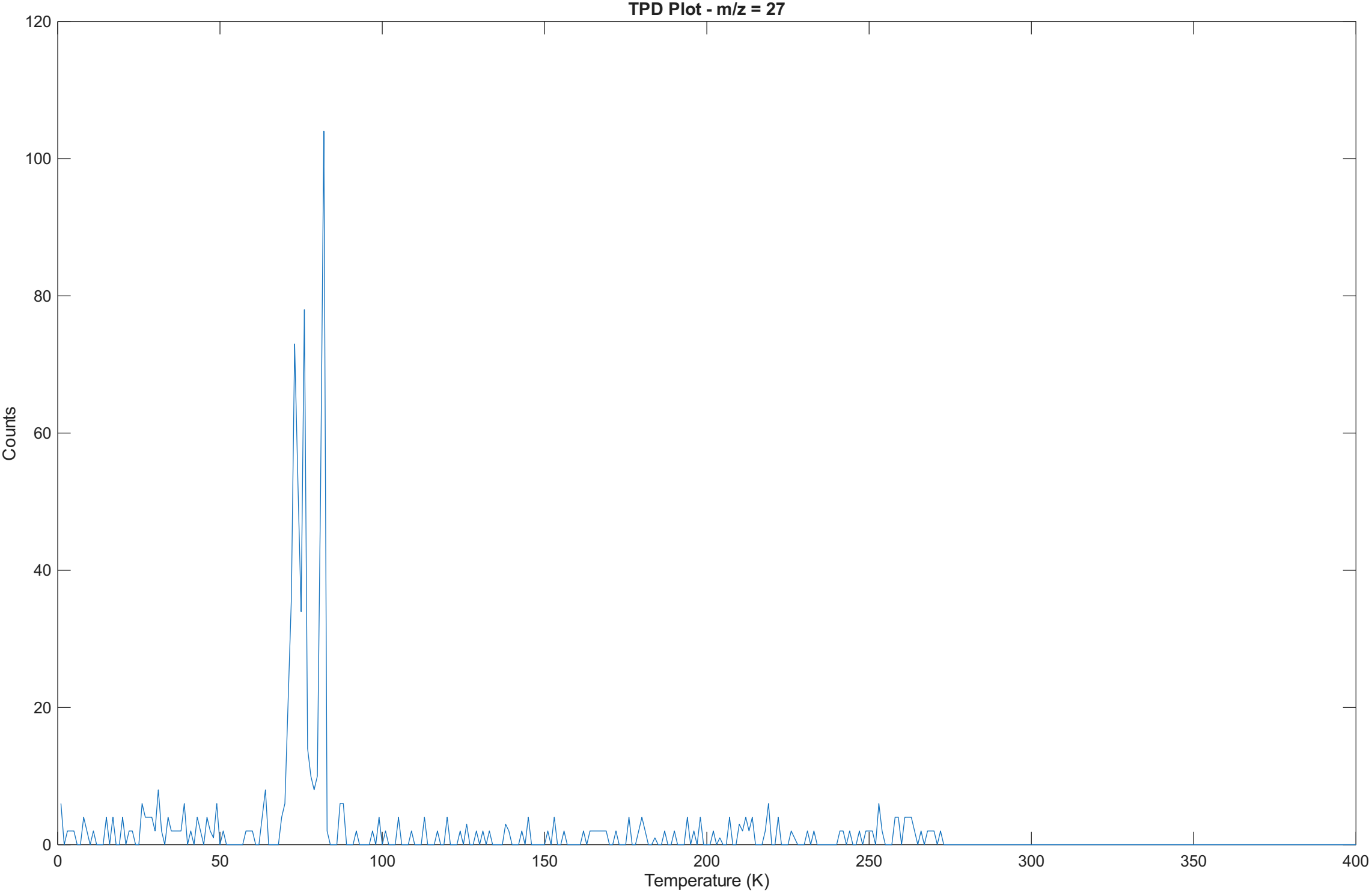

TPD Plot - m/z = 22
Counts
Temperature (K)
0
50
100
150
0
50
100
150
200
250
300
350
400

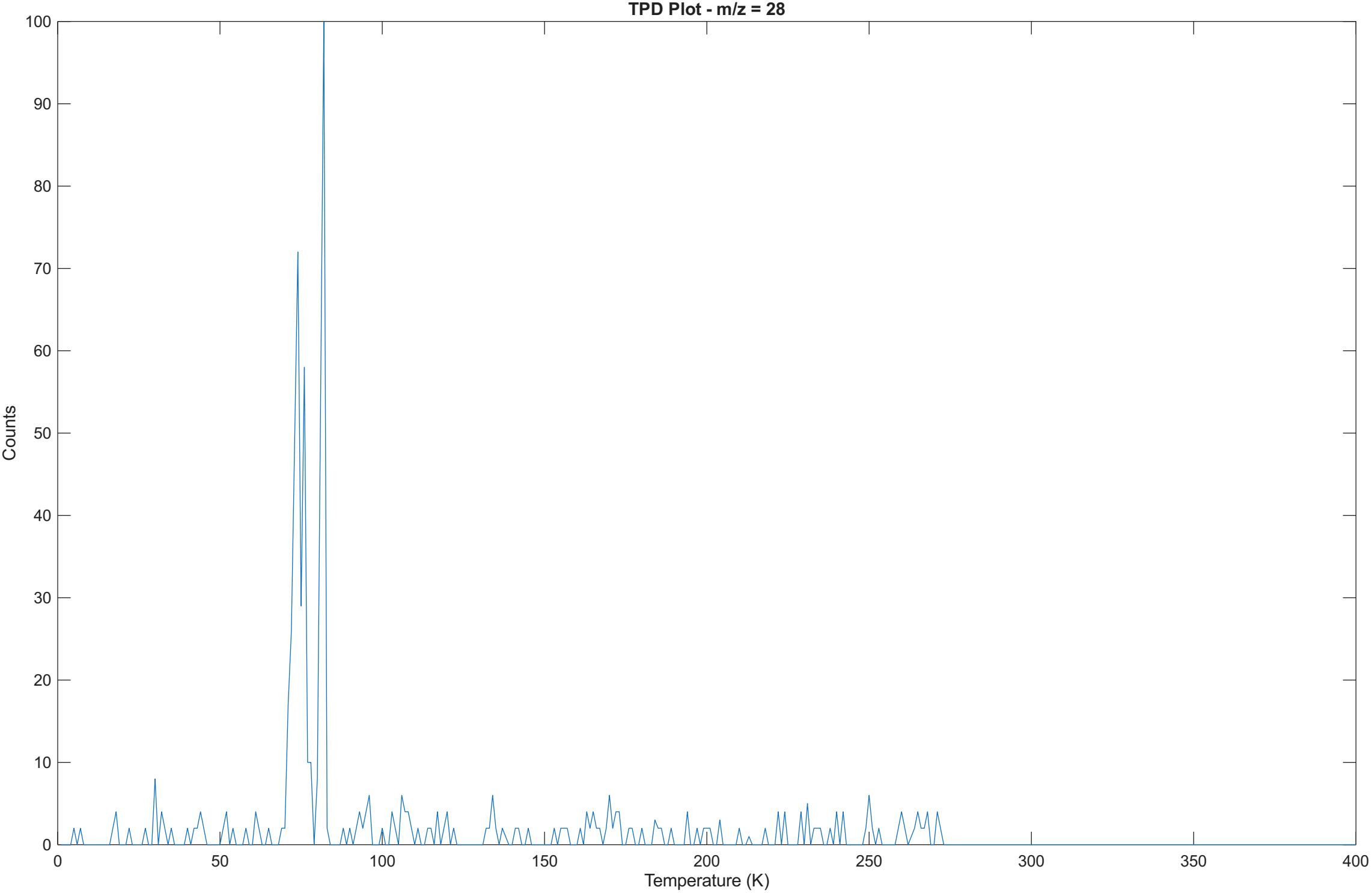

TPD Plot - m/z = 23
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

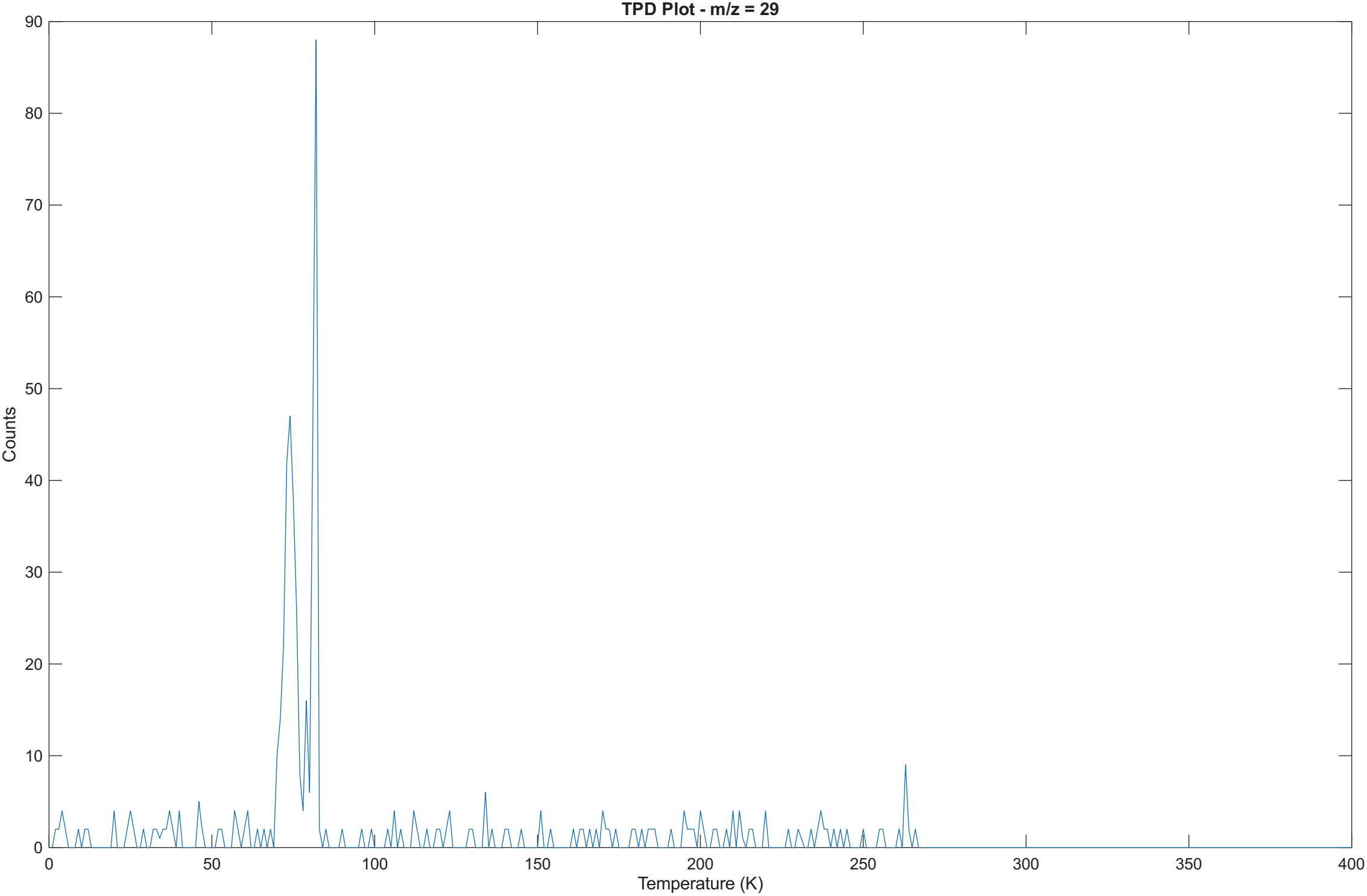

TPD Plot - m/z = 24
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

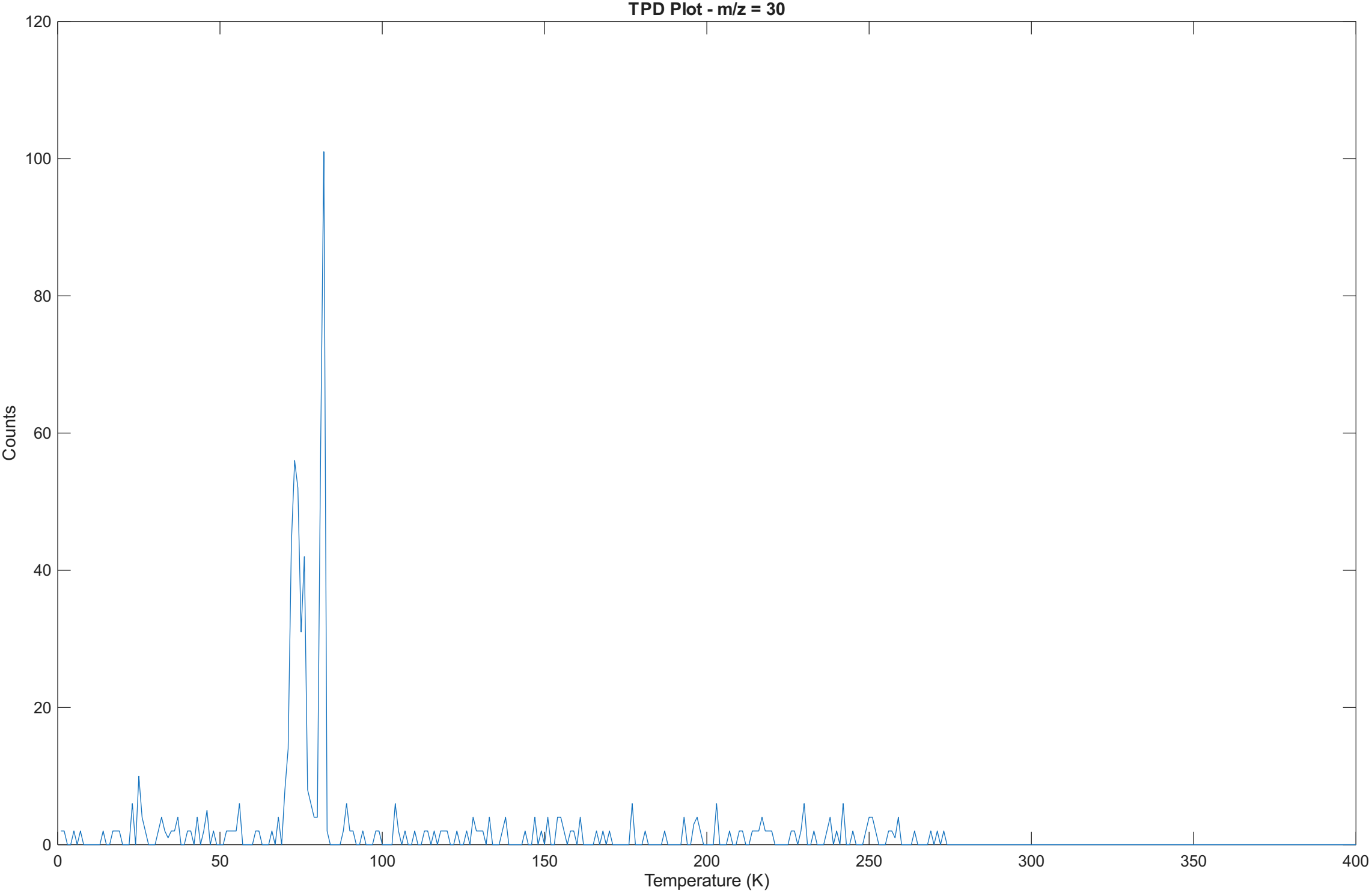

TPD Plot - m/z = 25
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
100
0
50
100
150
200
250
300
350
400

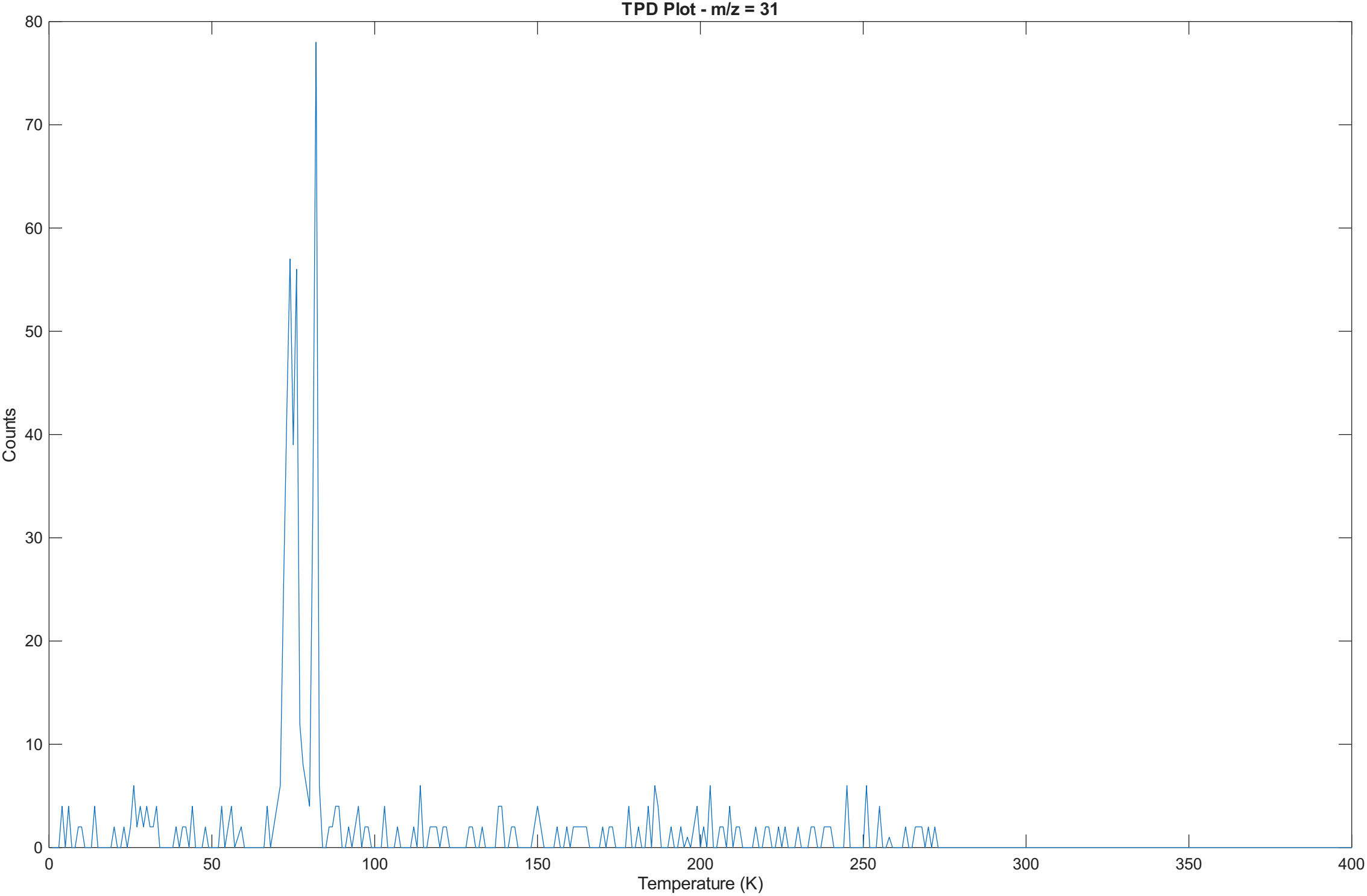

TPD Plot - m/z = 26
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

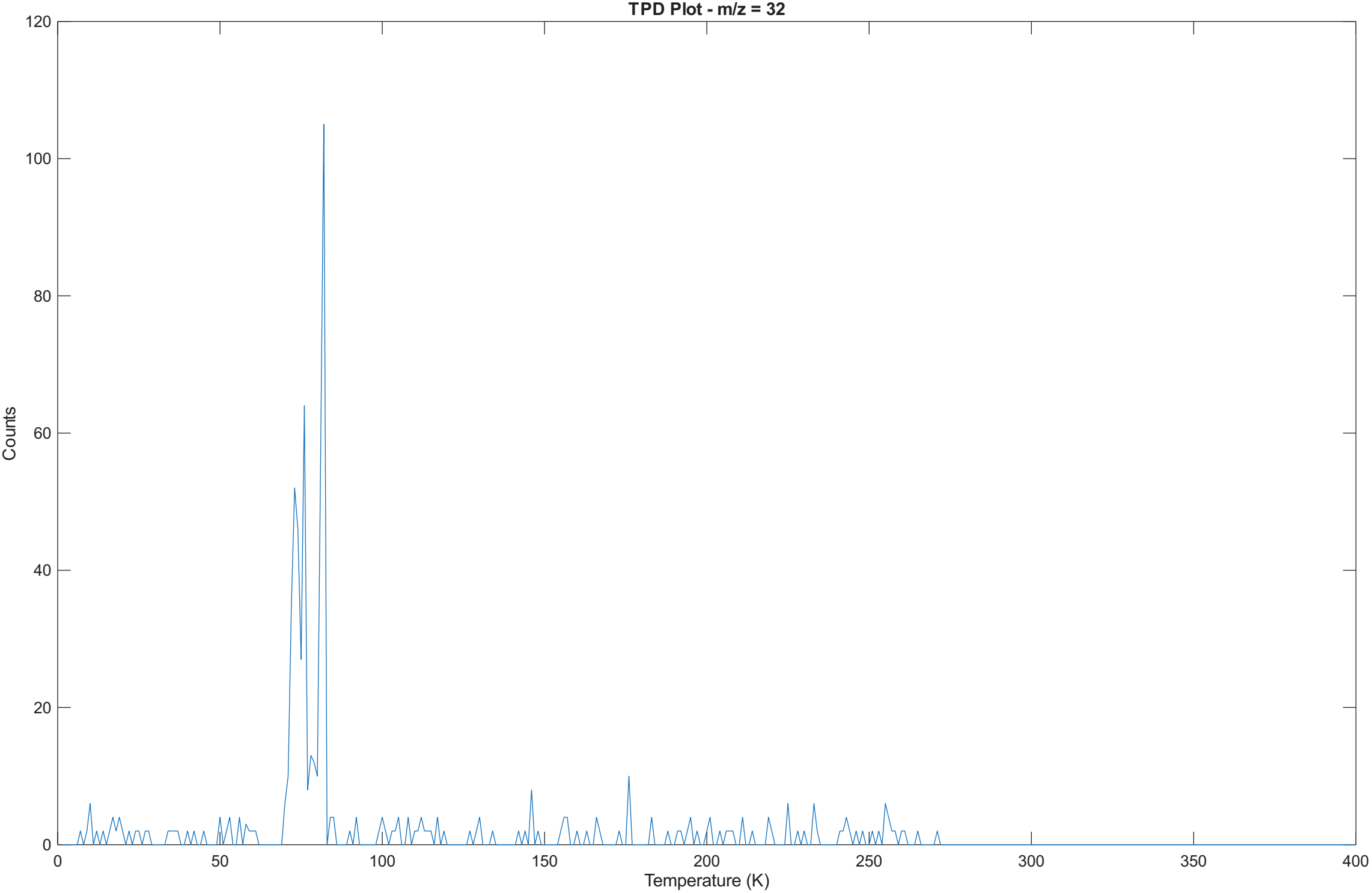

TPD Plot - m/z = 27
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

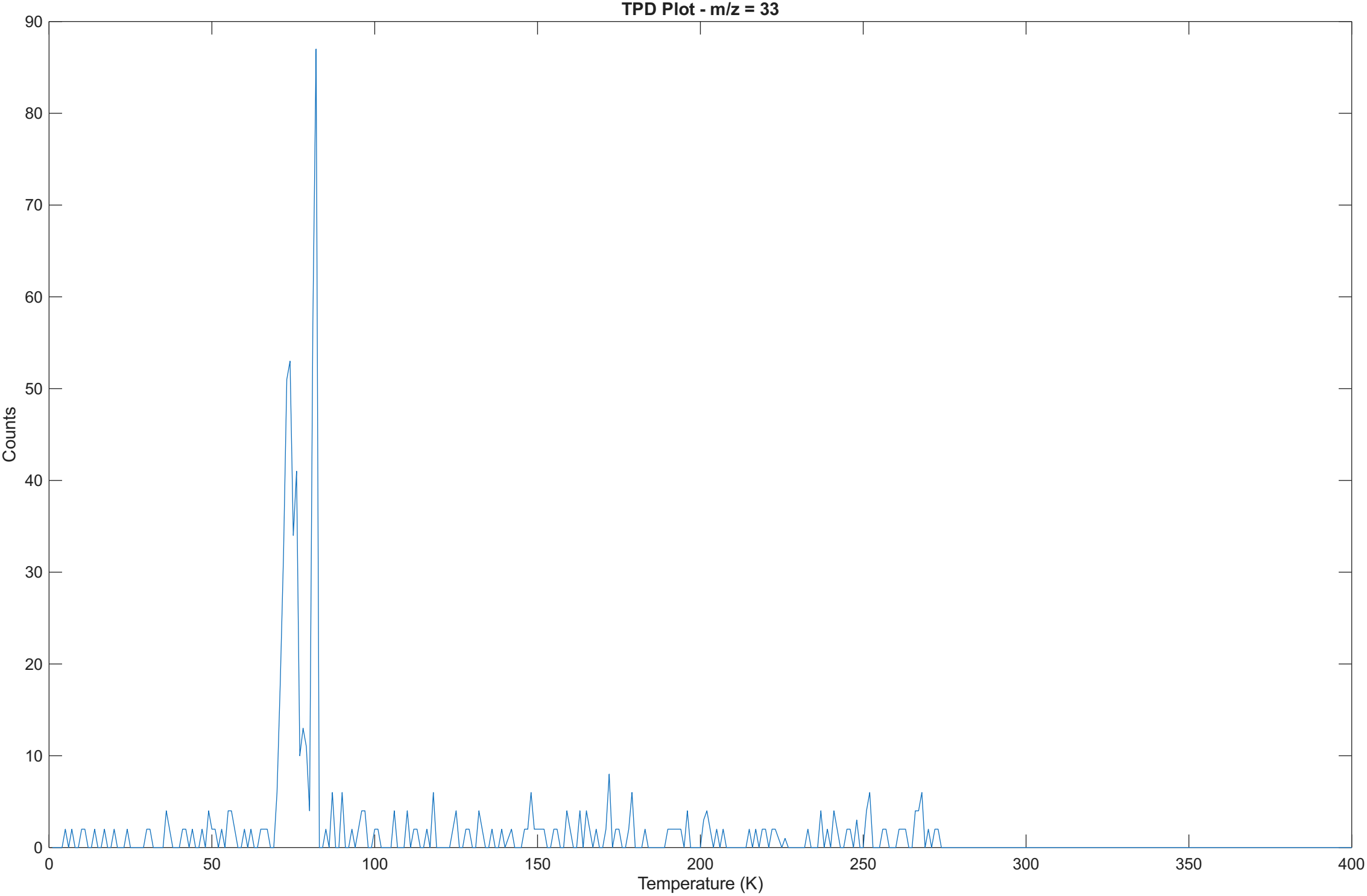

TPD Plot - m/z = 28
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
100
0
50
100
150
200
250
300
350
400

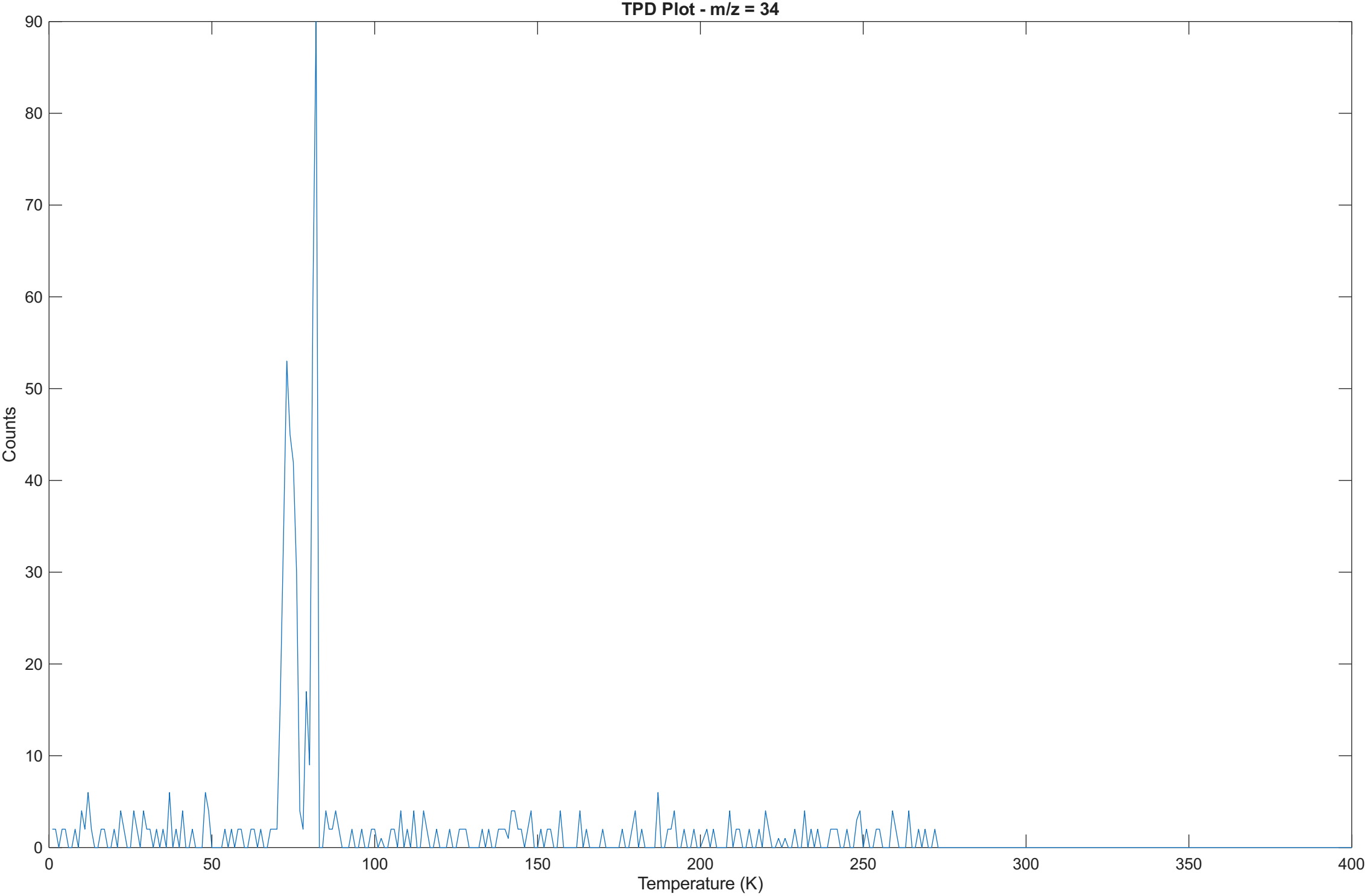

TPD Plot - m/z = 29
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
0
50
100
150
200
250
300
350
400

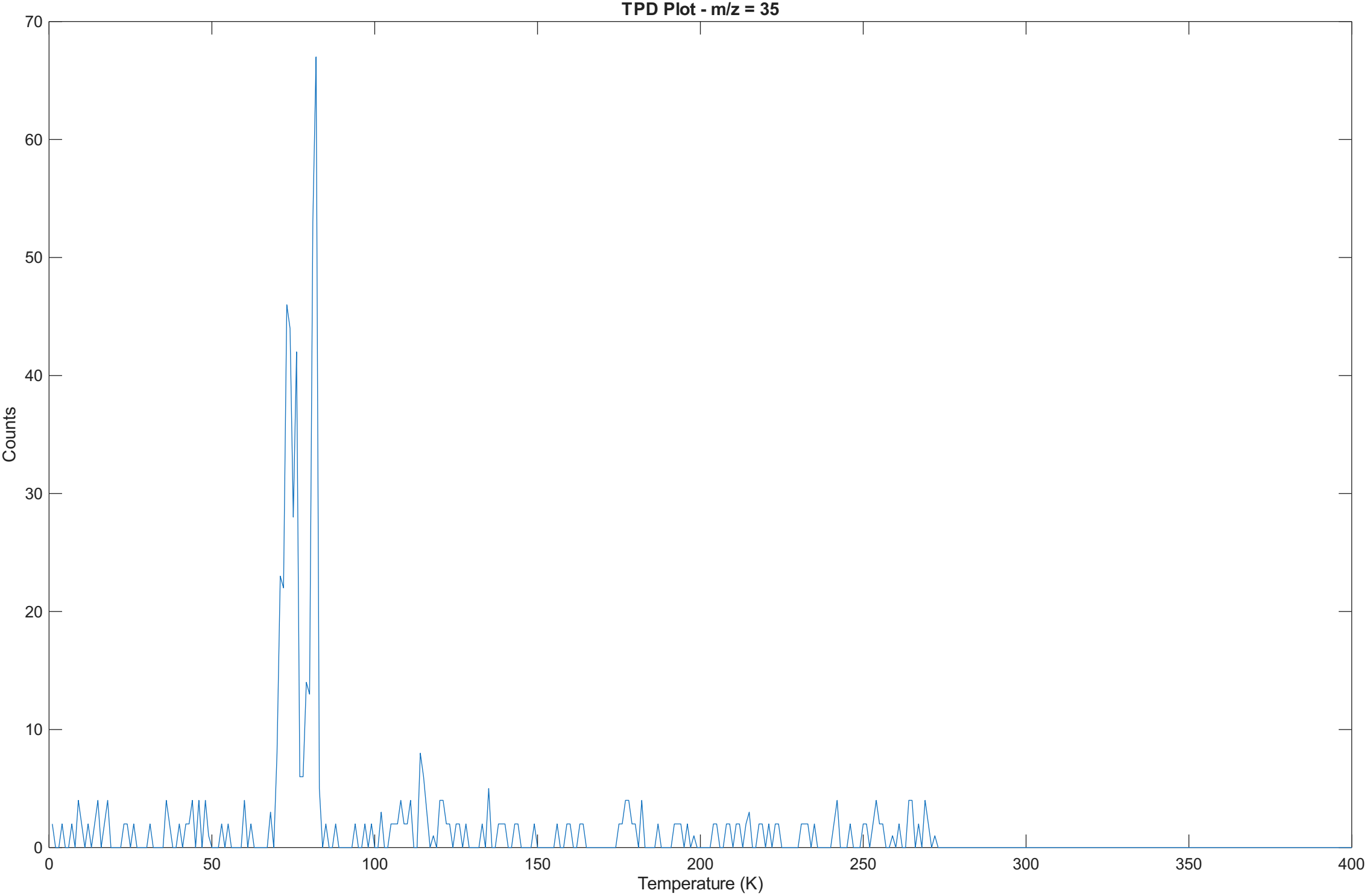

TPD Plot - m/z = 30
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

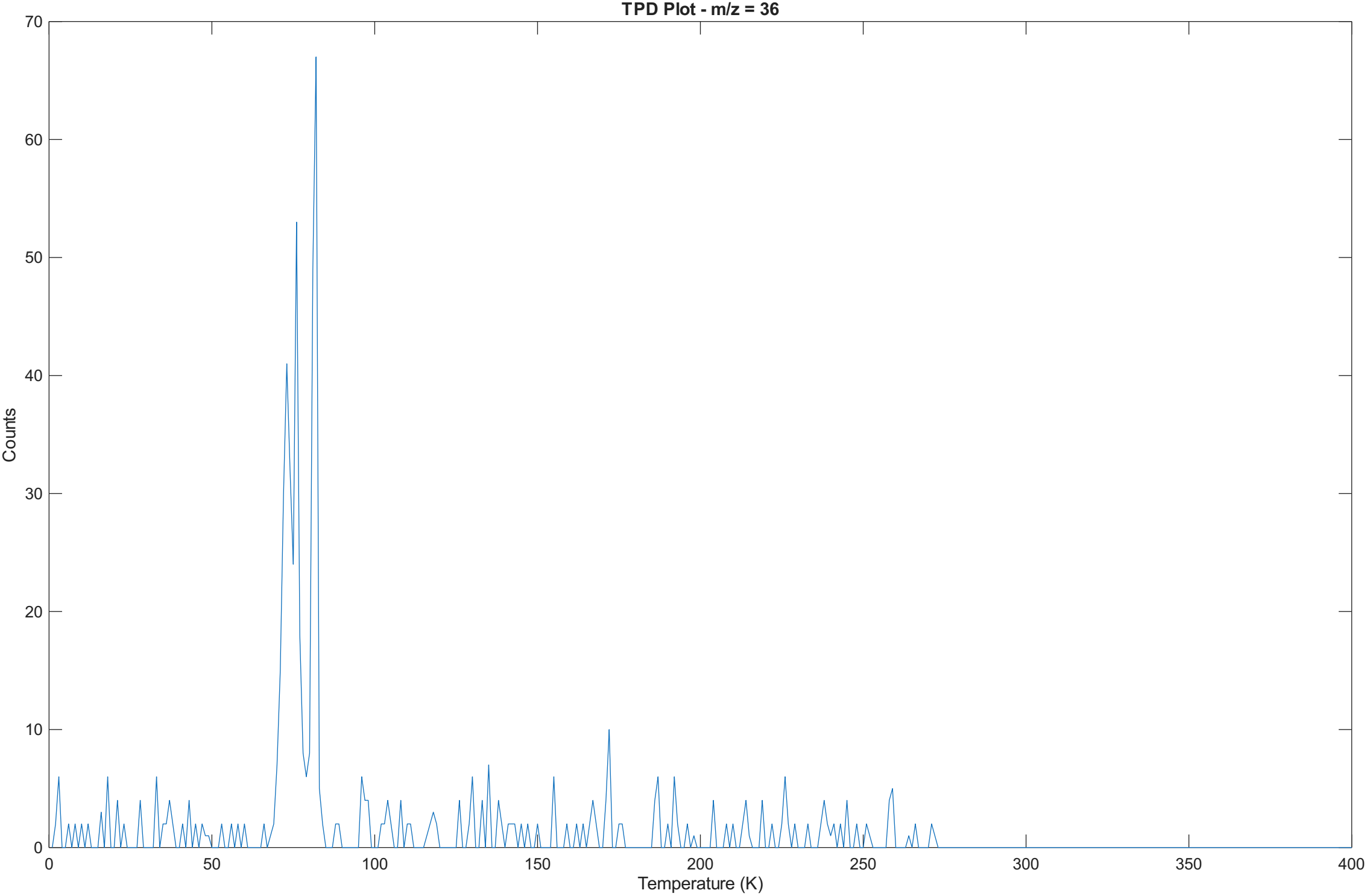

TPD Plot - m/z = 31
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

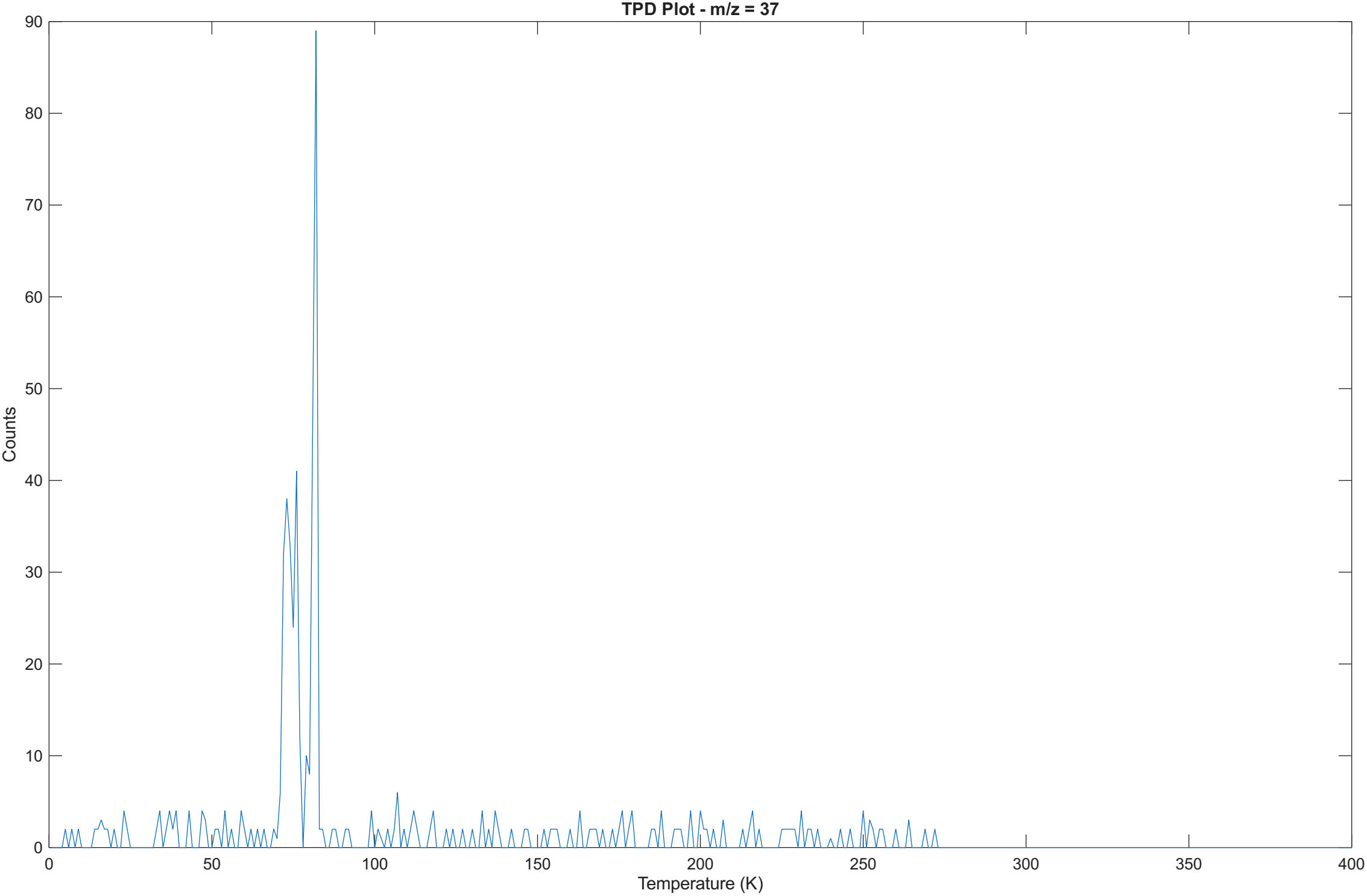

TPD Plot - m/z = 32
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

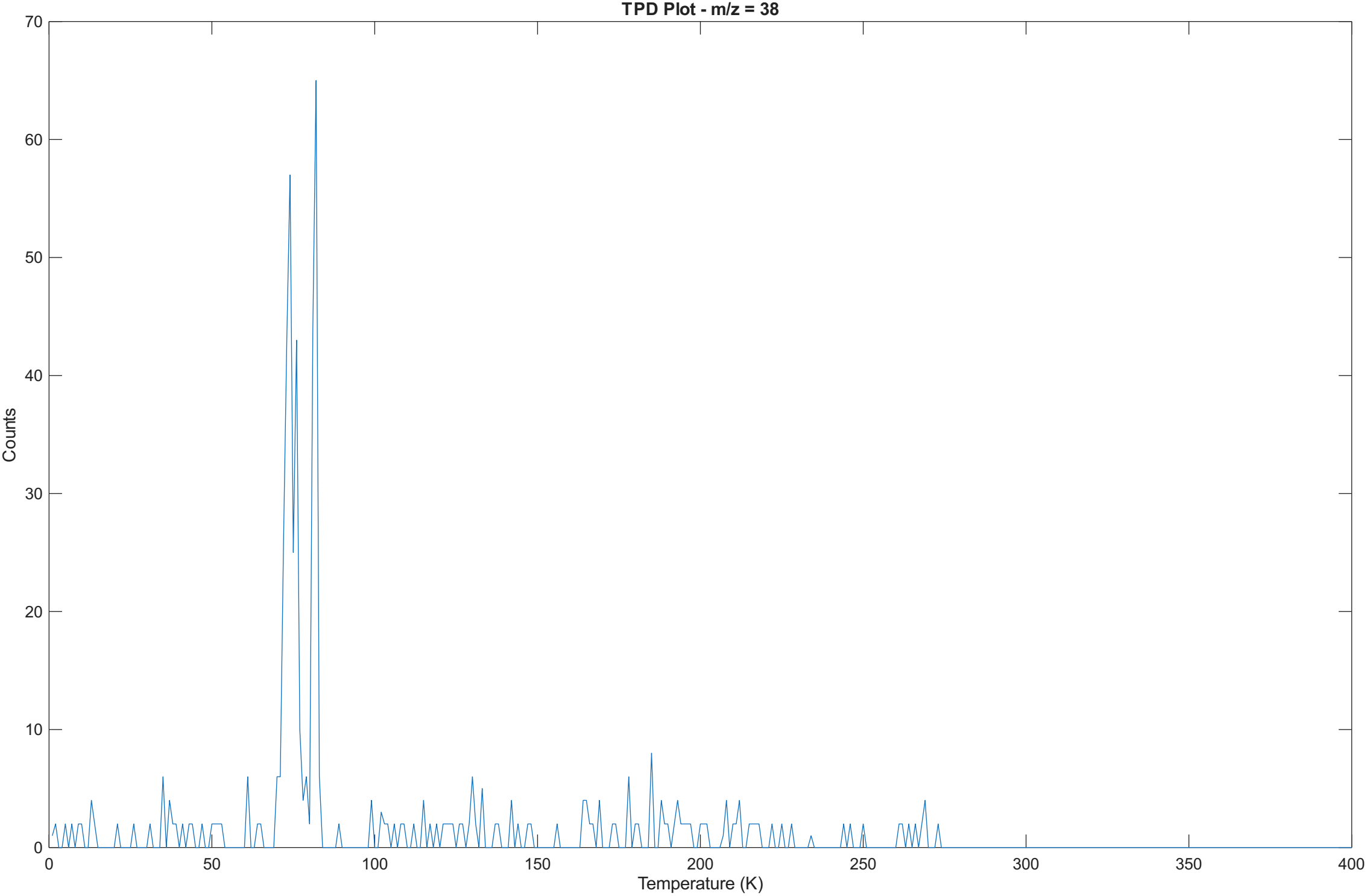

TPD Plot - m/z = 33
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
0
50
100
150
200
250
300
350
400

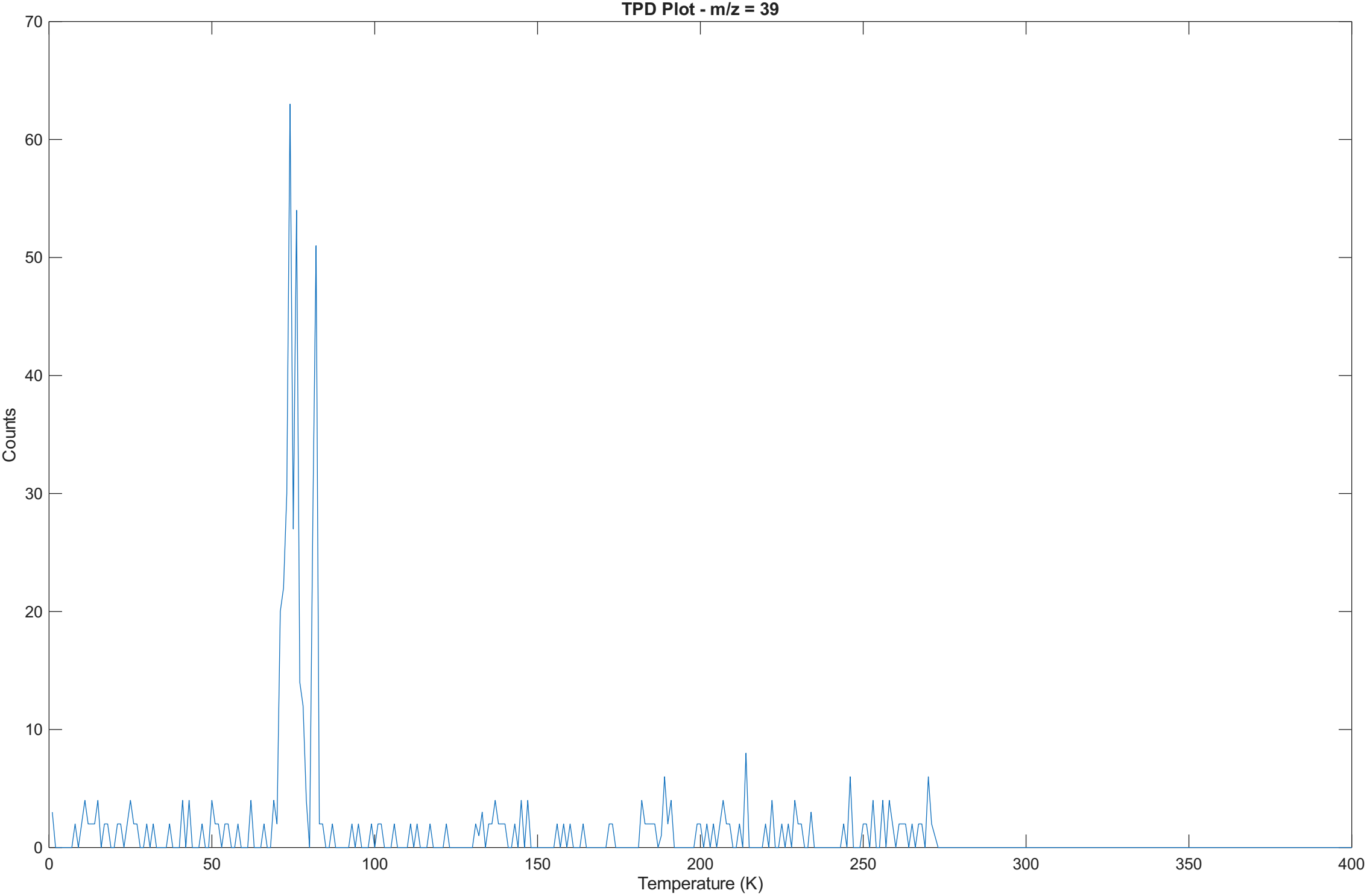

TPD Plot - m/z = 34
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
0
50
100
150
200
250
300
350
400

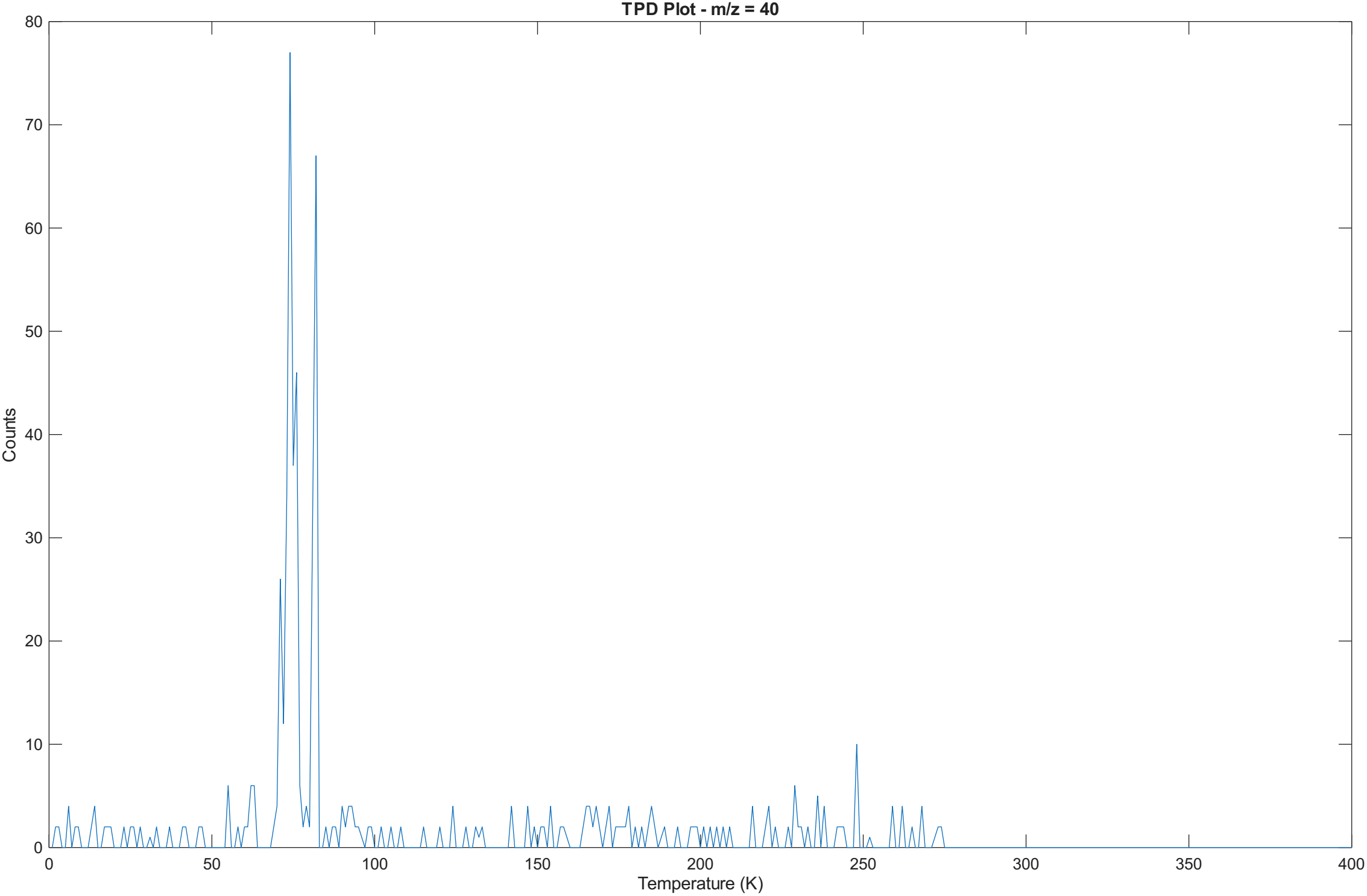

TPD Plot - m/z = 35
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

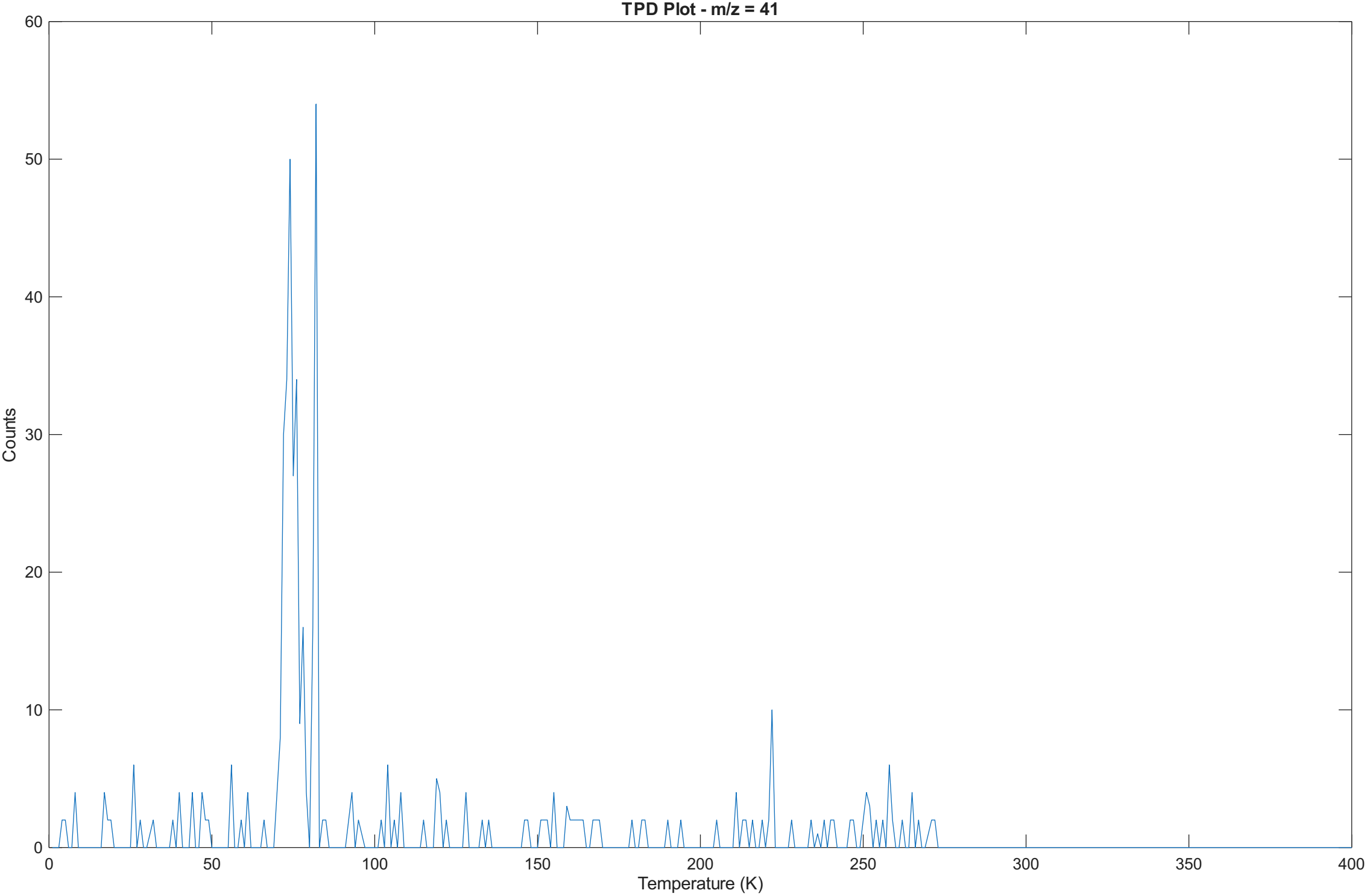

TPD Plot - m/z = 36
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

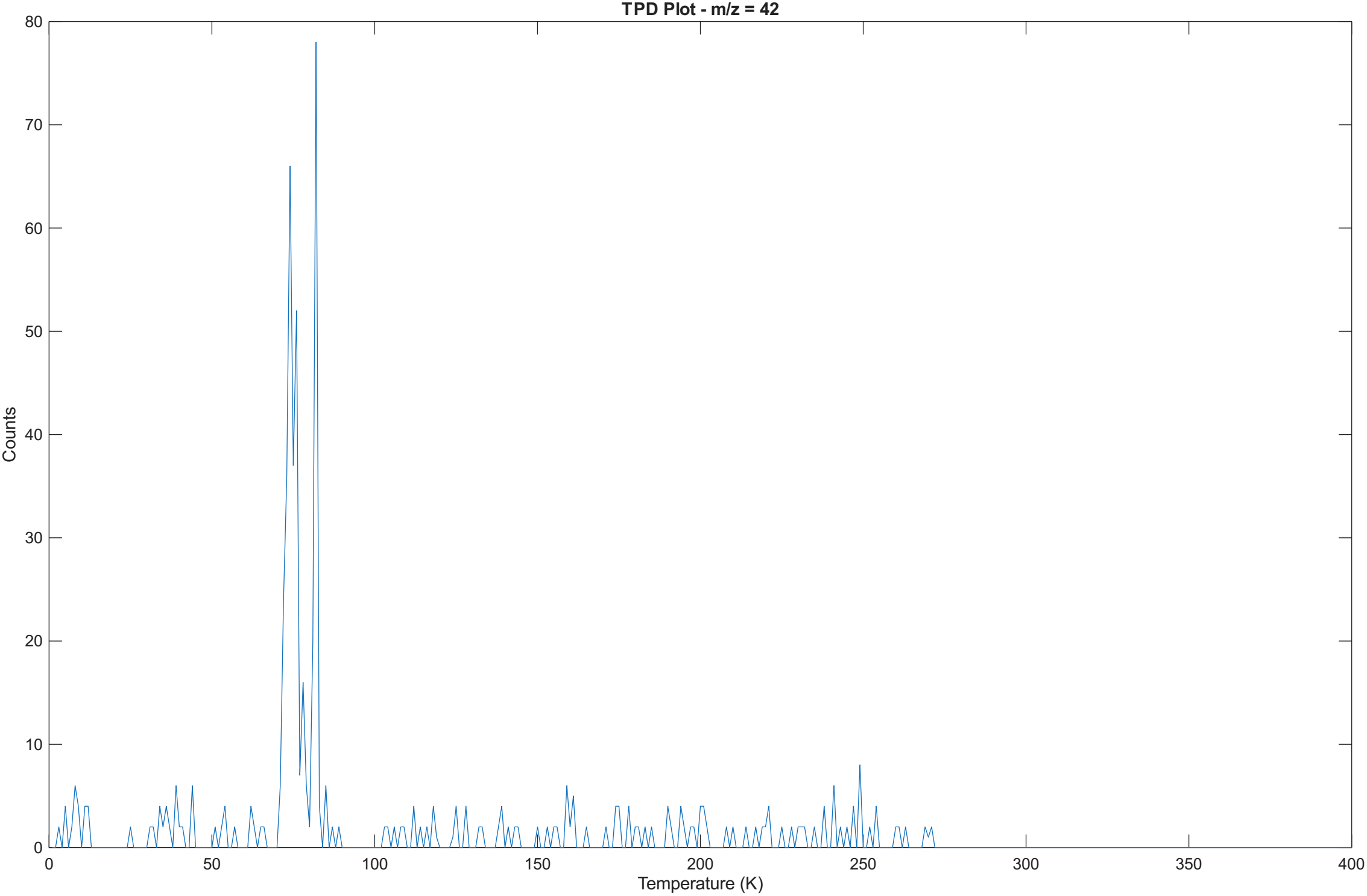

TPD Plot - m/z = 37
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
0
50
100
150
200
250
300
350
400

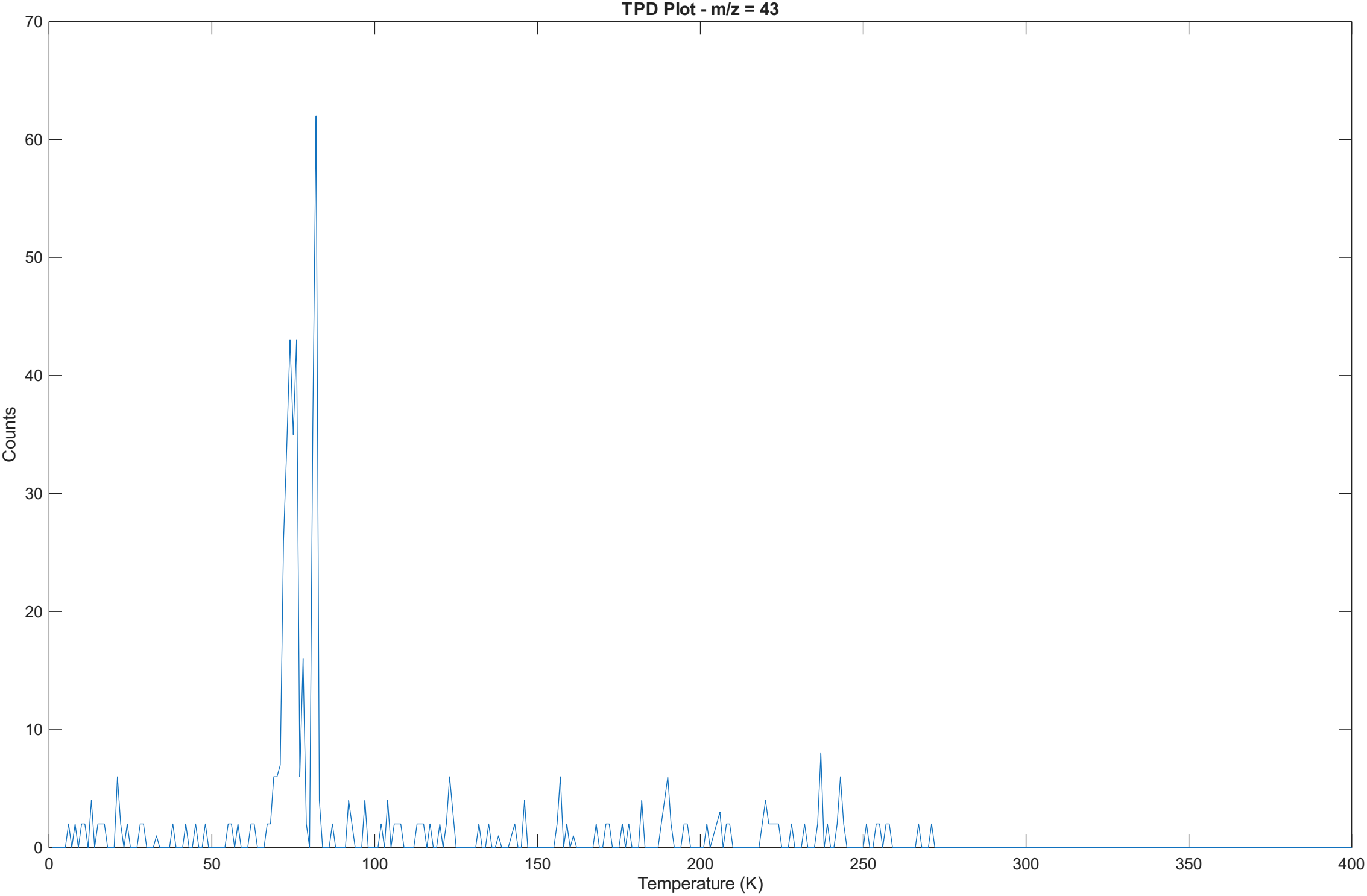

TPD Plot - m/z = 38
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

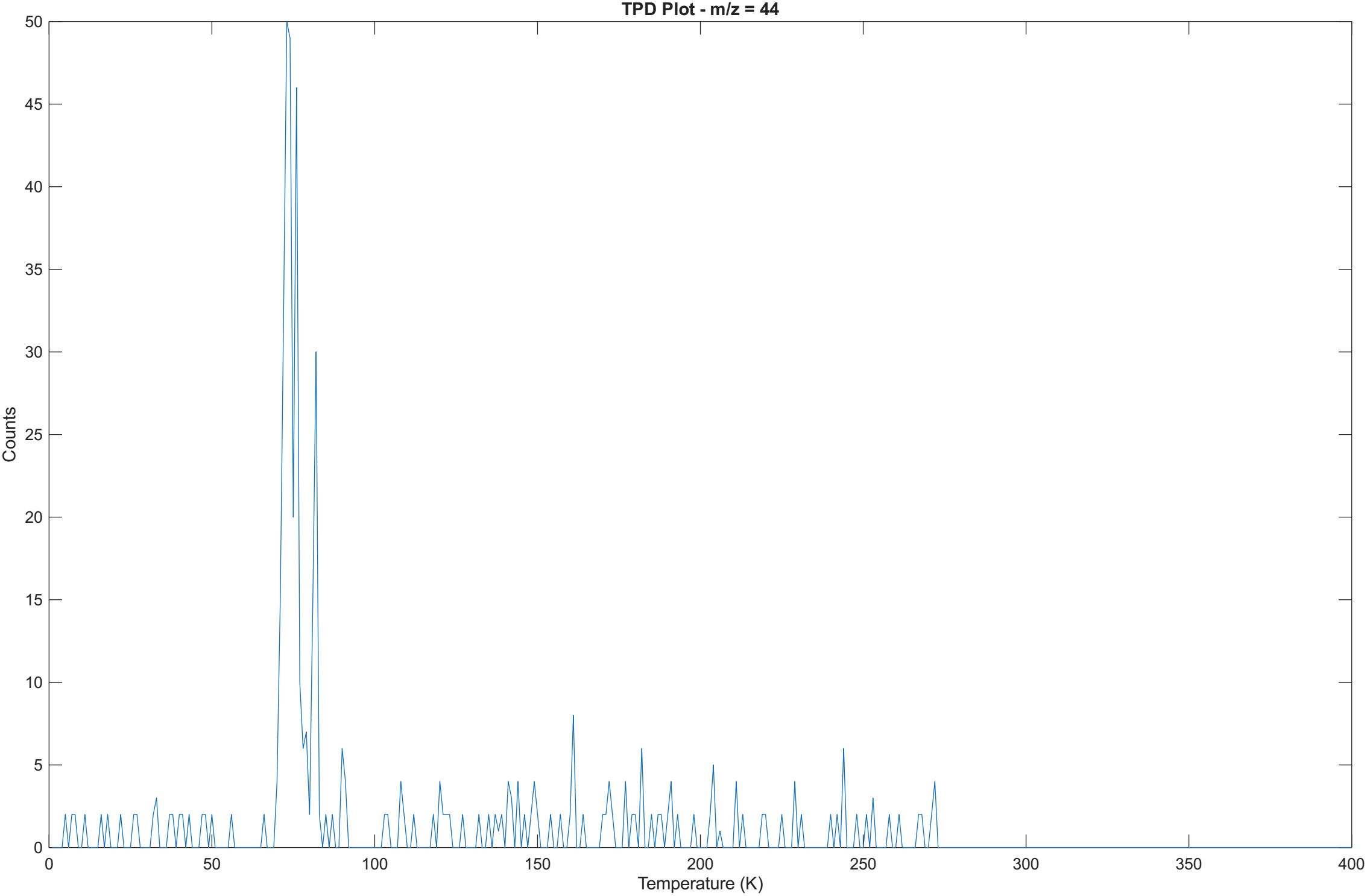

TPD Plot - m/z = 39
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

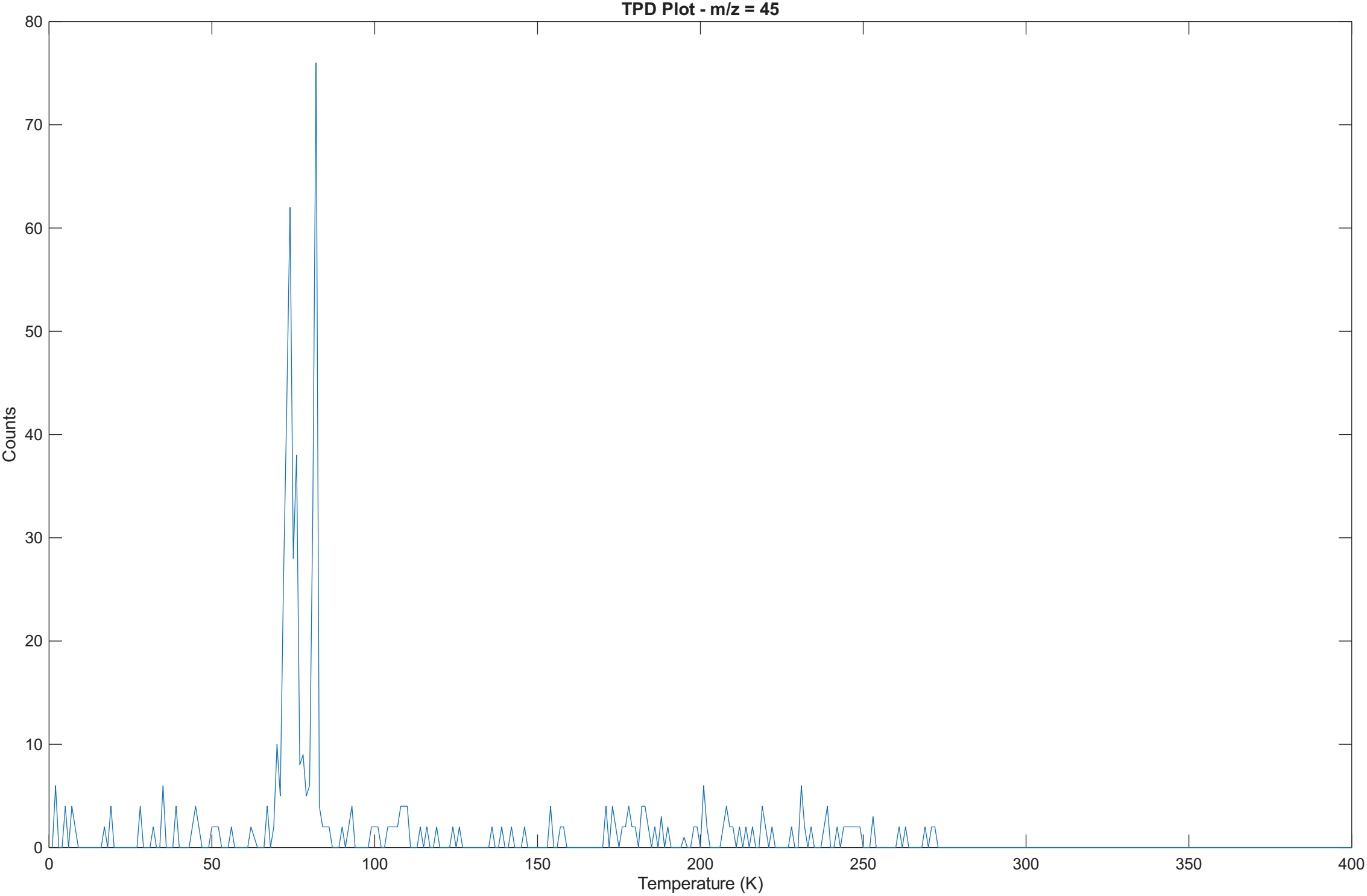

TPD Plot - m/z = 40
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

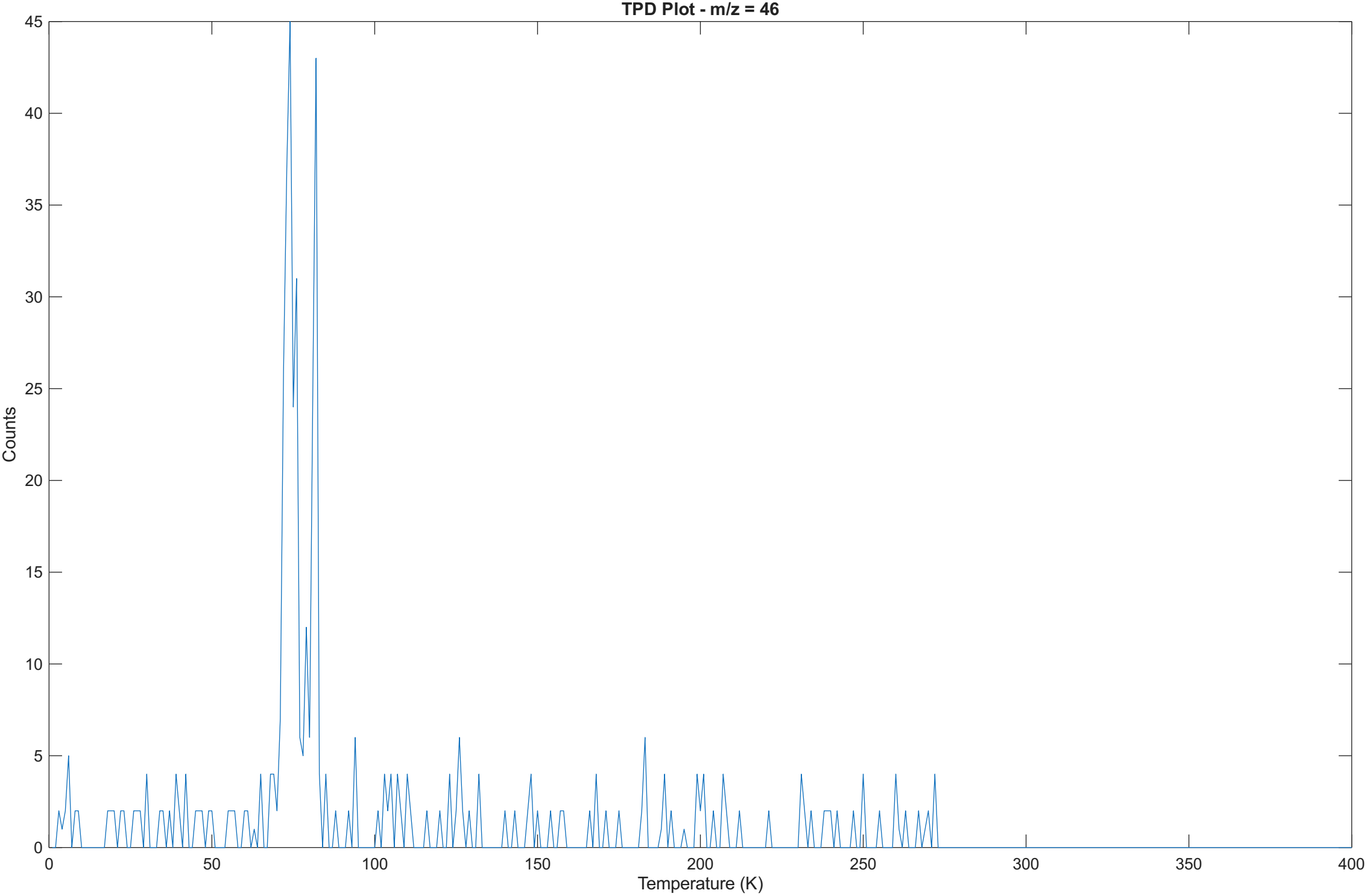

TPD Plot - m/z = 41
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

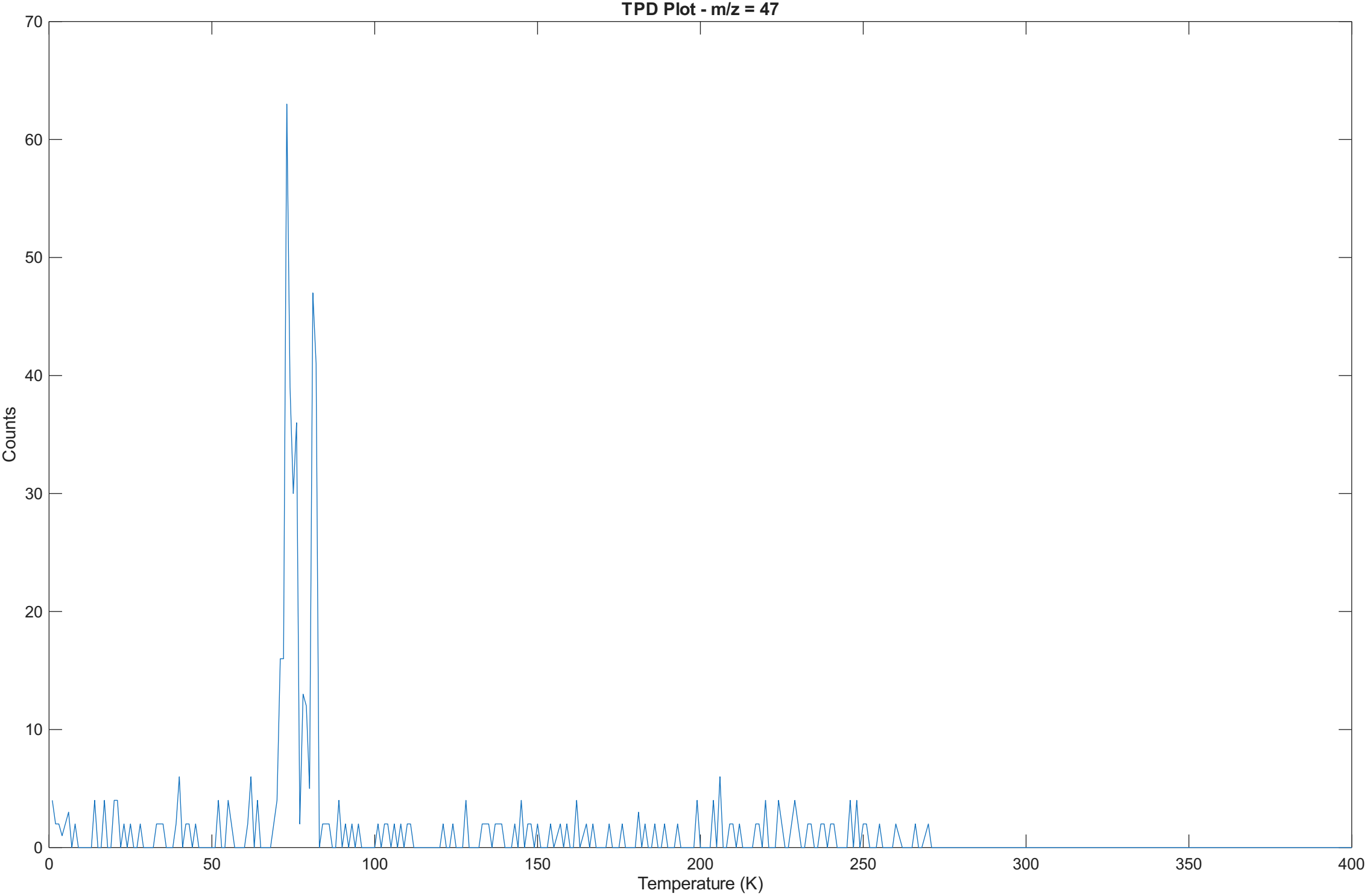

TPD Plot - m/z = 42
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

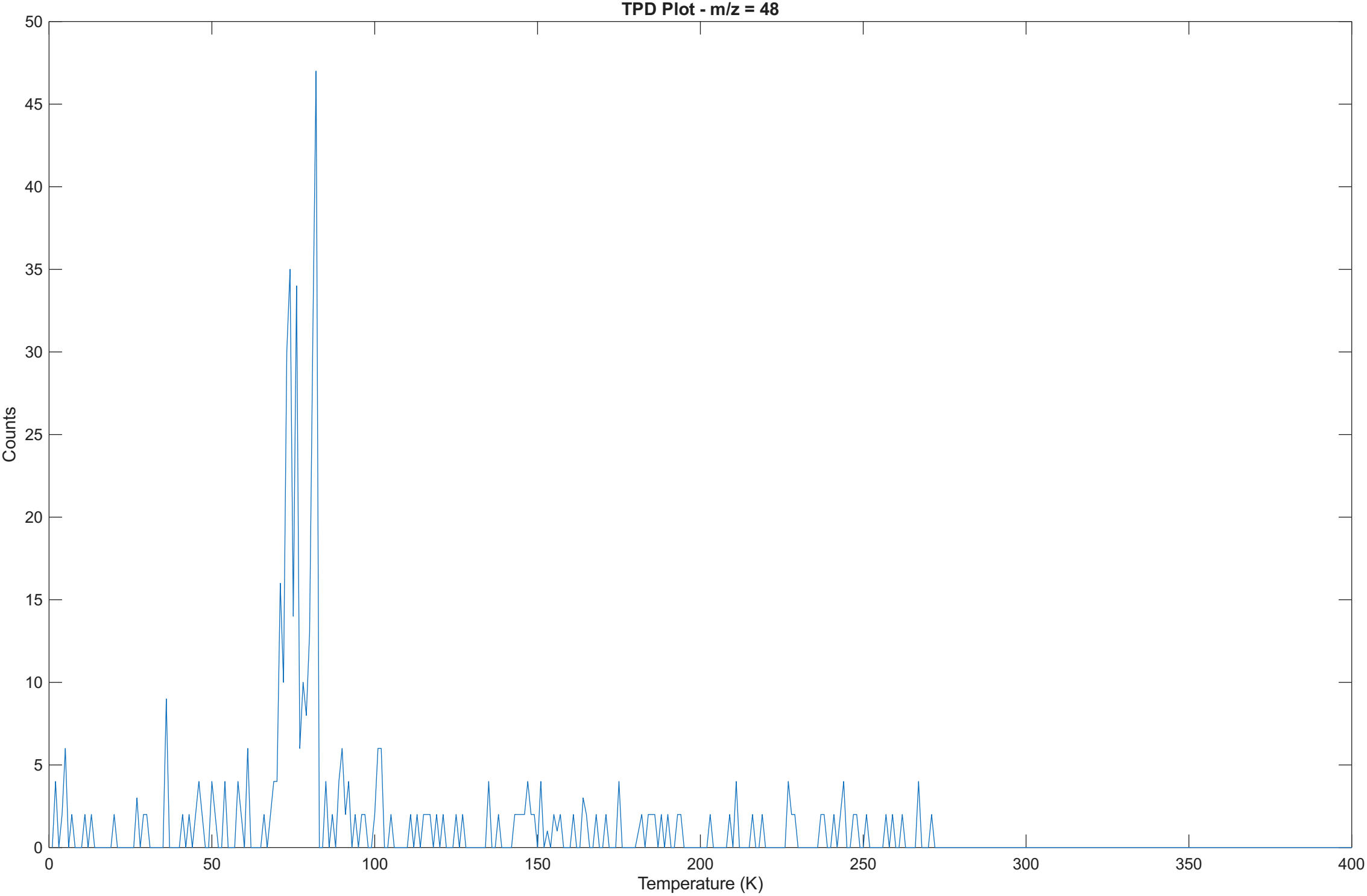

TPD Plot - m/z = 43
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

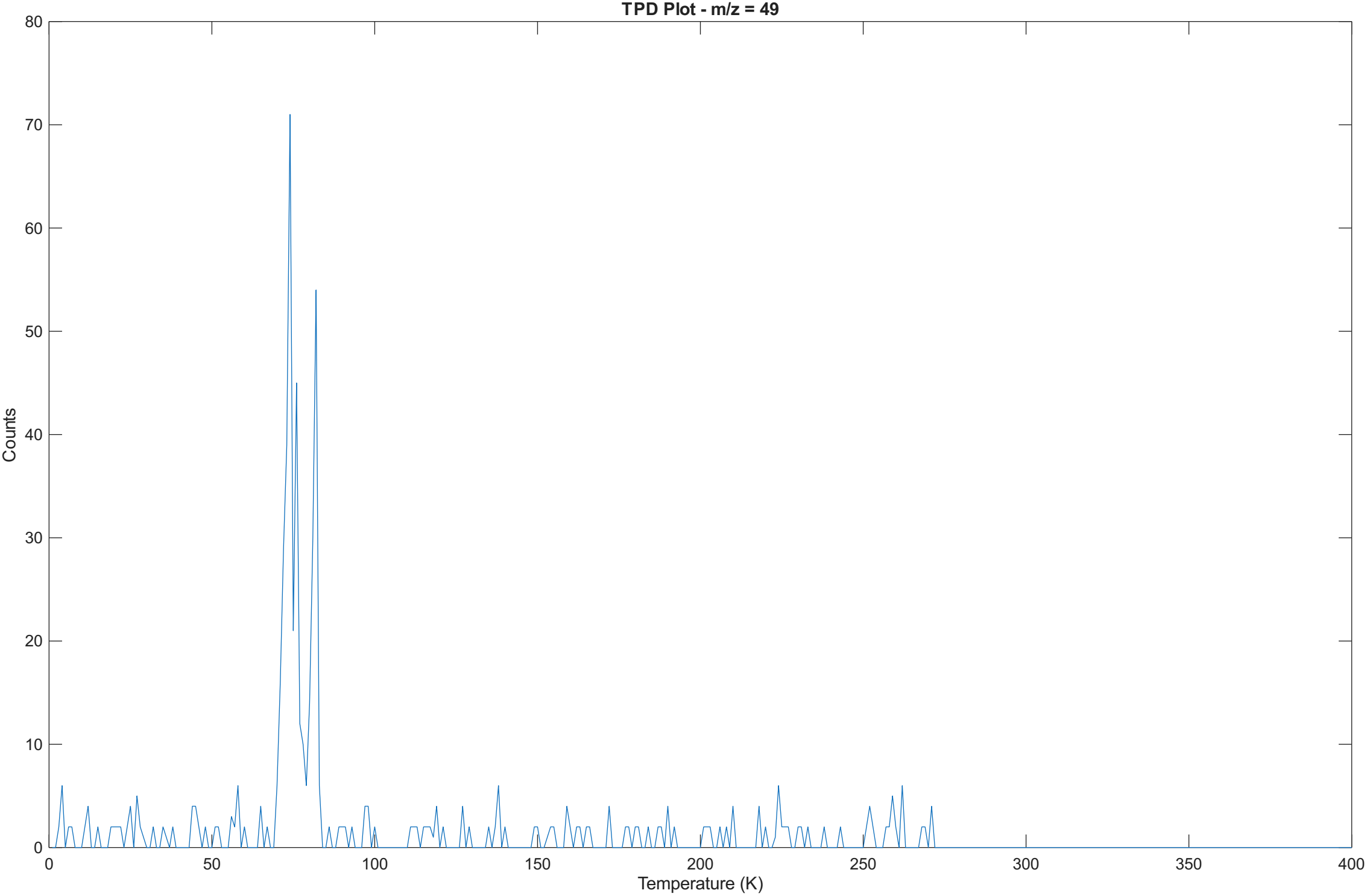

TPD Plot - m/z = 44
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

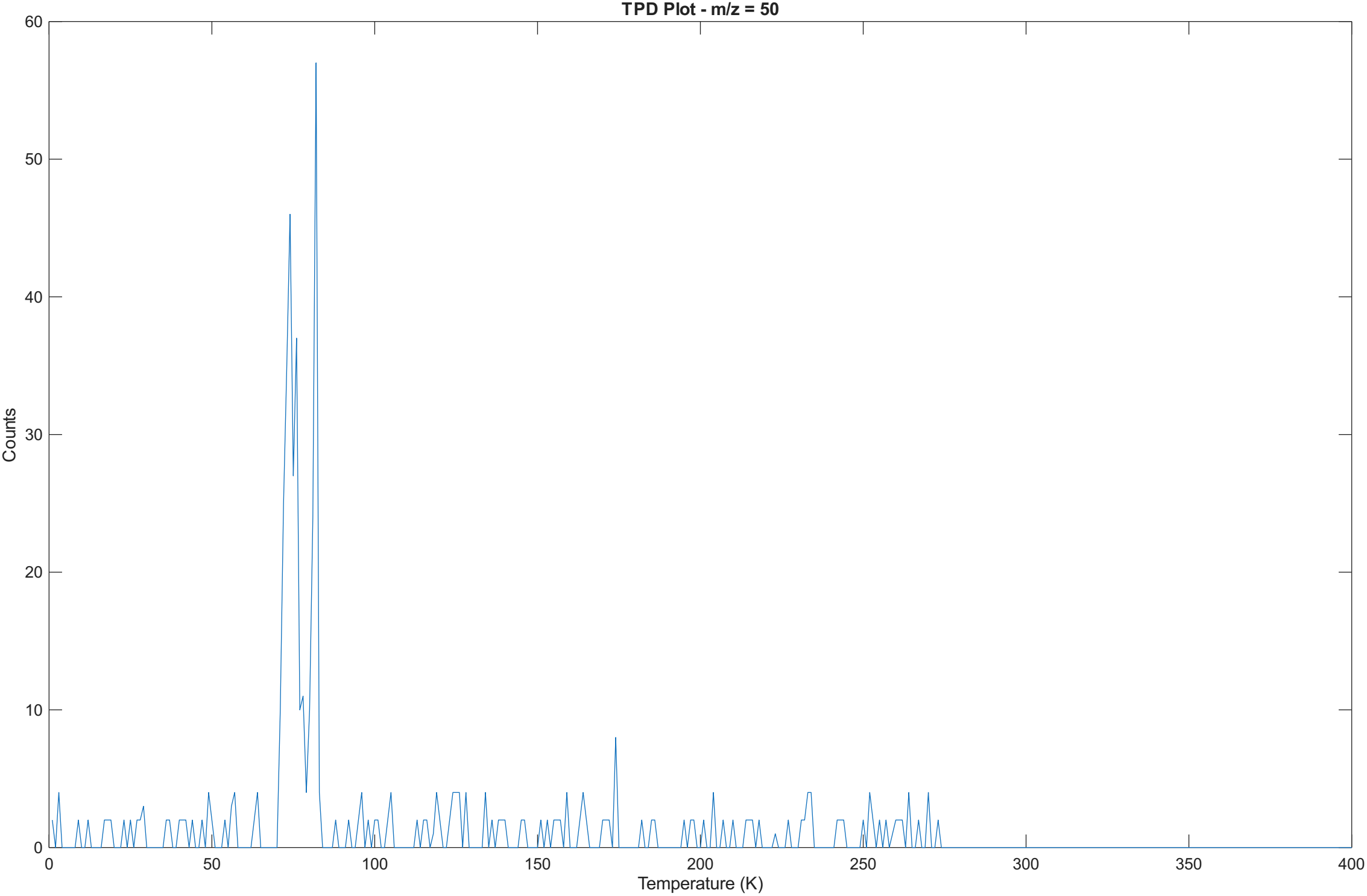

TPD Plot - m/z = 45
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

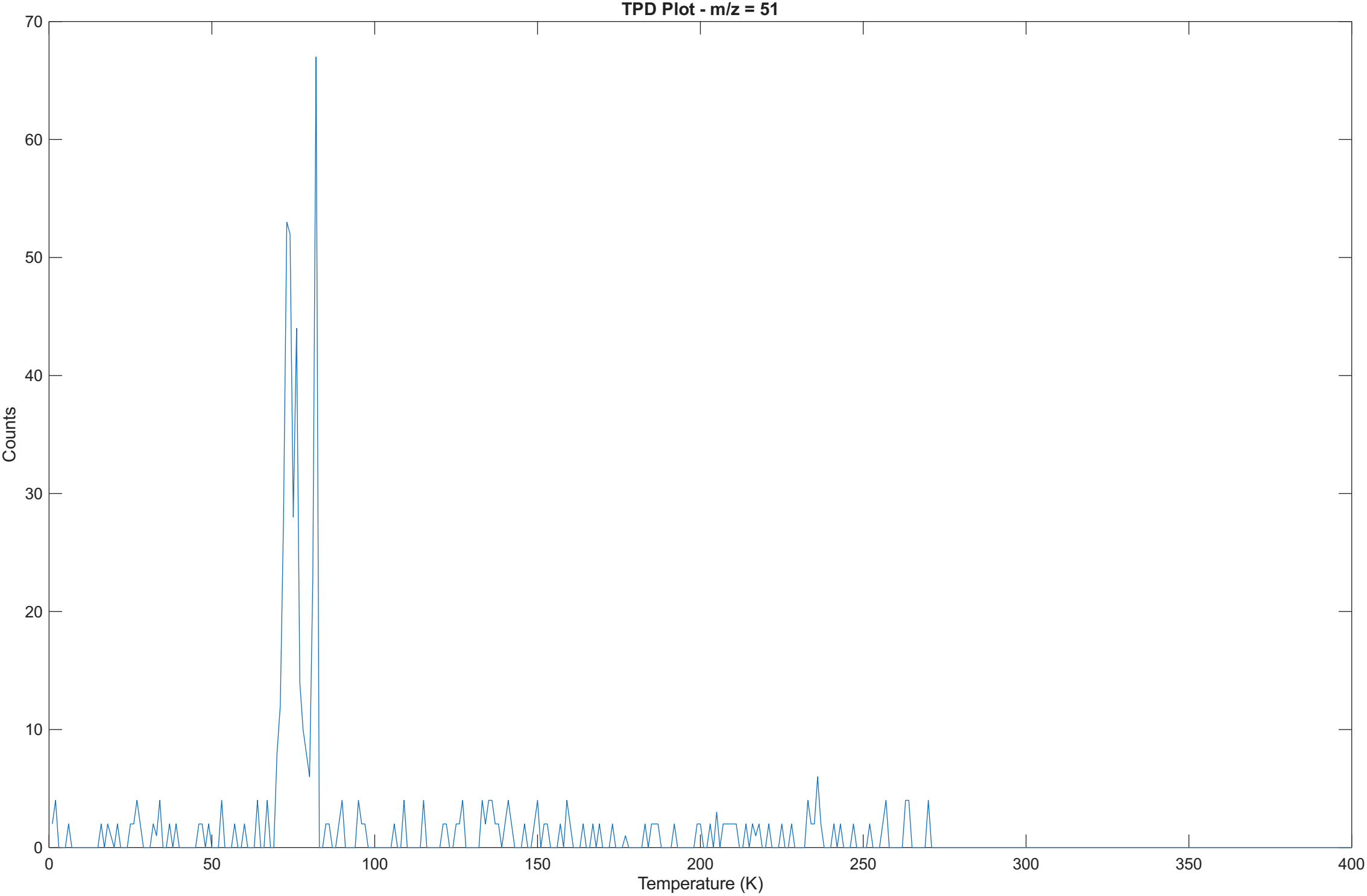

TPD Plot - m/z = 46
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

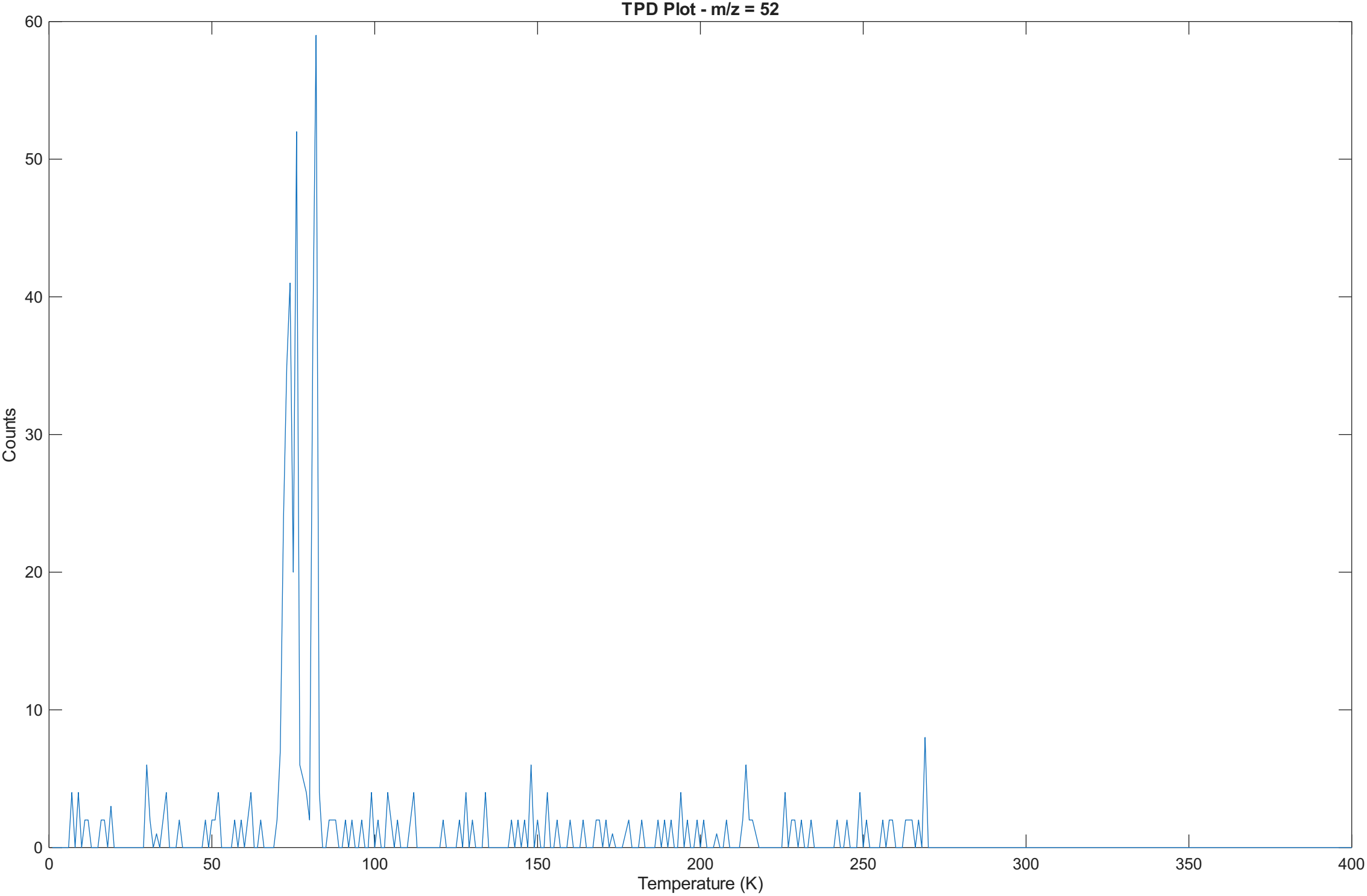

TPD Plot - m/z = 47
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

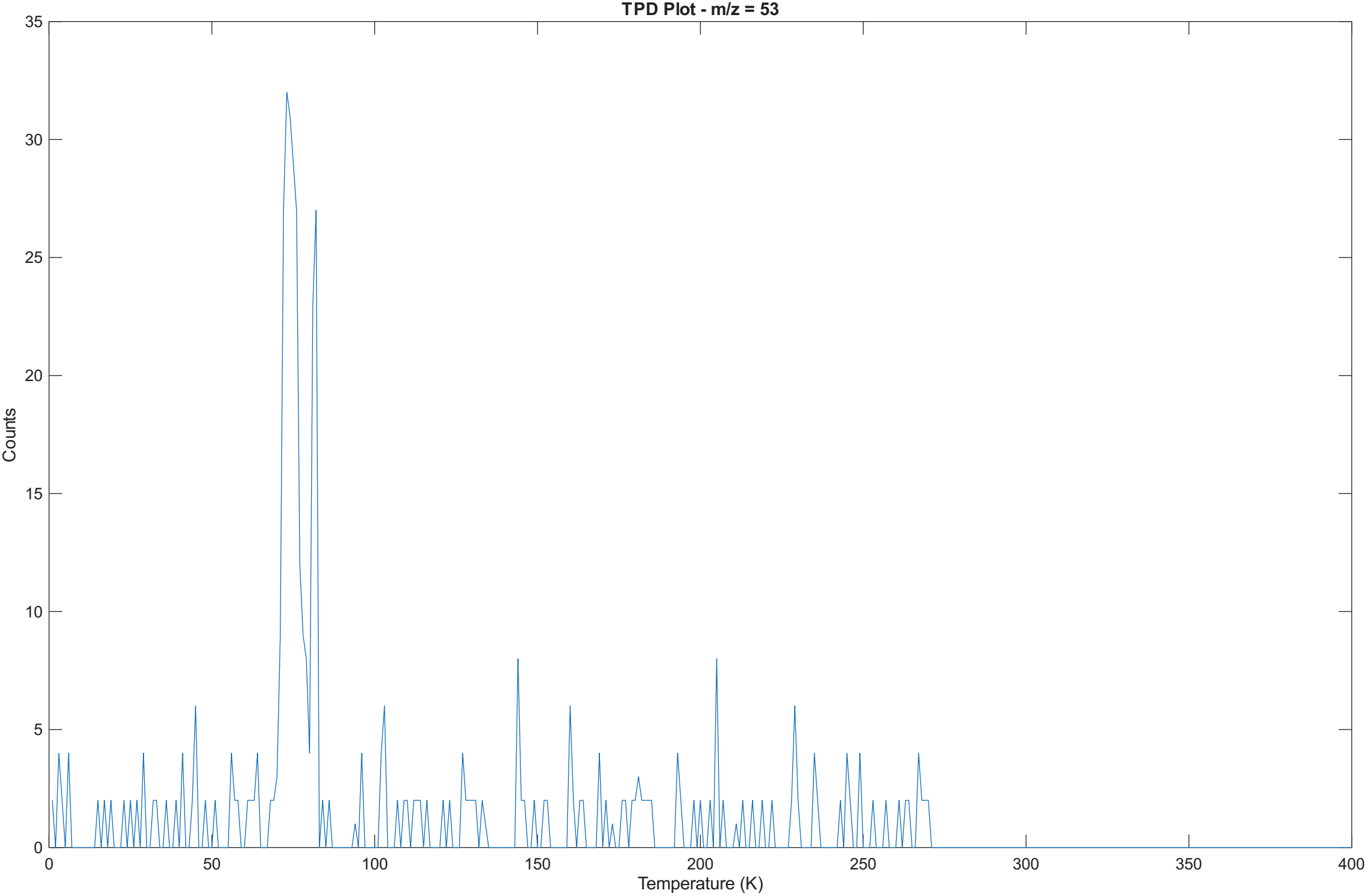

TPD Plot - m/z = 48
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

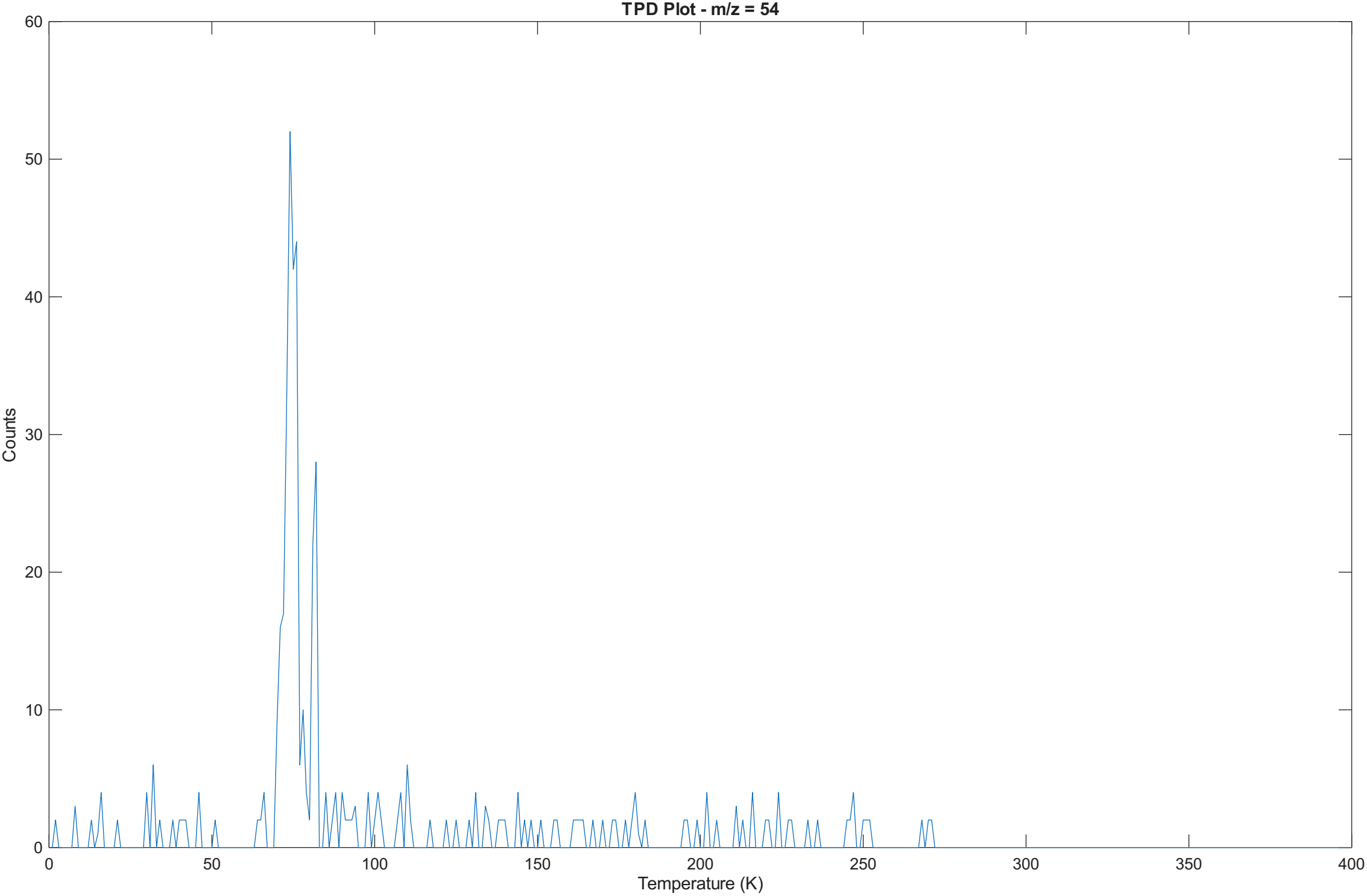

TPD Plot - m/z = 49
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

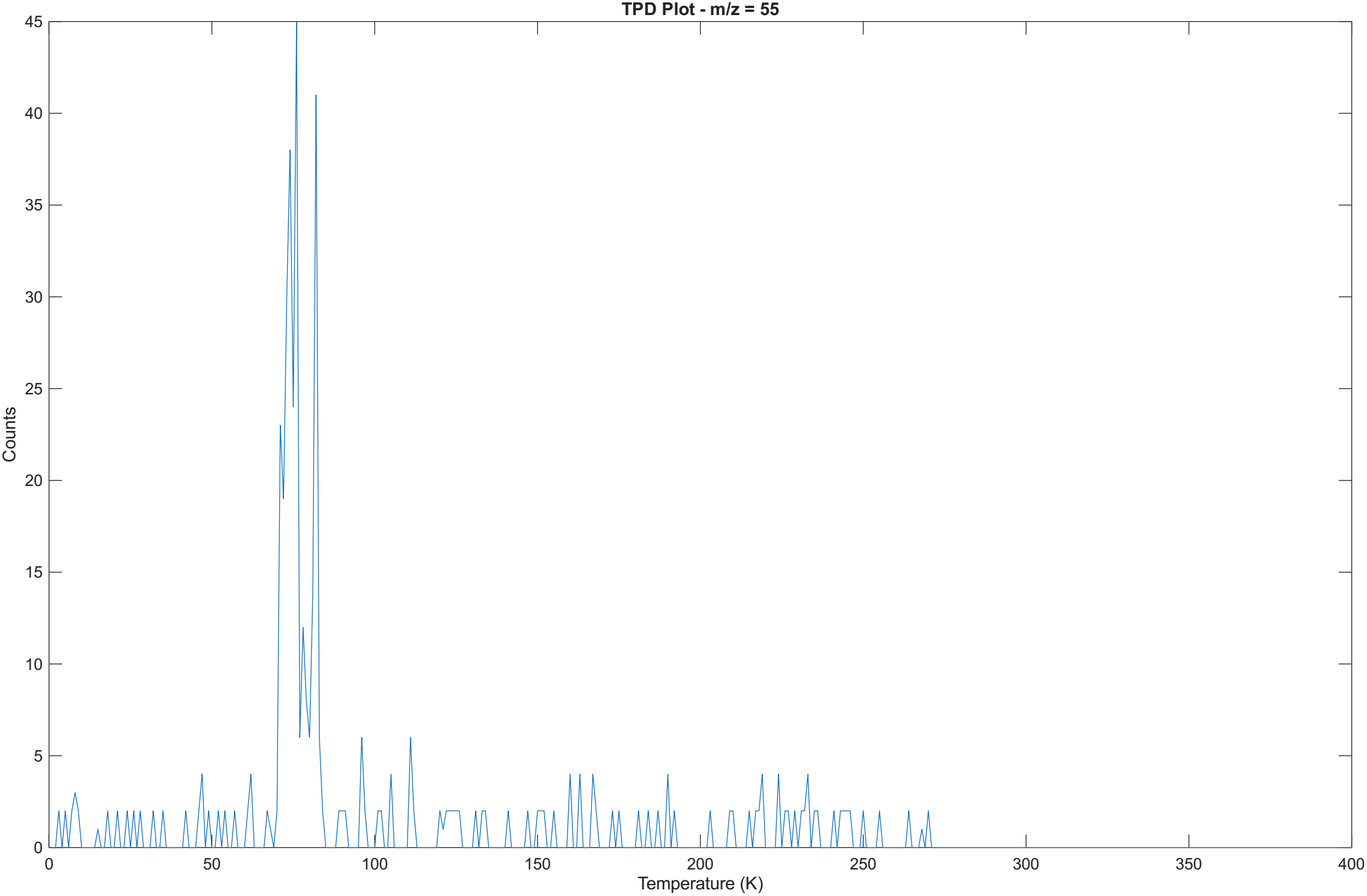

TPD Plot - m/z = 50
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

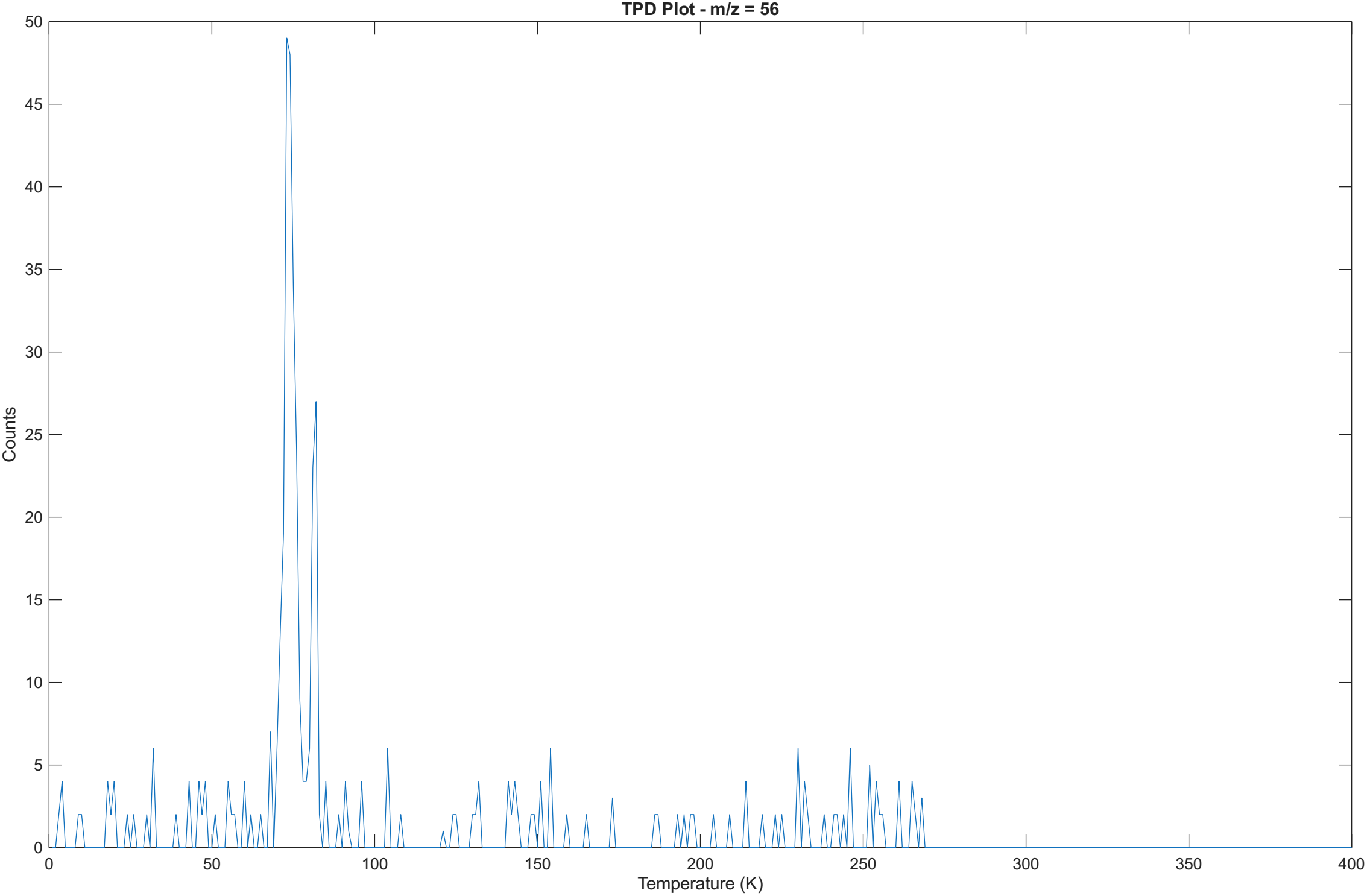

TPD Plot - m/z = 51
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

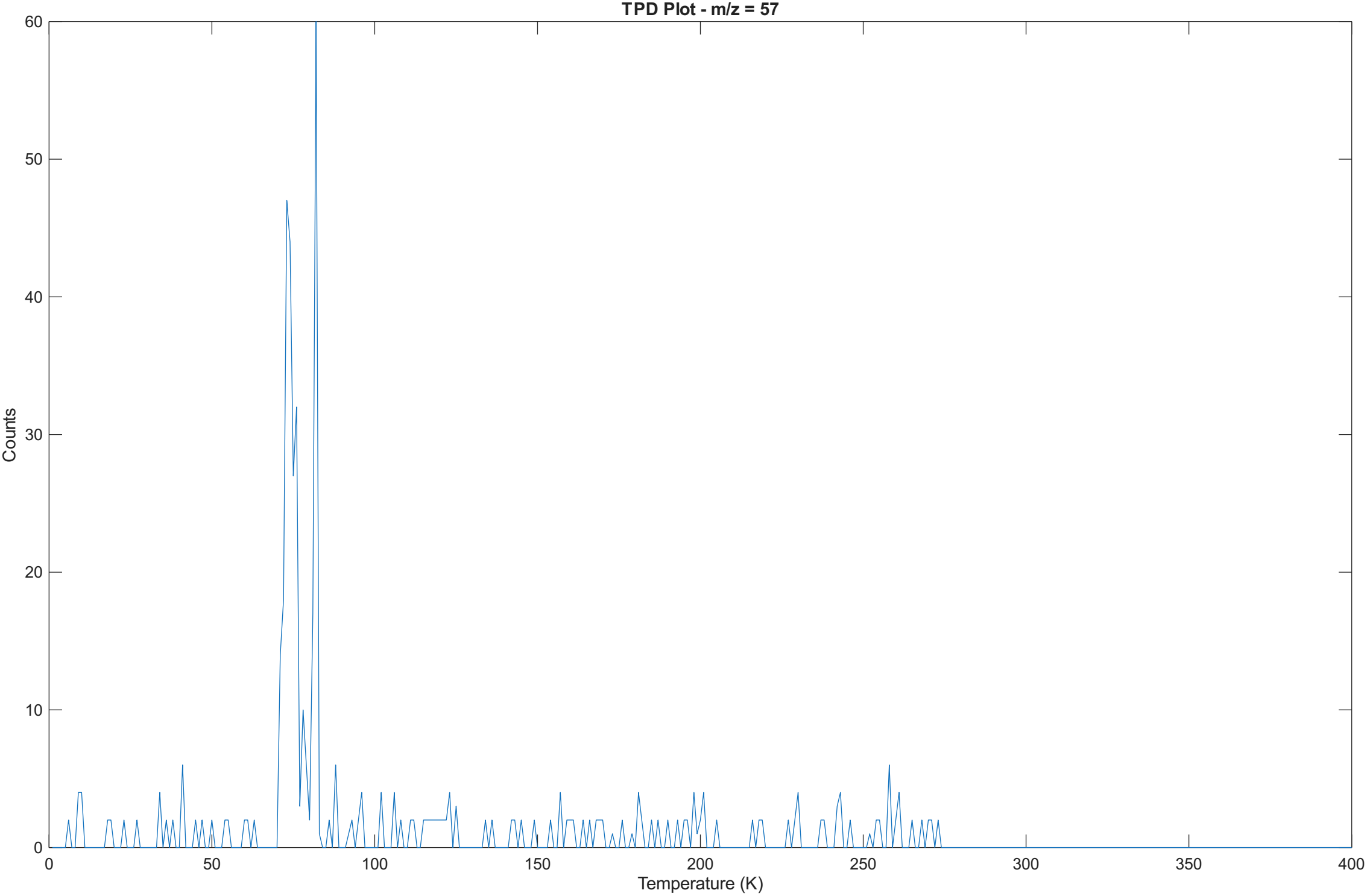

TPD Plot - m/z = 52
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

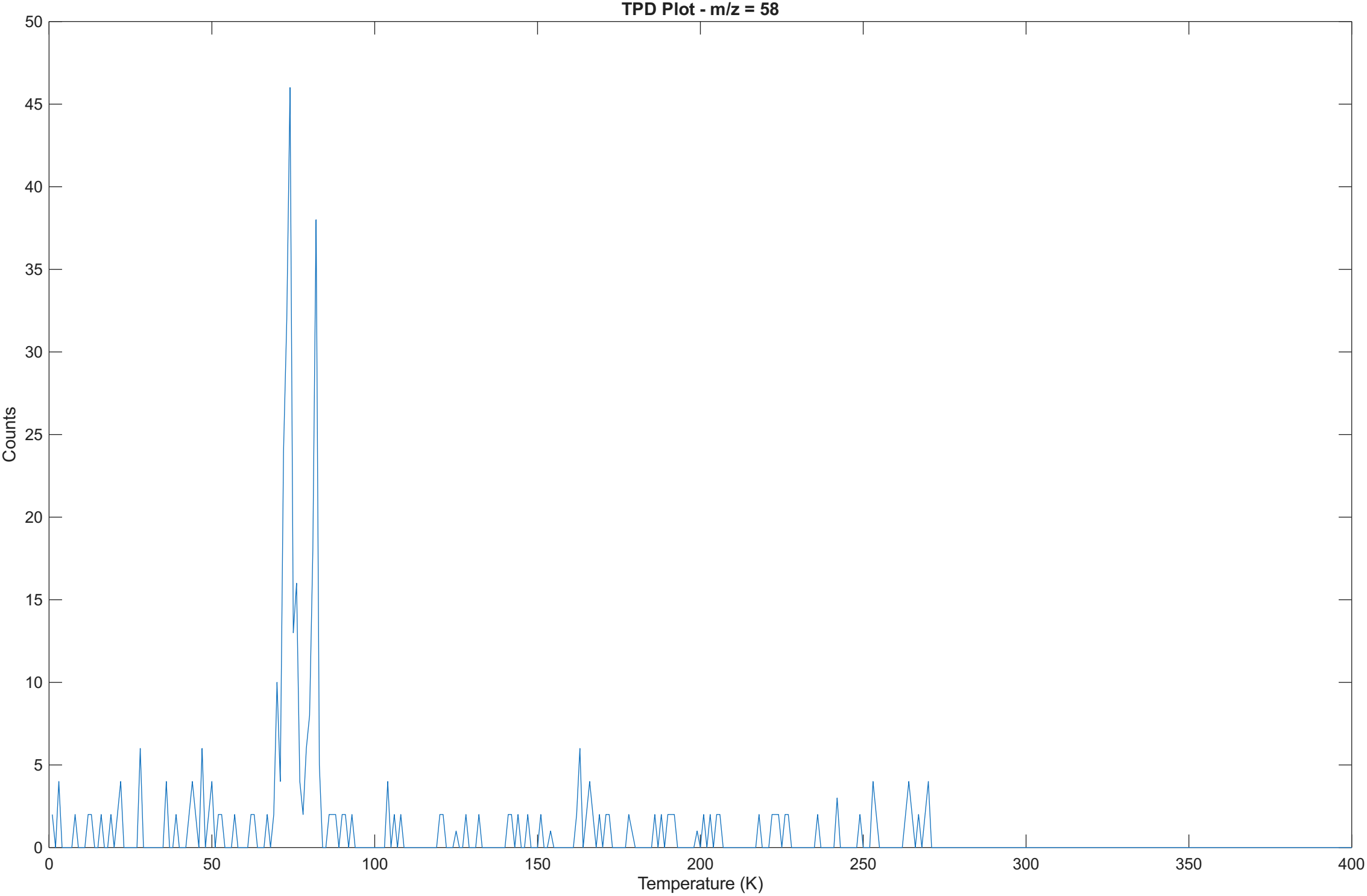

TPD Plot - m/z = 53
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

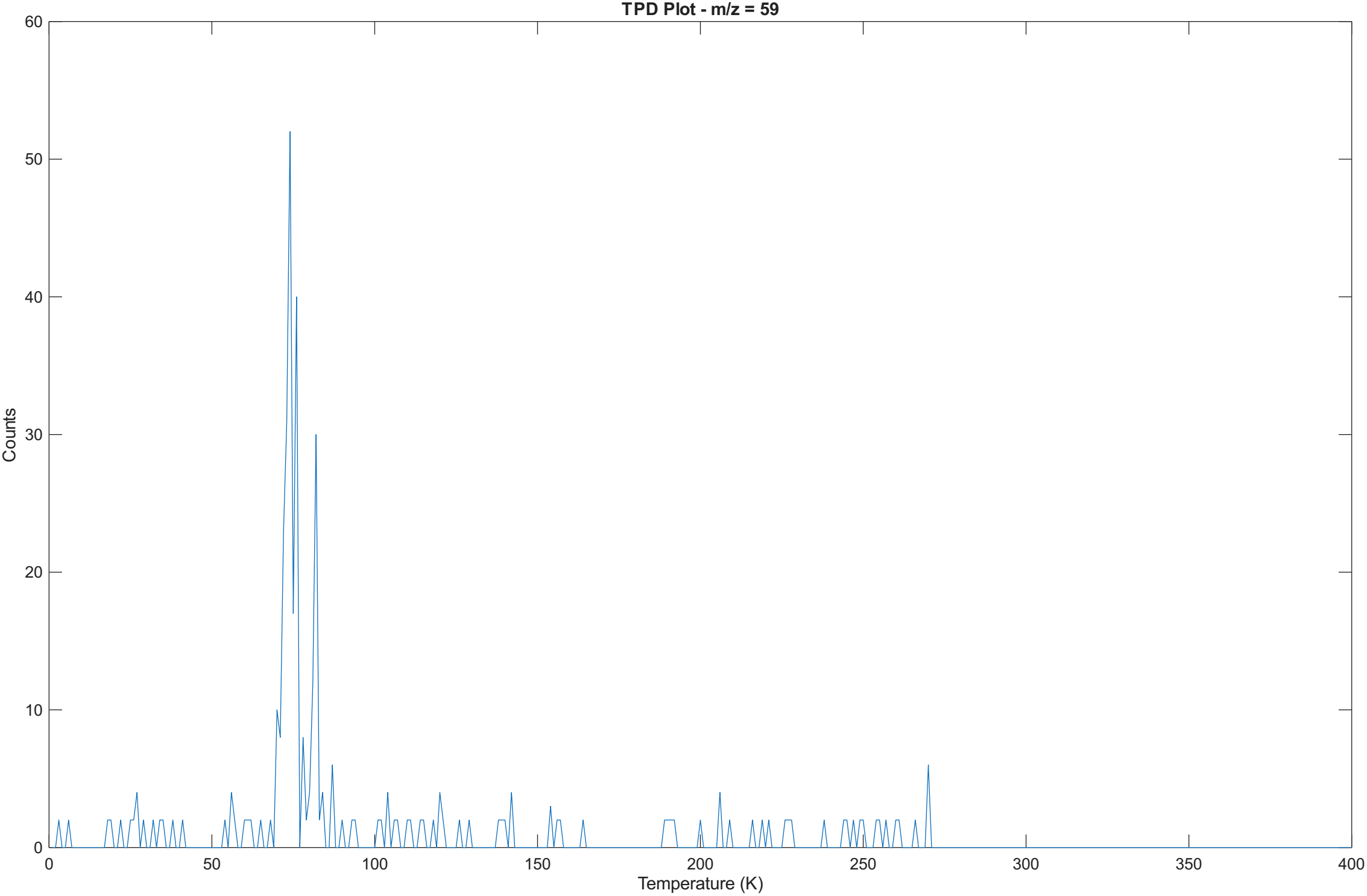

TPD Plot - m/z = 54
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

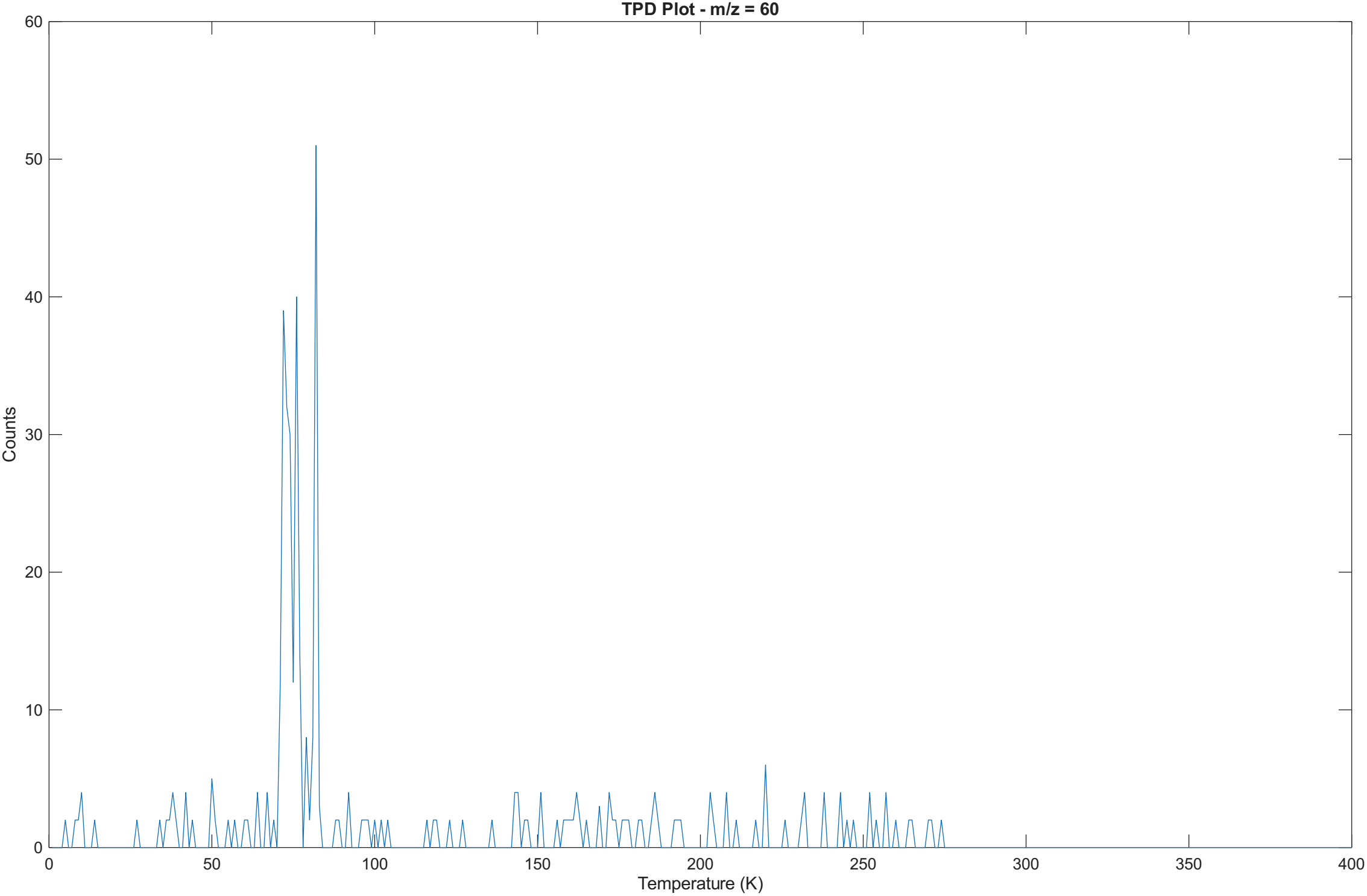

TPD Plot - m/z = 55
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

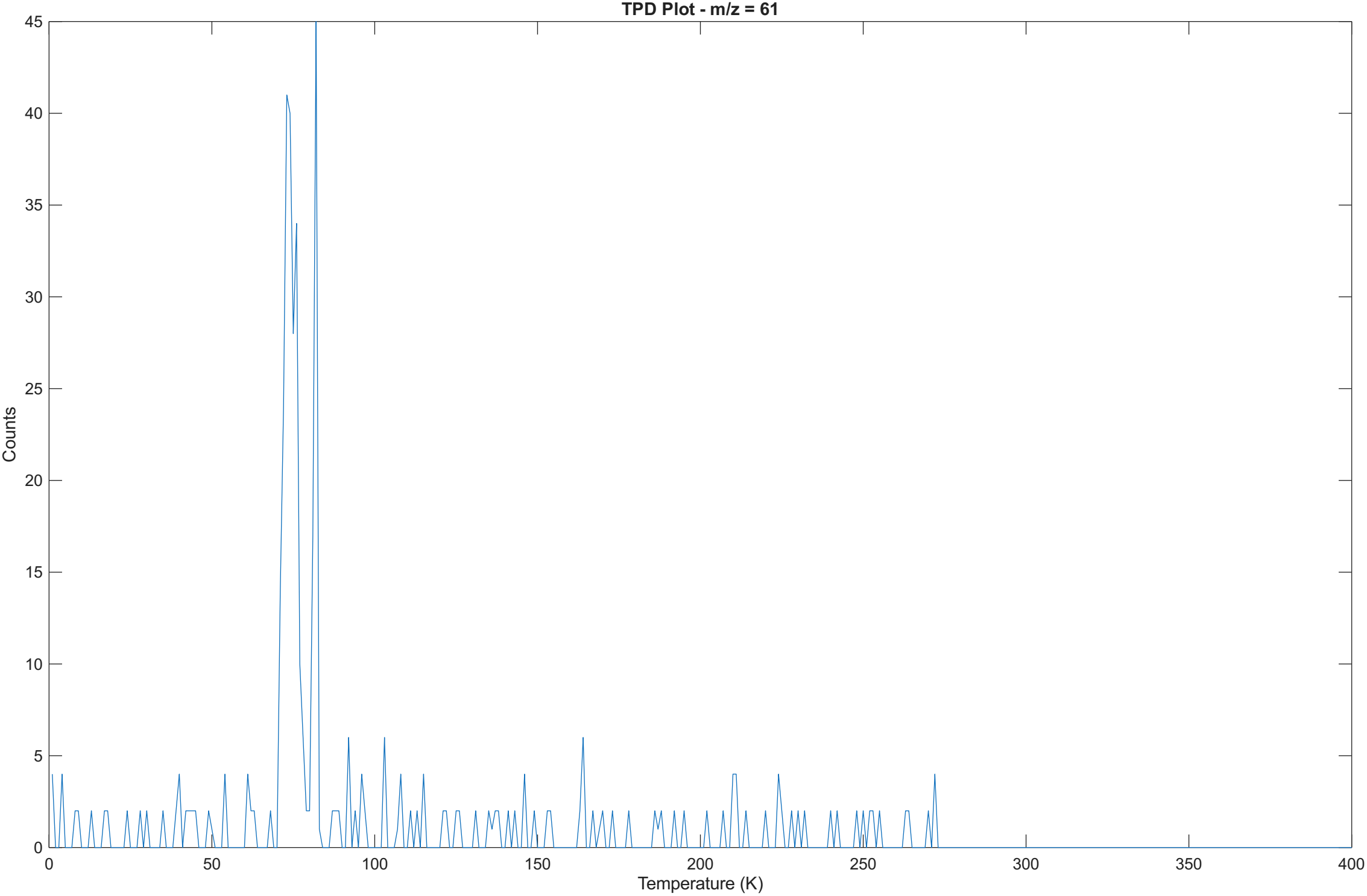

TPD Plot - m/z = 56
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

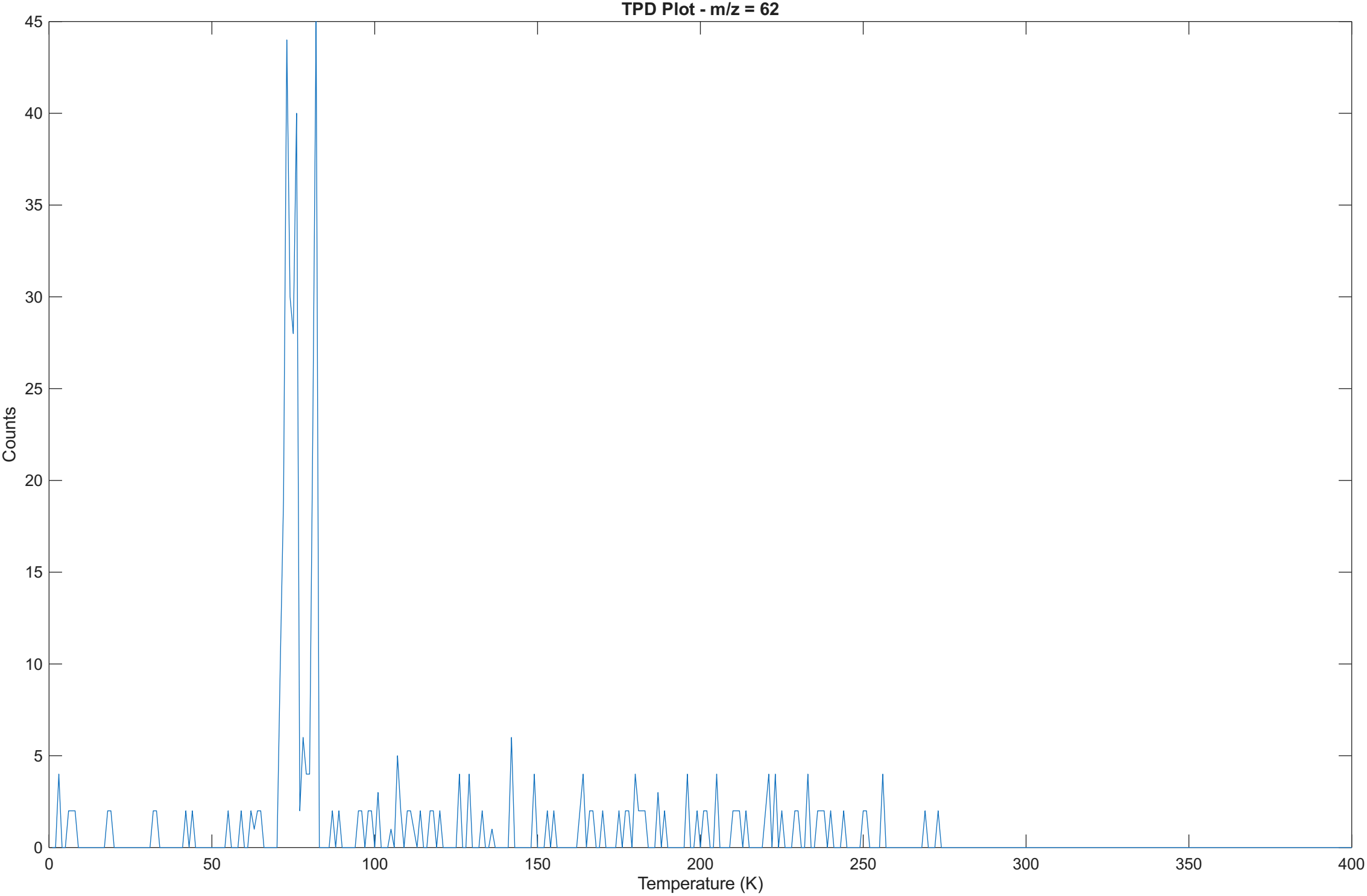

TPD Plot - m/z = 57
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

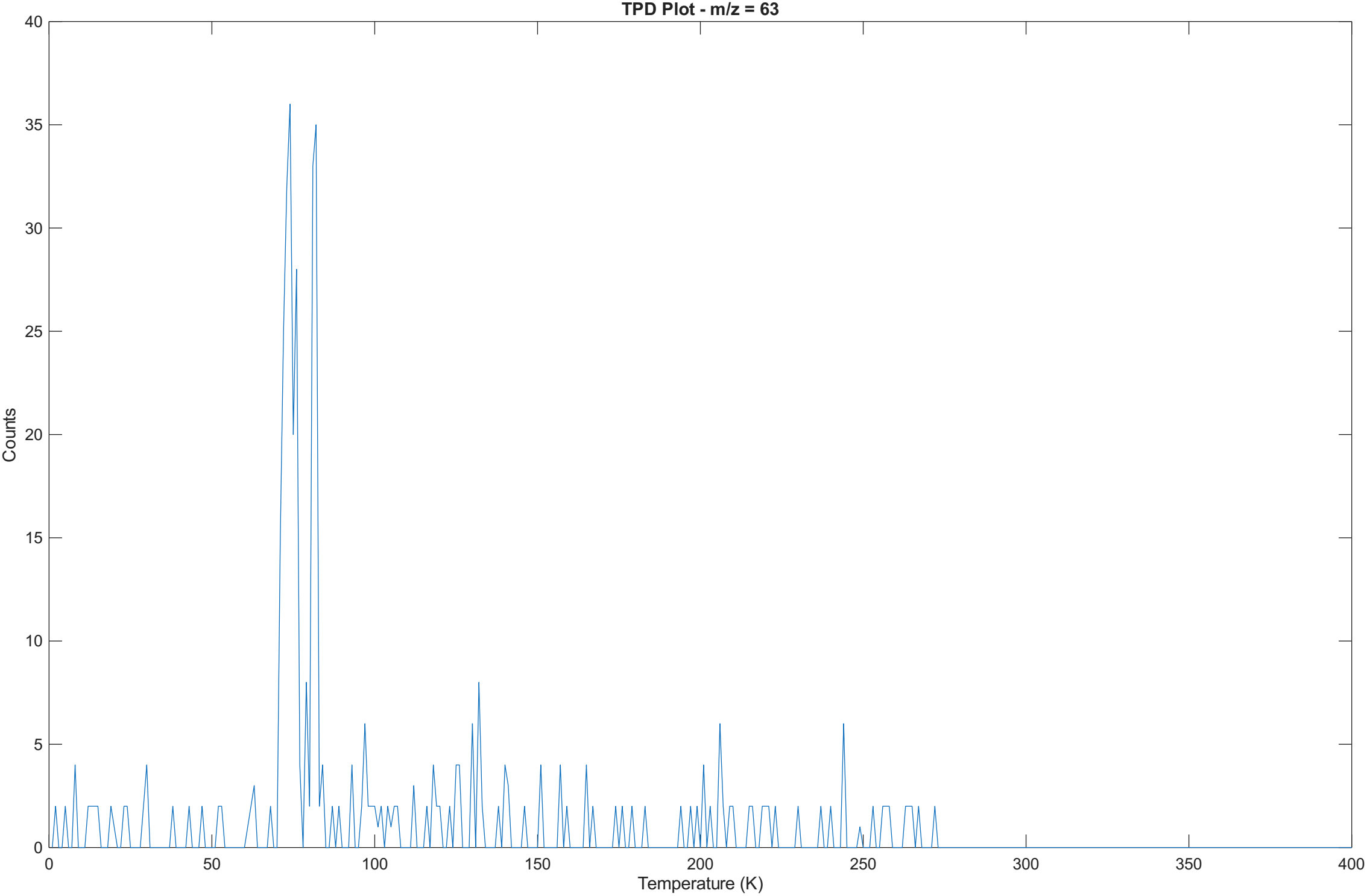

TPD Plot - m/z = 58
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

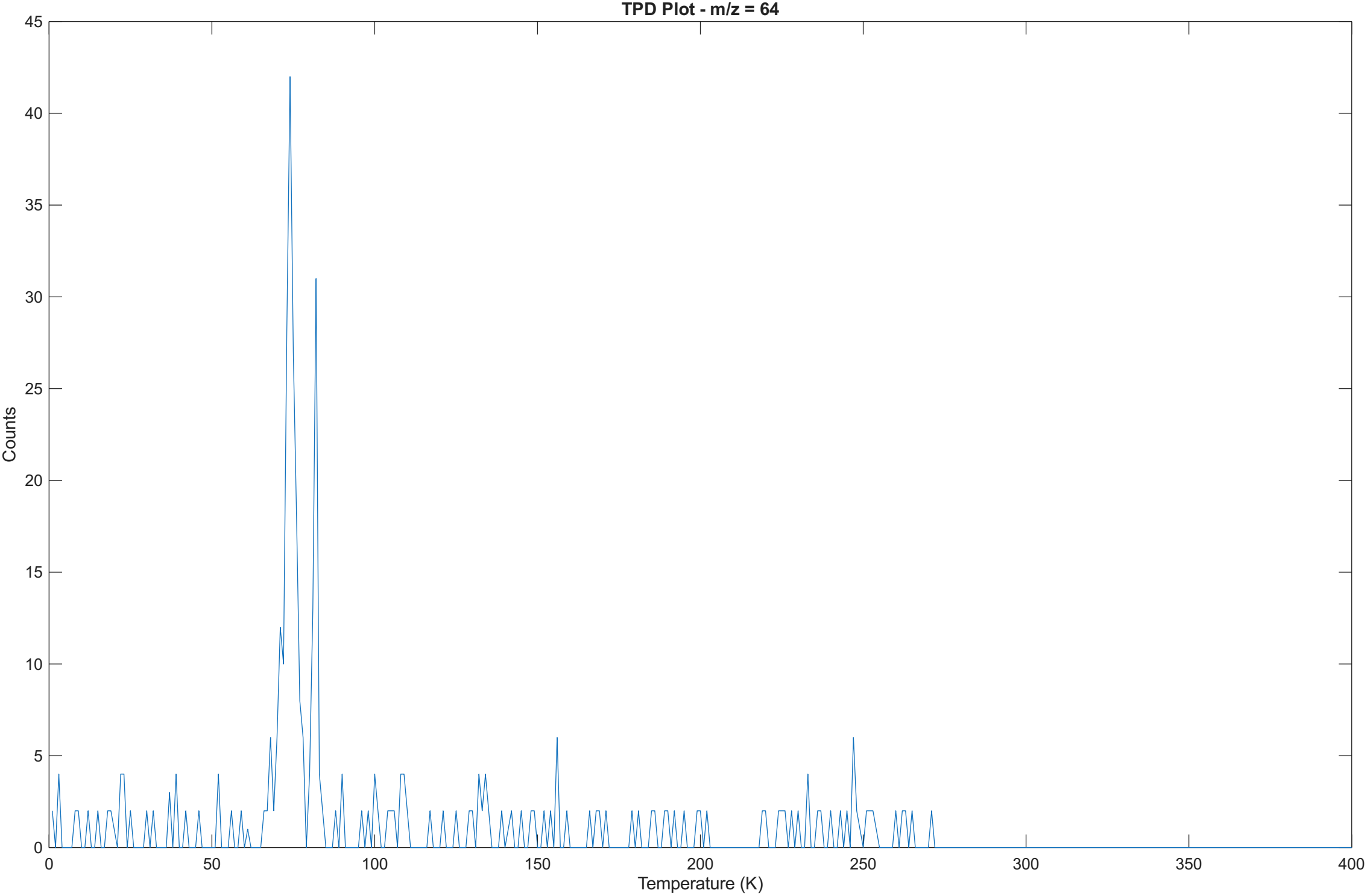

TPD Plot - m/z = 59
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

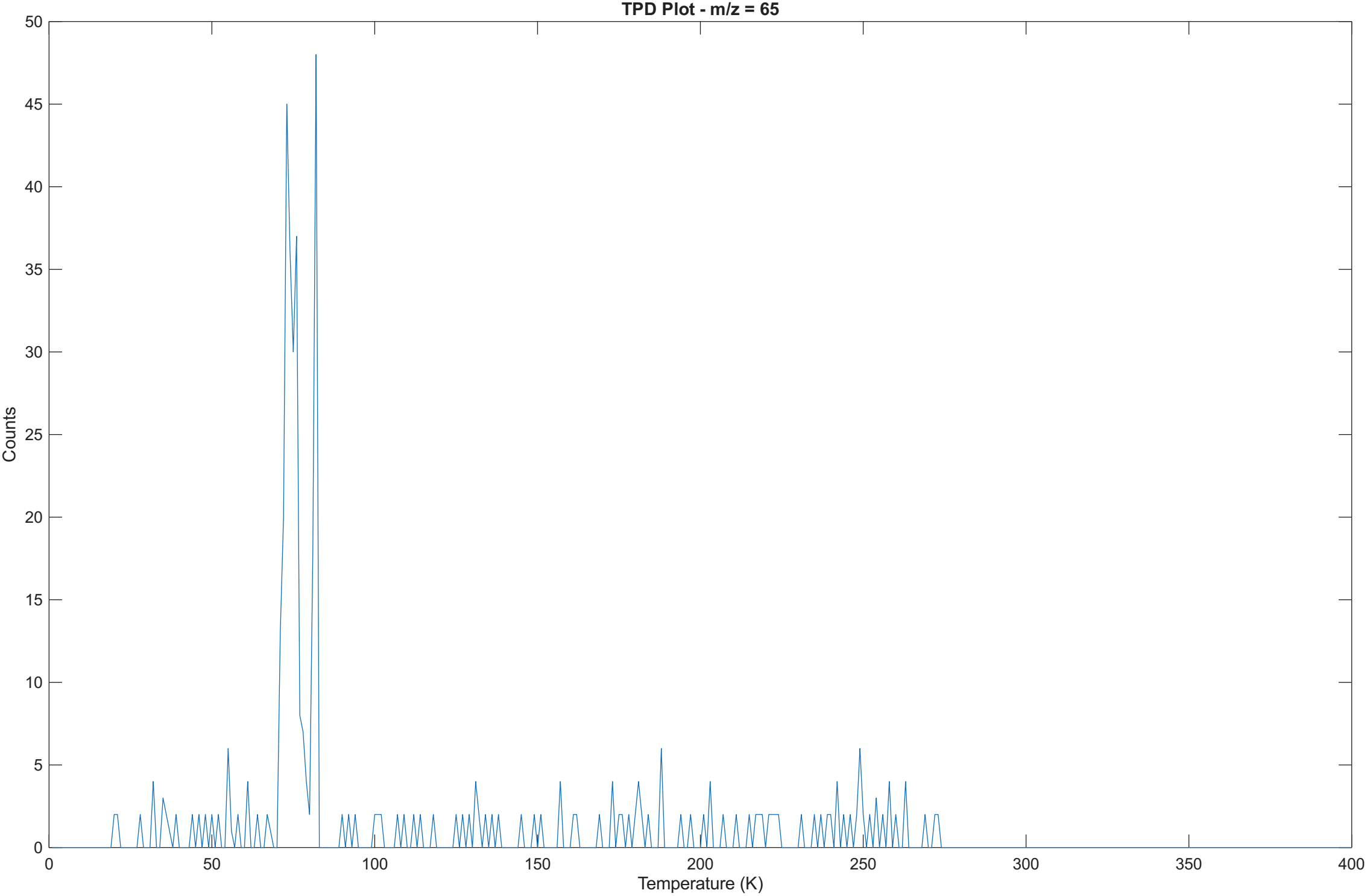

TPD Plot - m/z = 60
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

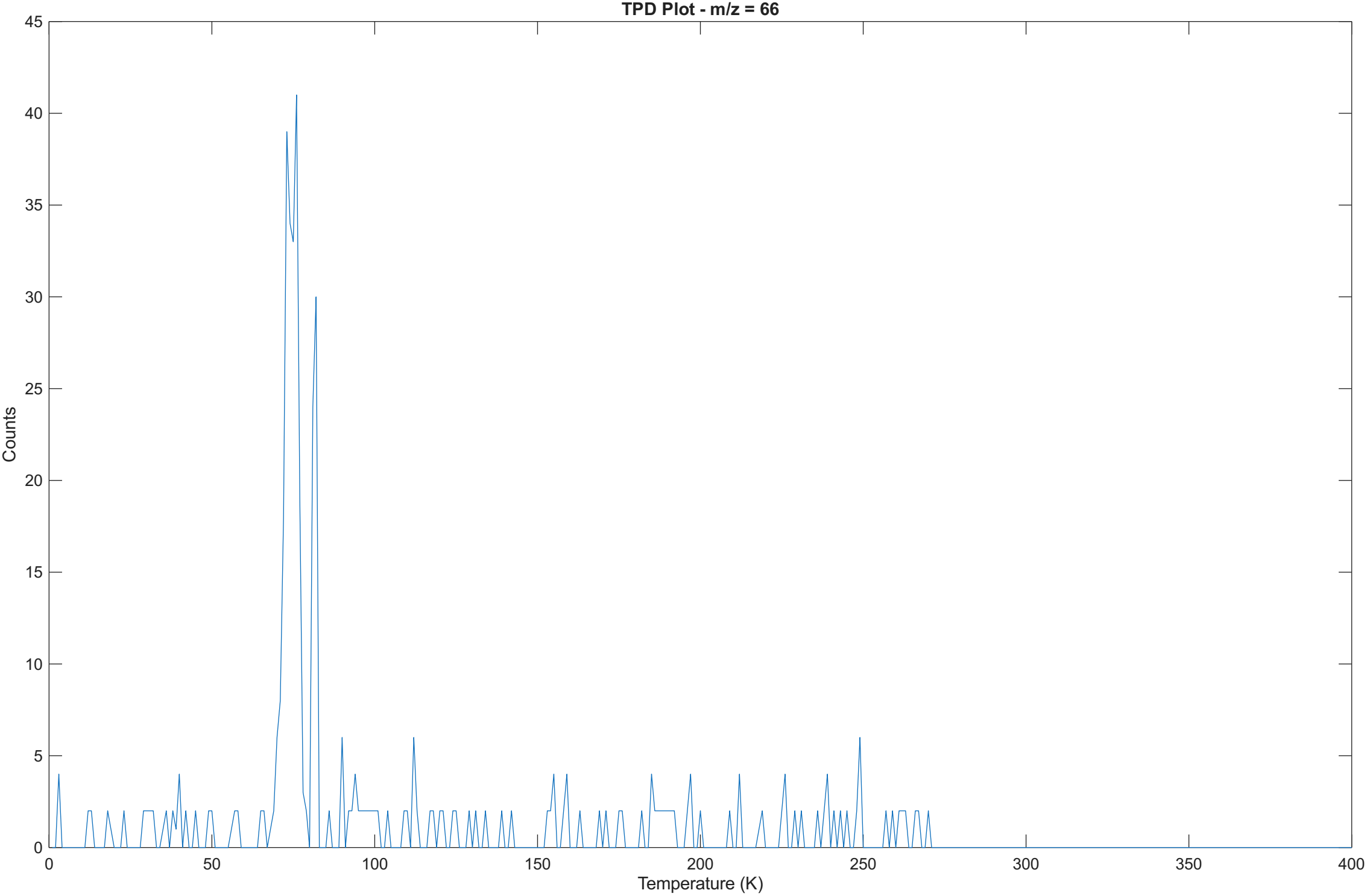

TPD Plot - m/z = 61
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

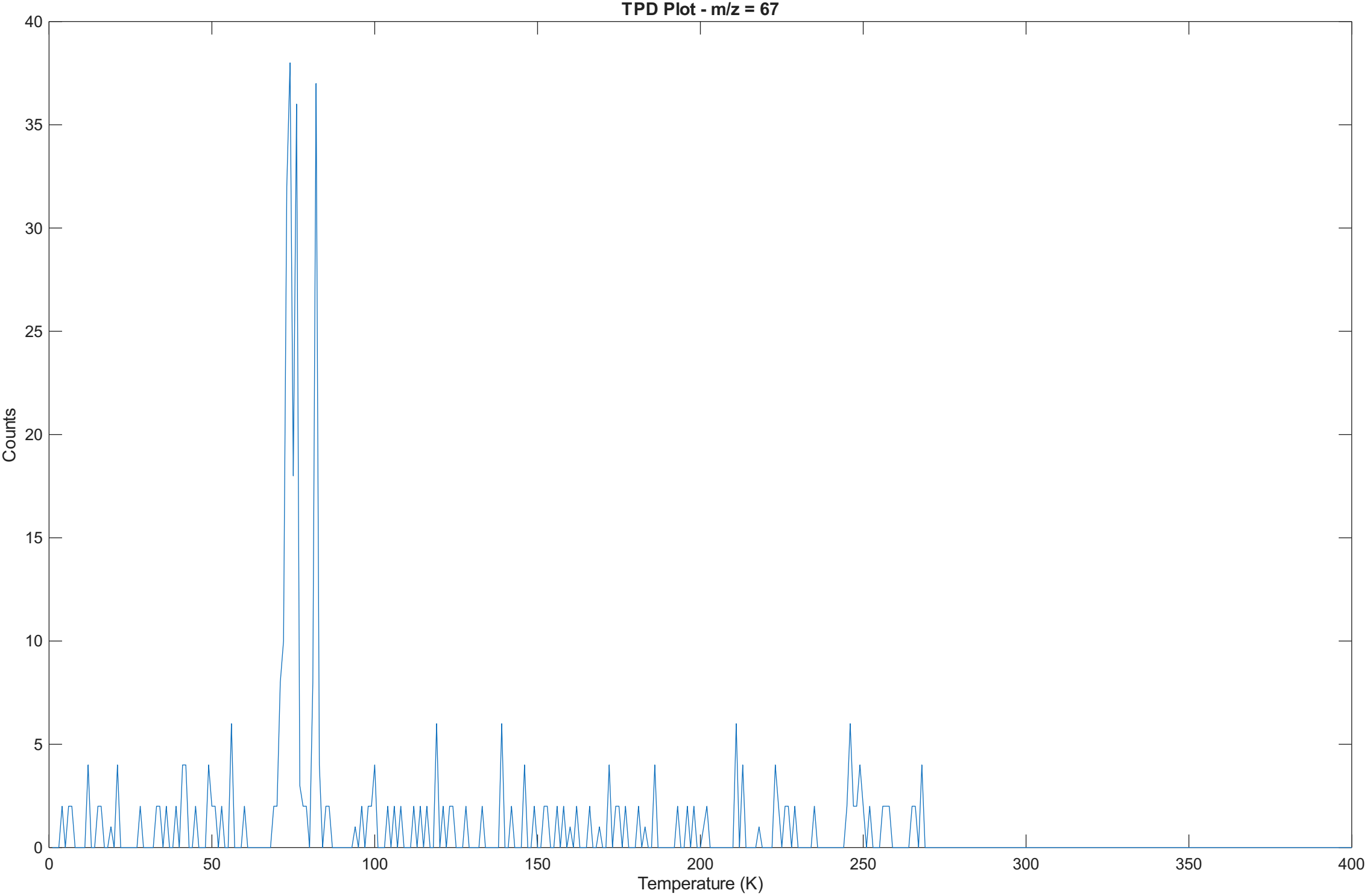

TPD Plot - m/z = 62
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

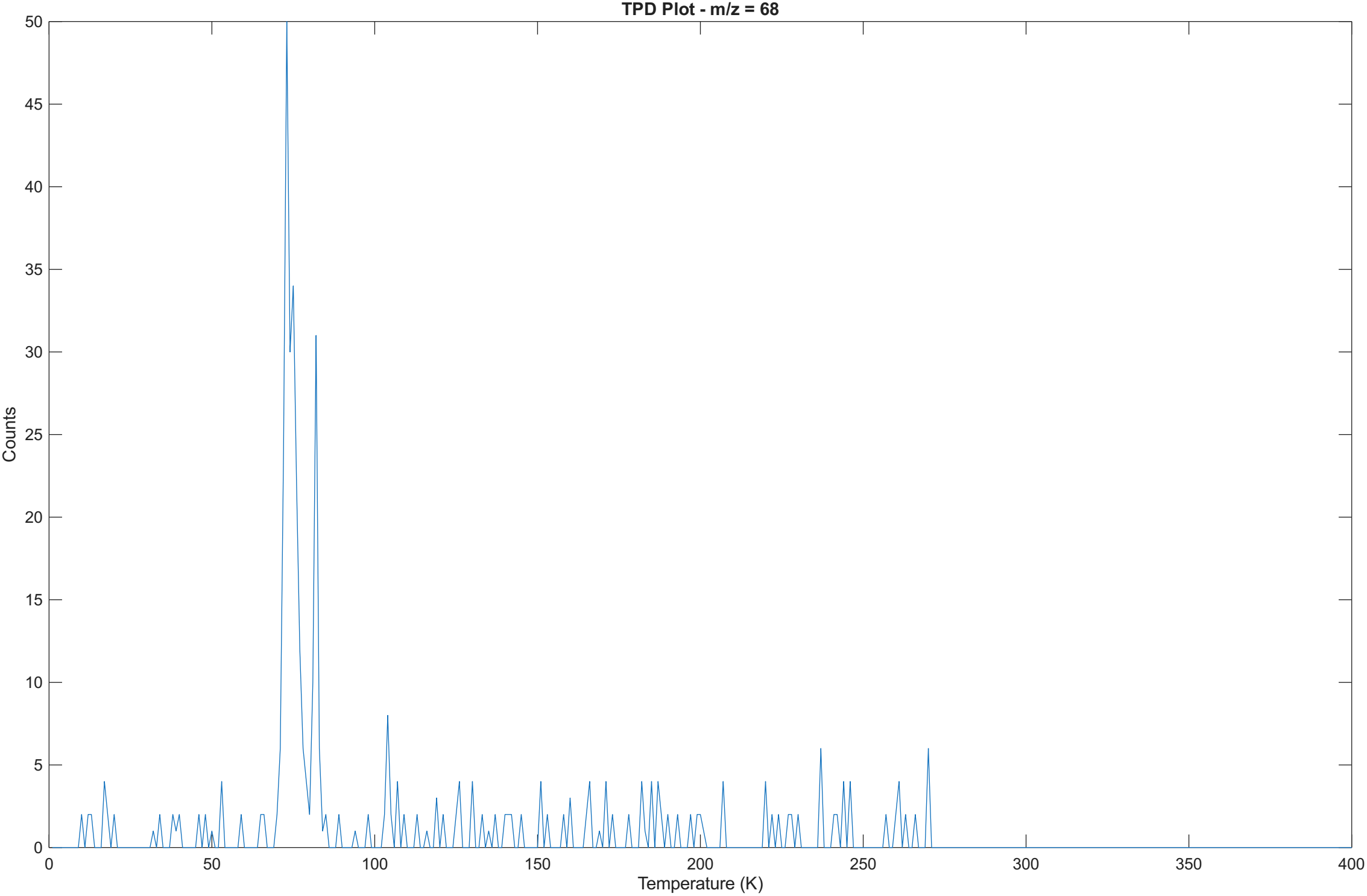

TPD Plot - m/z = 63
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

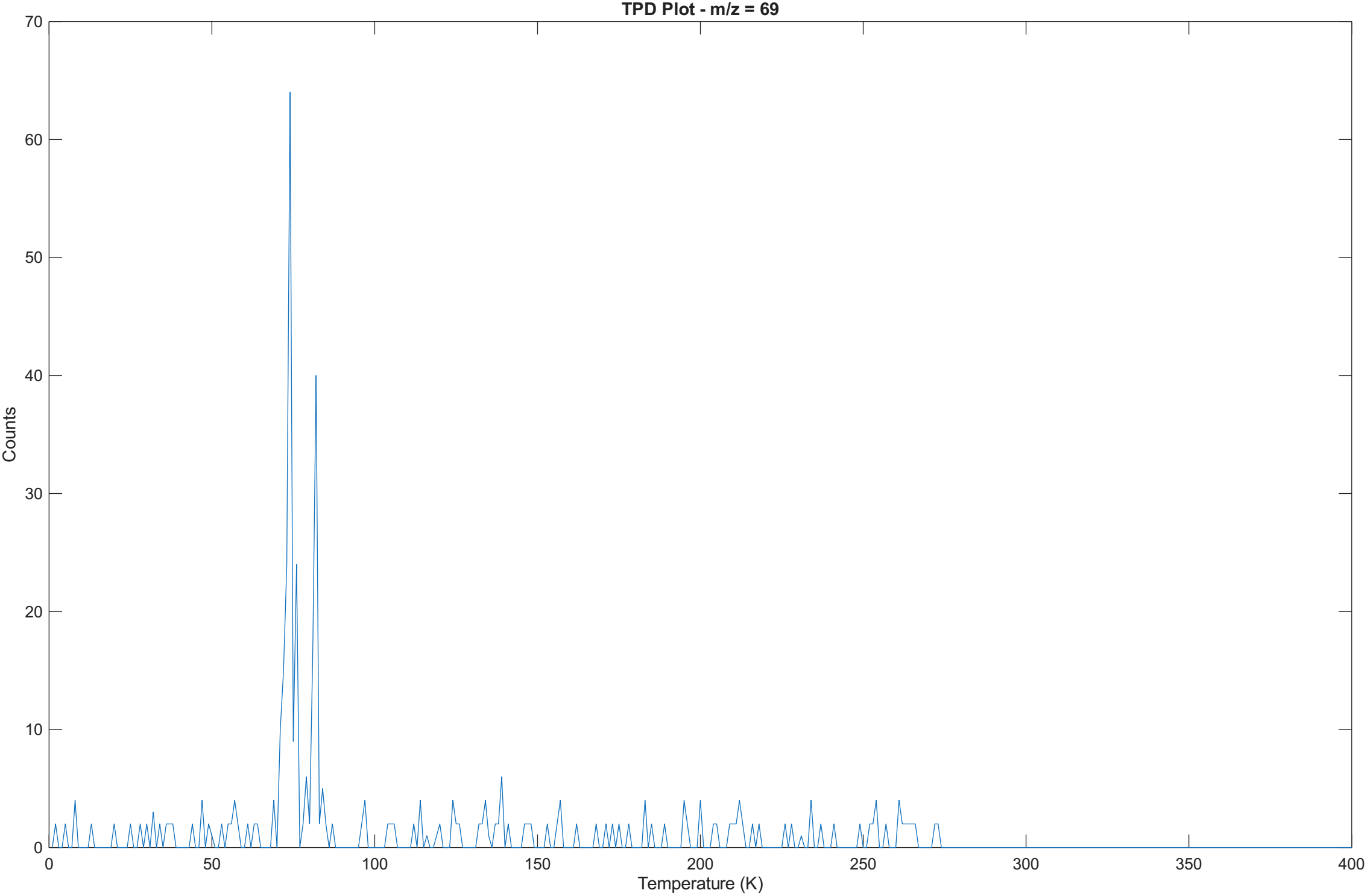

TPD Plot - m/z = 64
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

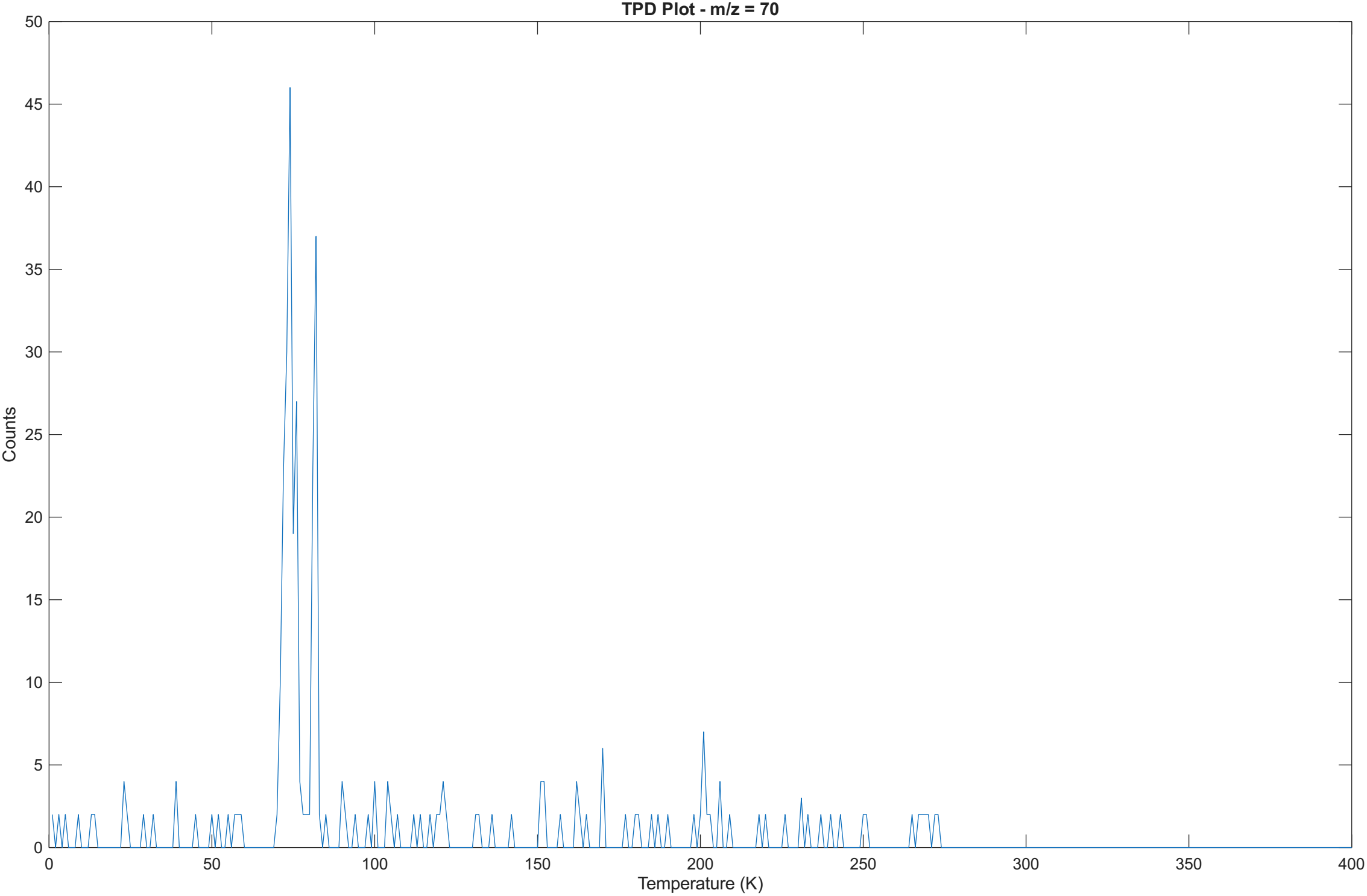

TPD Plot - m/z = 65
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

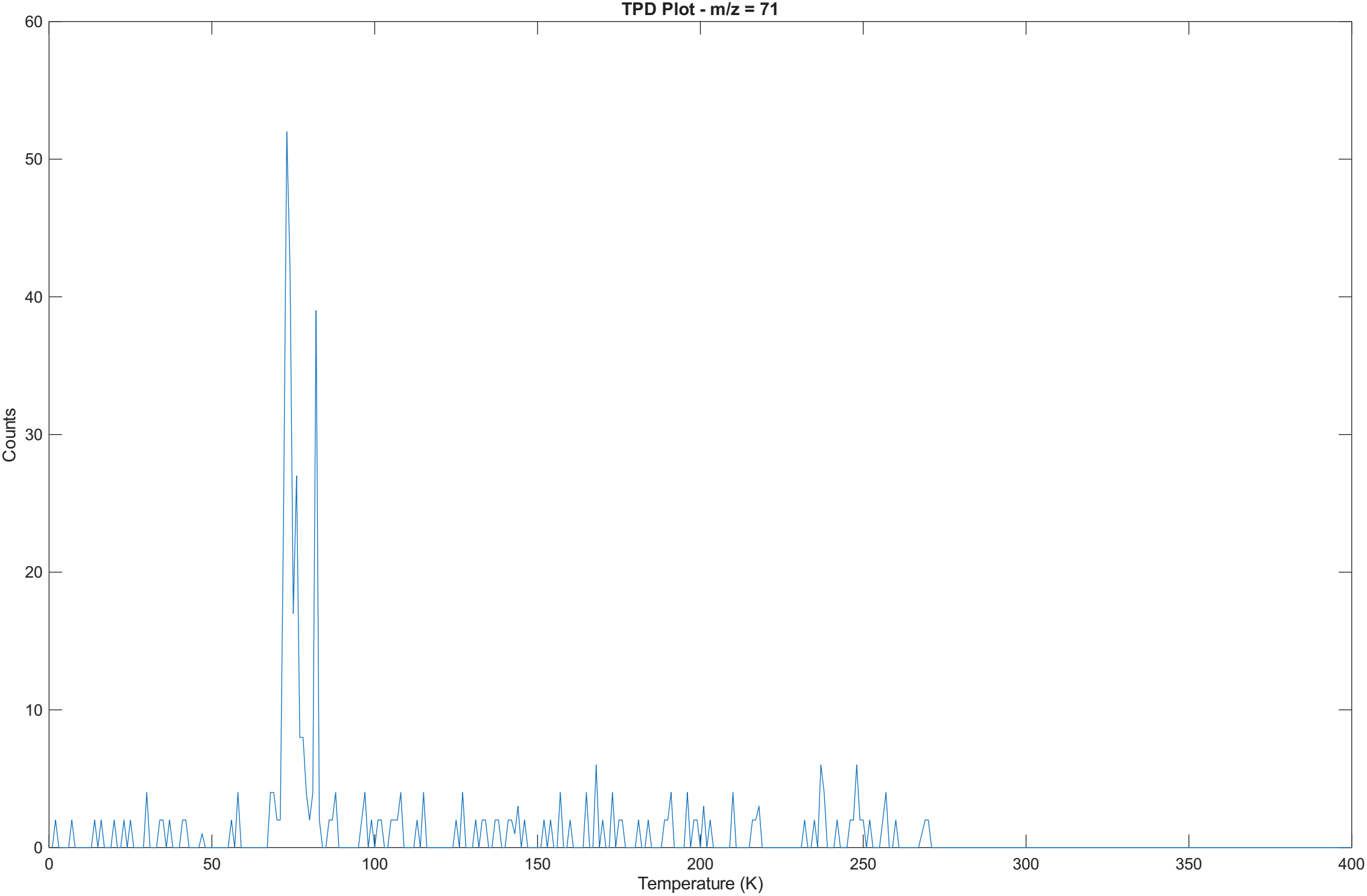

TPD Plot - m/z = 66
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

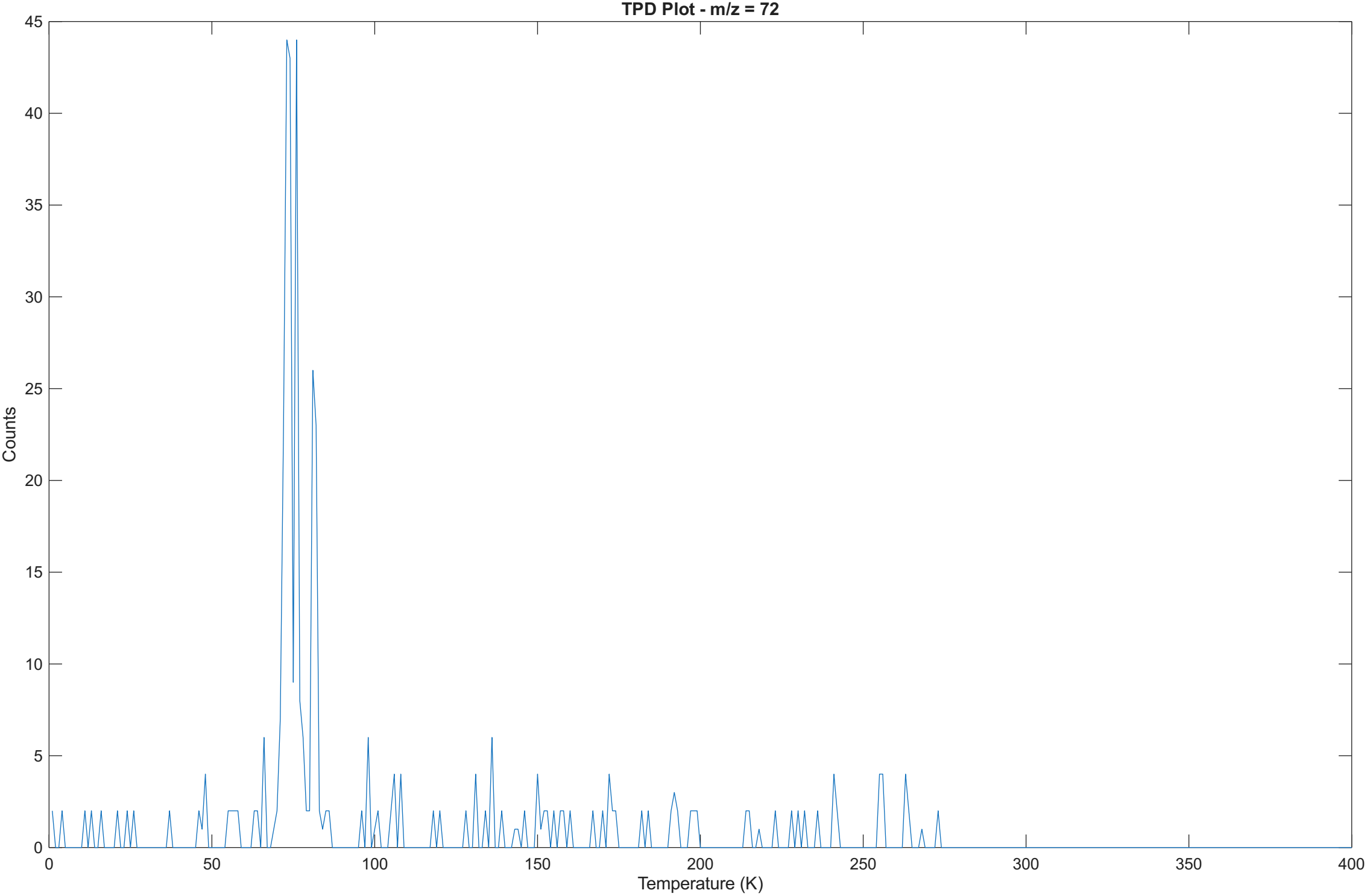

TPD Plot - m/z = 67
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

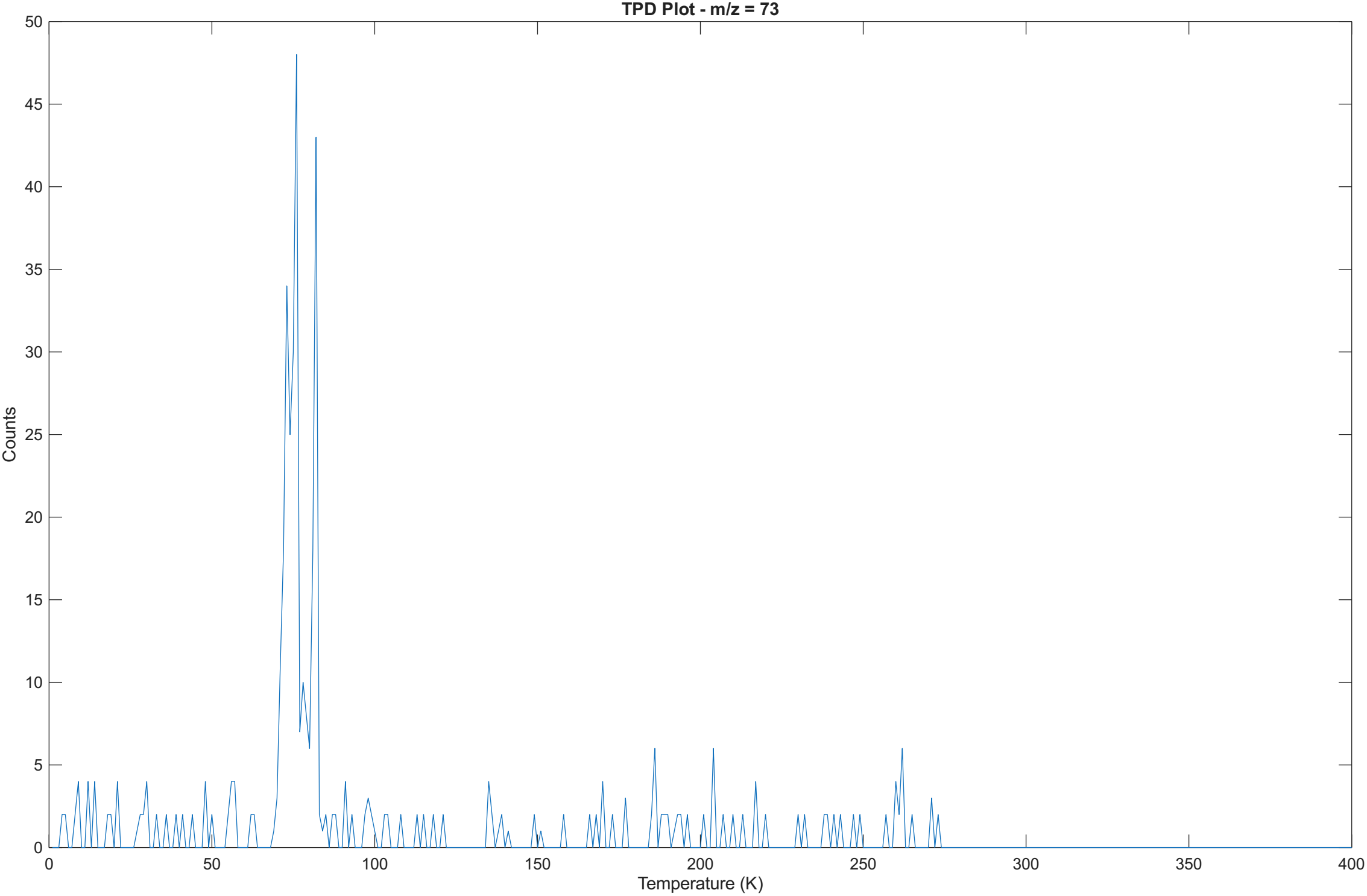

TPD Plot - m/z = 68
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

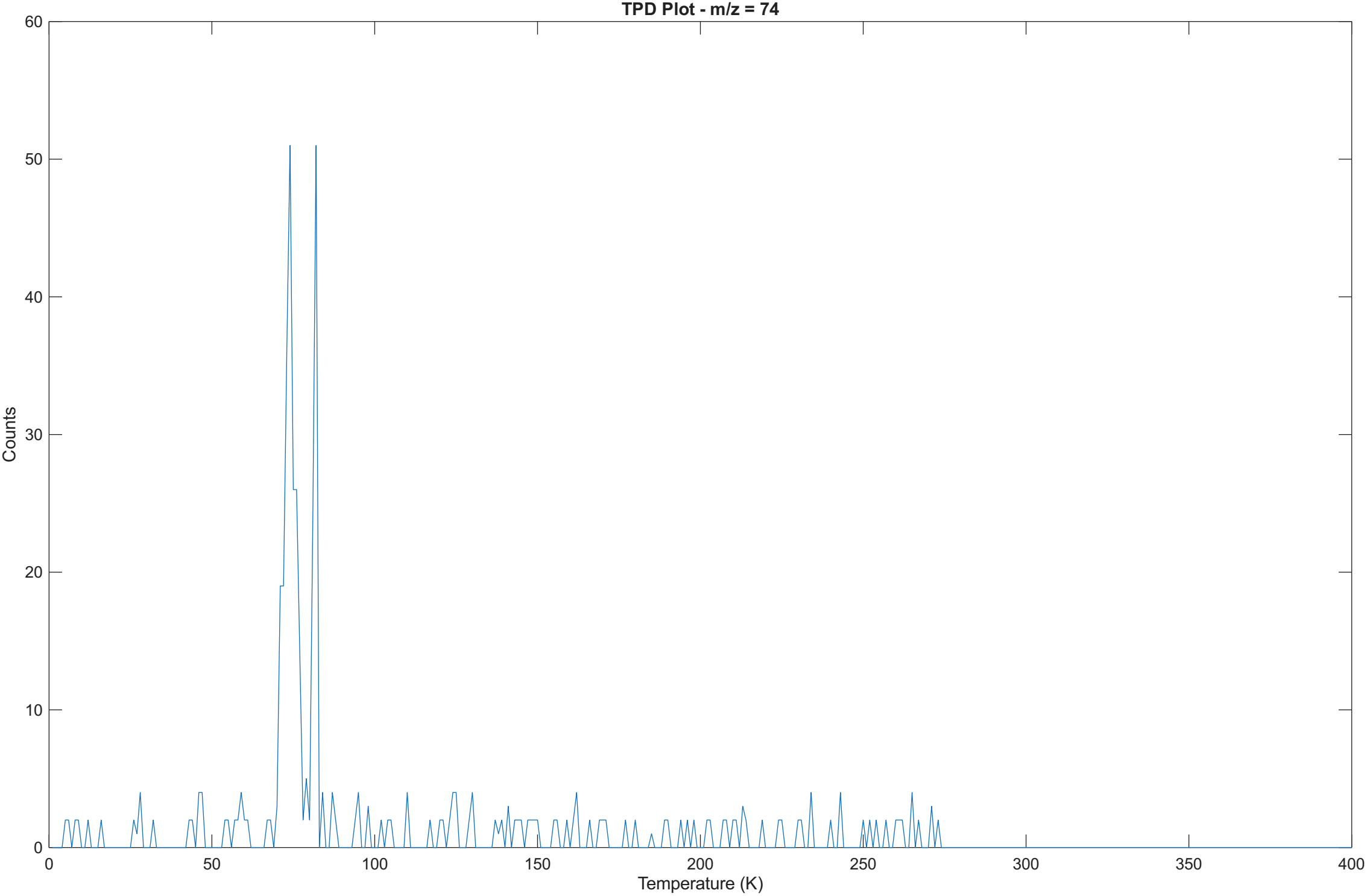

TPD Plot - m/z = 69
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400

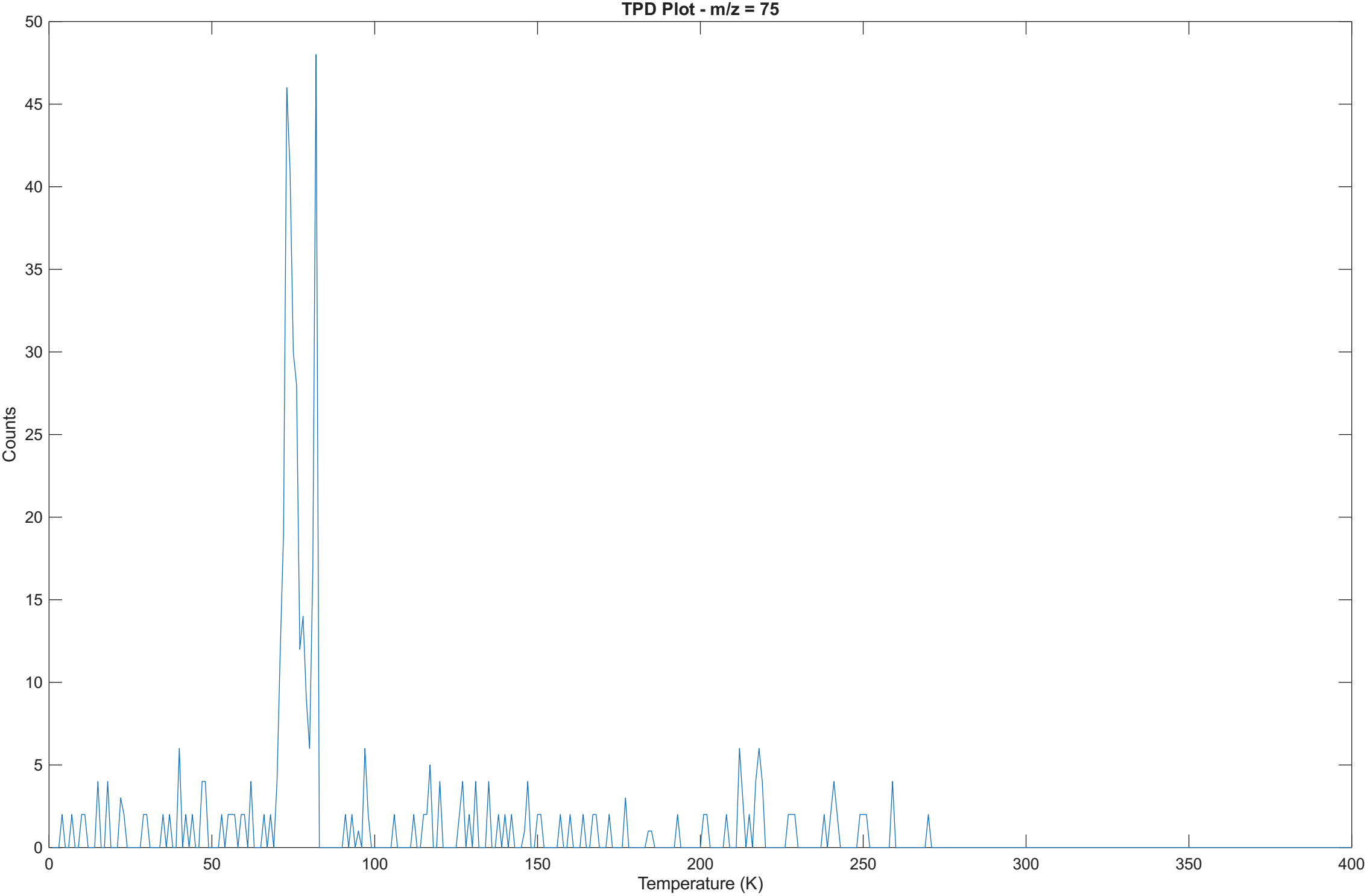

TPD Plot - m/z = 70
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

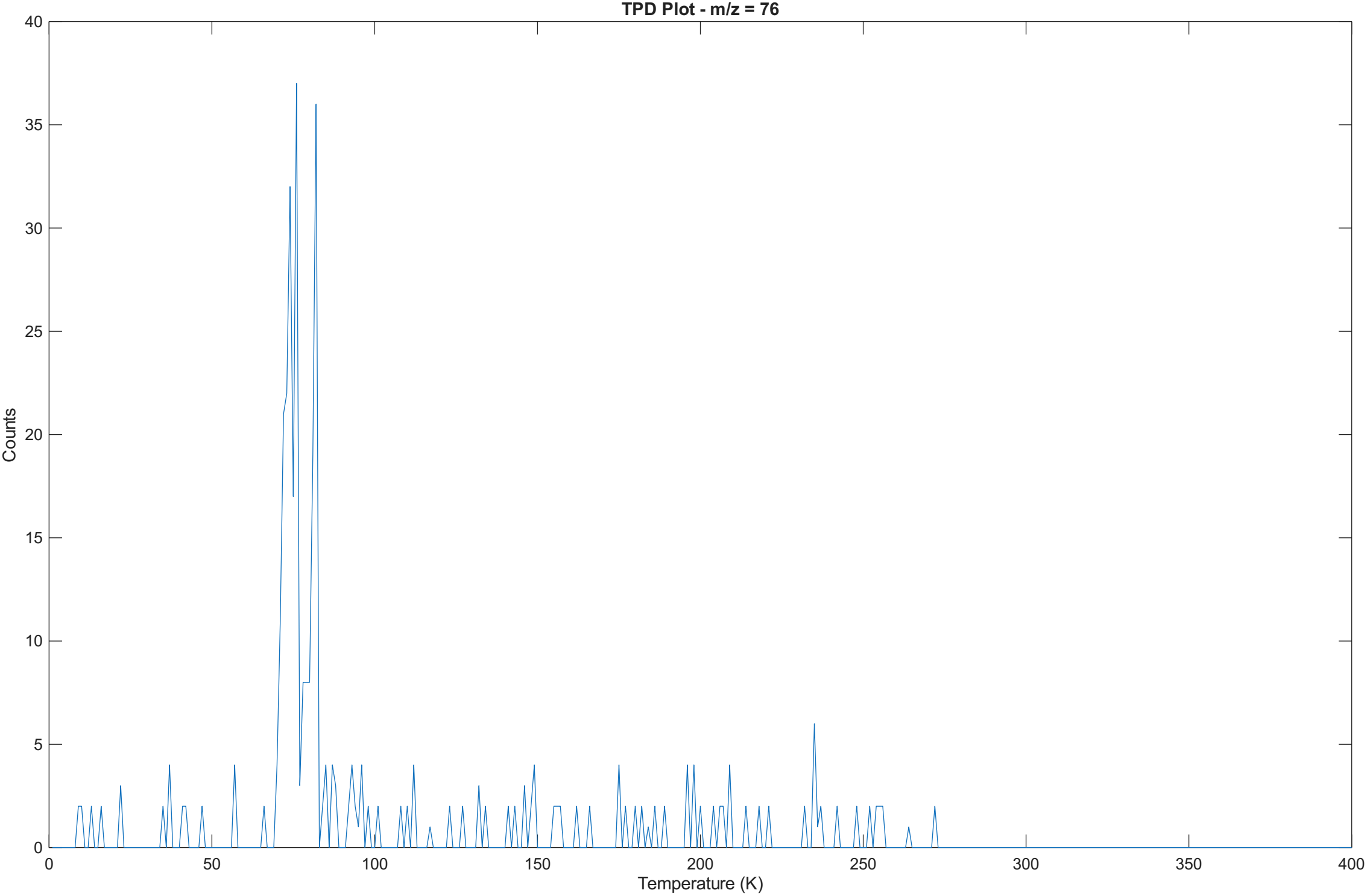

TPD Plot - m/z = 71
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

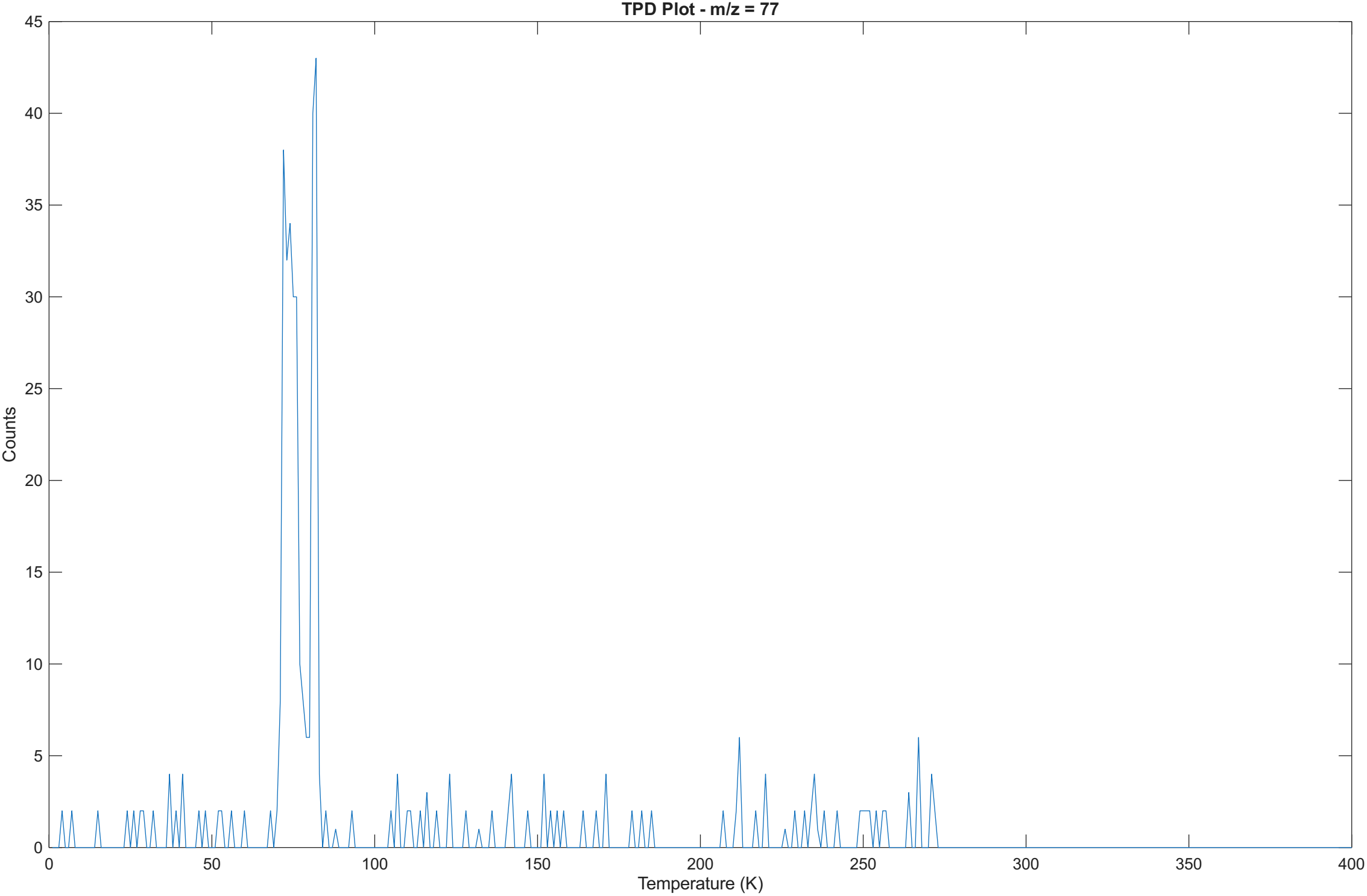

TPD Plot - m/z = 72
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

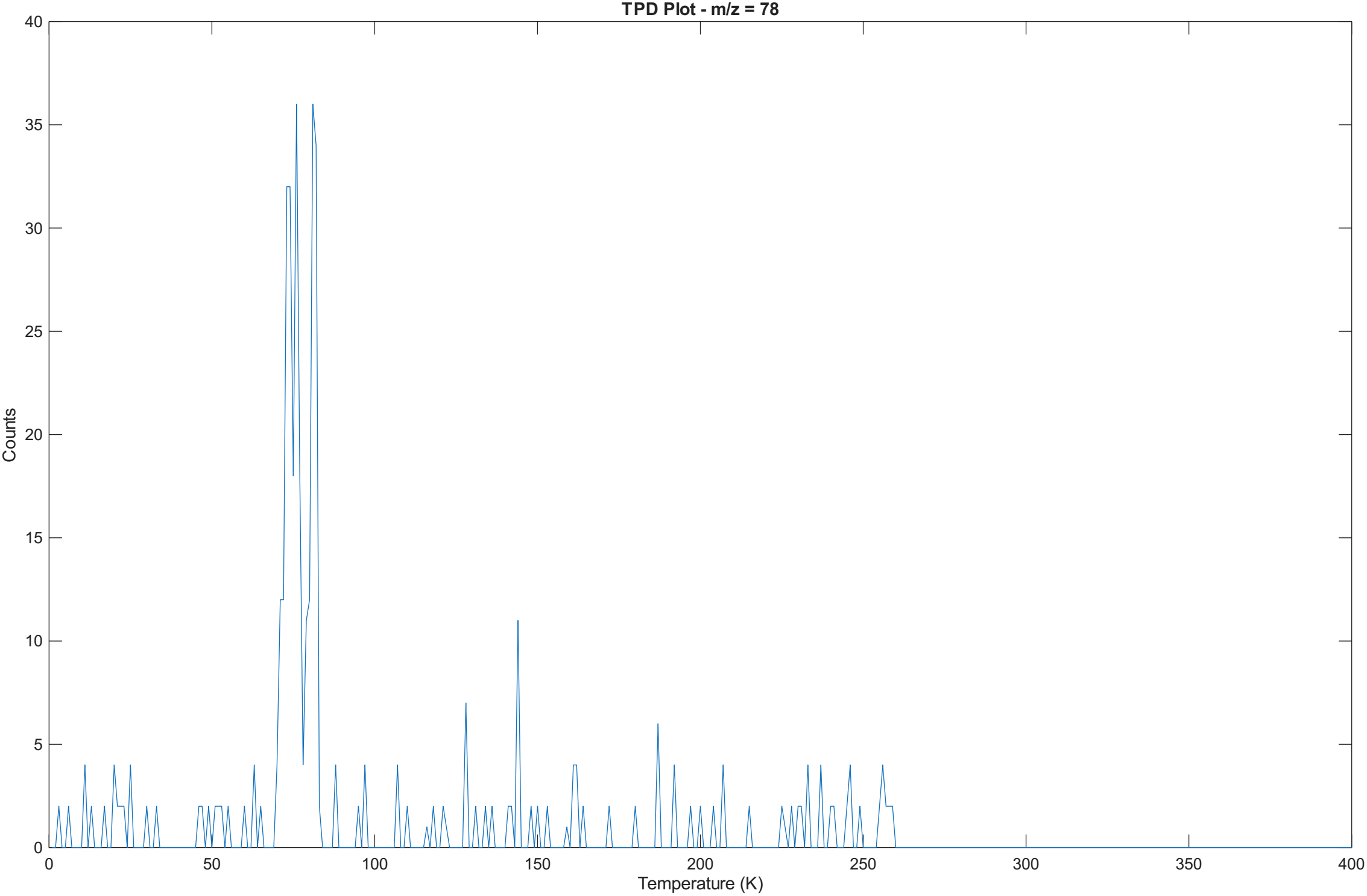

TPD Plot - m/z = 73
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

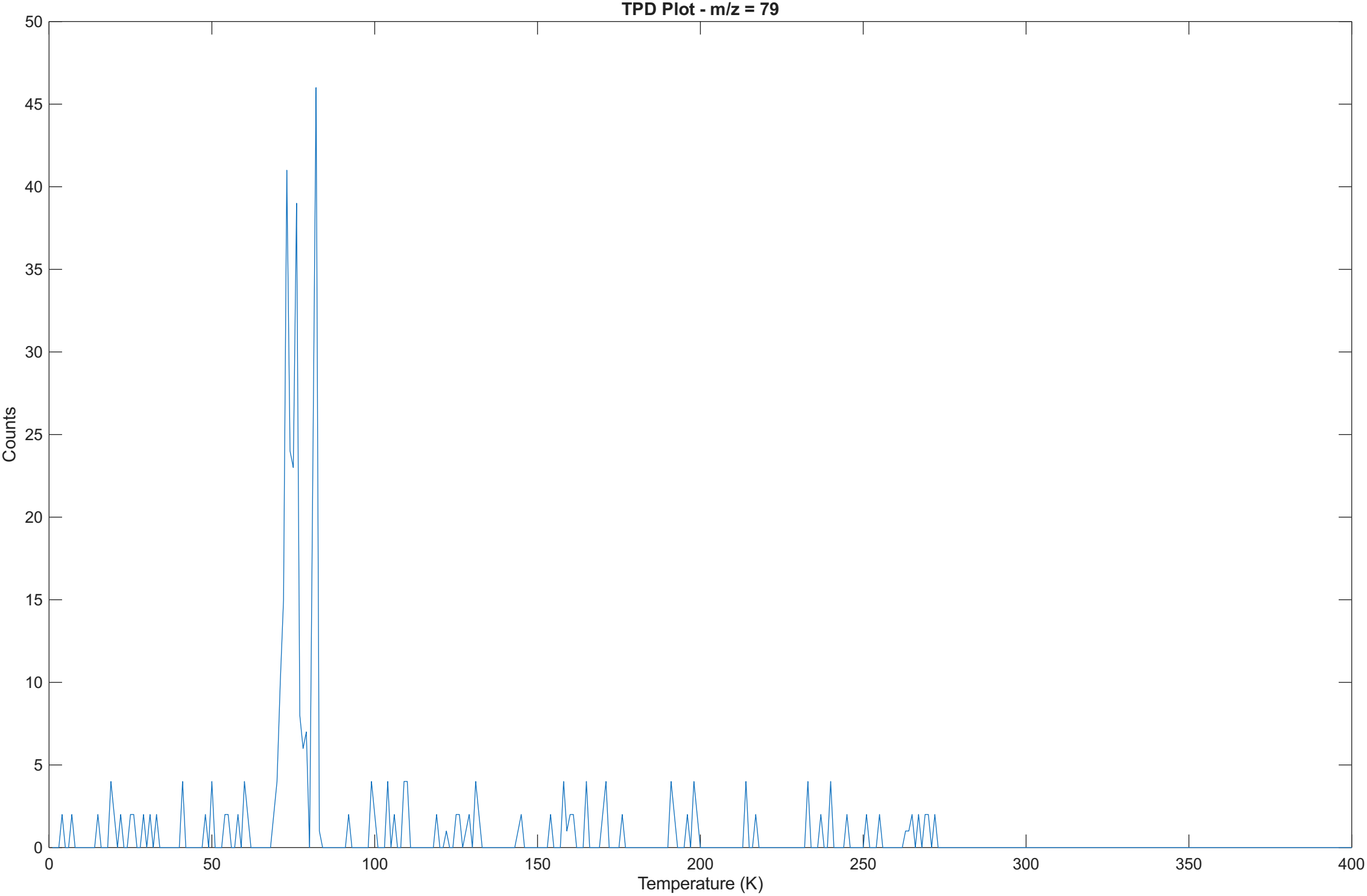

TPD Plot - m/z = 74
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

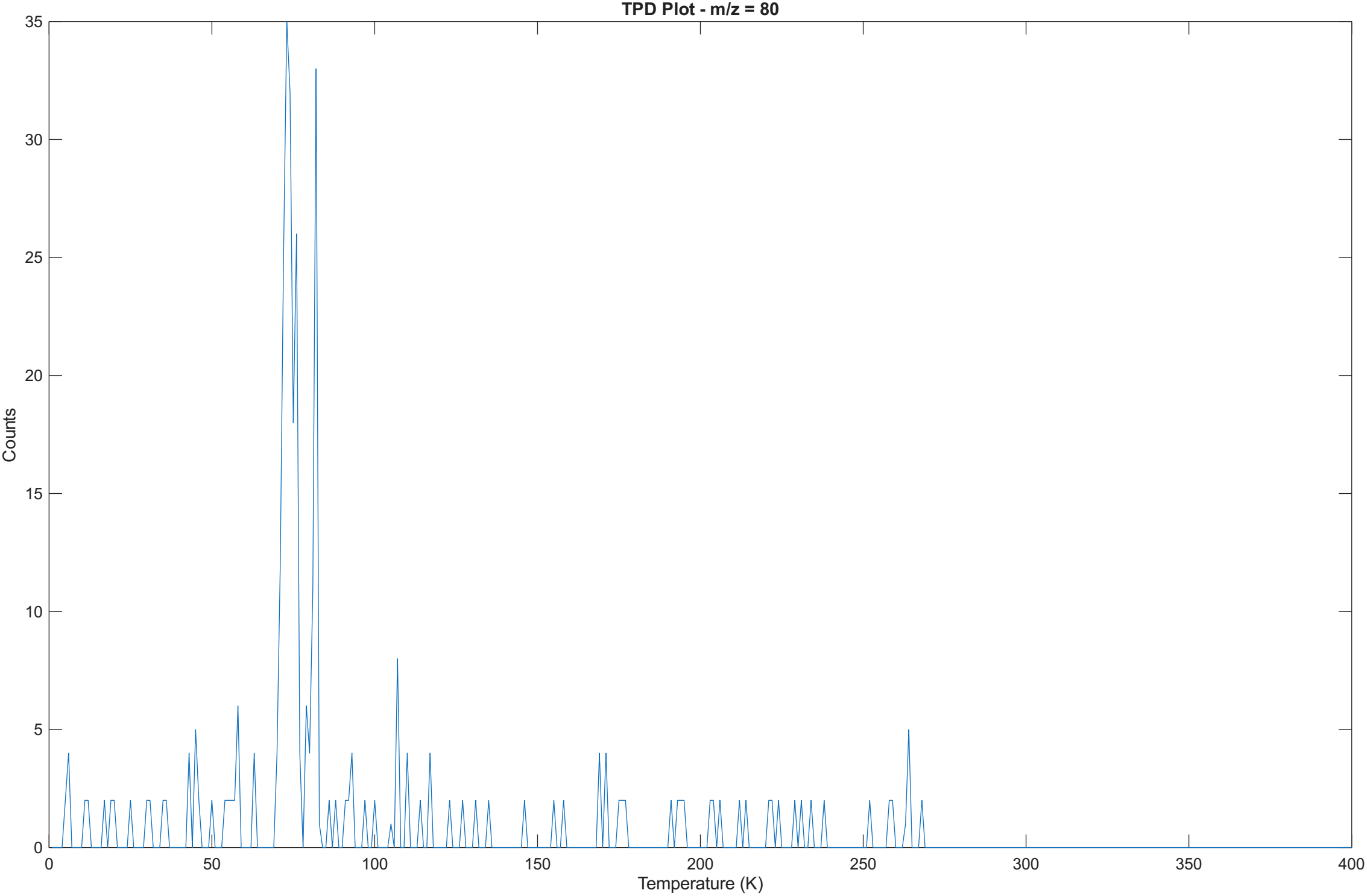

TPD Plot - m/z = 75
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

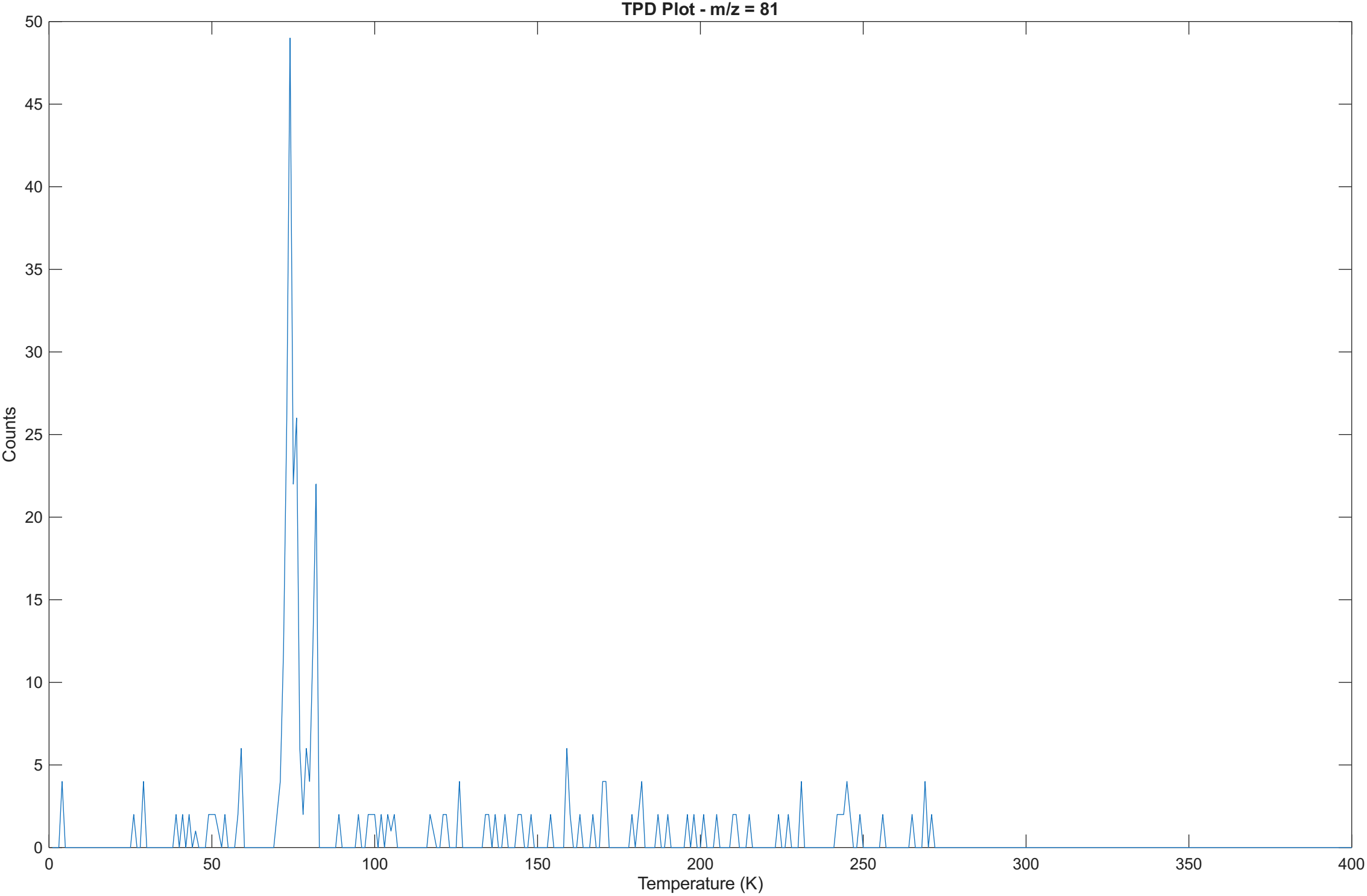

TPD Plot - m/z = 76
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

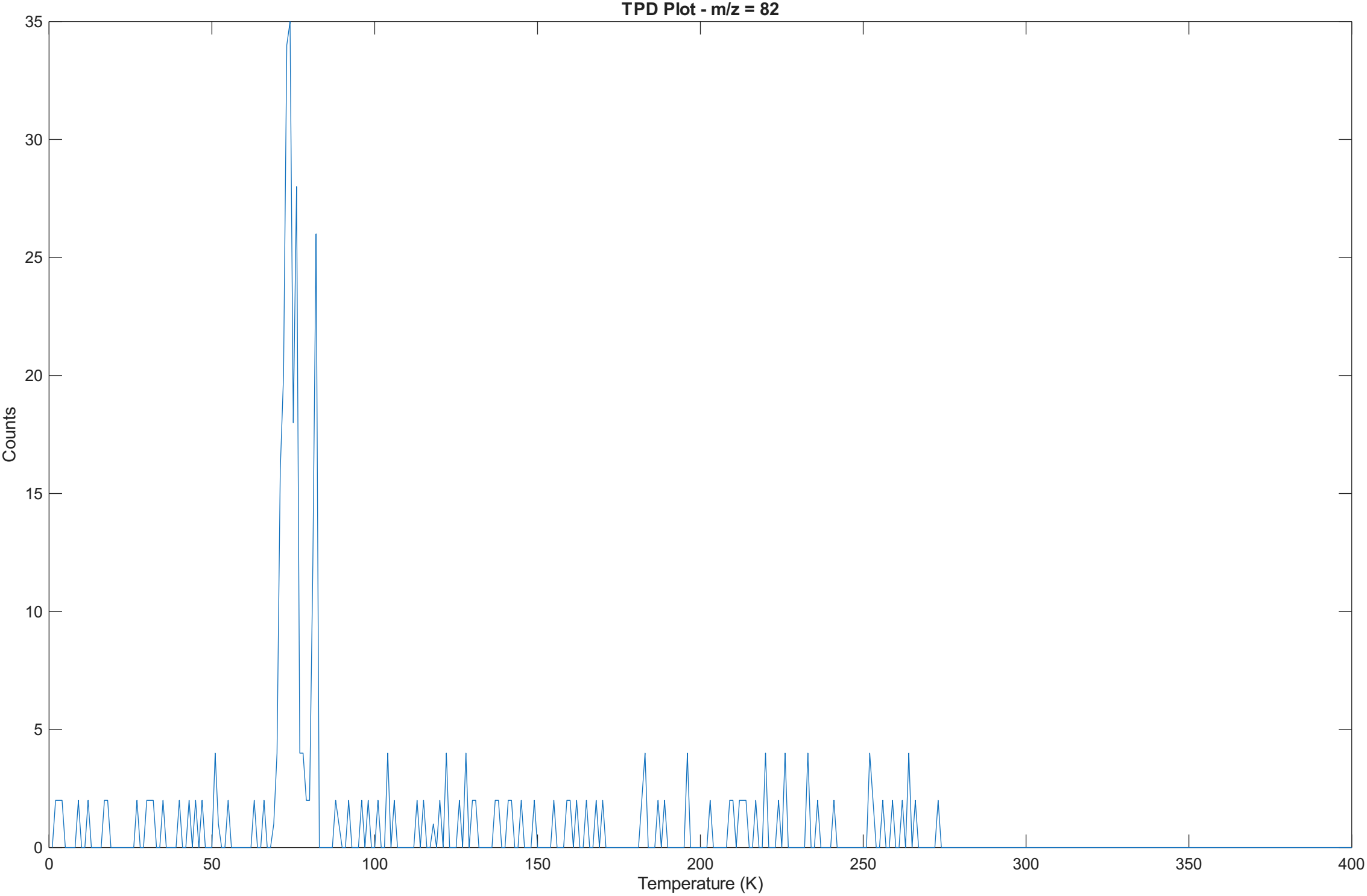

TPD Plot - m/z = 77
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

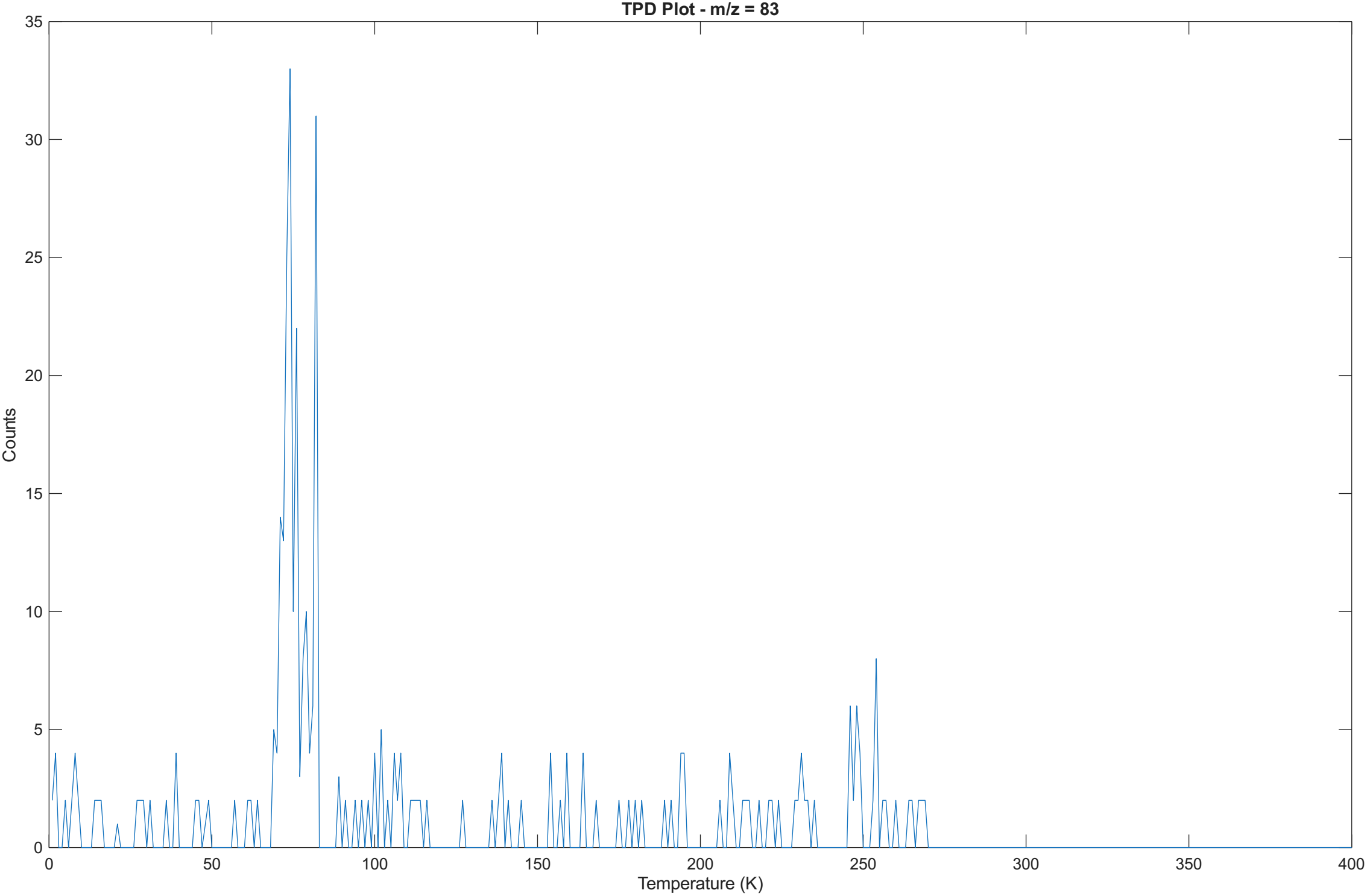

TPD Plot - m/z = 78
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

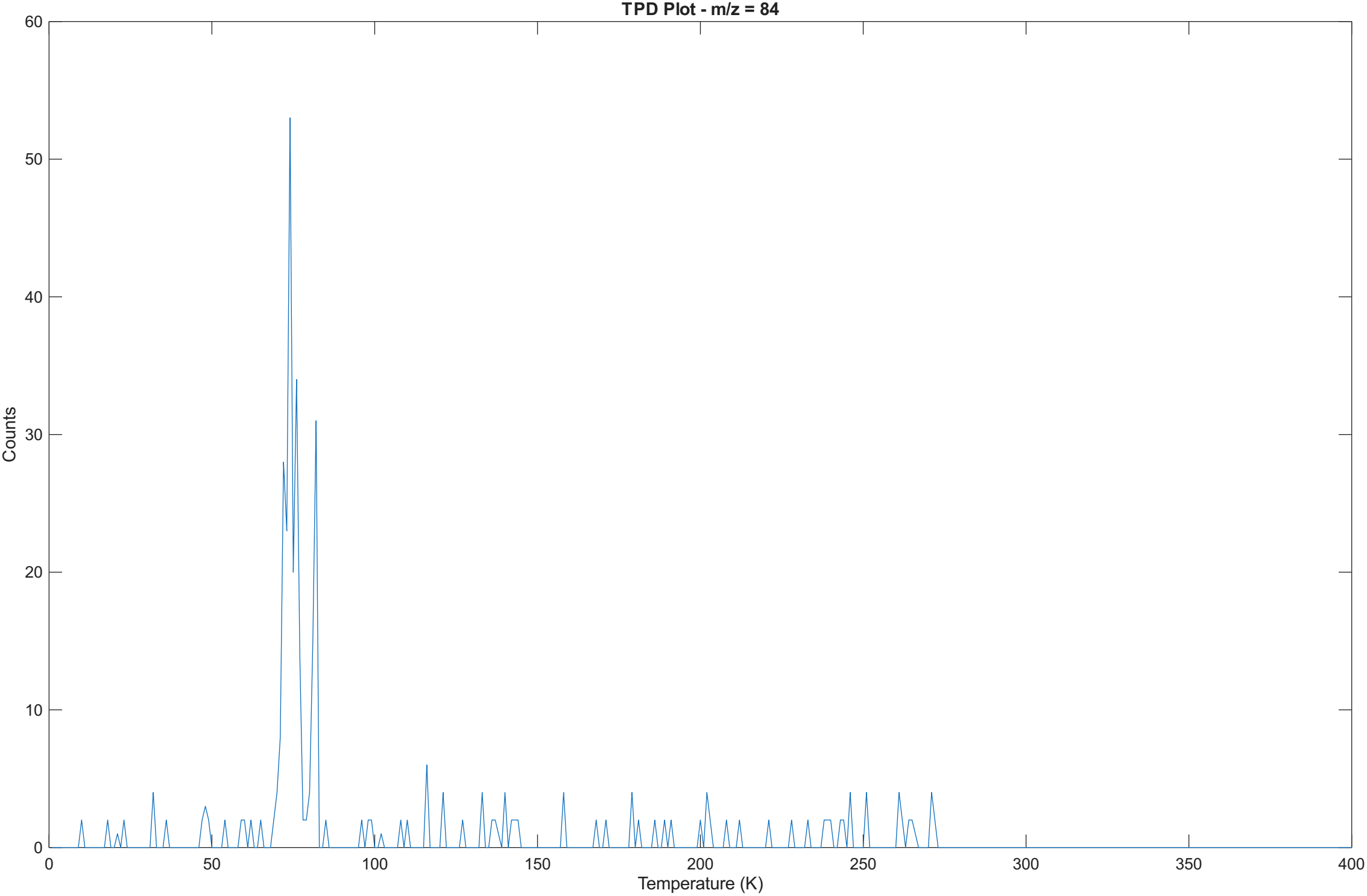

TPD Plot - m/z = 79
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

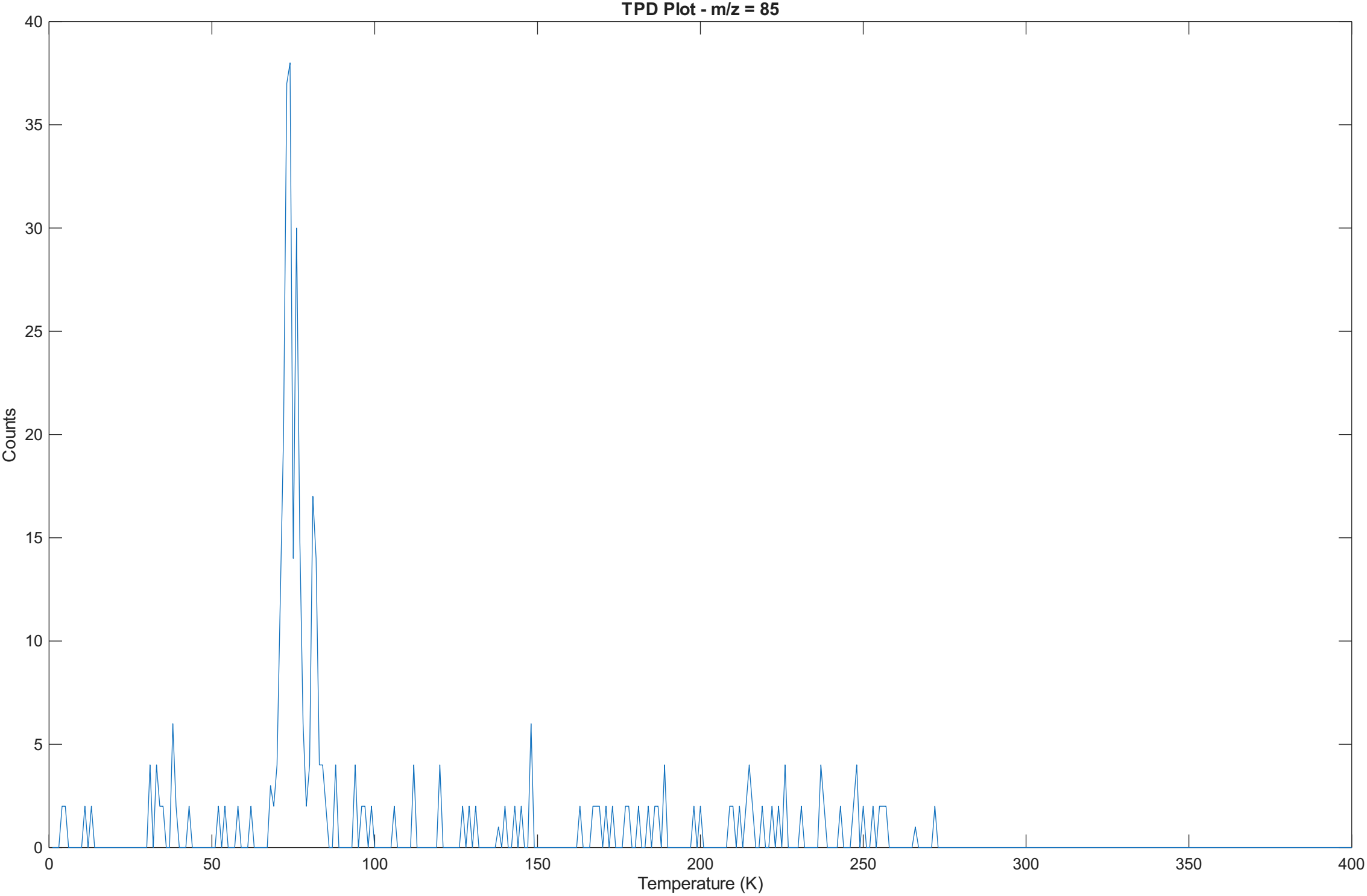

TPD Plot - m/z = 80
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

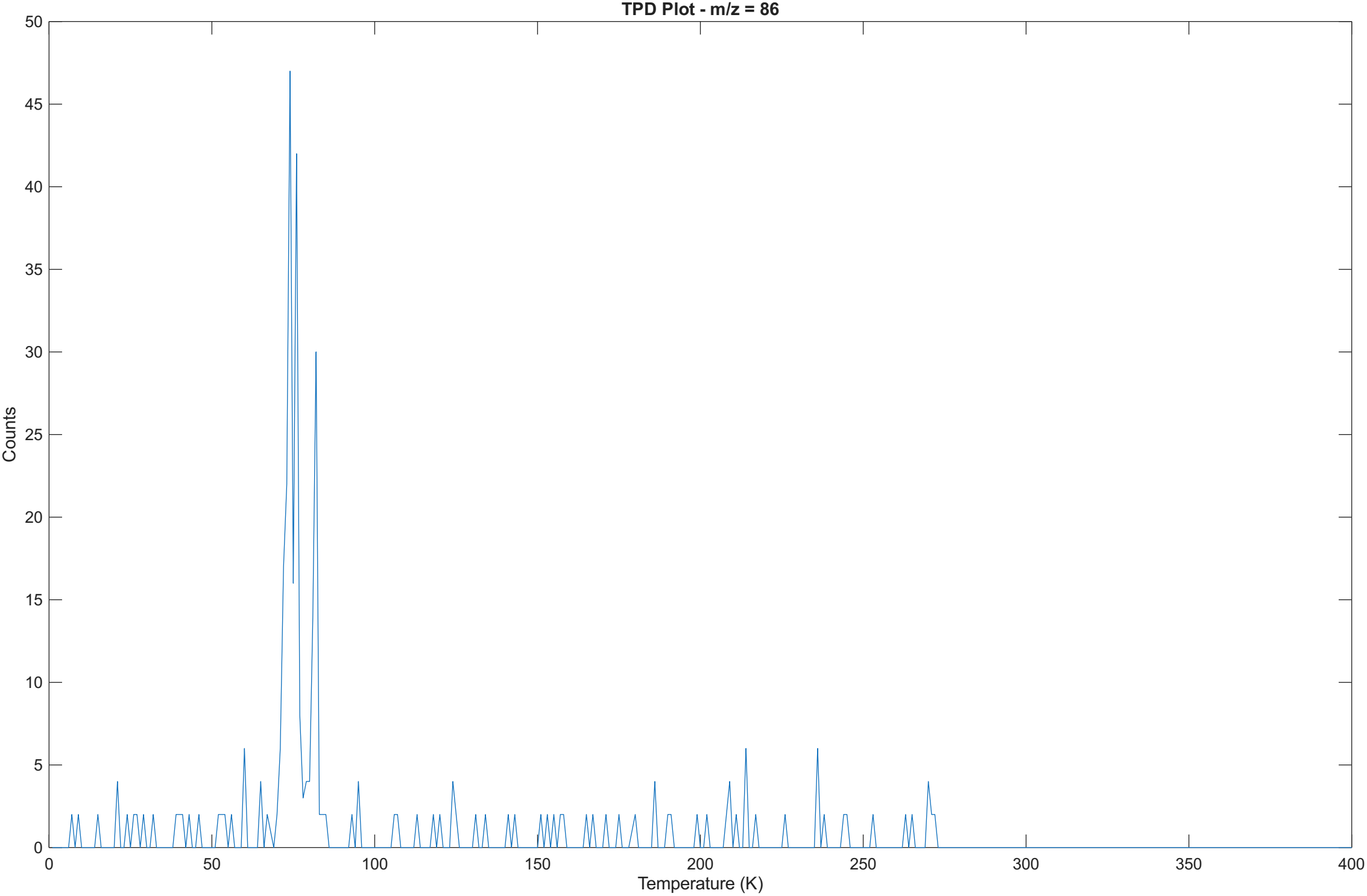

TPD Plot - m/z = 81
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

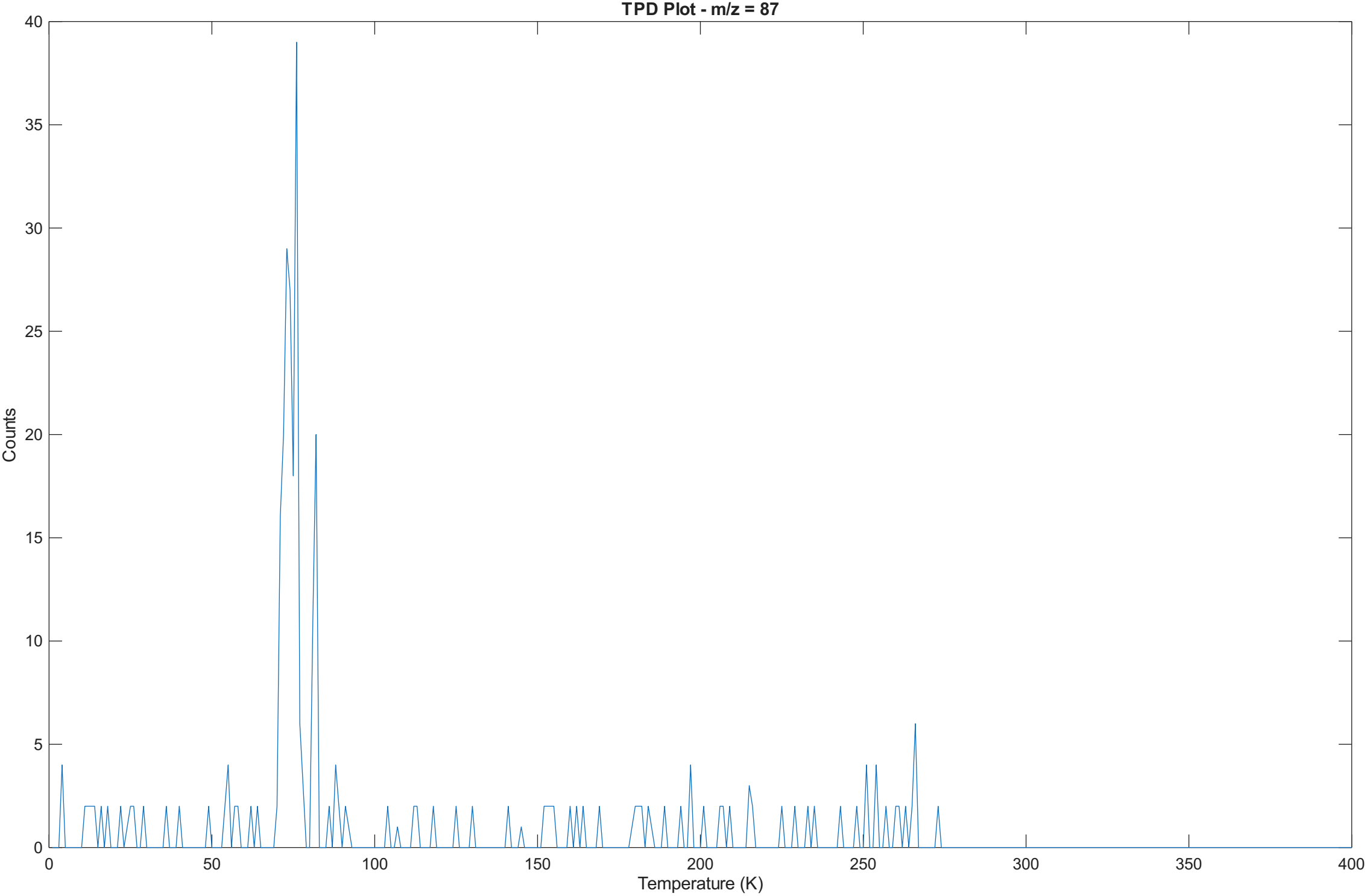

TPD Plot - m/z = 82
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

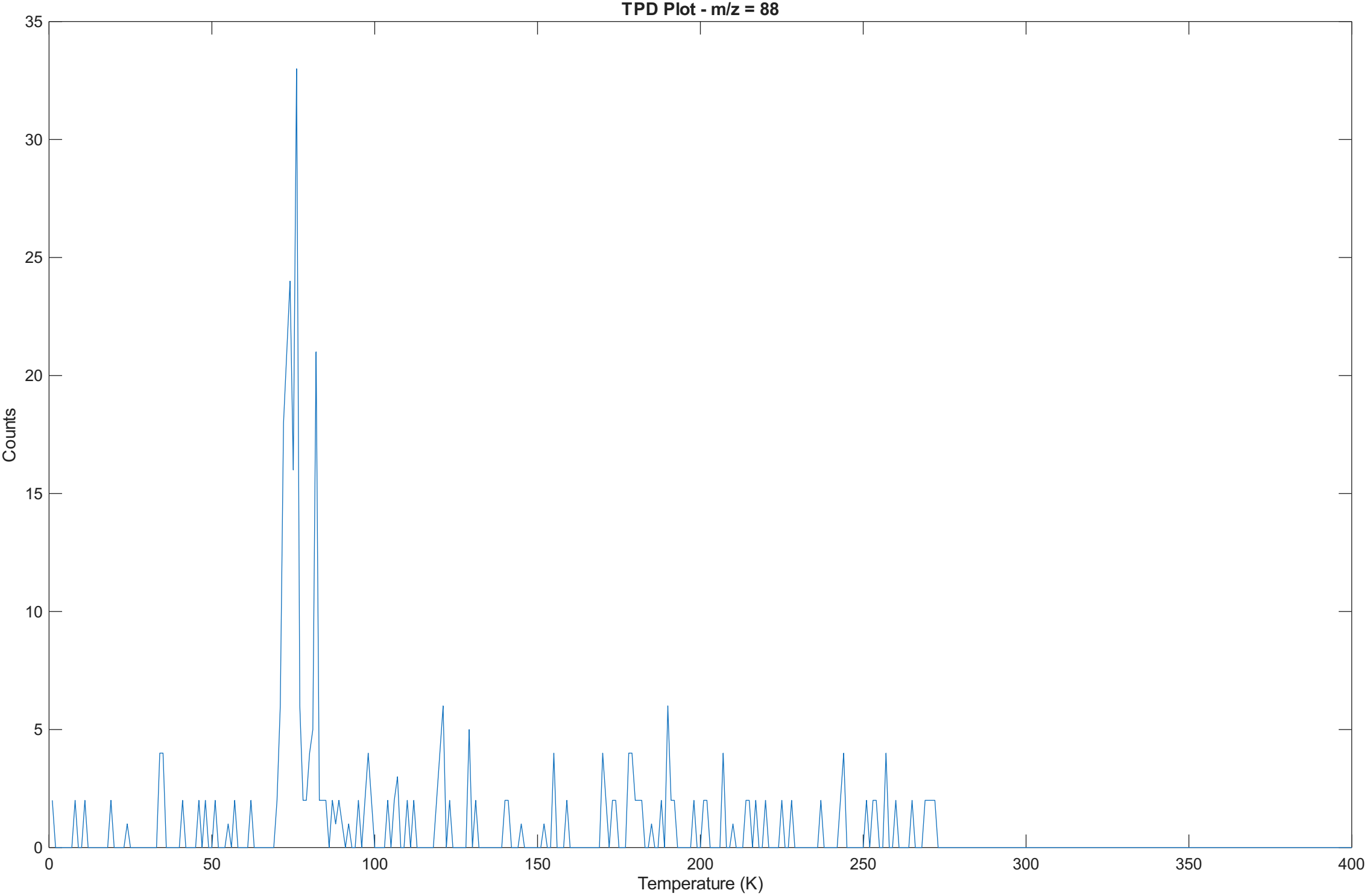

TPD Plot - m/z = 83
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

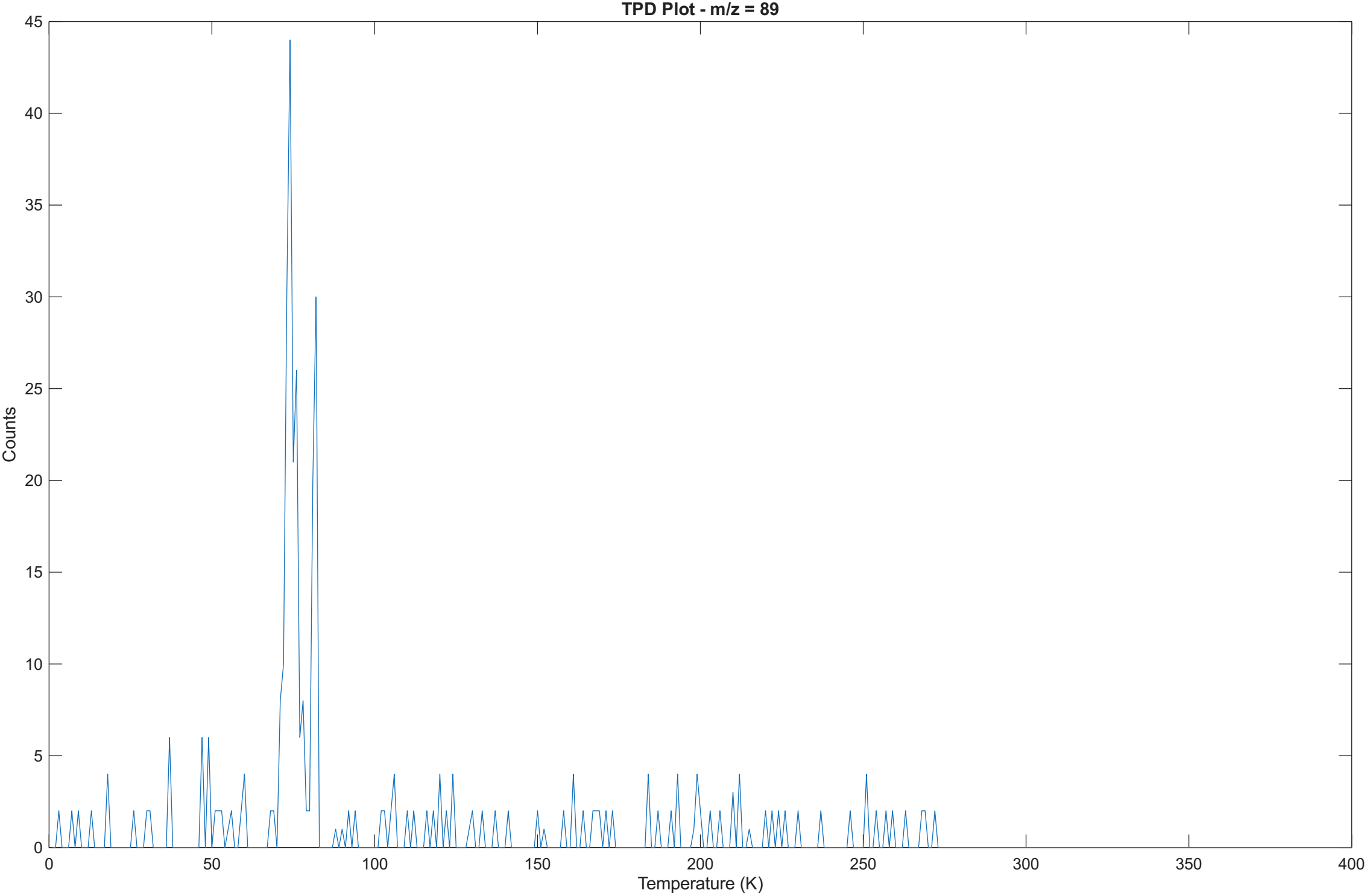

TPD Plot - m/z = 84
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

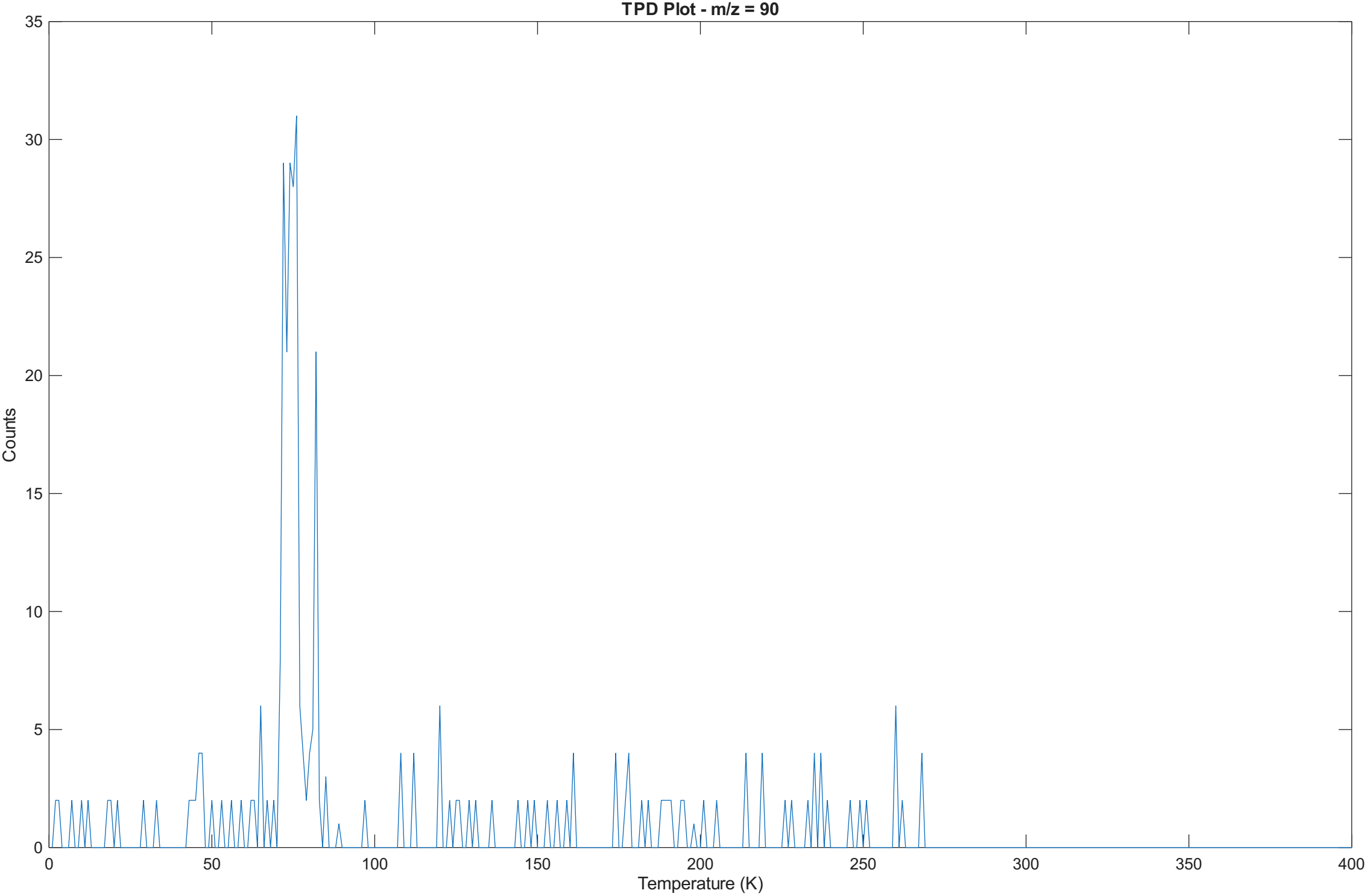

TPD Plot - m/z = 85
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

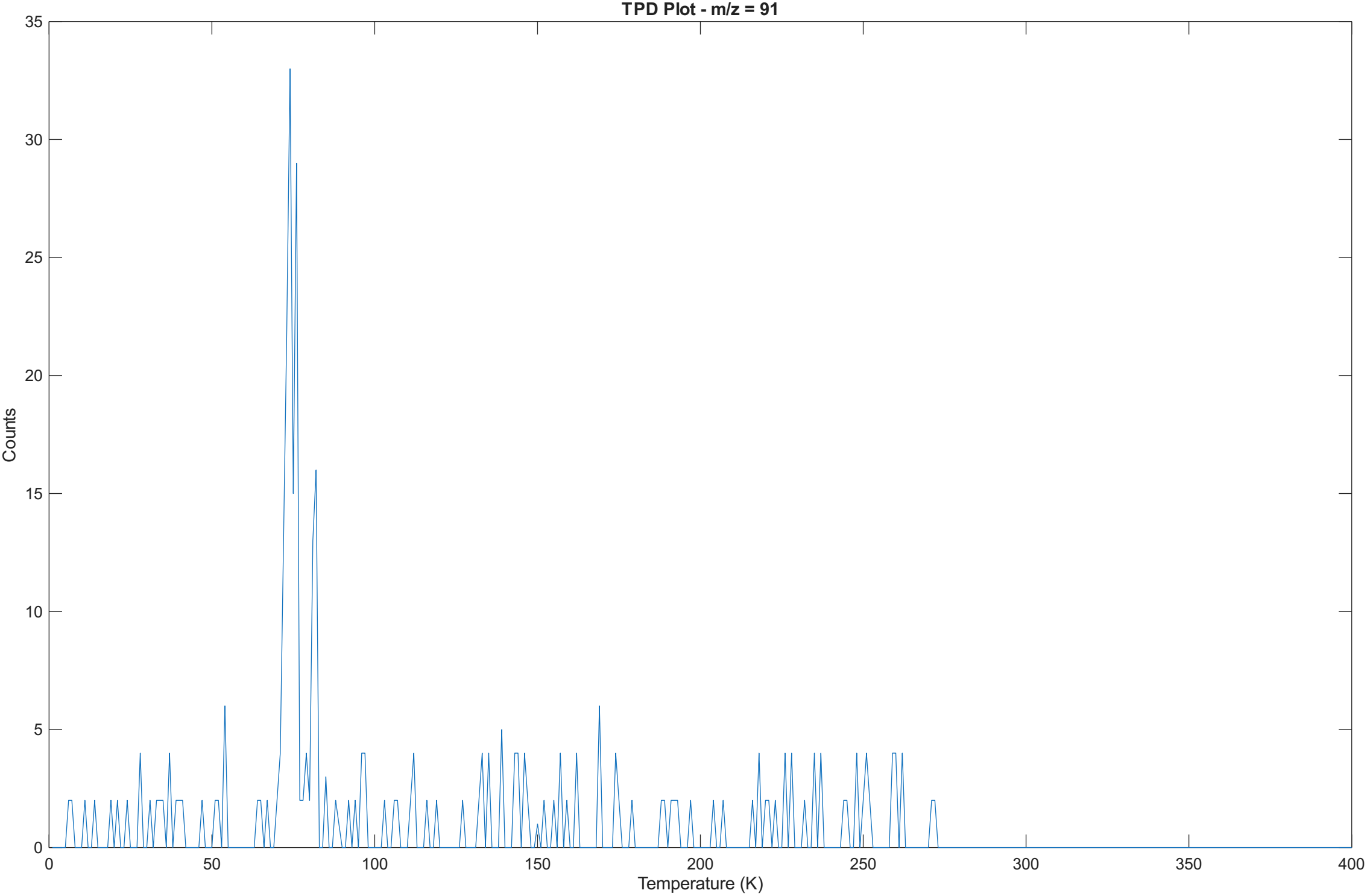

TPD Plot - m/z = 86
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

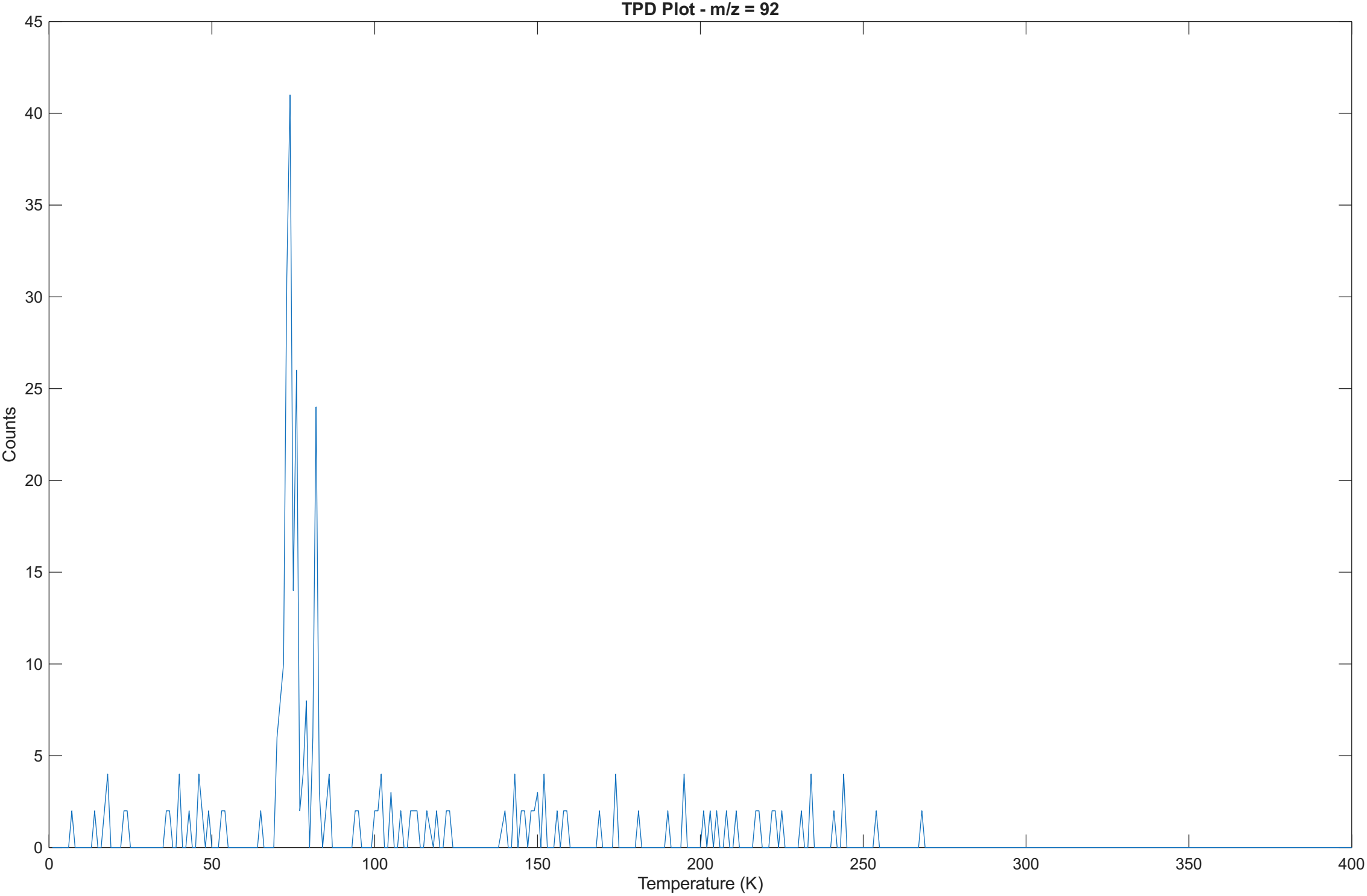

TPD Plot - m/z = 87
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

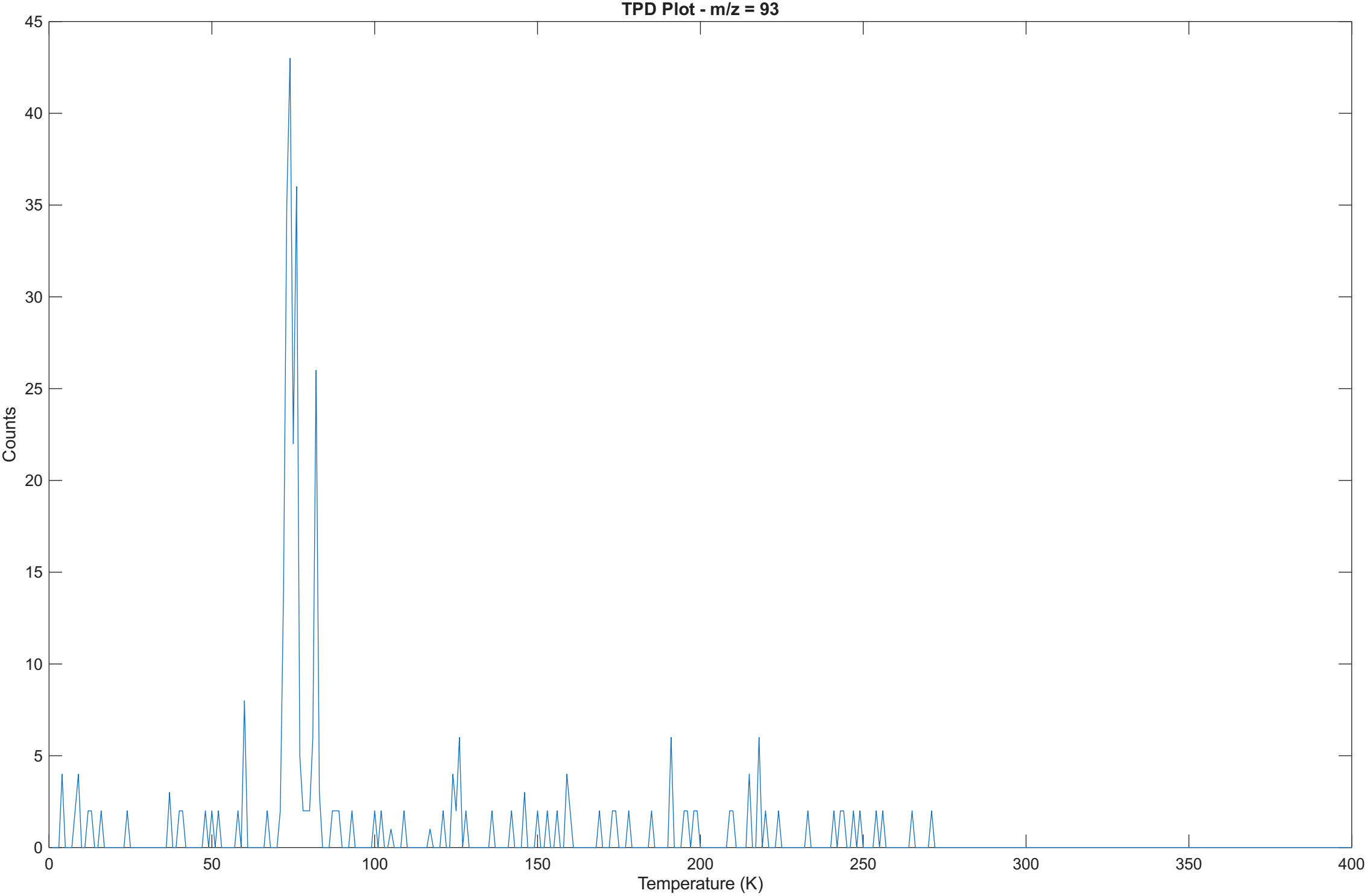

TPD Plot - m/z = 88
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

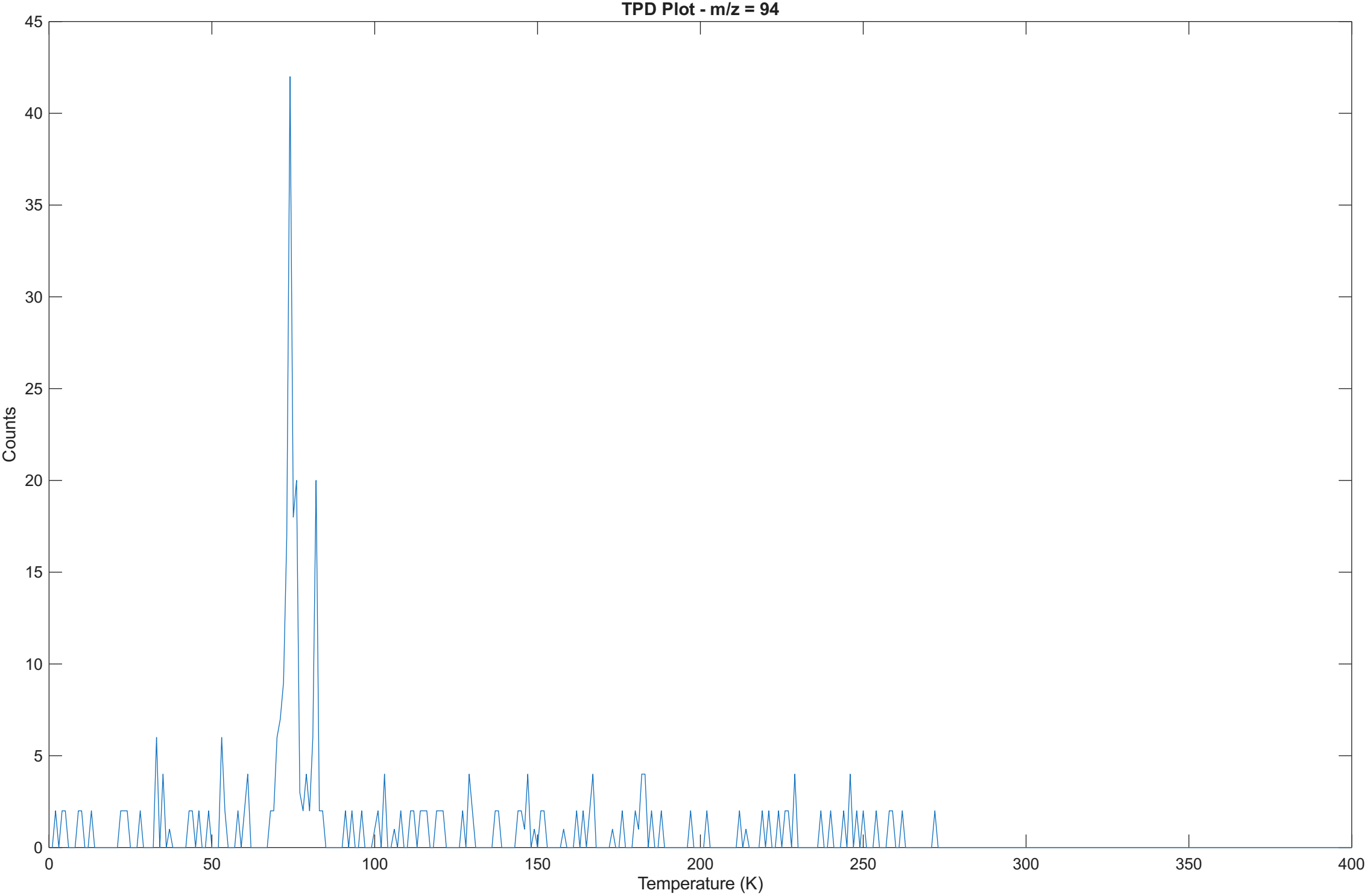

TPD Plot - m/z = 89
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

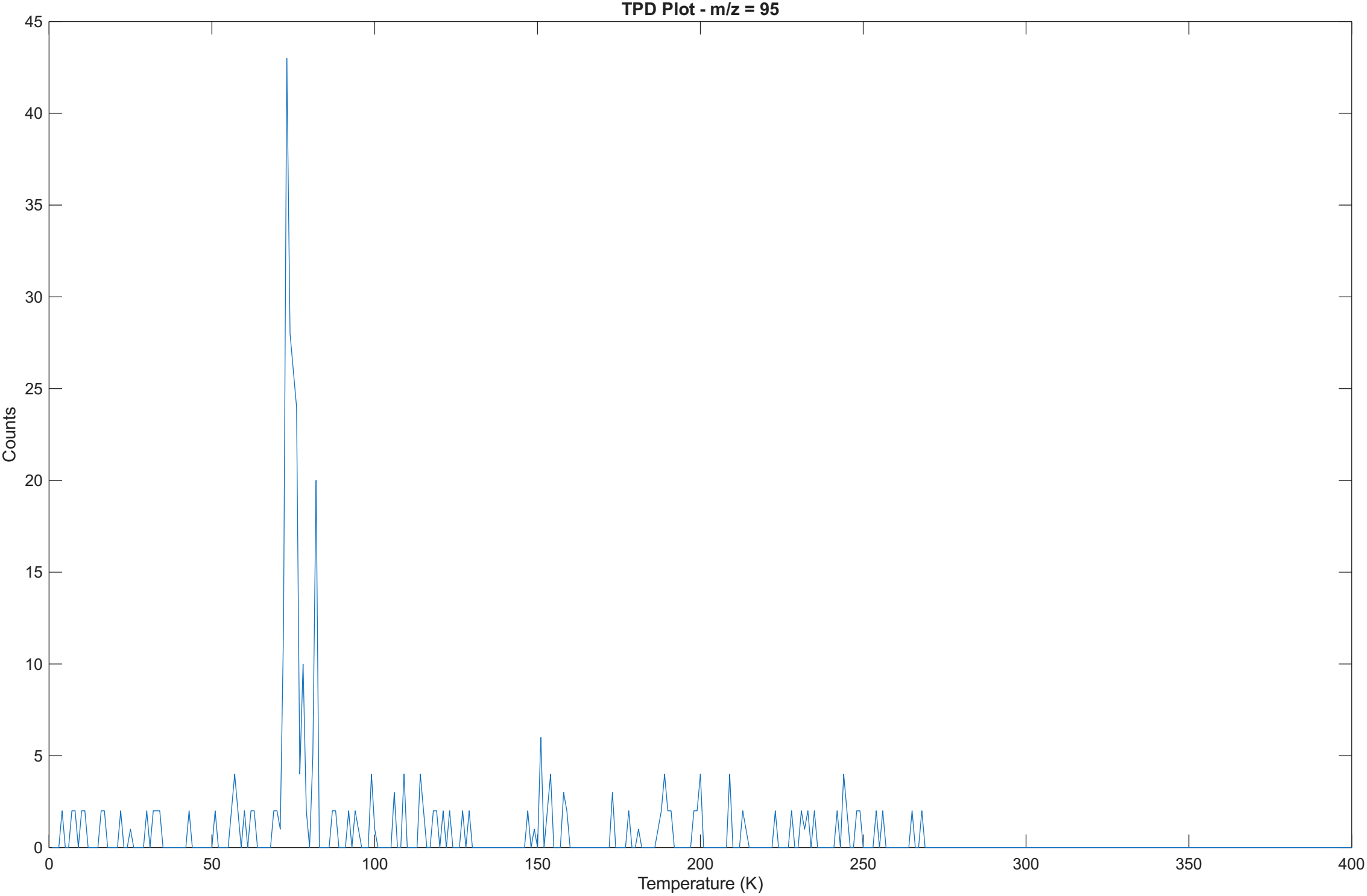

TPD Plot - m/z = 90
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

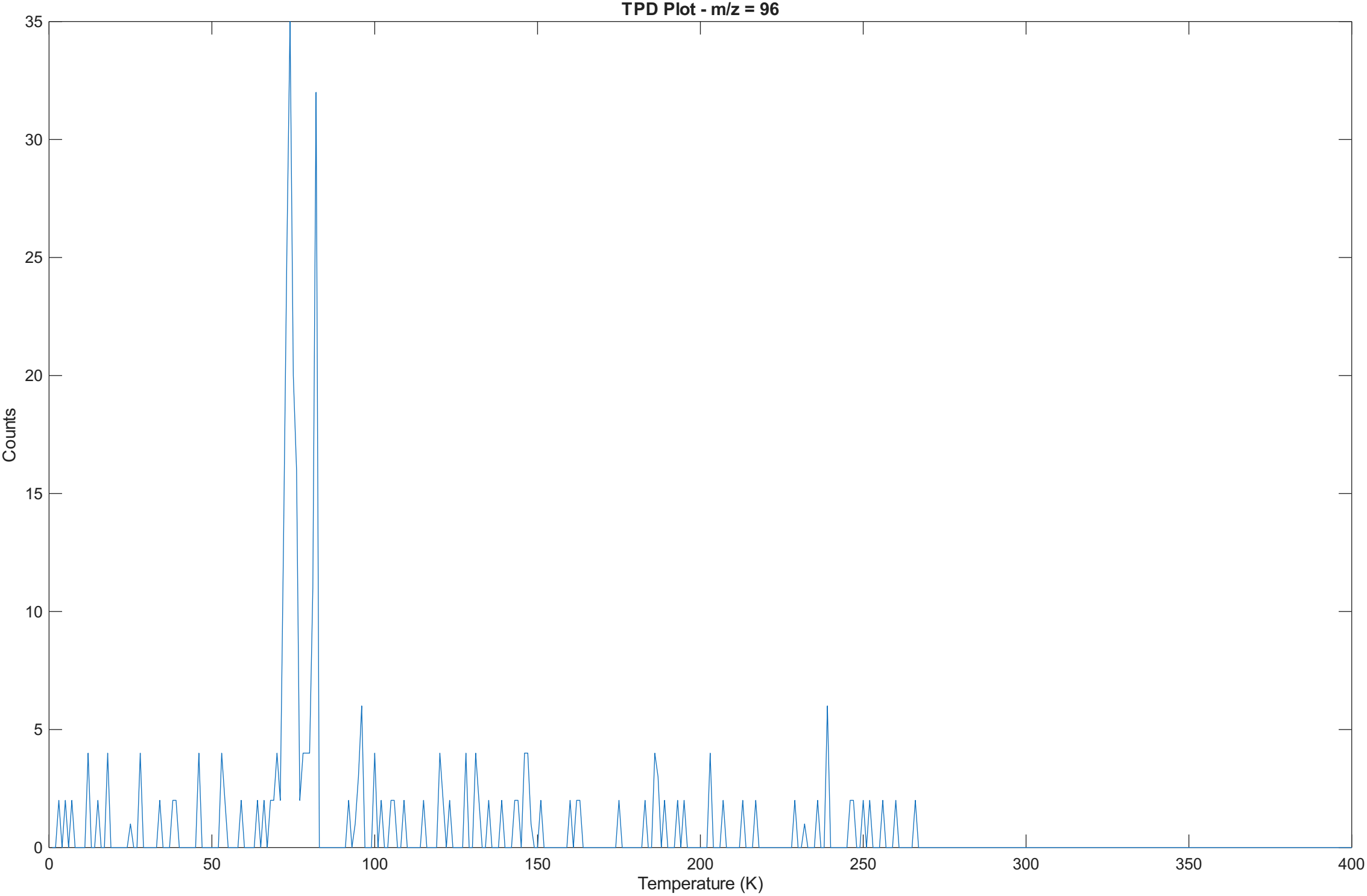

TPD Plot - m/z = 91
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

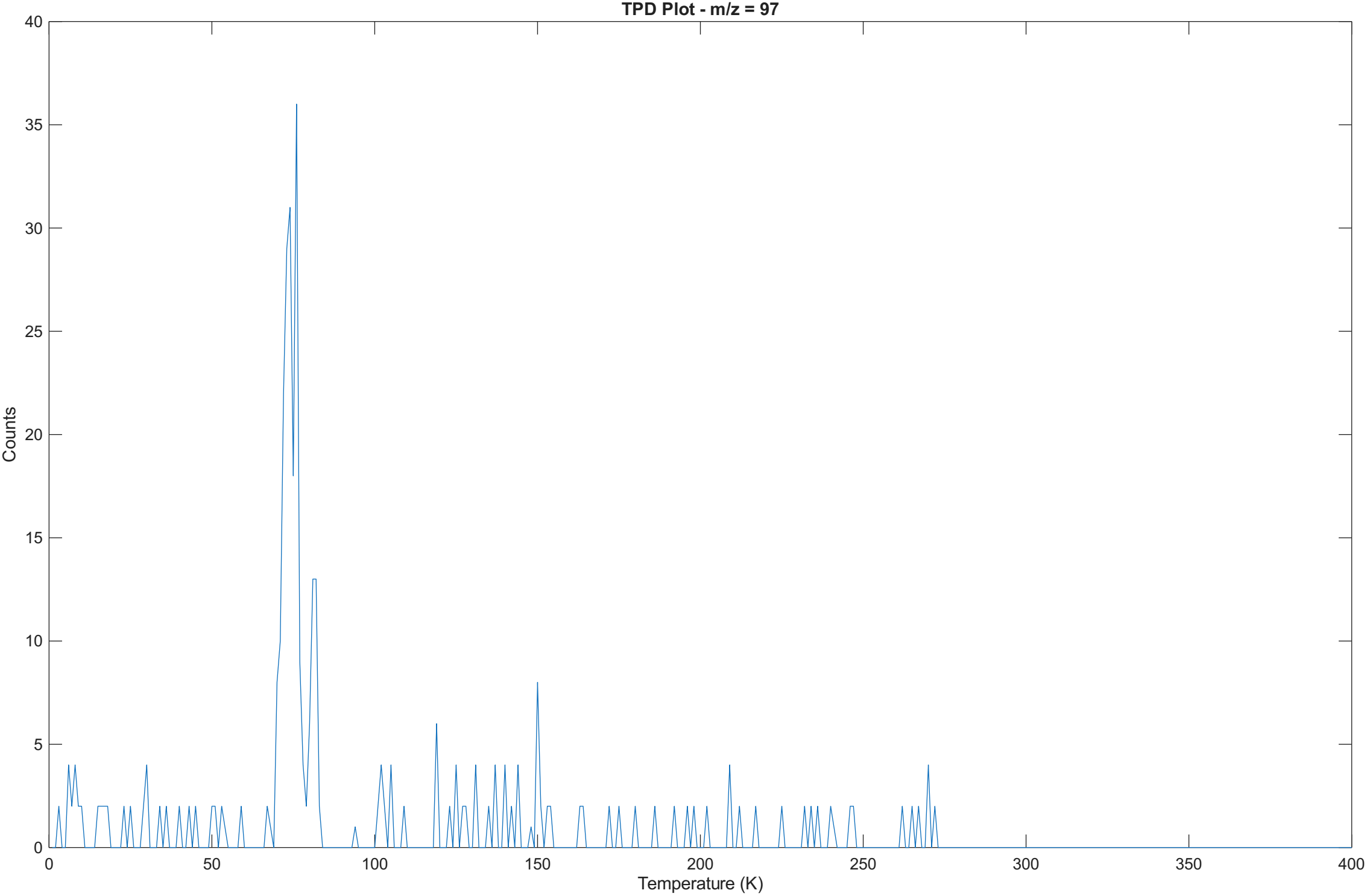

TPD Plot - m/z = 92
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

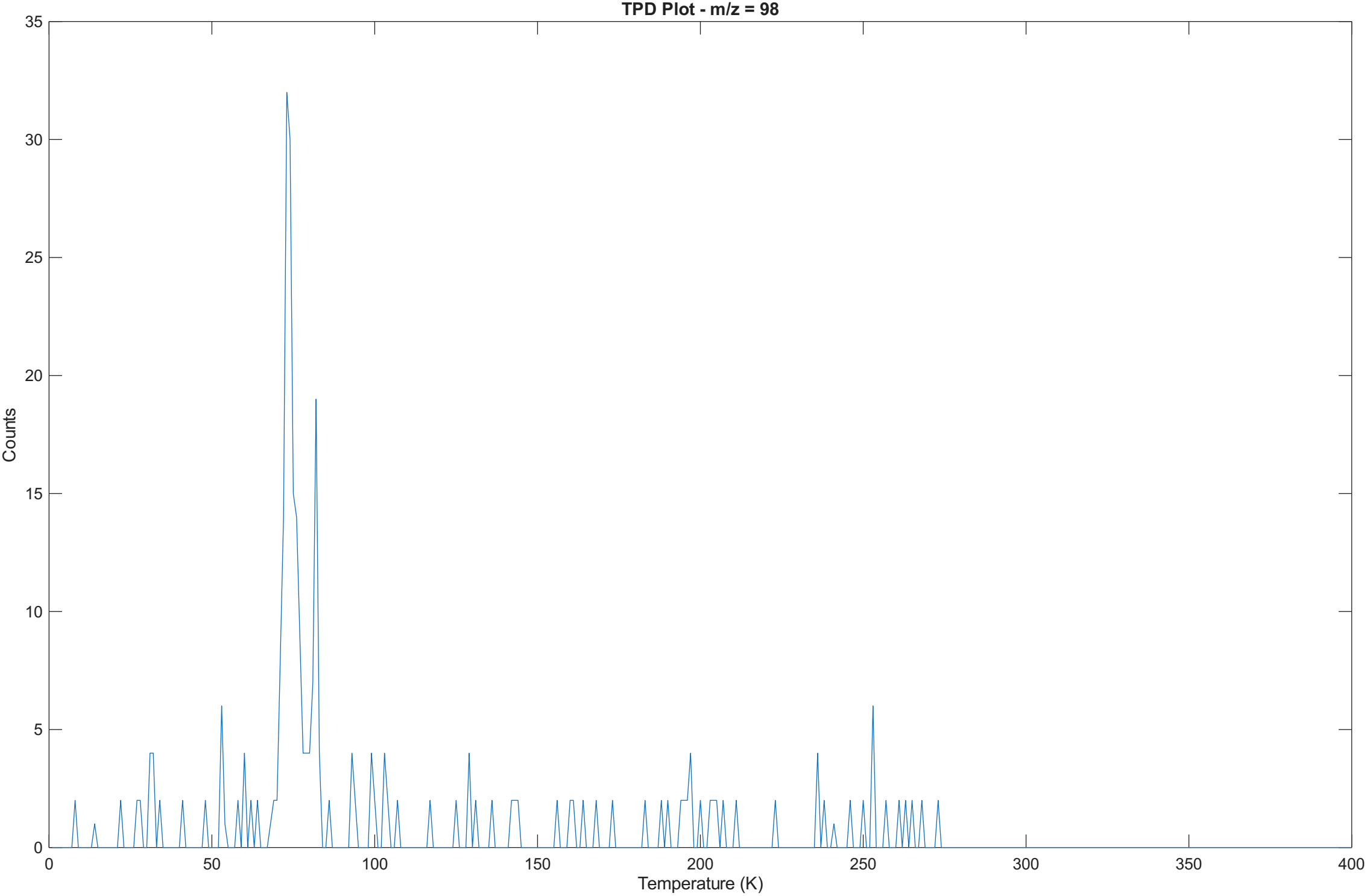

TPD Plot - m/z = 93
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

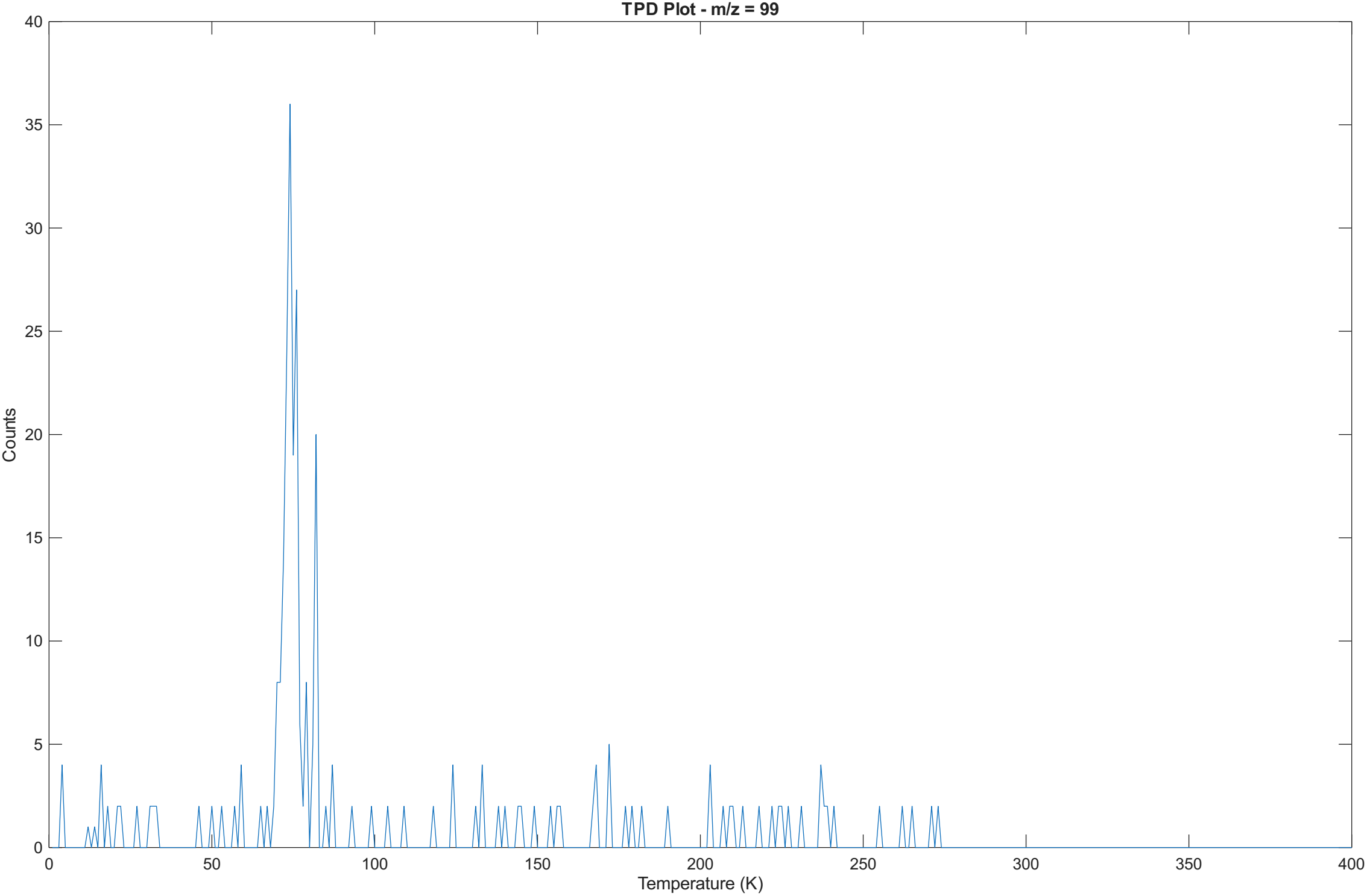

TPD Plot - m/z = 94
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

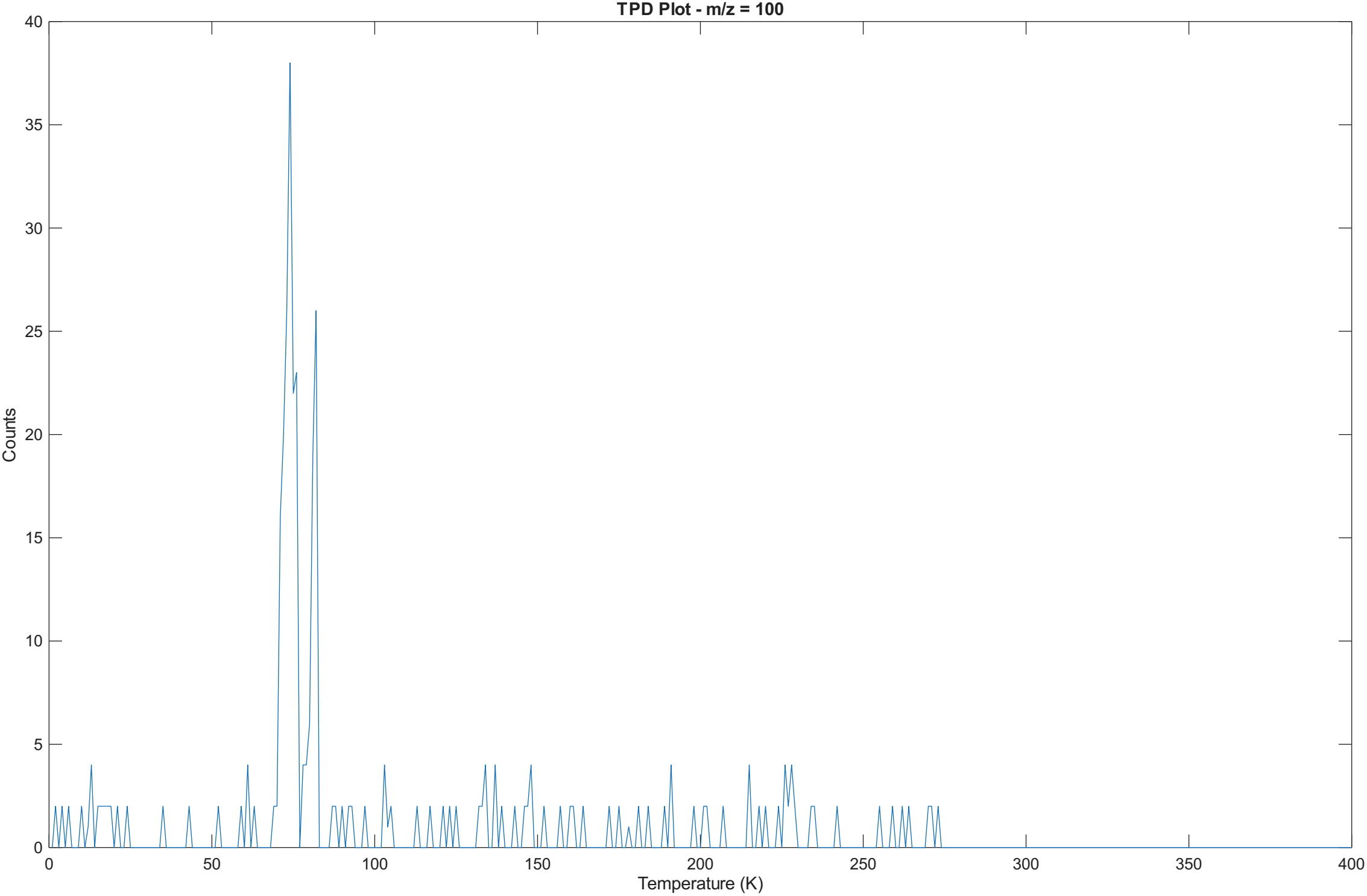

TPD Plot - m/z = 95
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

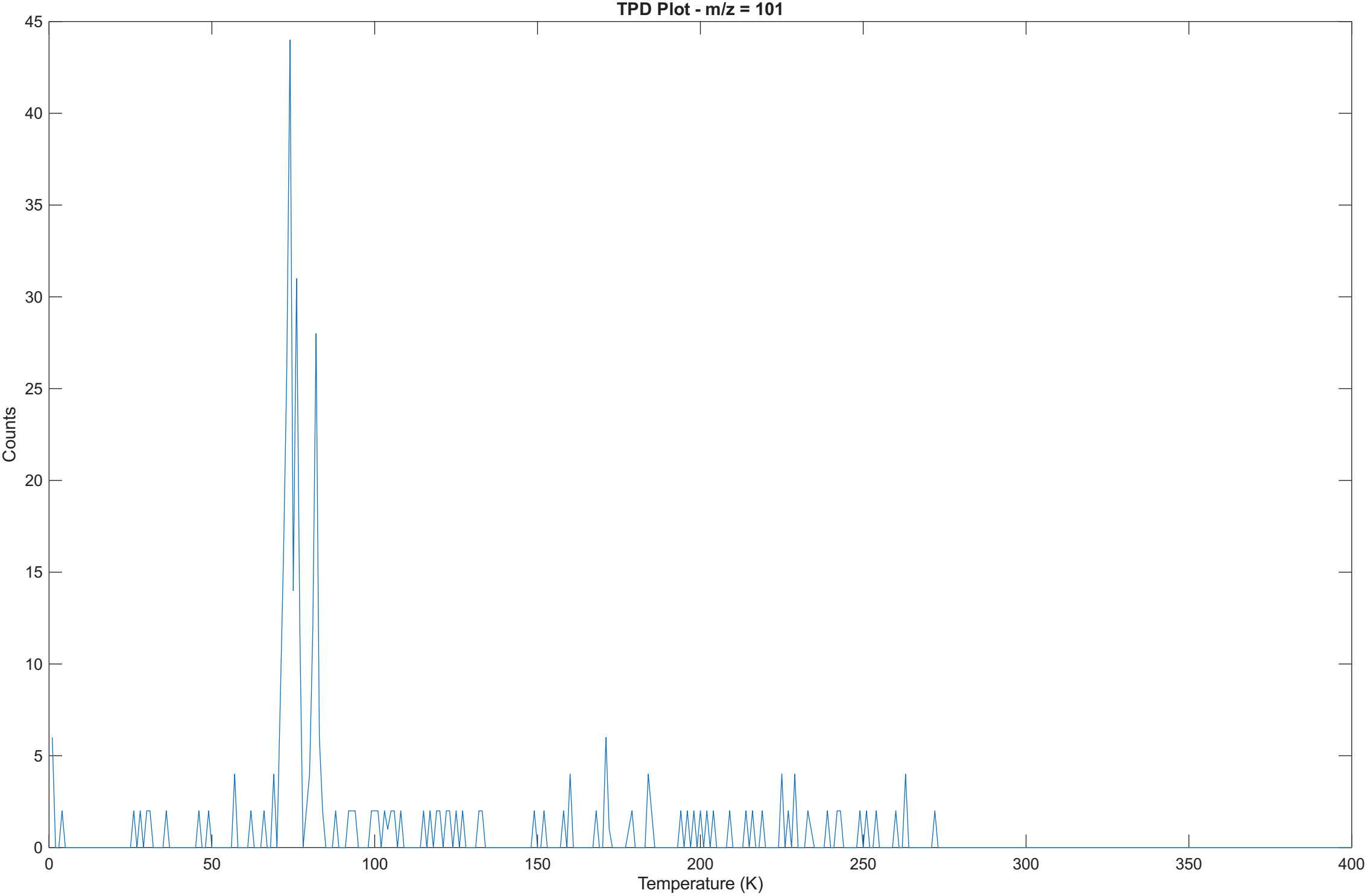

TPD Plot - m/z = 96
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

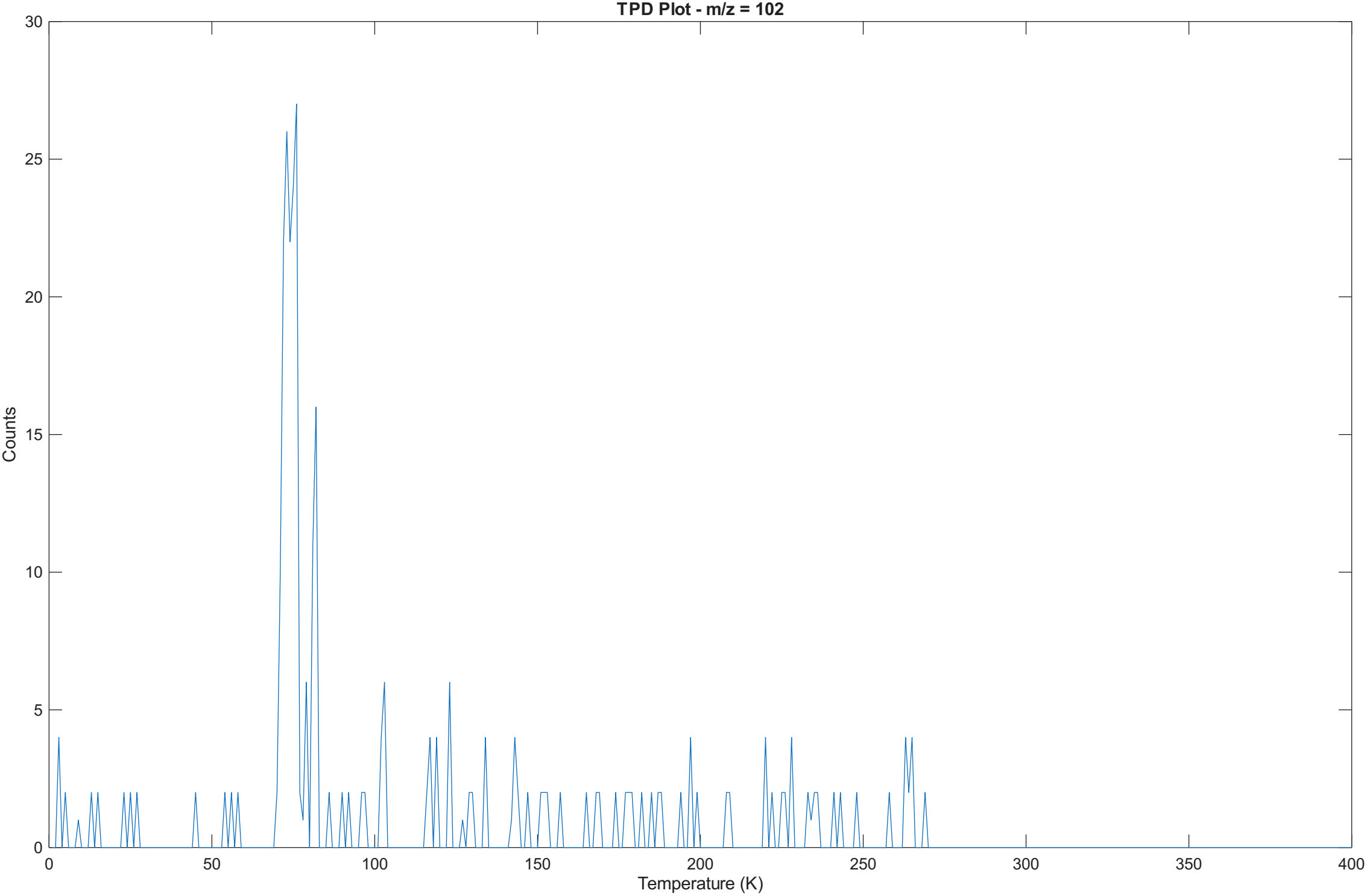

TPD Plot - m/z = 97
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

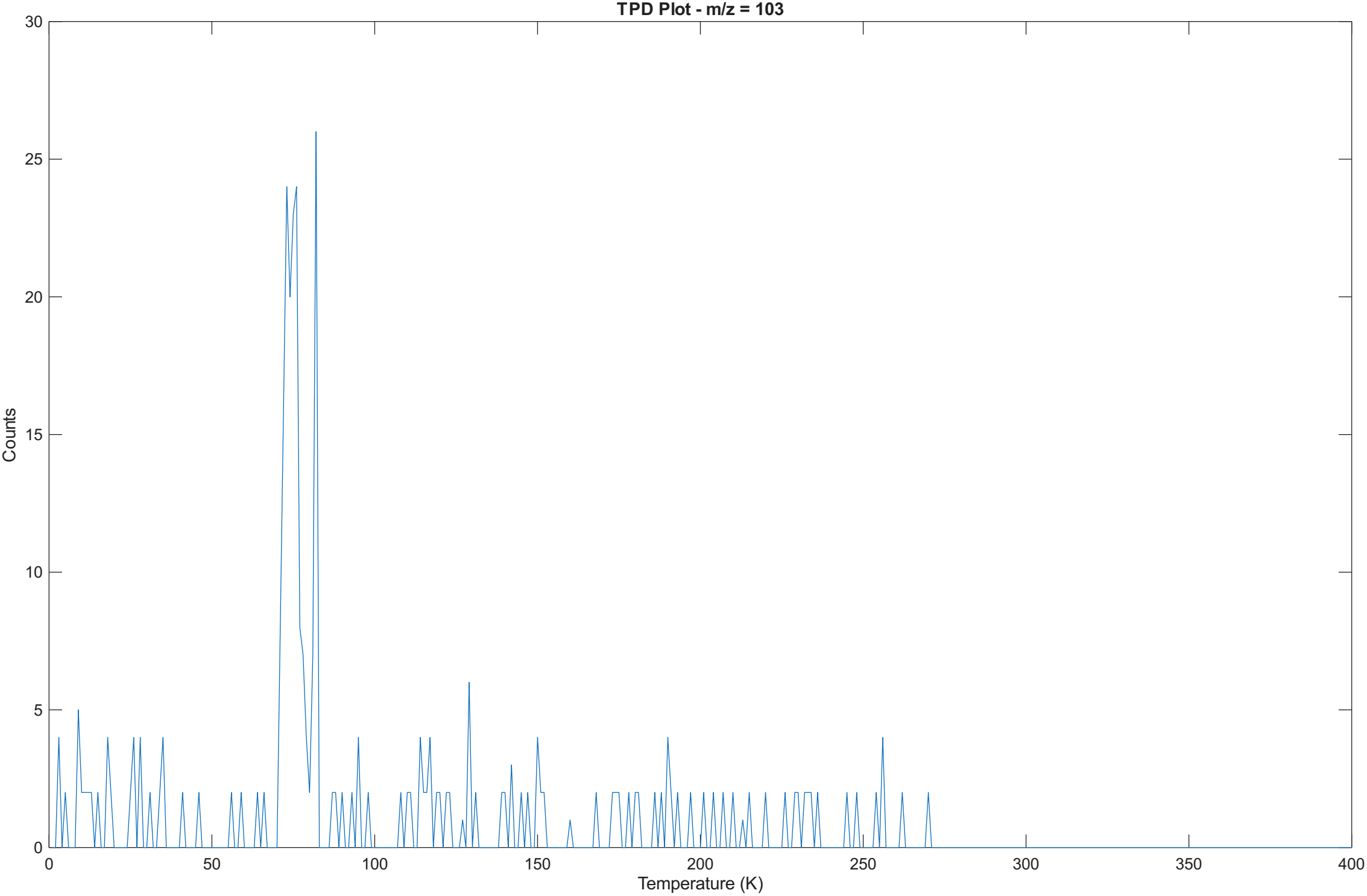

TPD Plot - m/z = 98
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

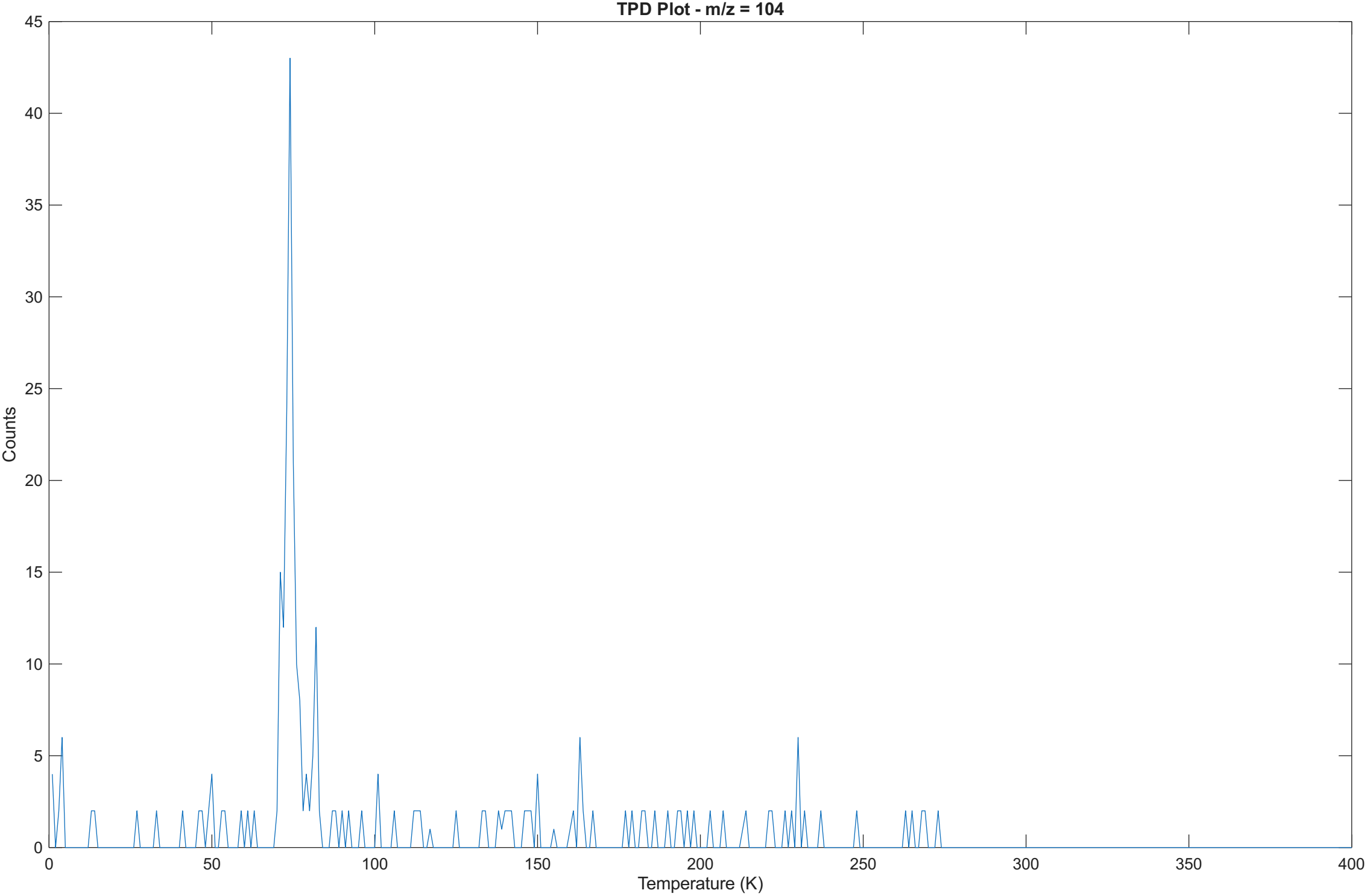

TPD Plot - m/z = 99
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

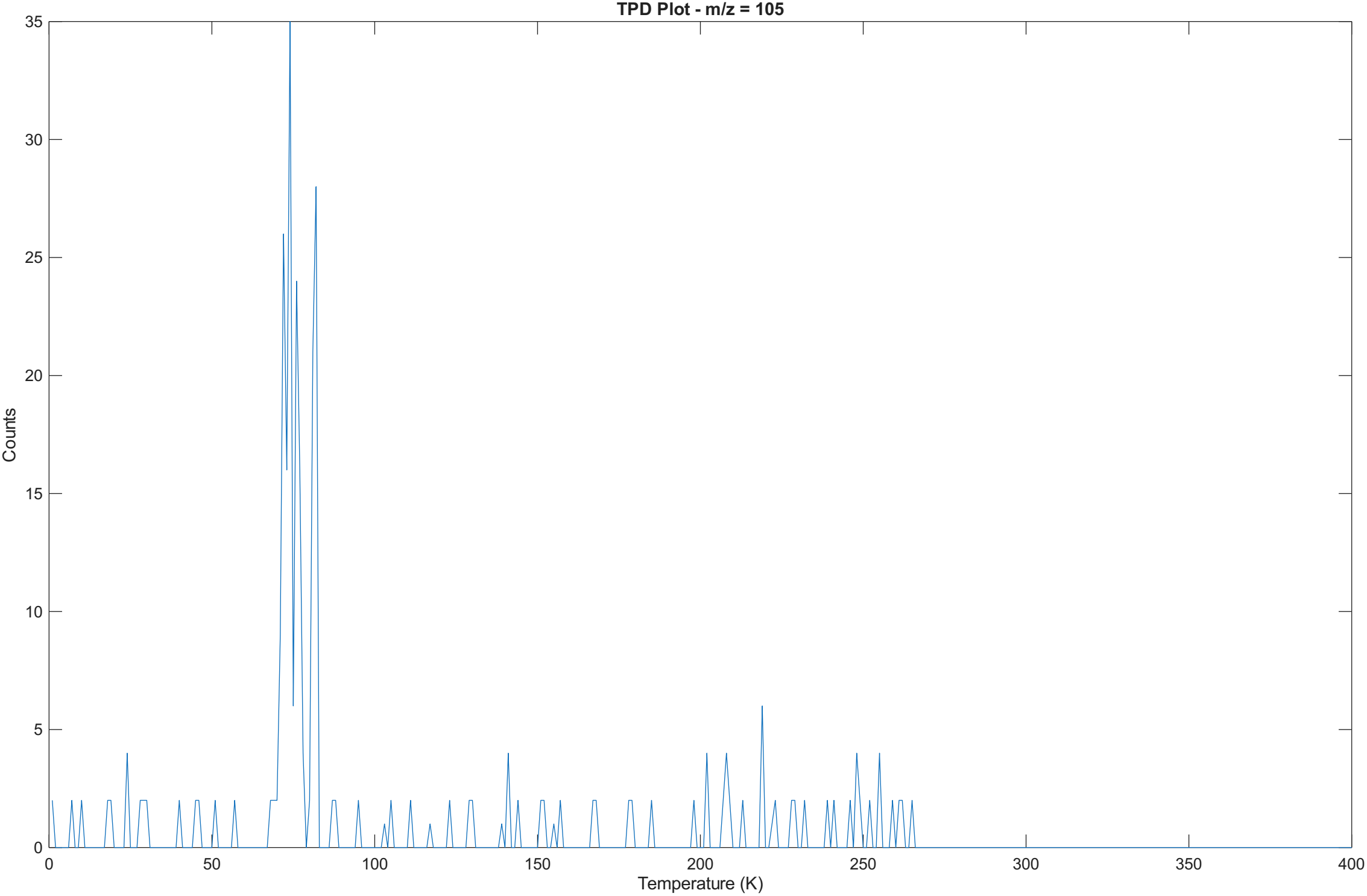

TPD Plot - m/z = 100
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

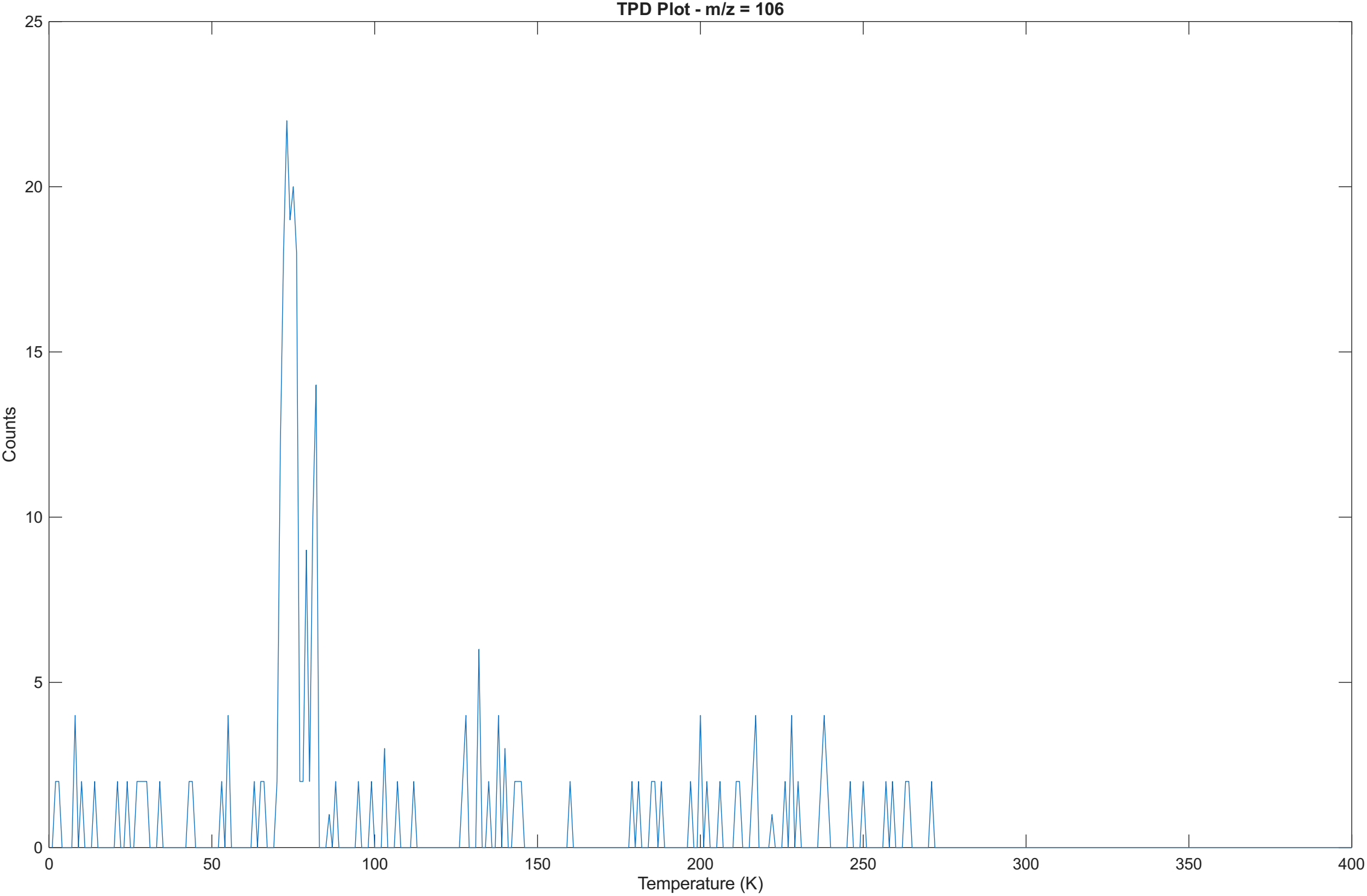

TPD Plot - m/z = 101
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

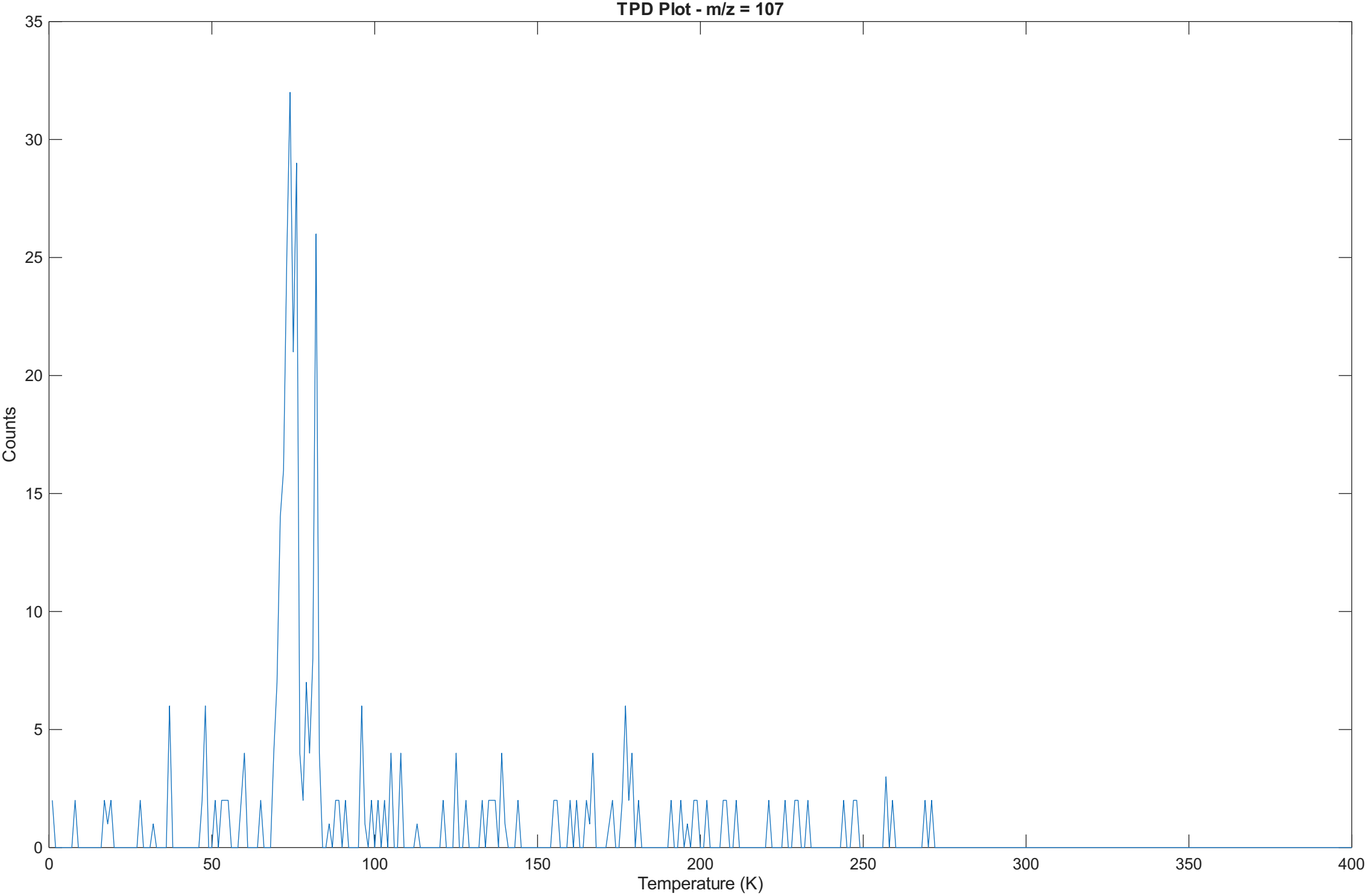

TPD Plot - m/z = 102
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

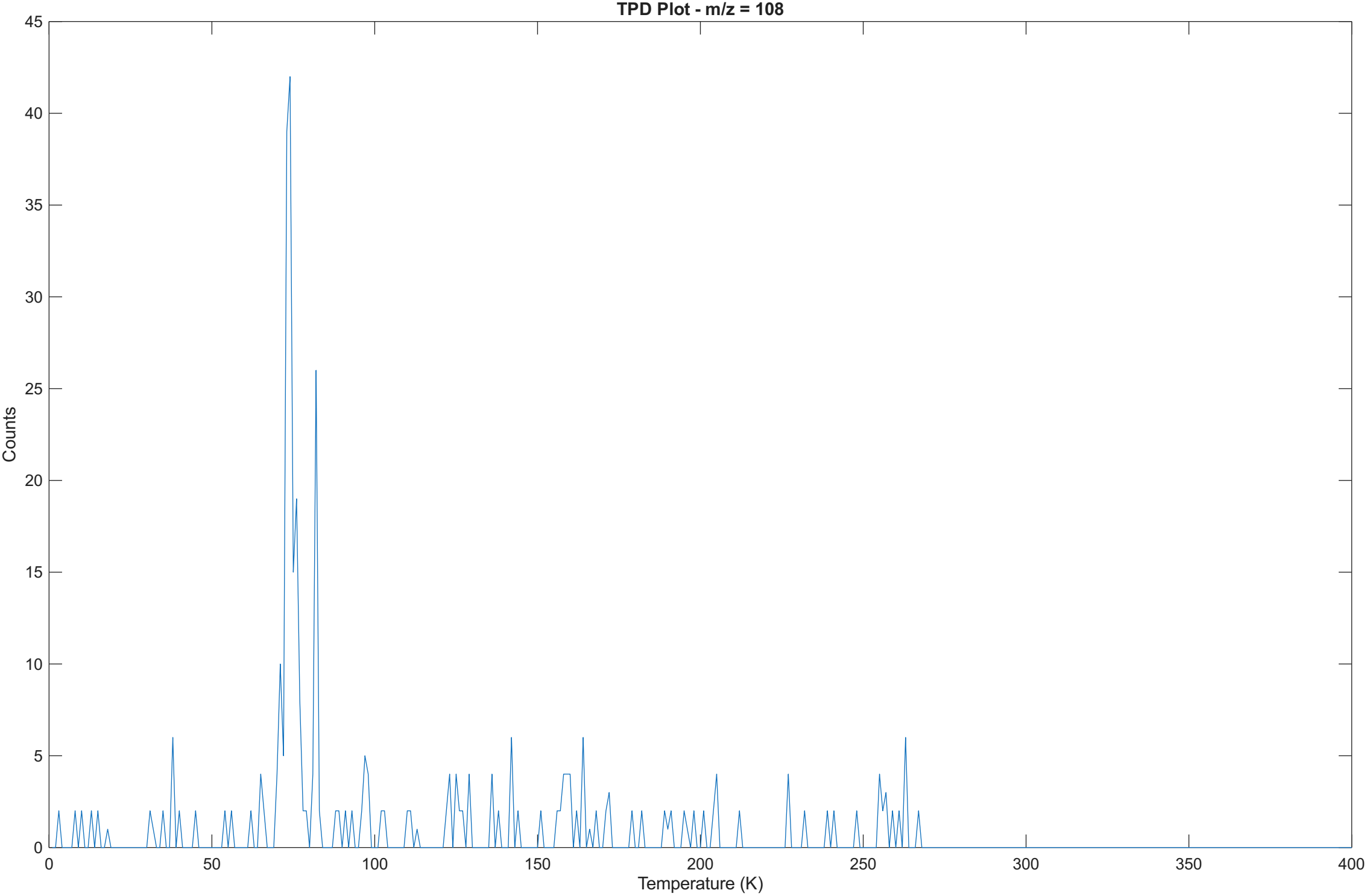

TPD Plot - m/z = 103
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

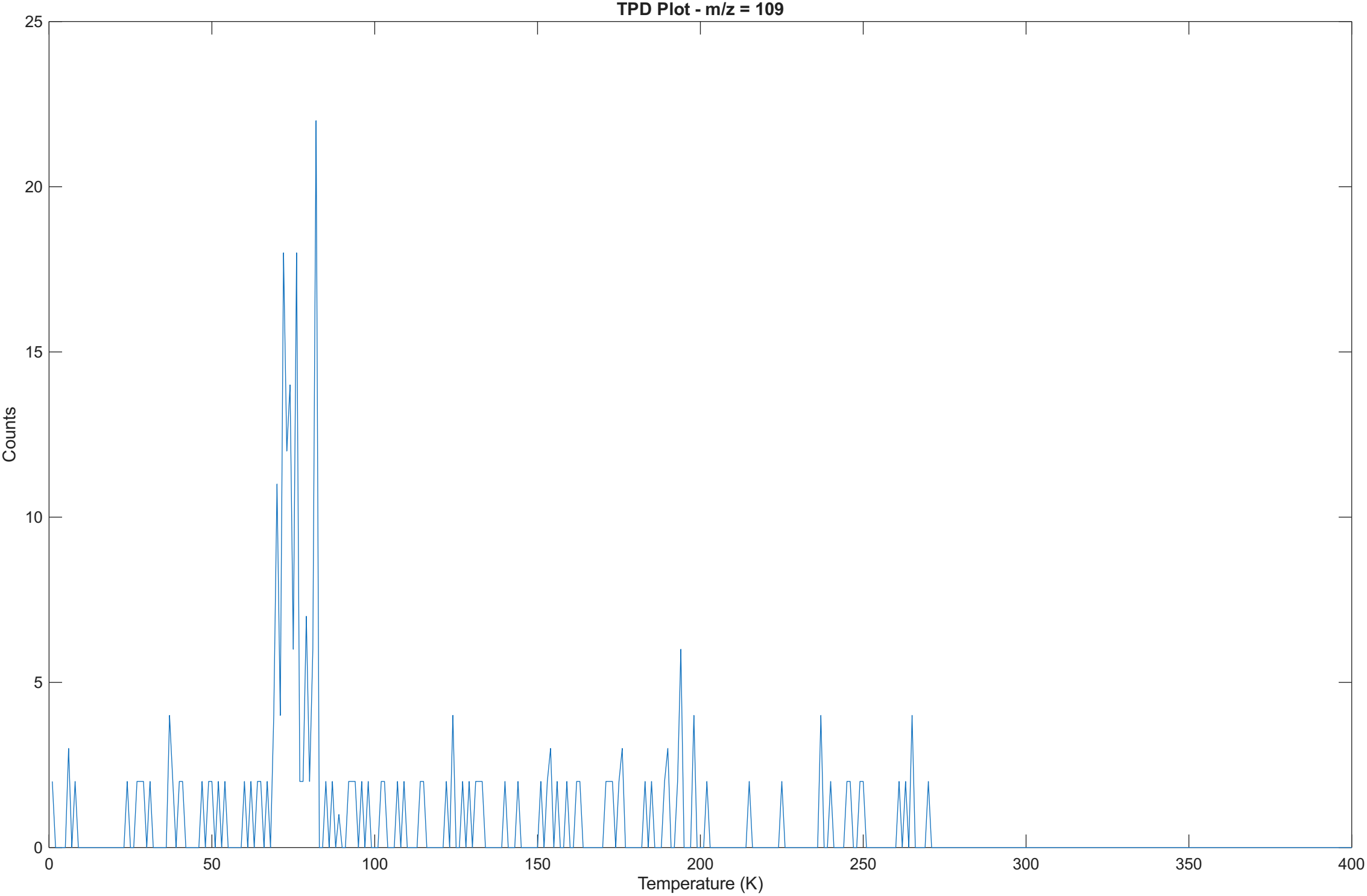

TPD Plot - m/z = 104
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

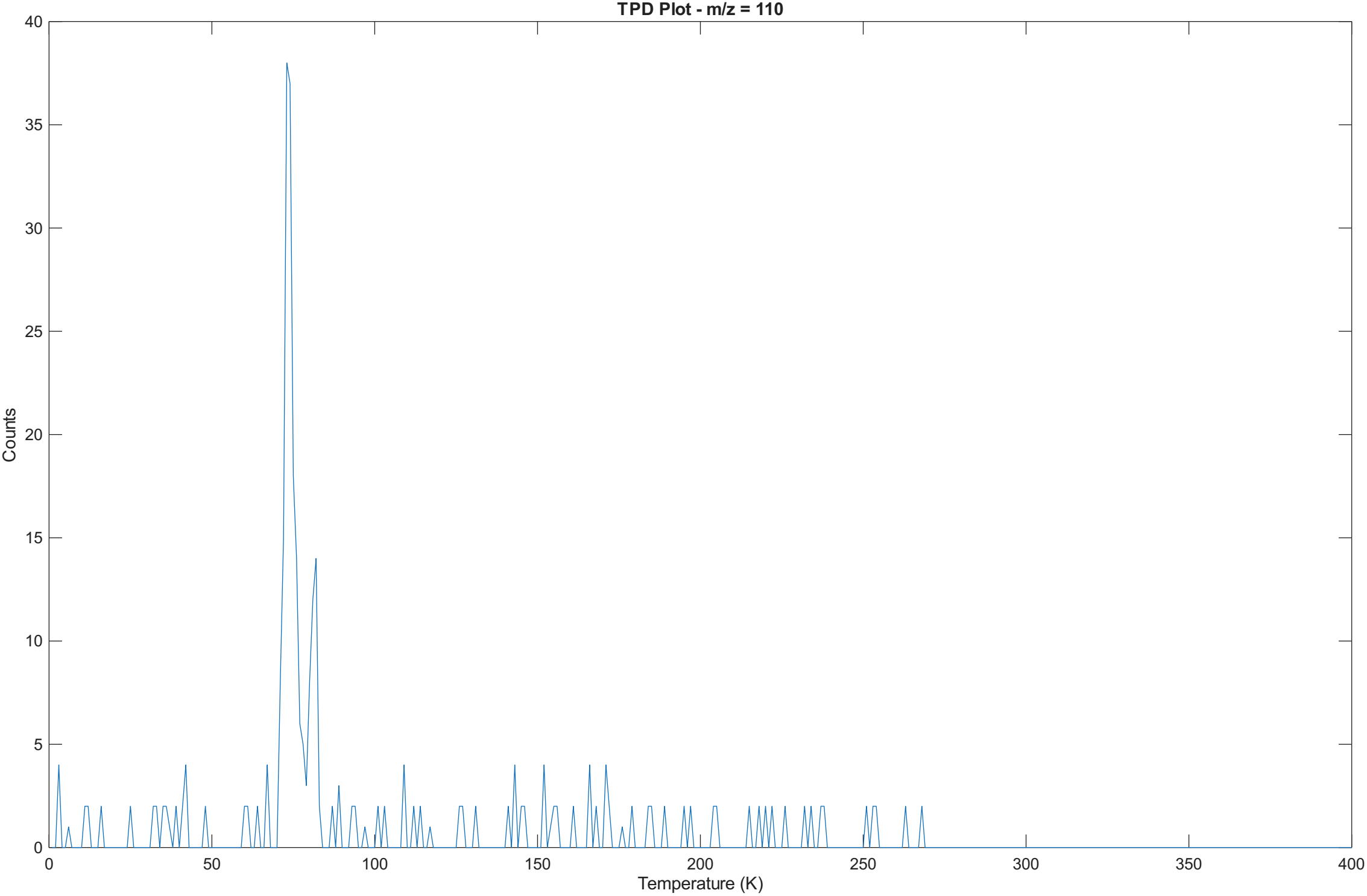

TPD Plot - m/z = 105
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

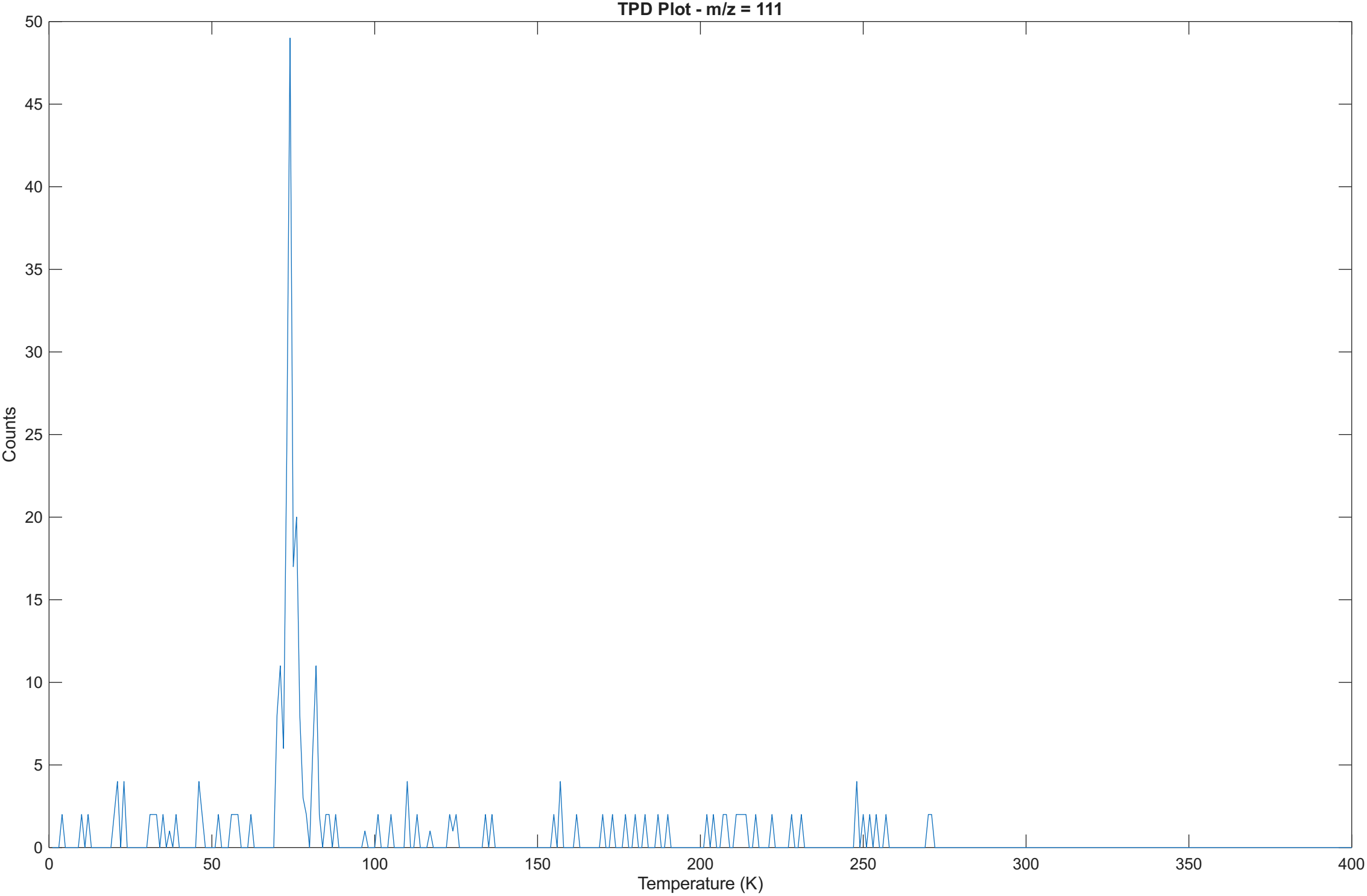

TPD Plot - m/z = 106
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 107
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 108
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 109
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 110
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 111
Counts
Temperature (K)
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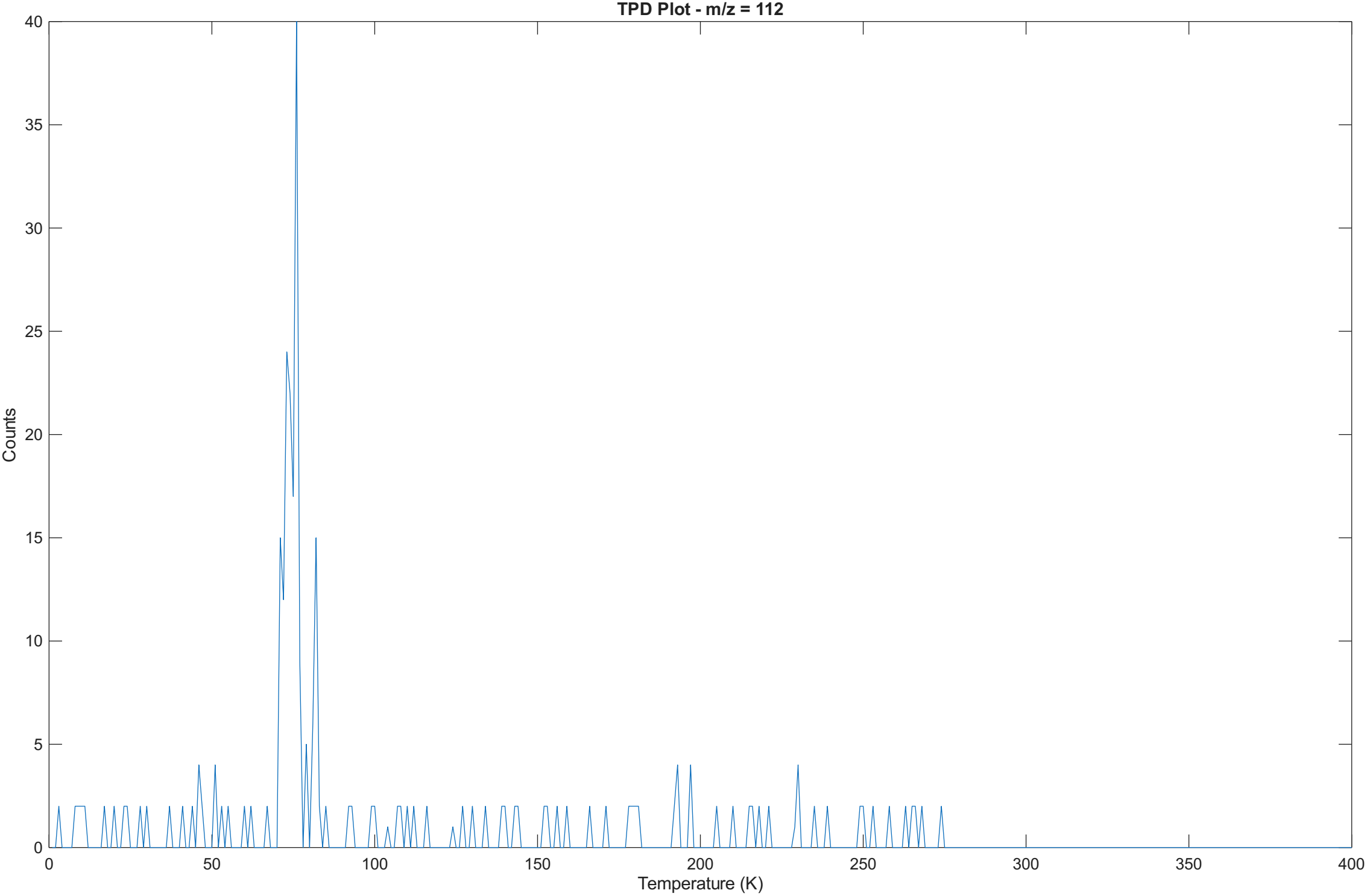
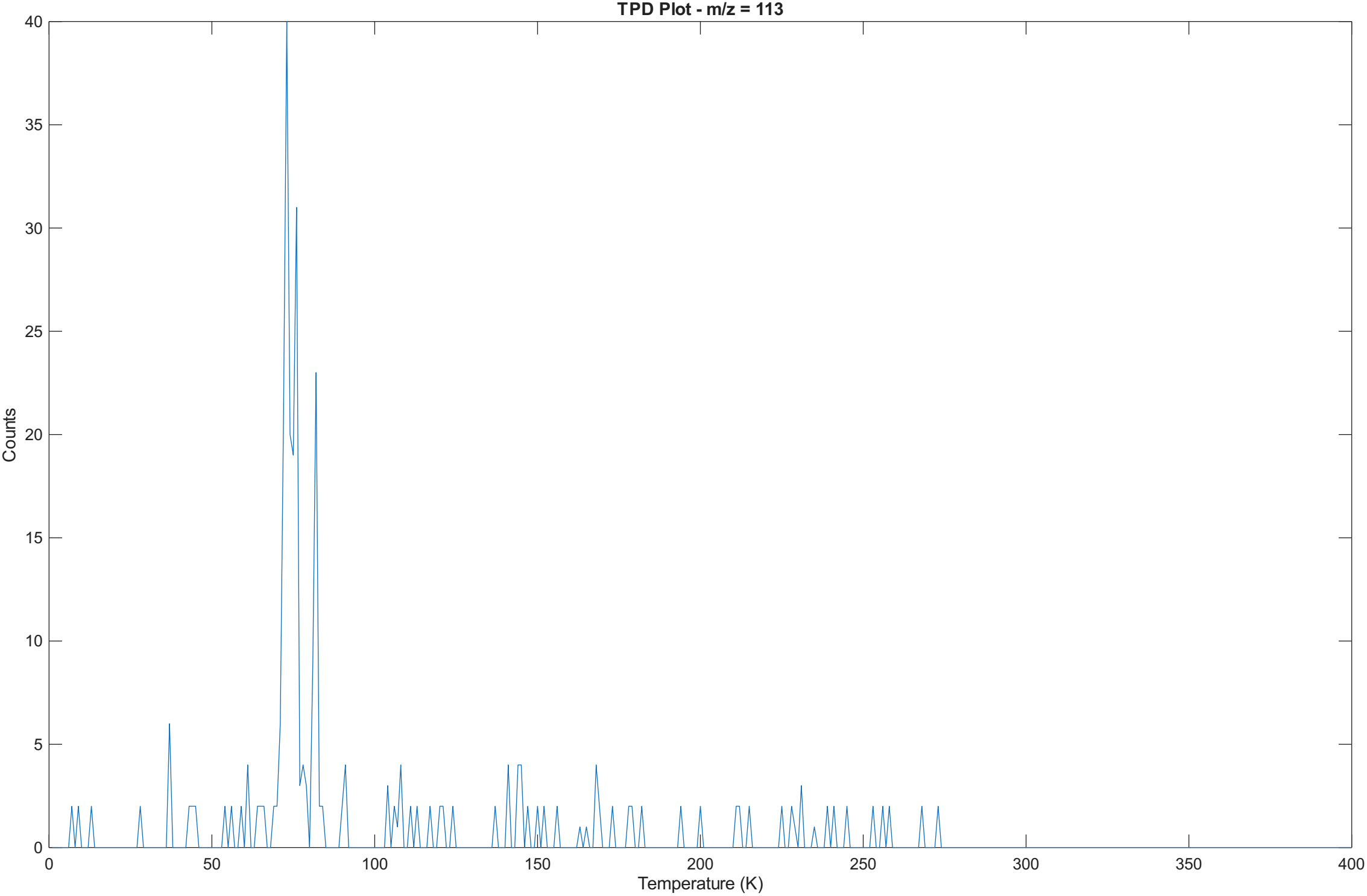
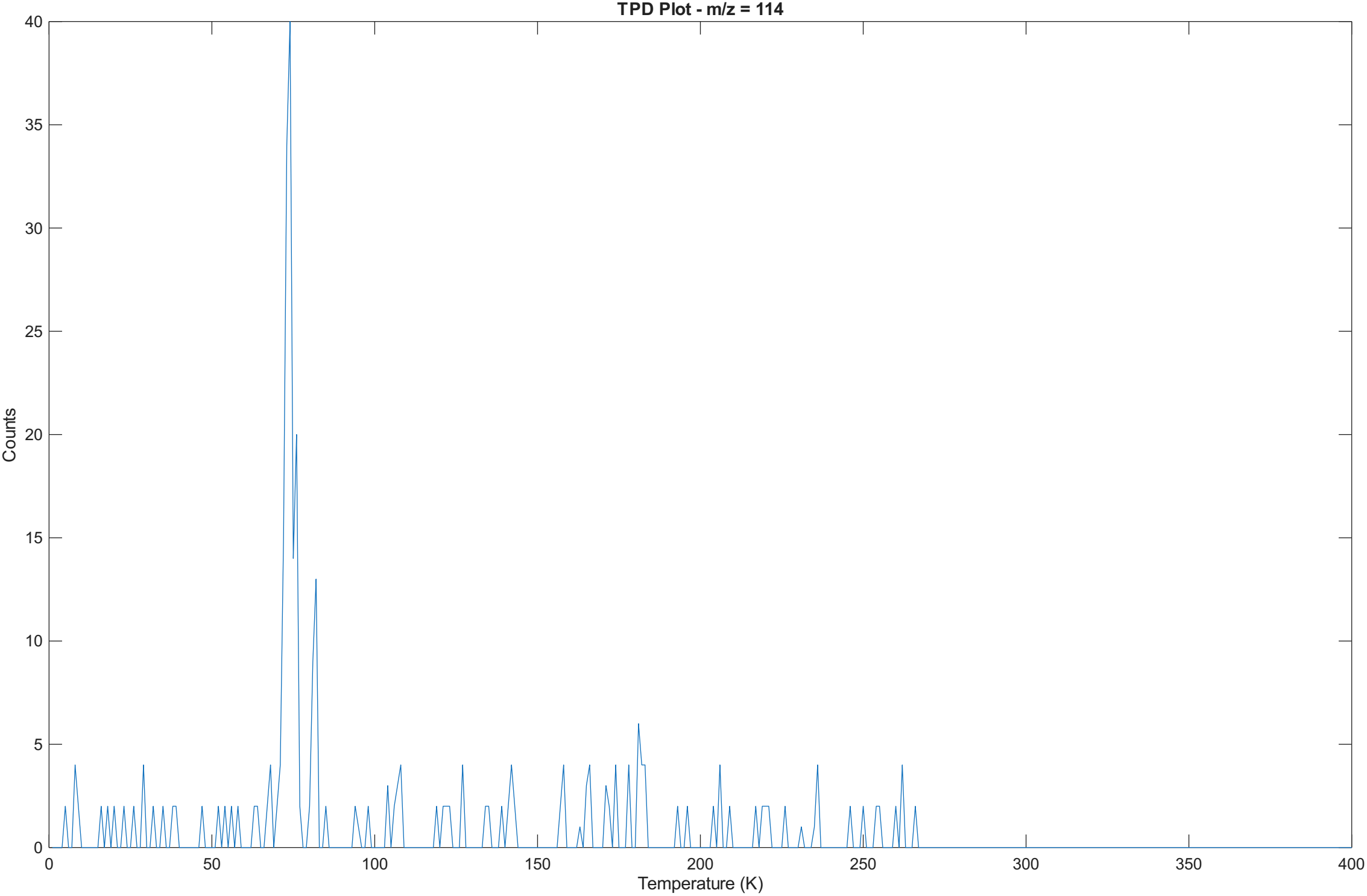
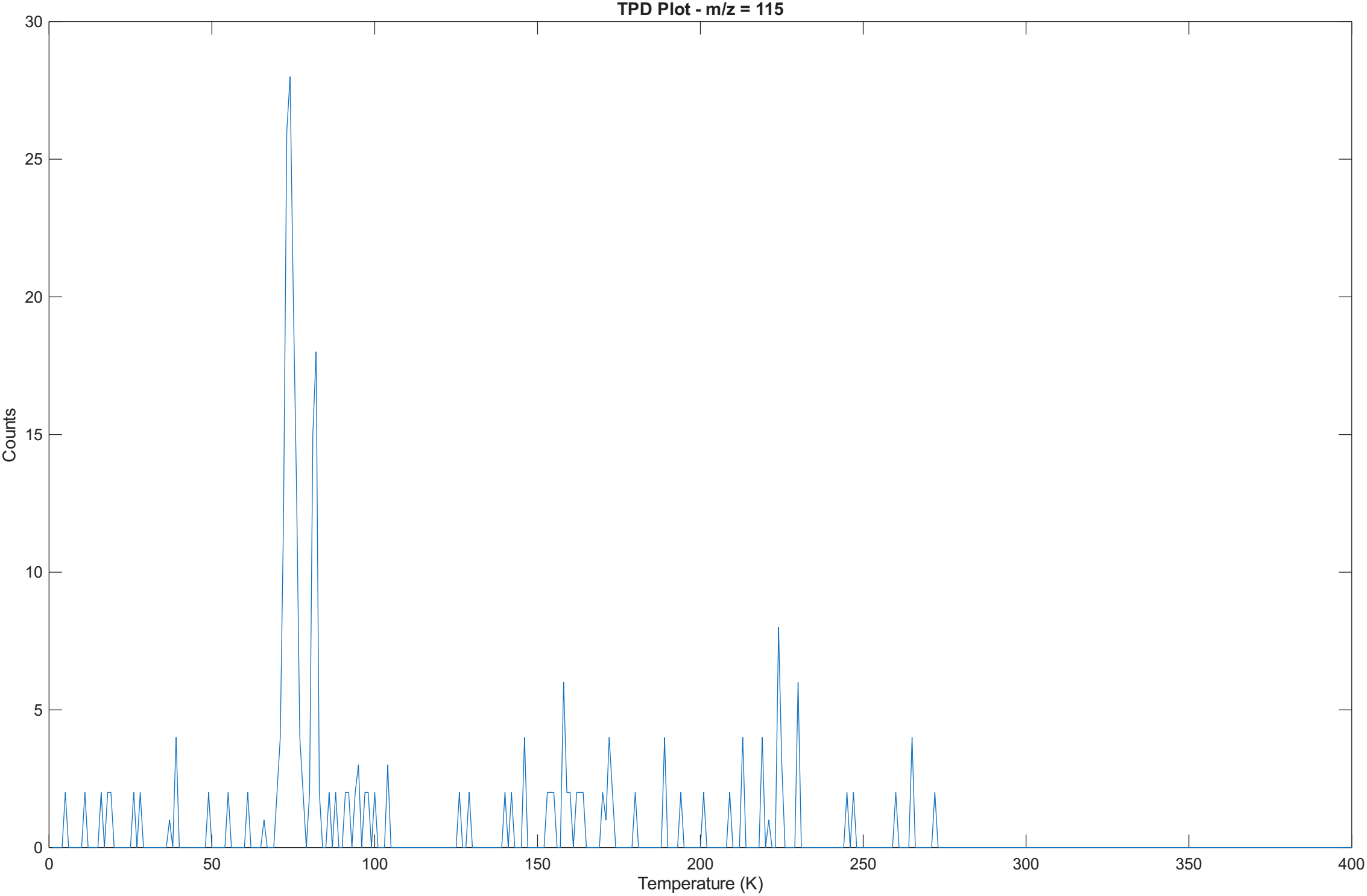
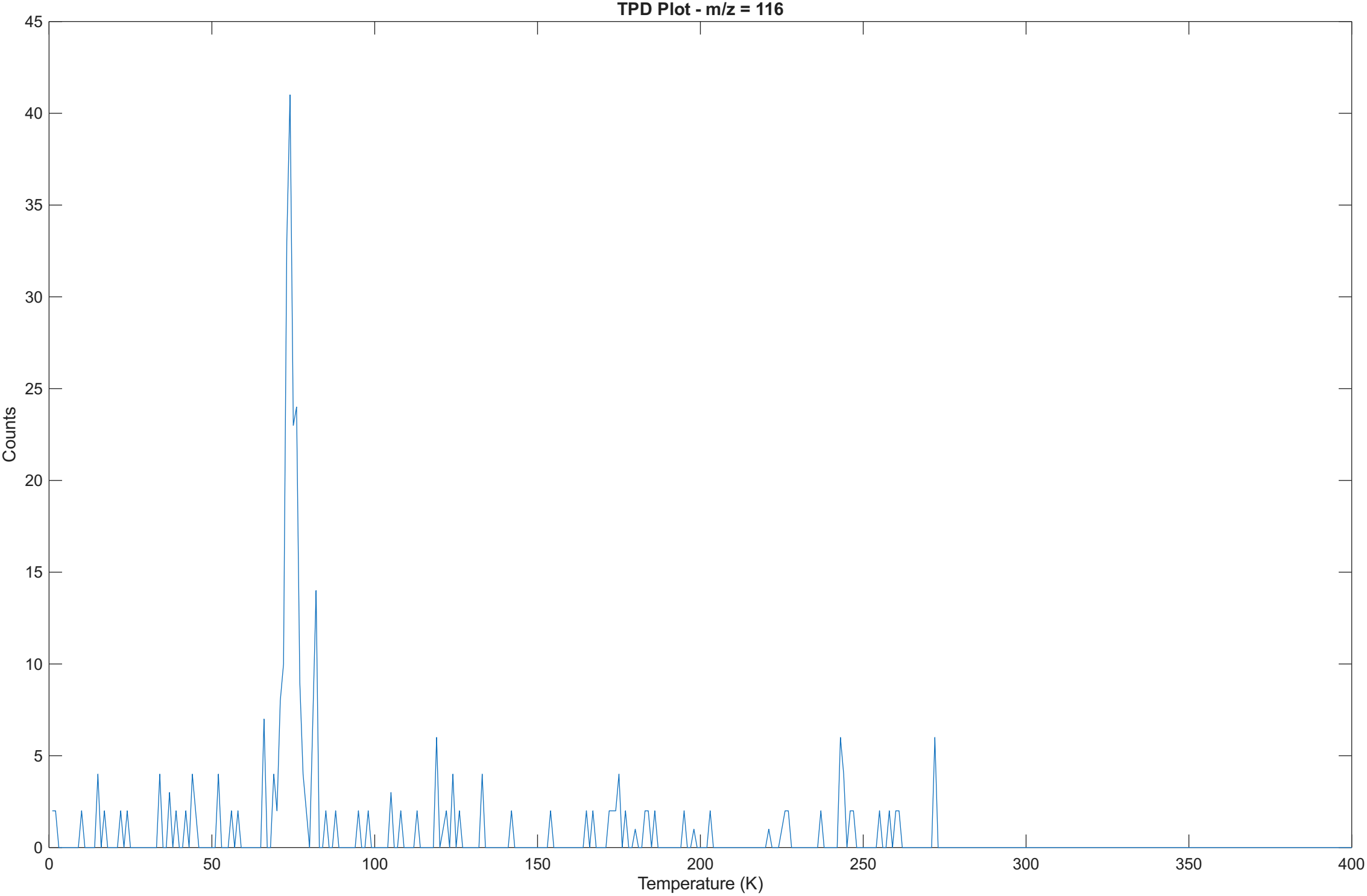
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 112
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 113
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 114
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 115
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 116
Counts
Temperature (K)
0
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10
15
20
25
30
35
40
45
0
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100
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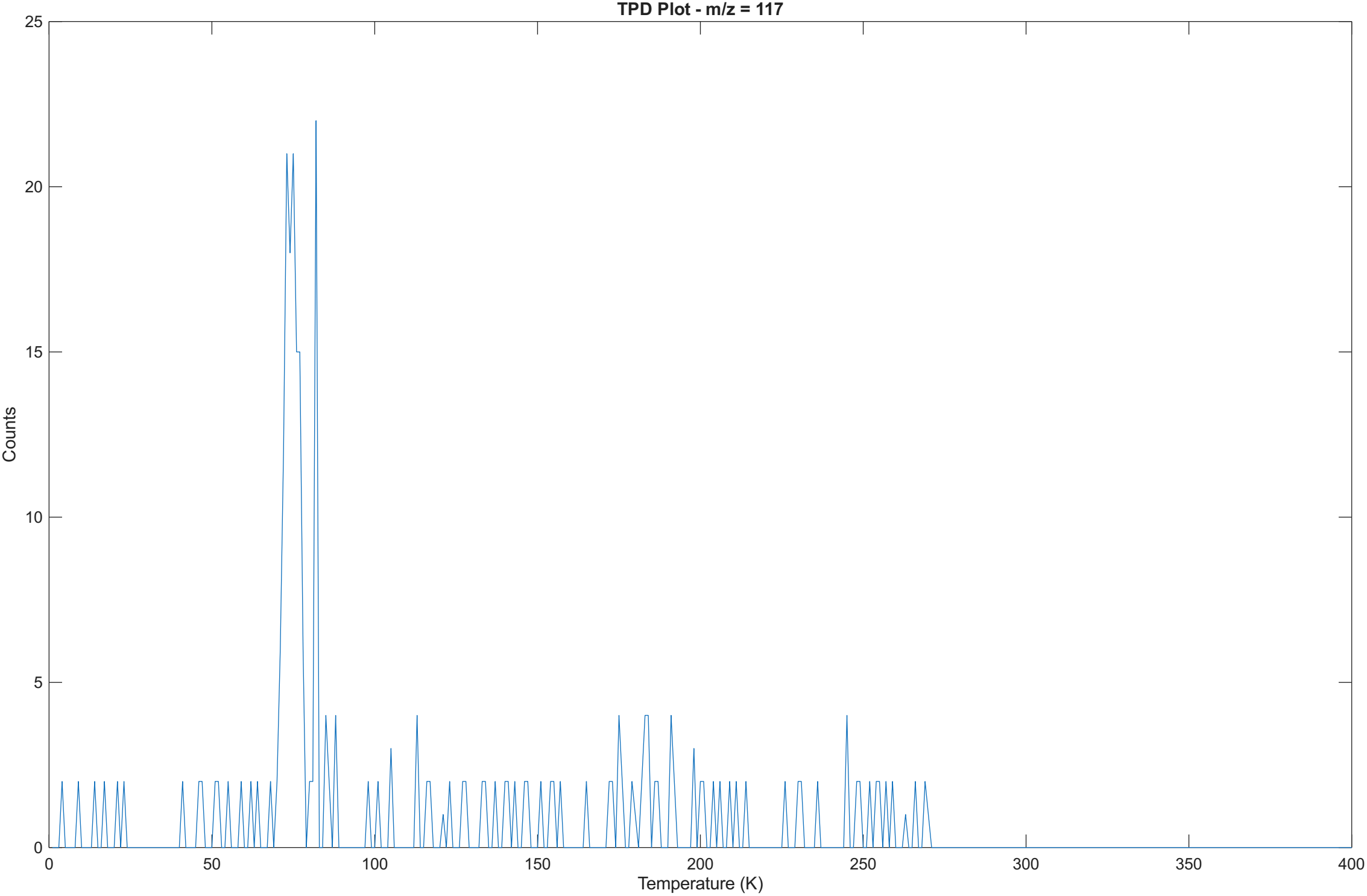
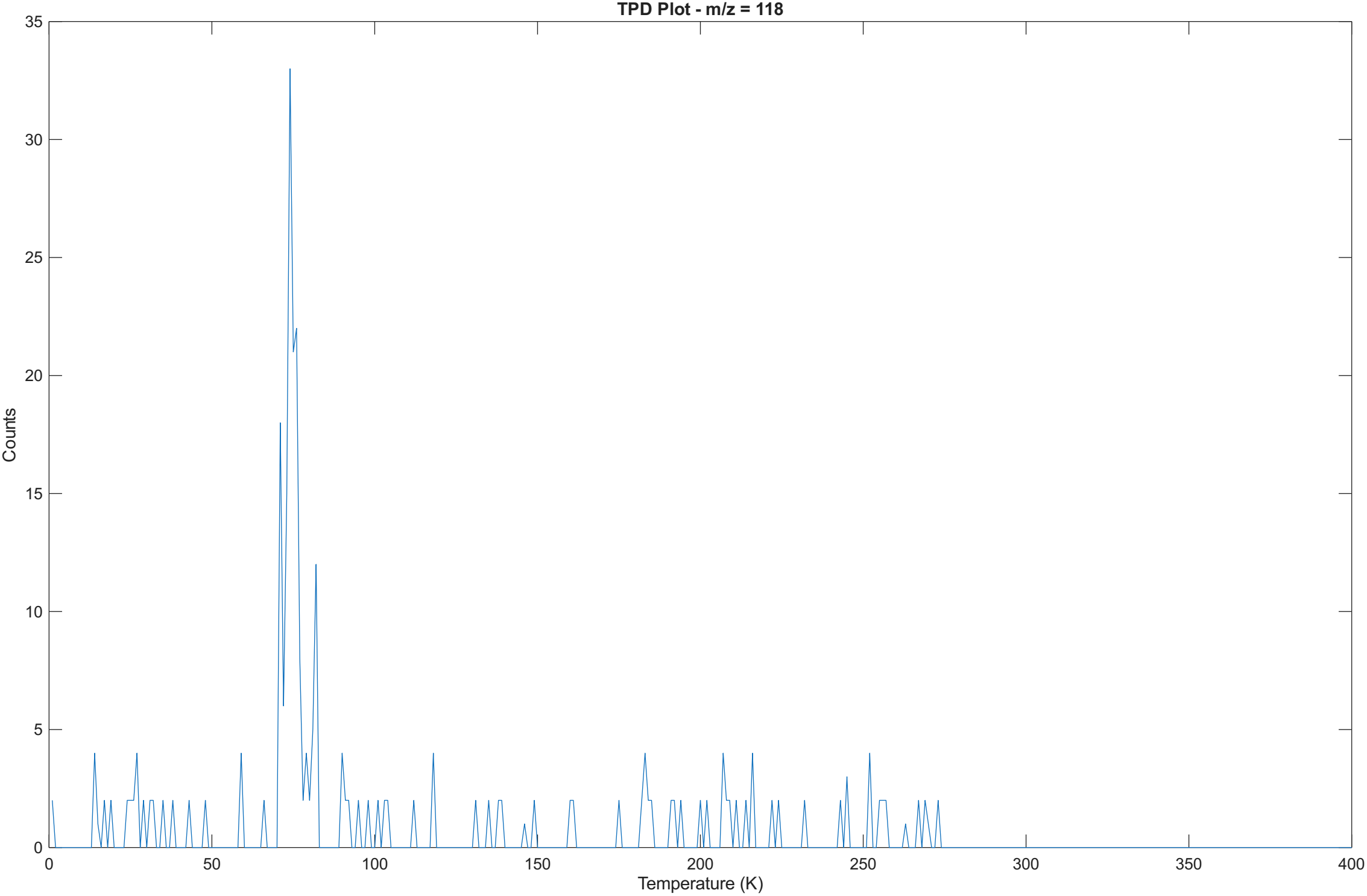
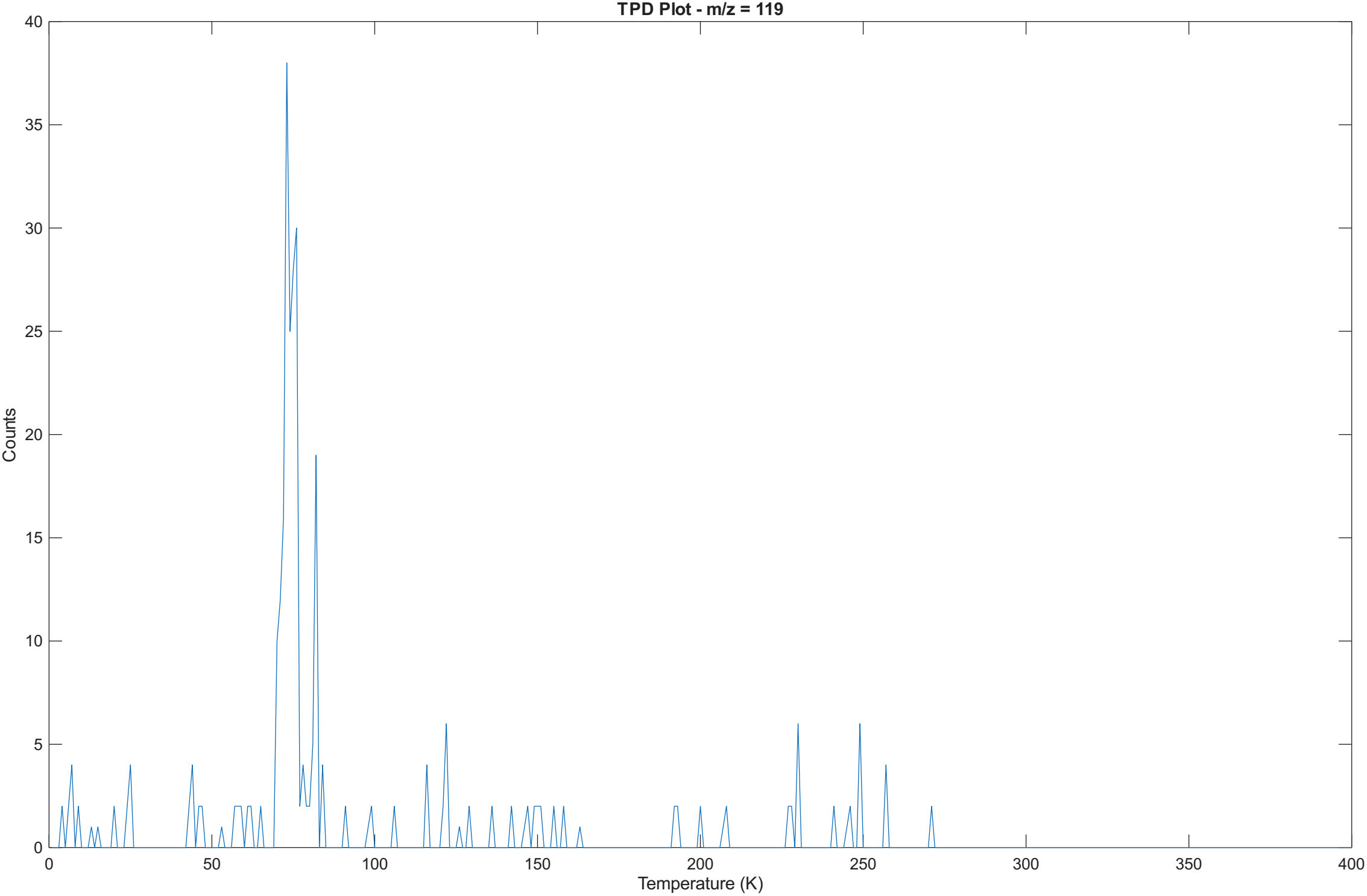
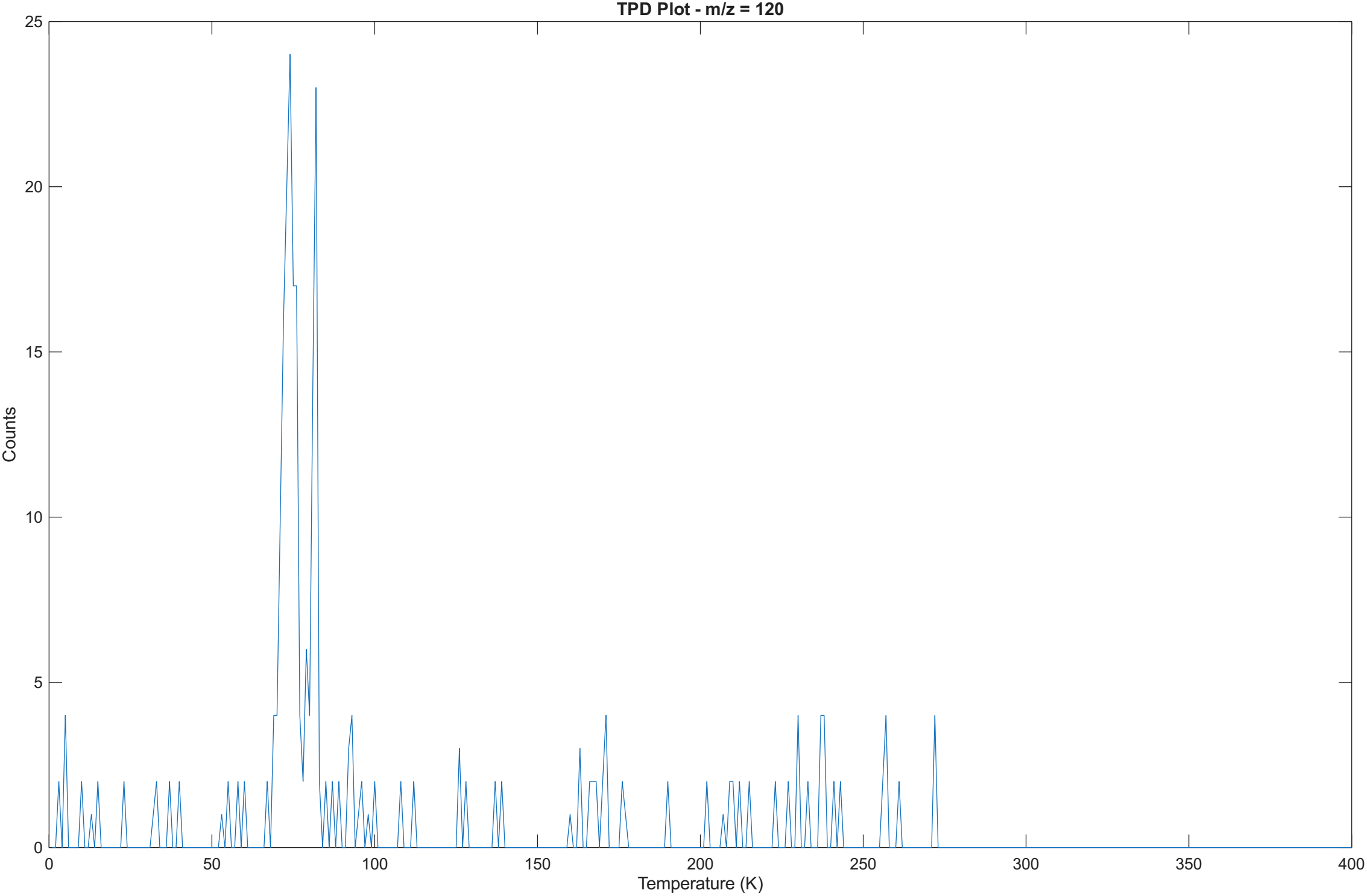
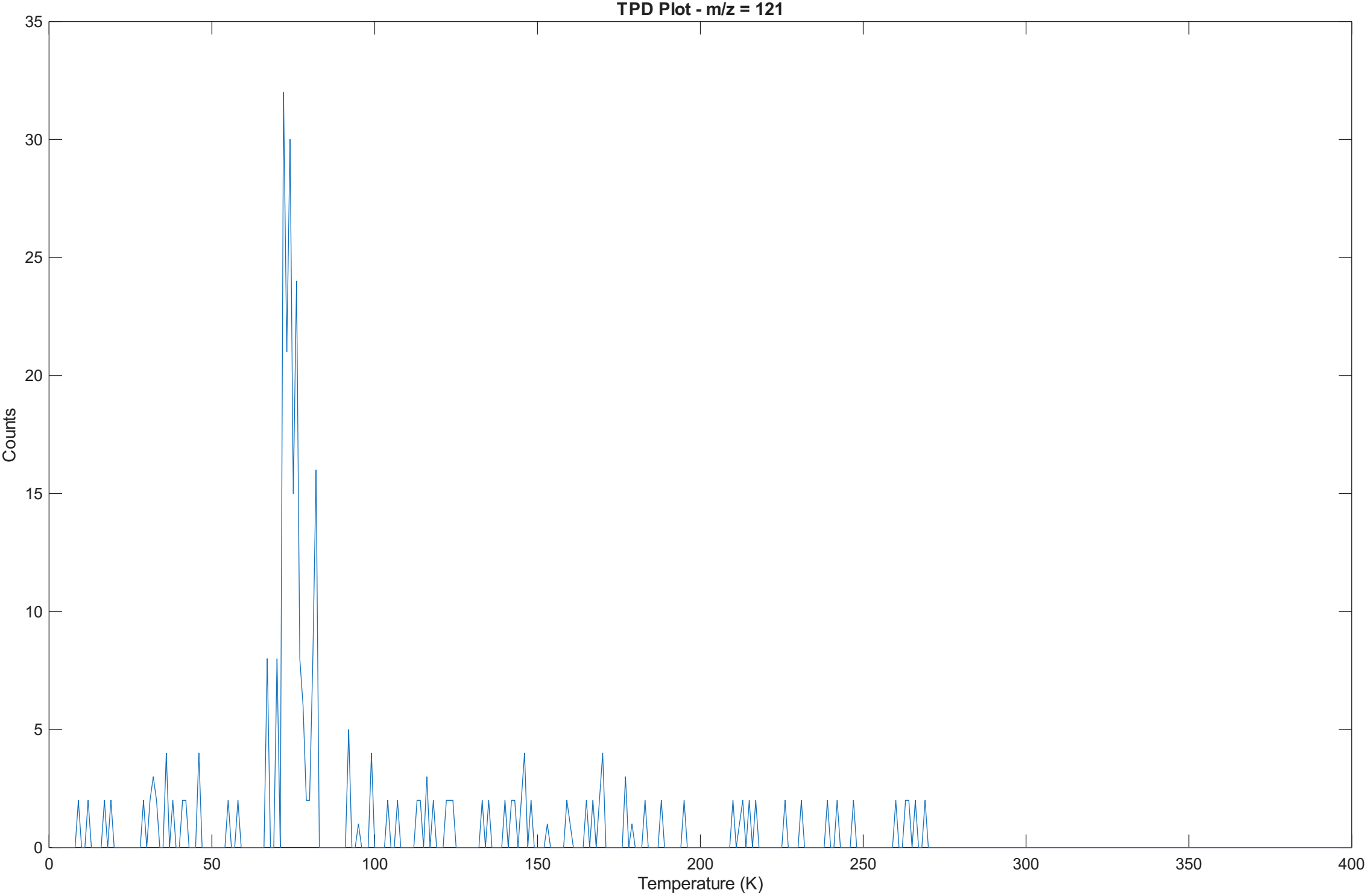
250
300
350
400

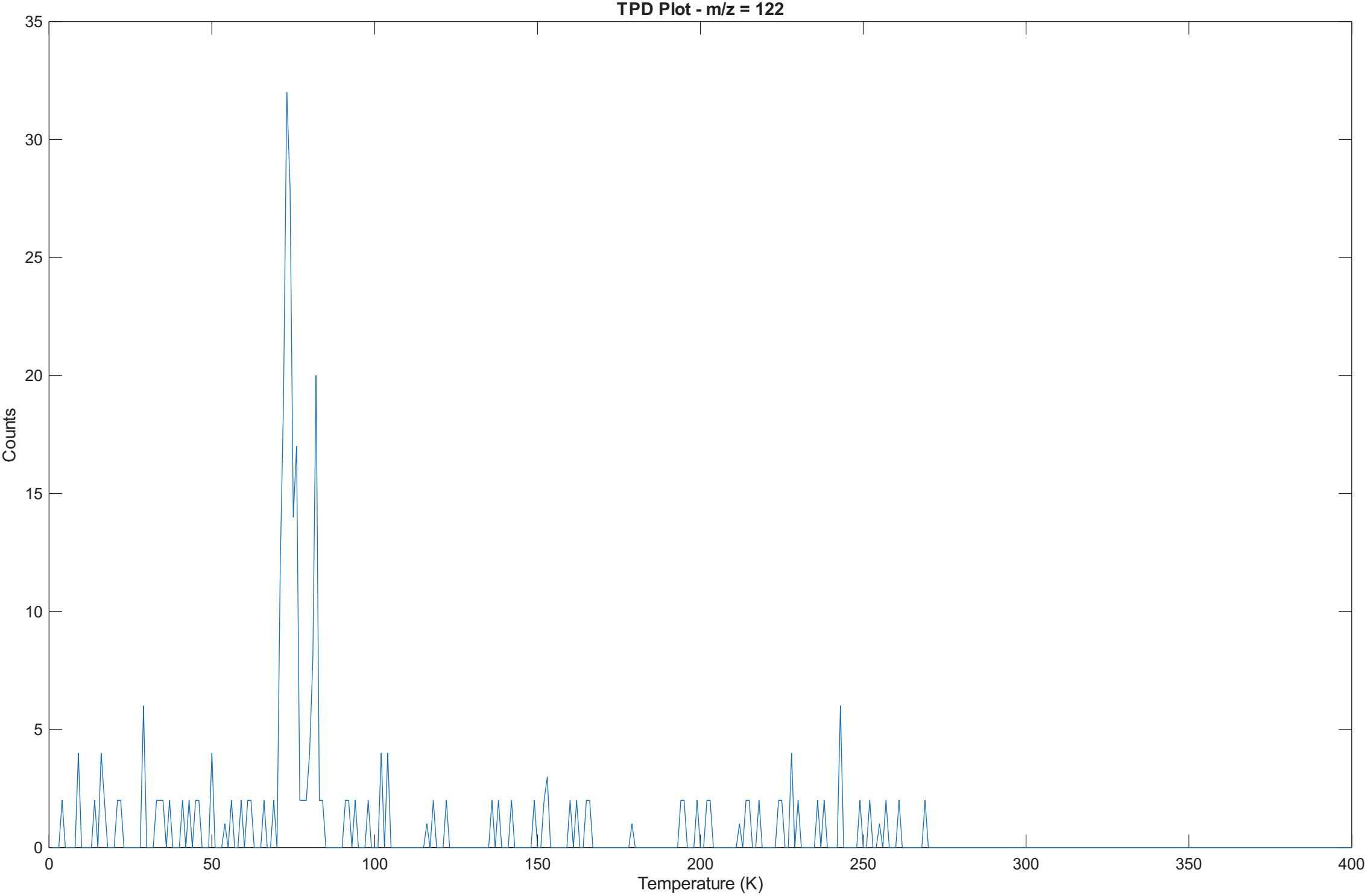

TPD Plot - m/z = 117
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

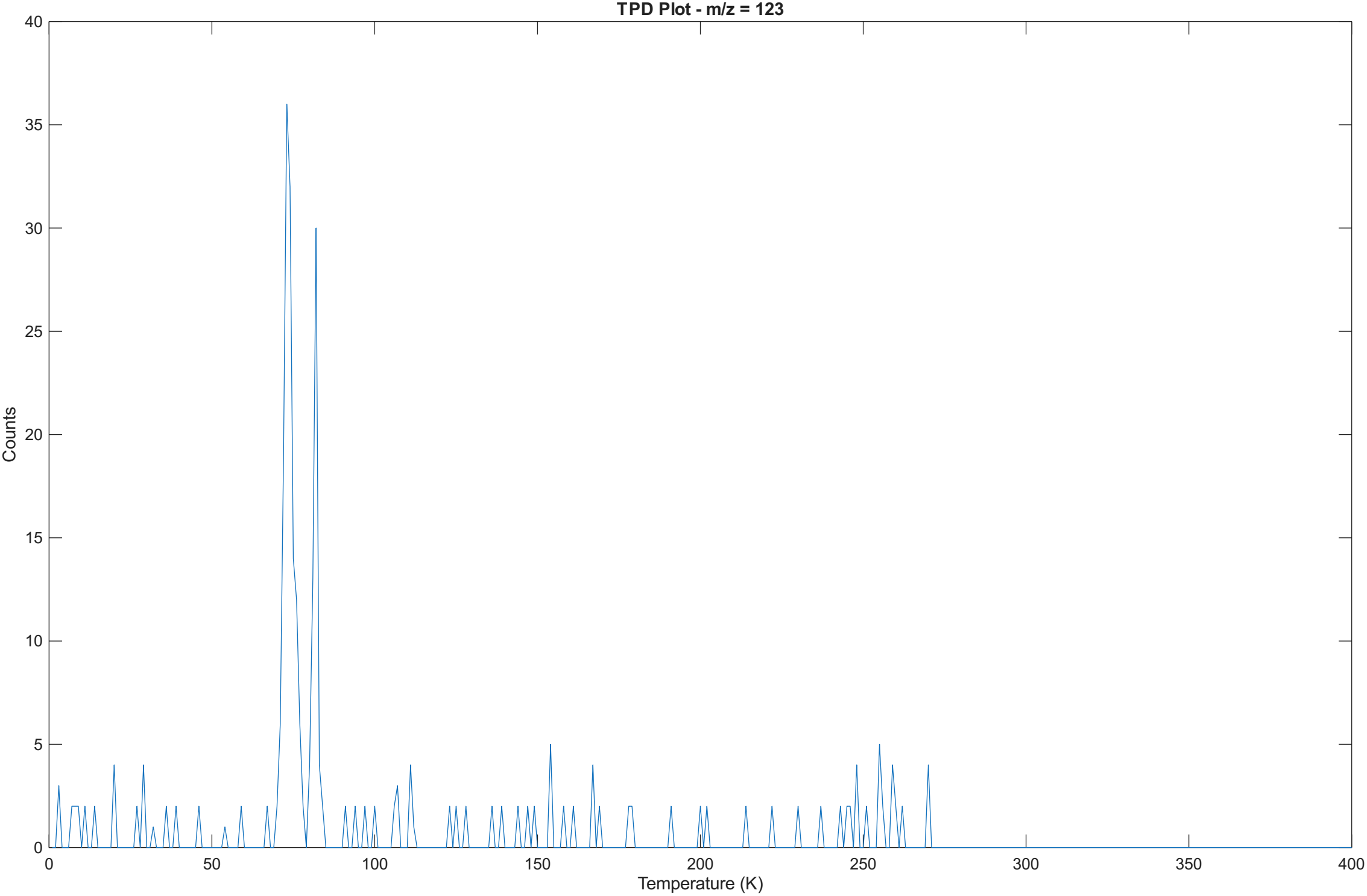

TPD Plot - m/z = 118
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

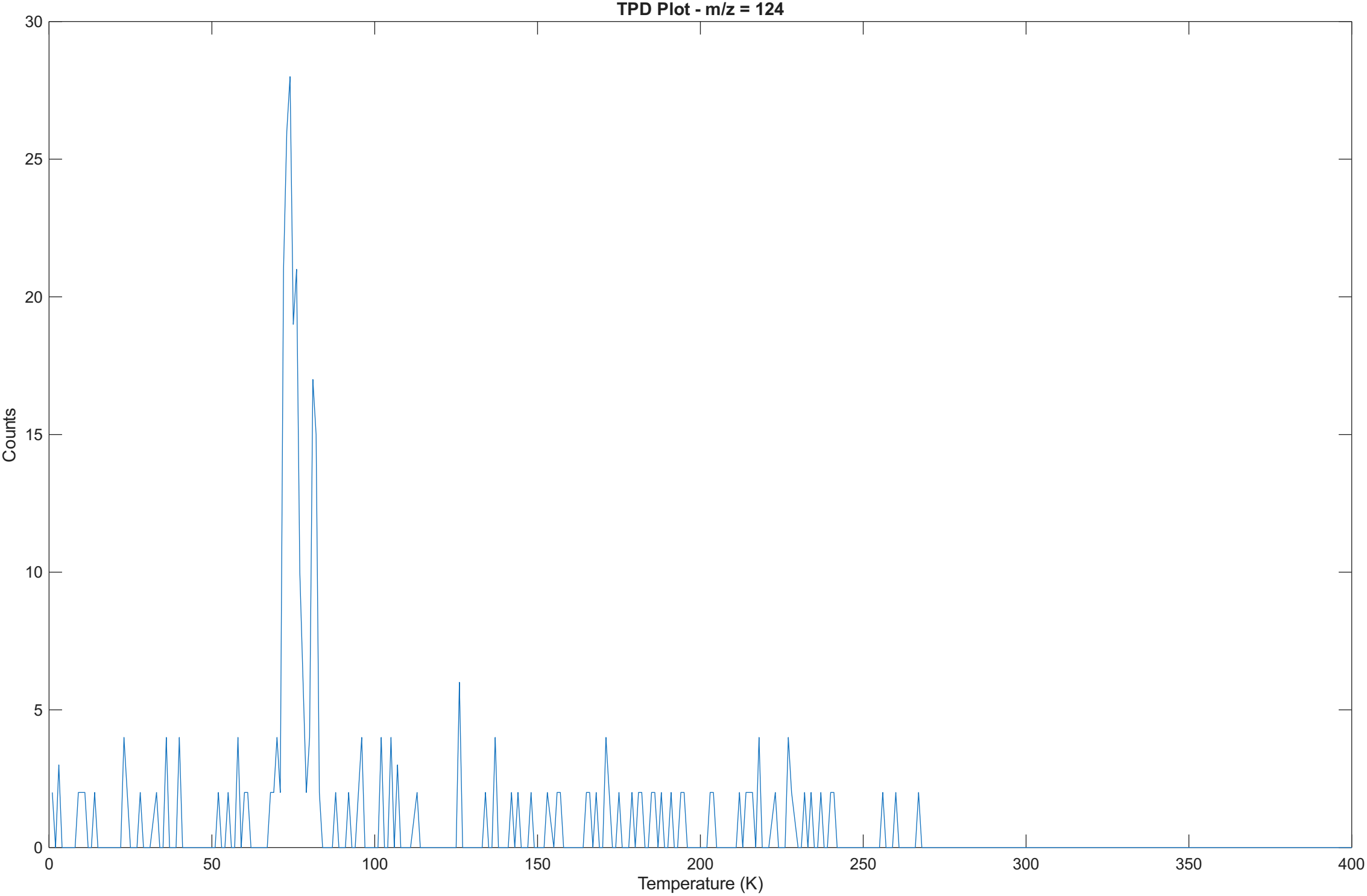

TPD Plot - m/z = 119
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

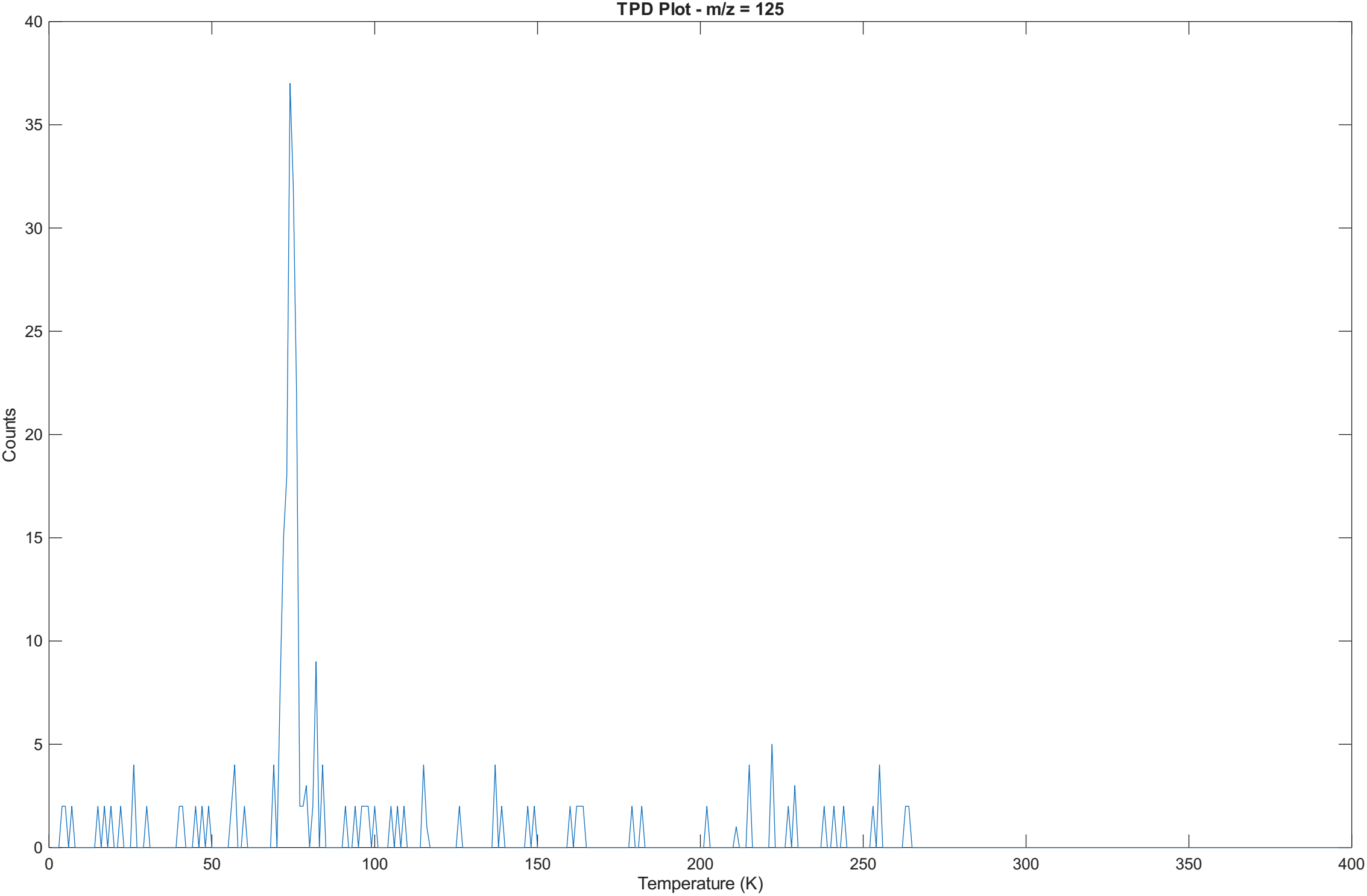

TPD Plot - m/z = 120
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

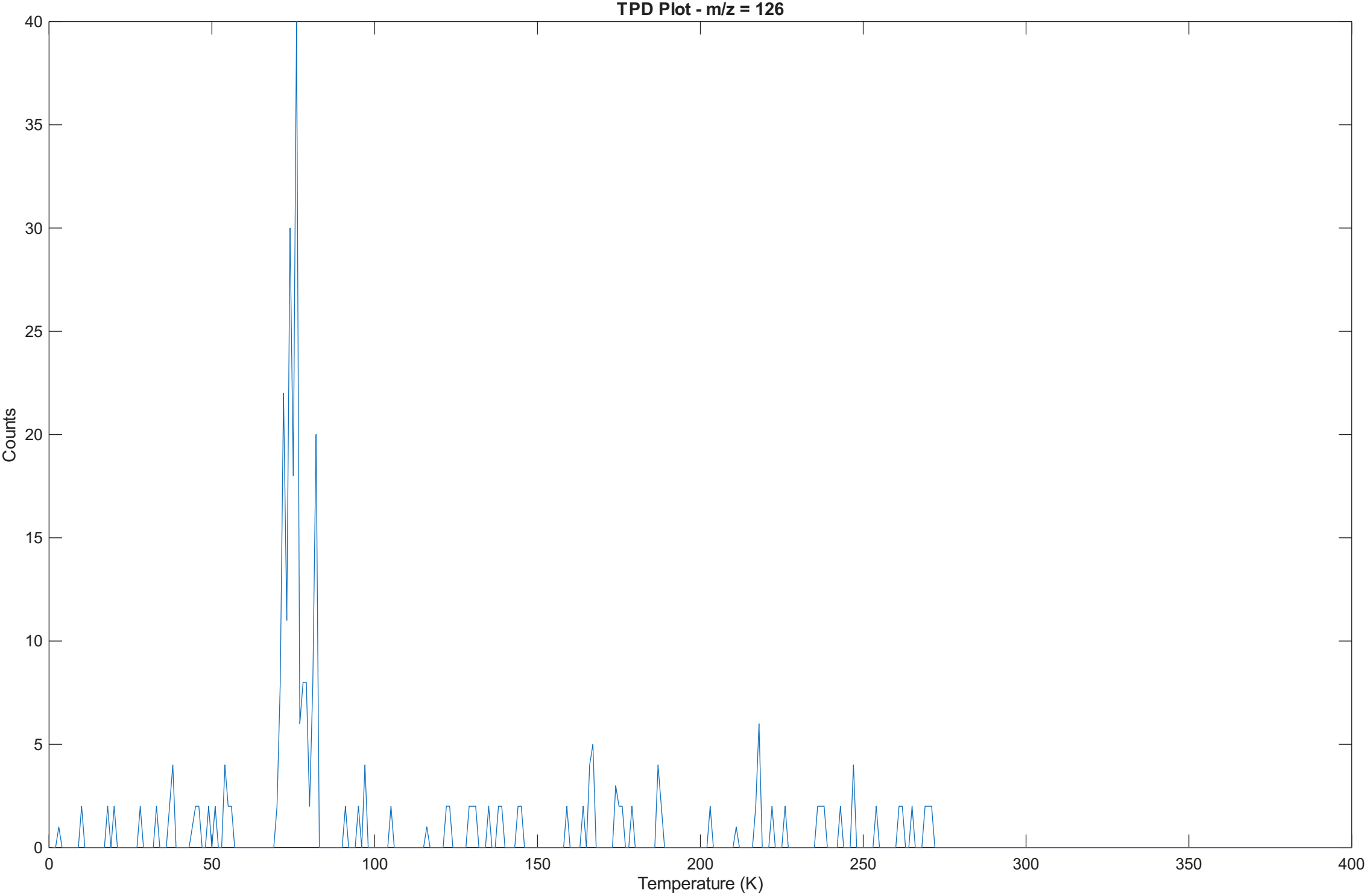

TPD Plot - m/z = 121
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

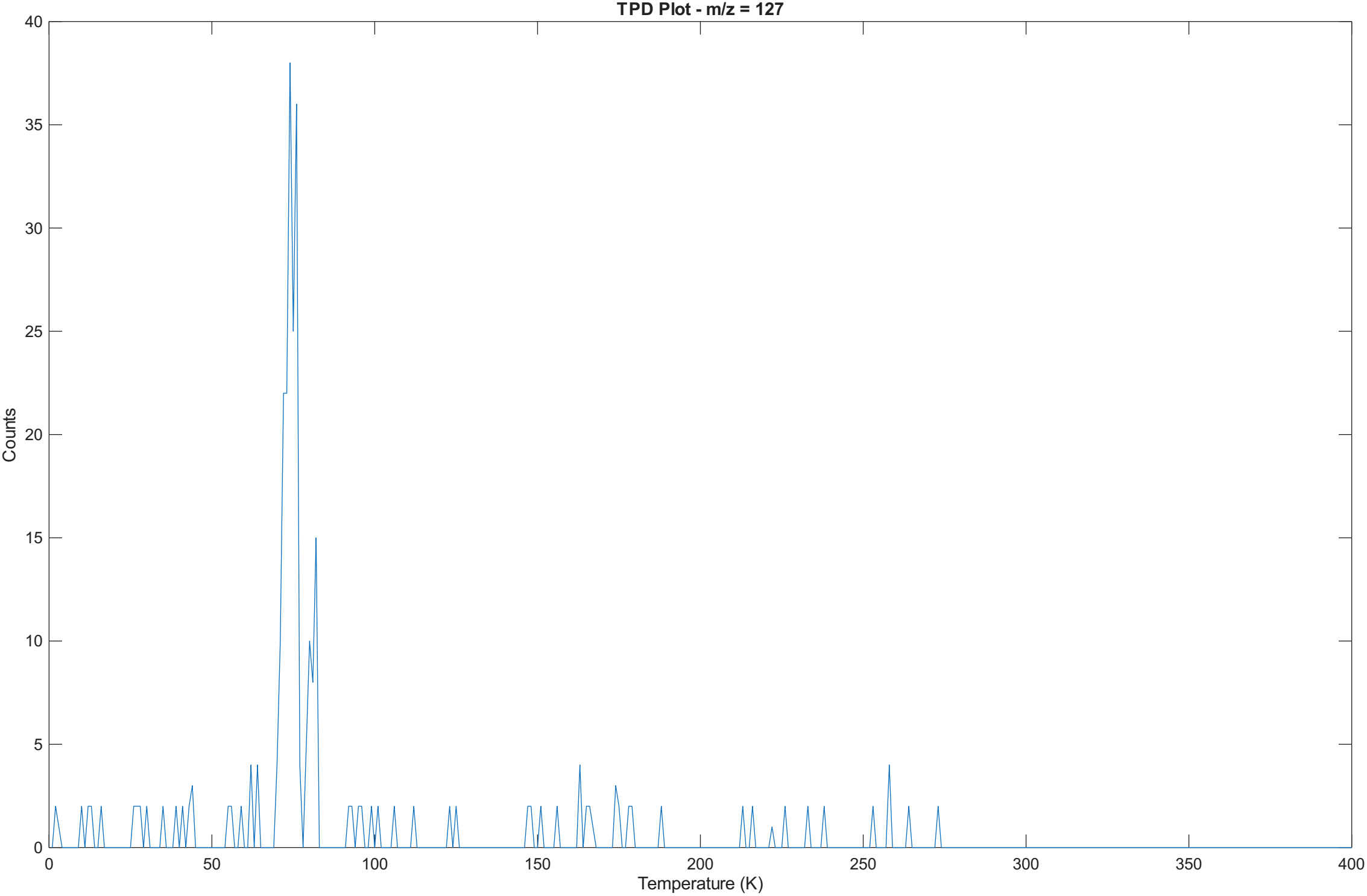

TPD Plot - m/z = 122
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

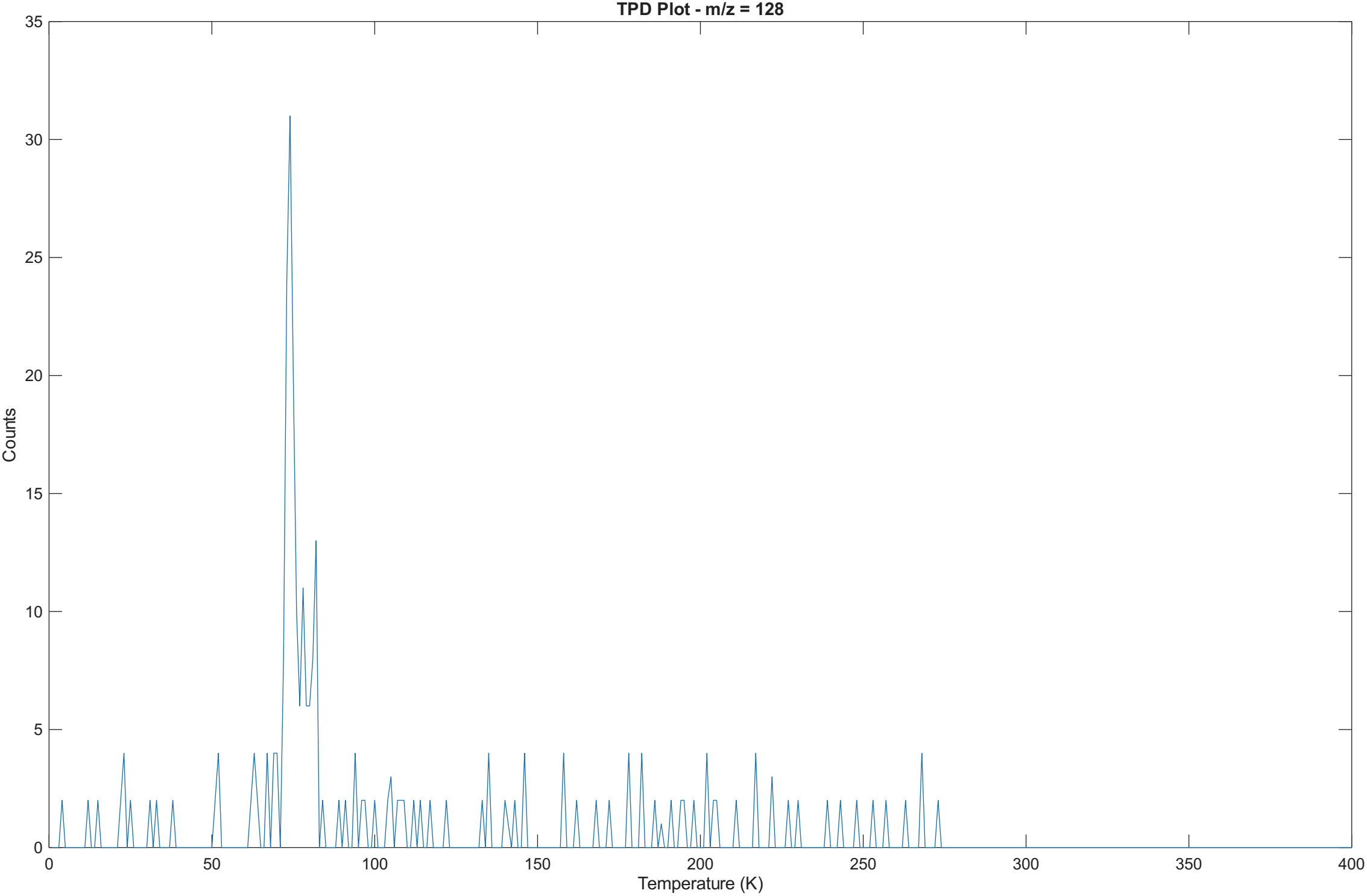

TPD Plot - m/z = 123
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

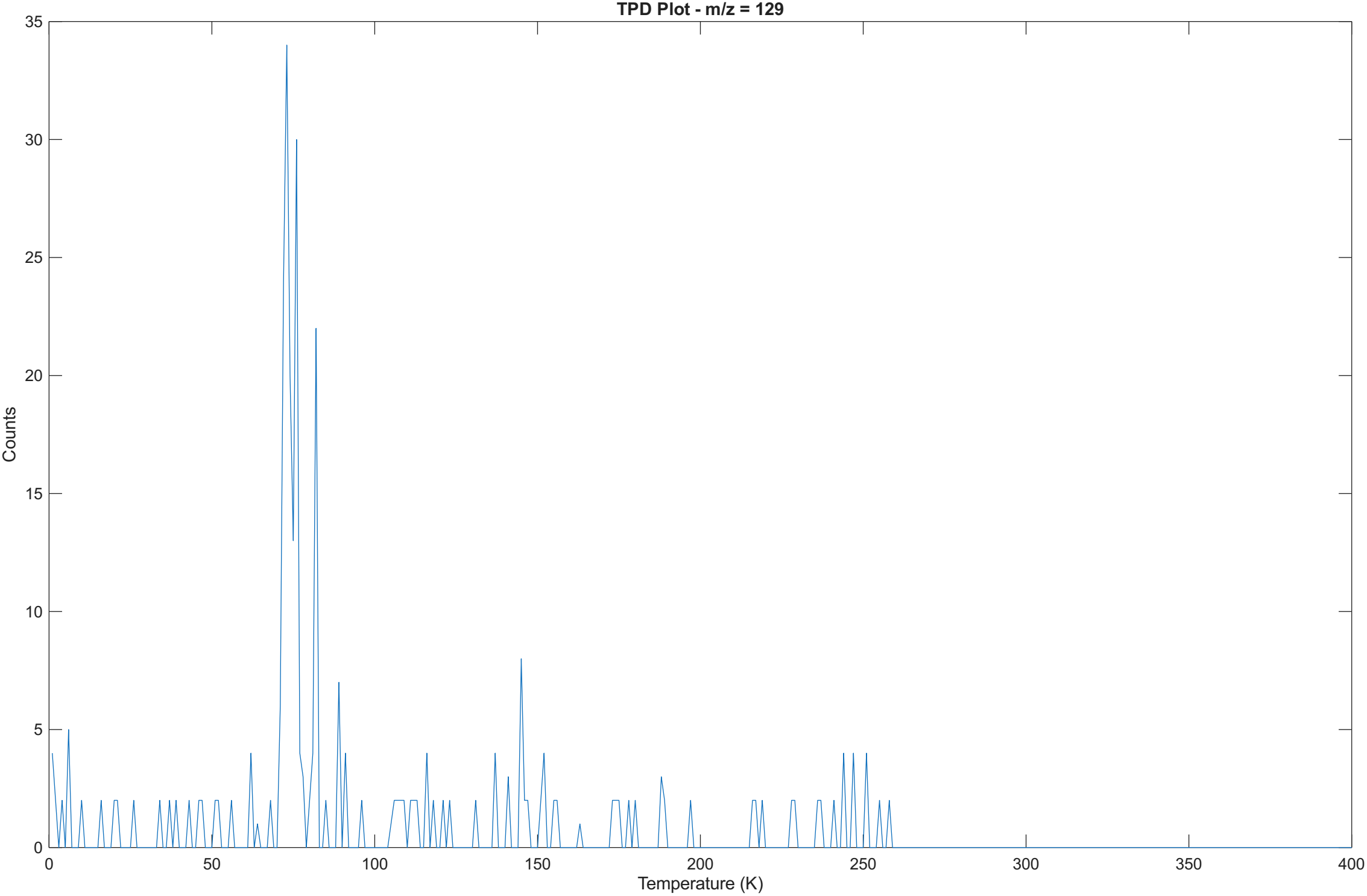

TPD Plot - m/z = 124
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

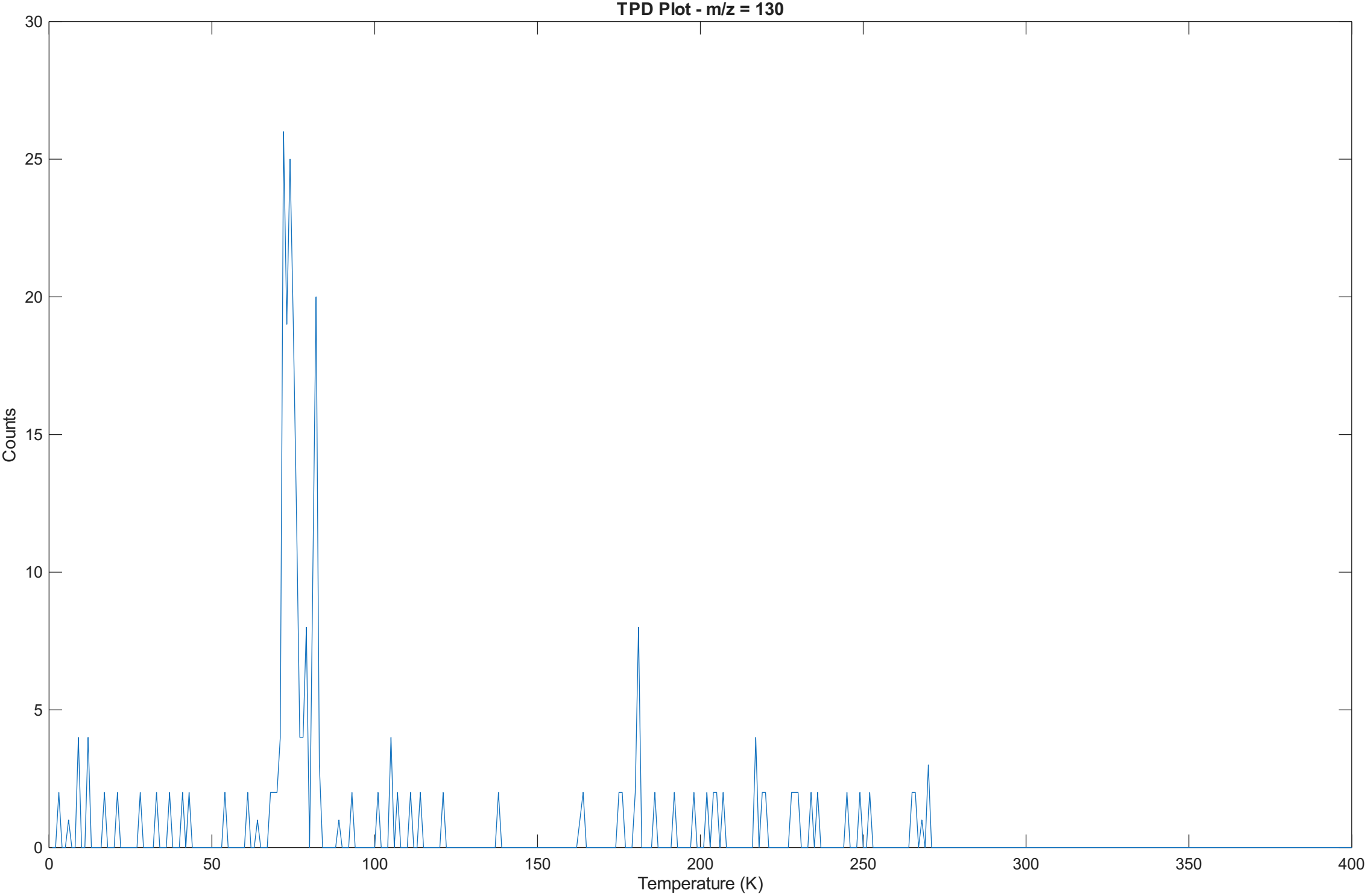

TPD Plot - m/z = 125
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

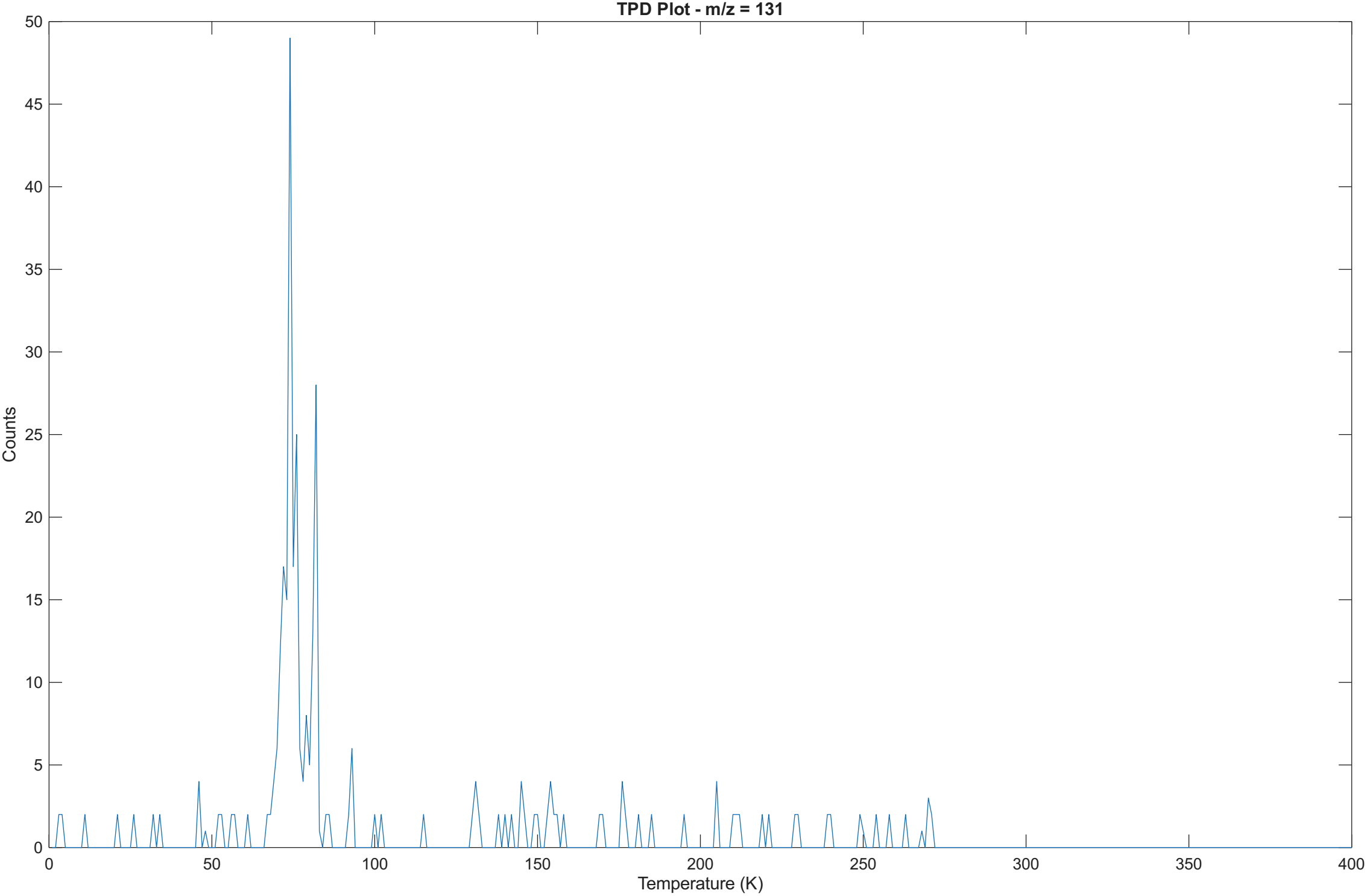

TPD Plot - m/z = 126
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

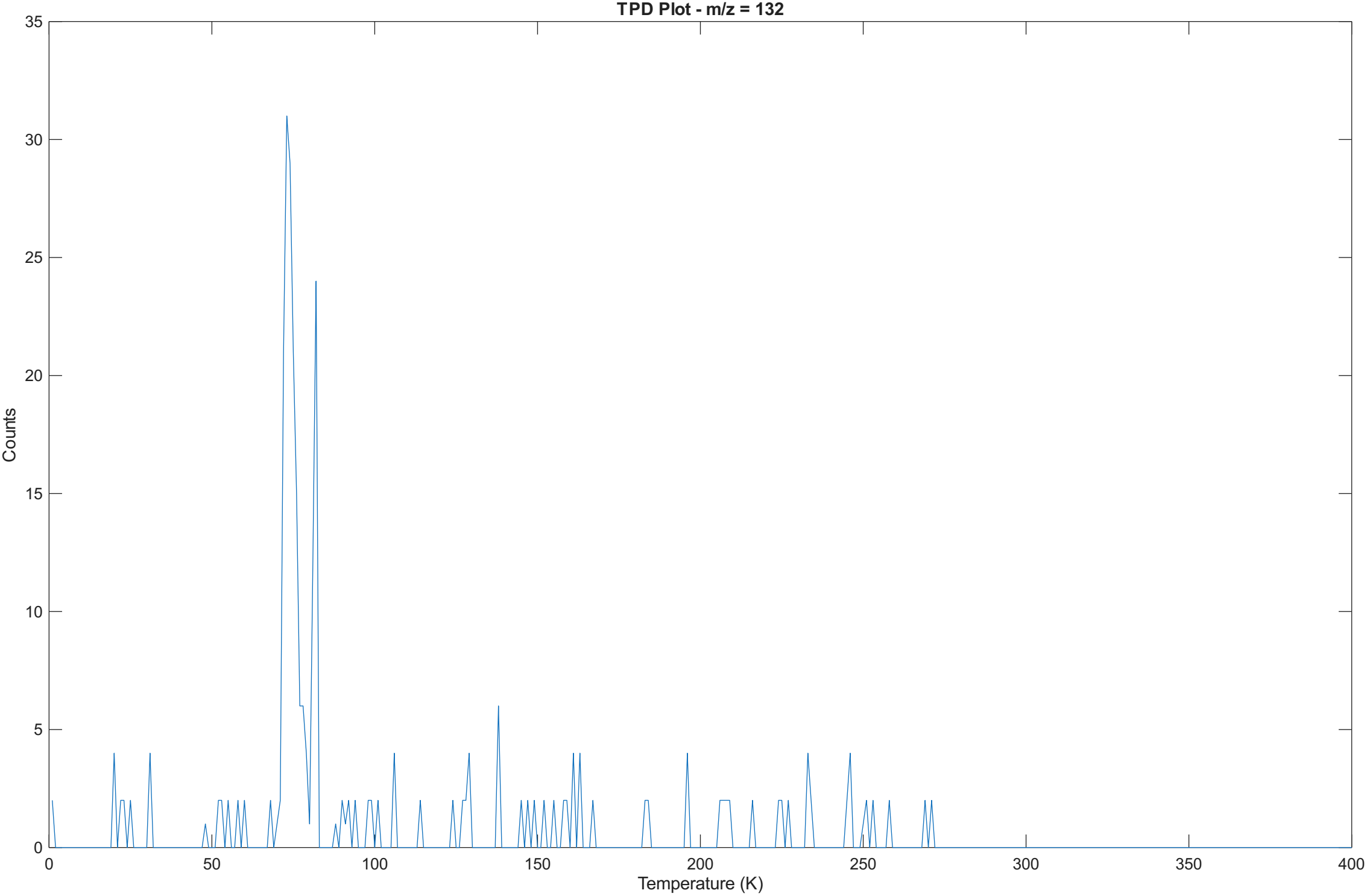

TPD Plot - m/z = 127
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

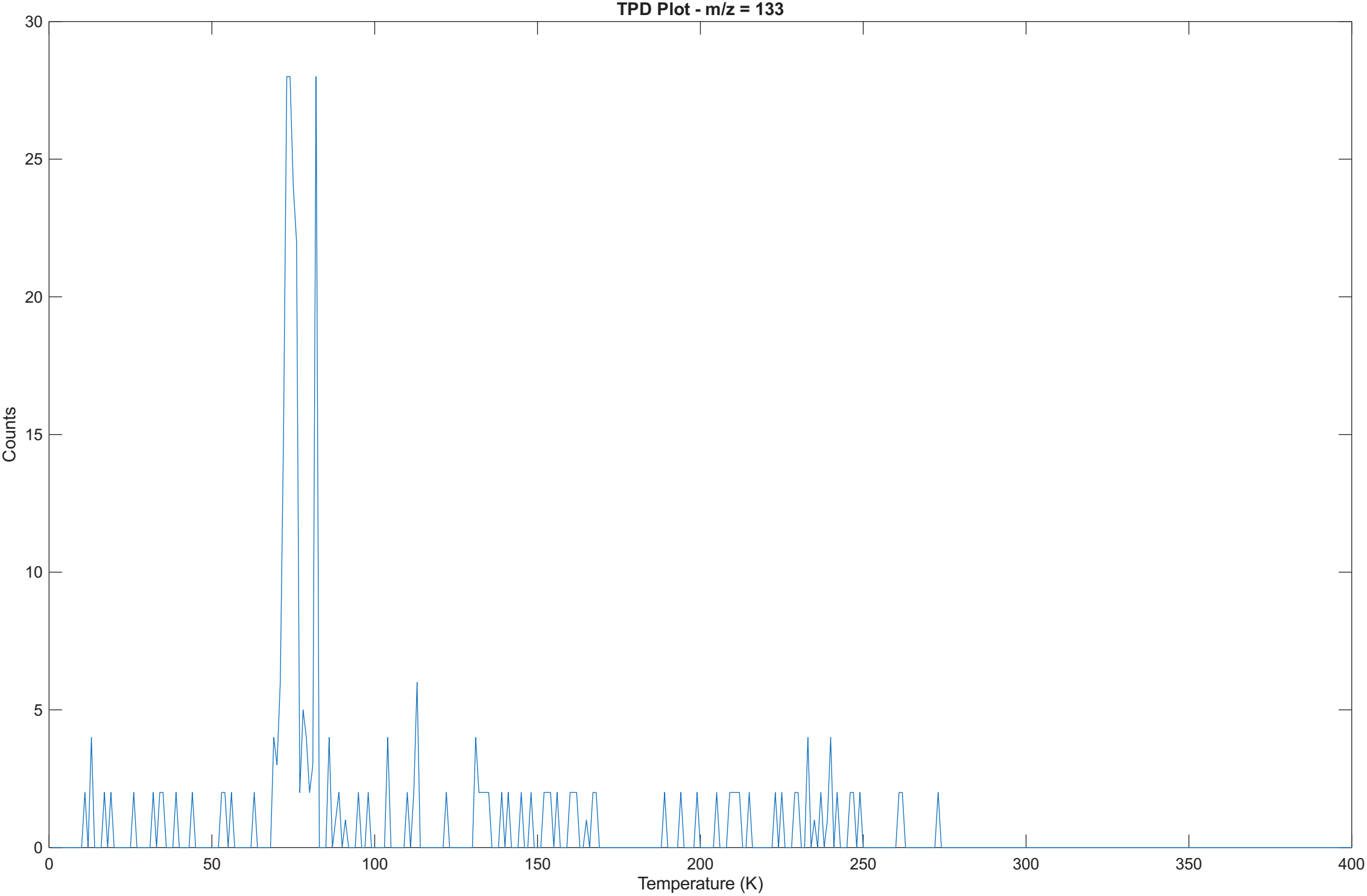

TPD Plot - m/z = 128
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

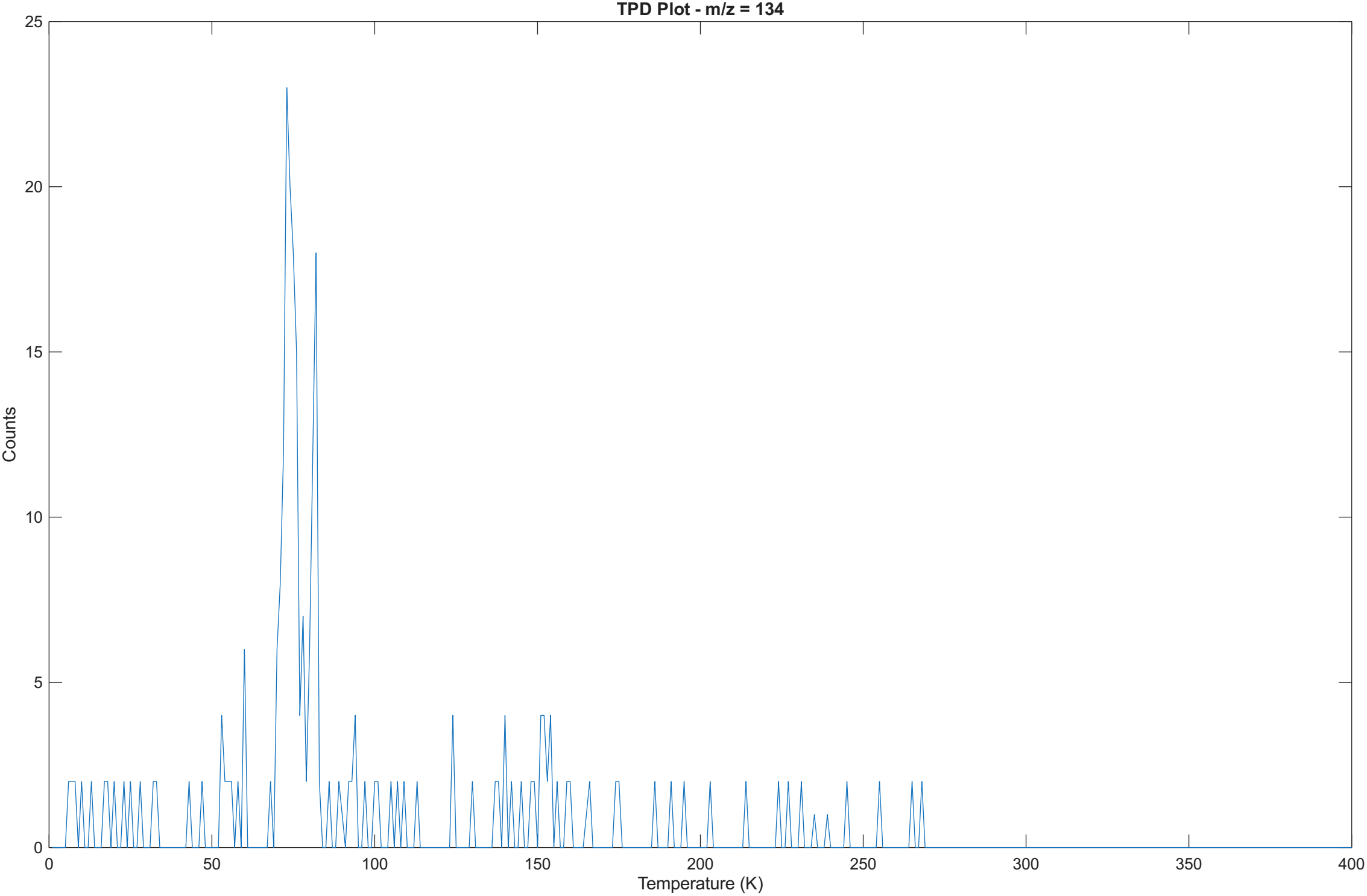

TPD Plot - m/z = 129
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

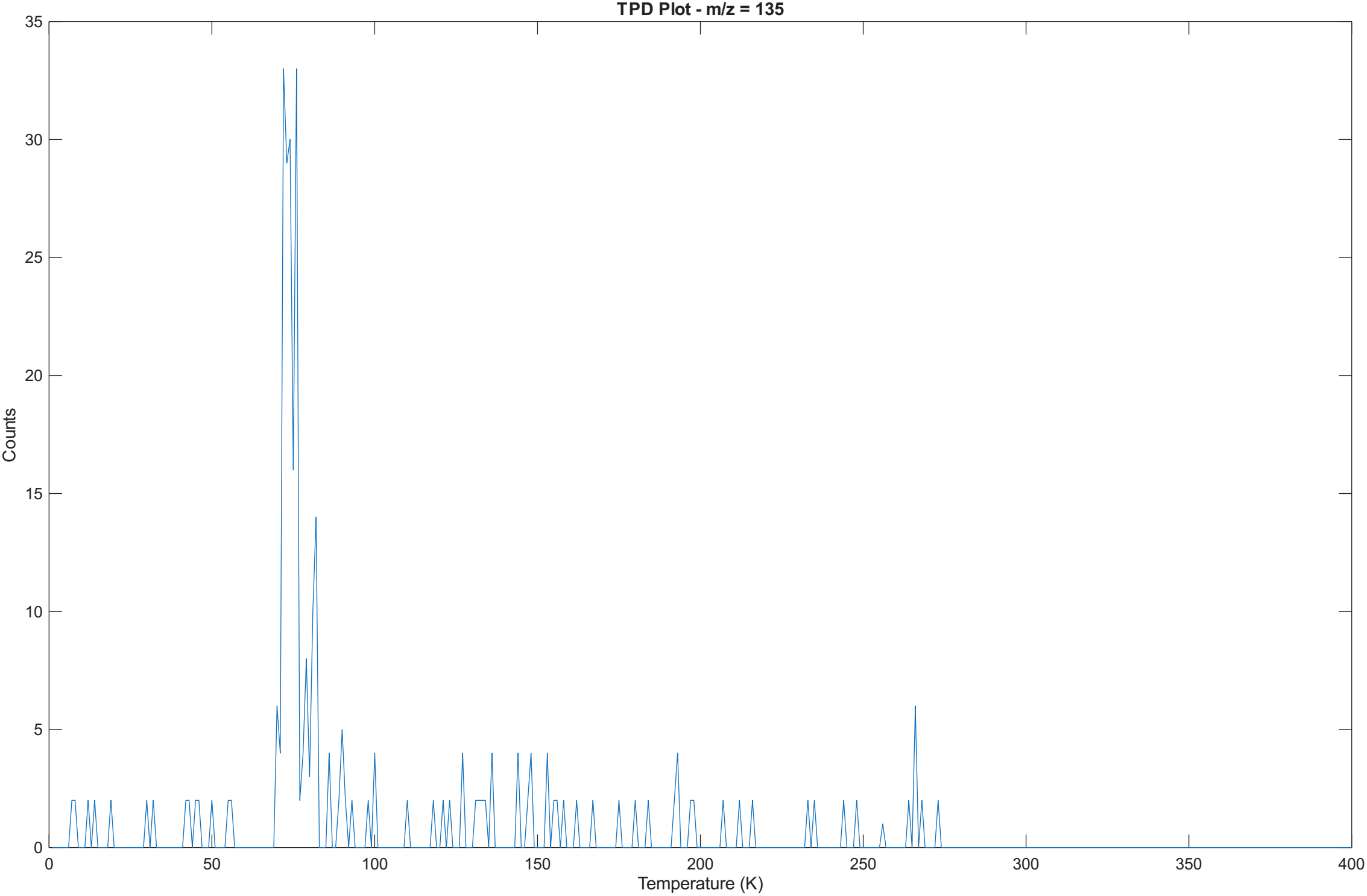

TPD Plot - m/z = 130
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

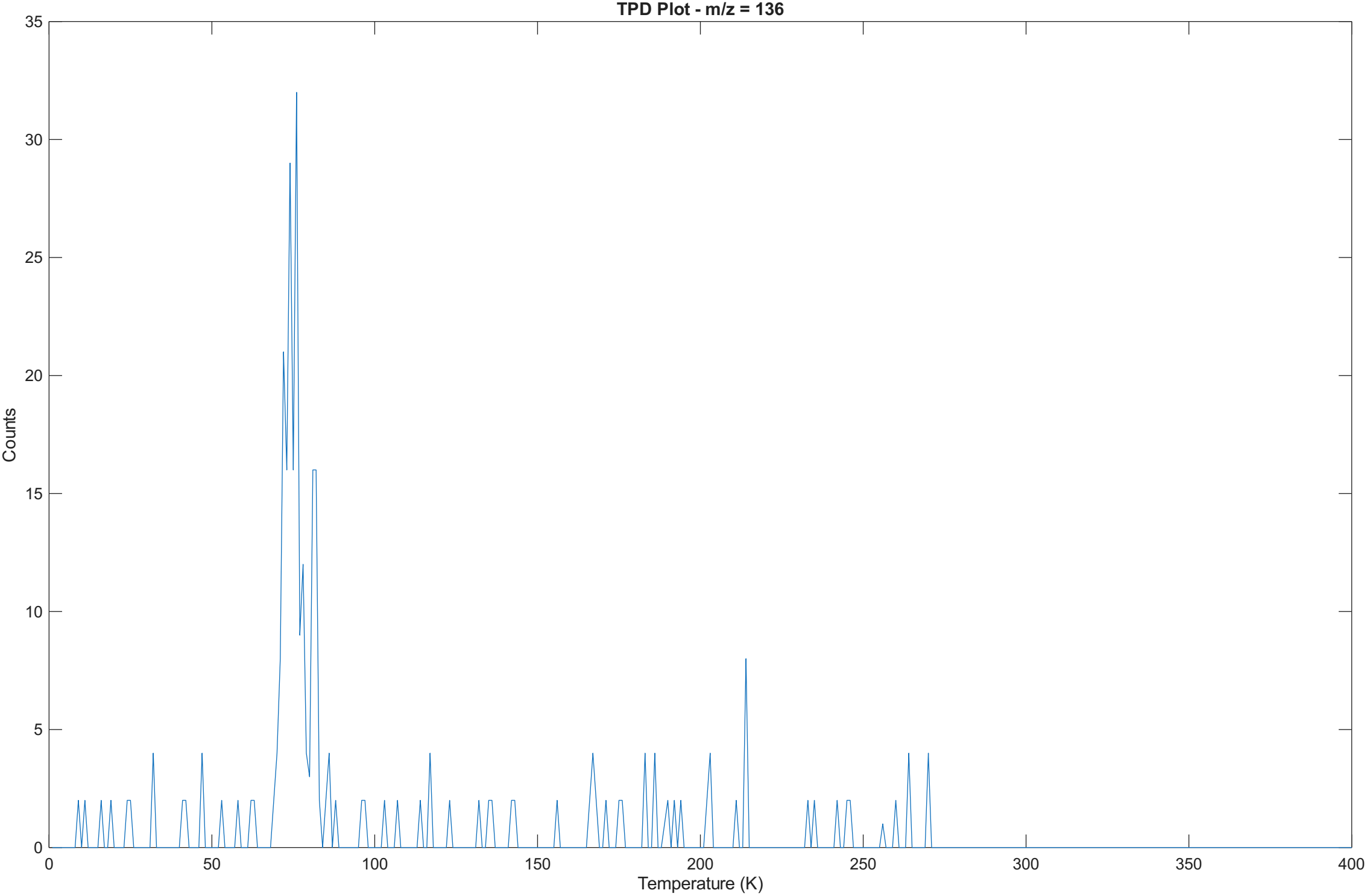

TPD Plot - m/z = 131
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

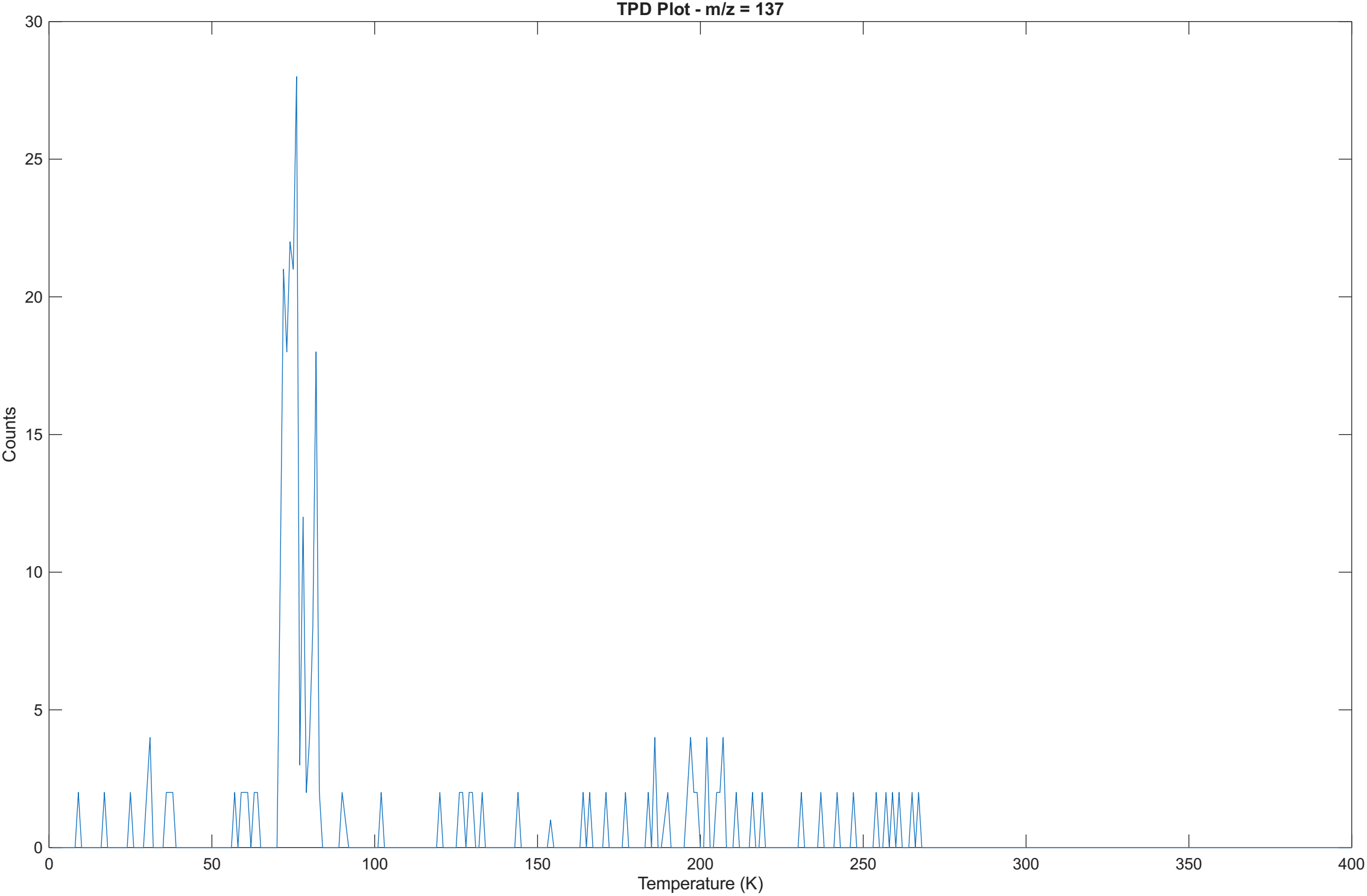

TPD Plot - m/z = 132
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

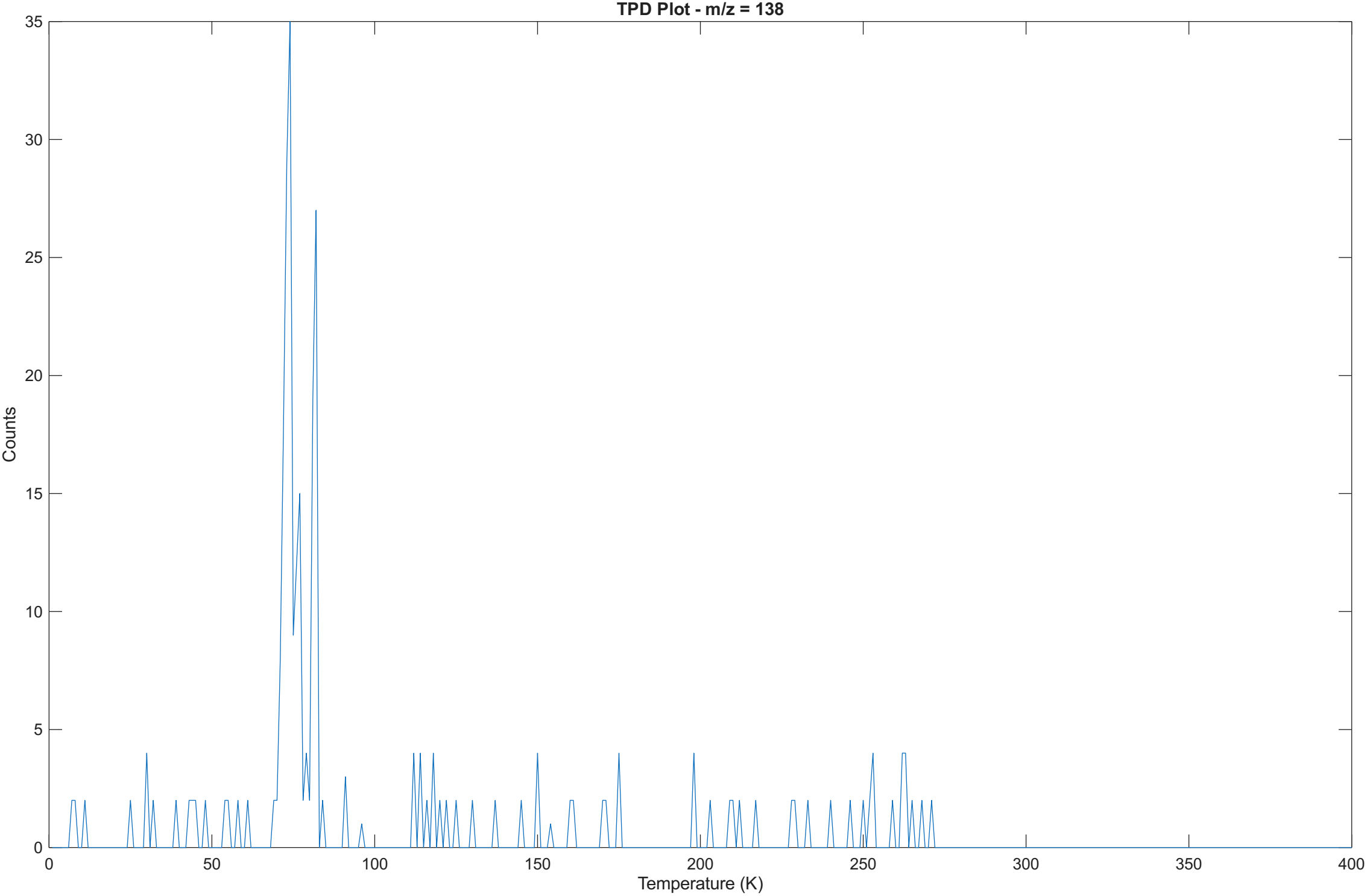

TPD Plot - m/z = 133
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

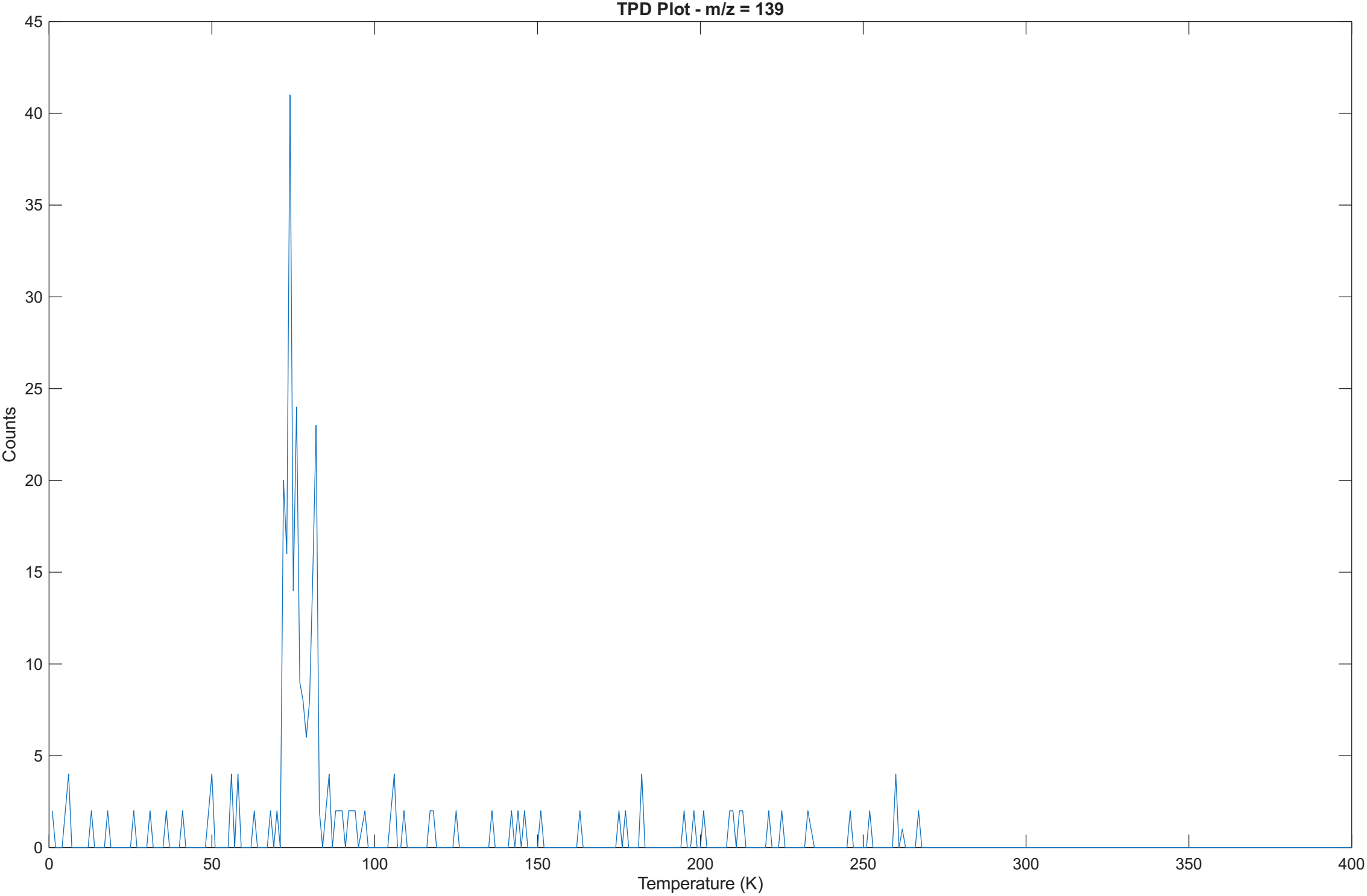

TPD Plot - m/z = 134
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

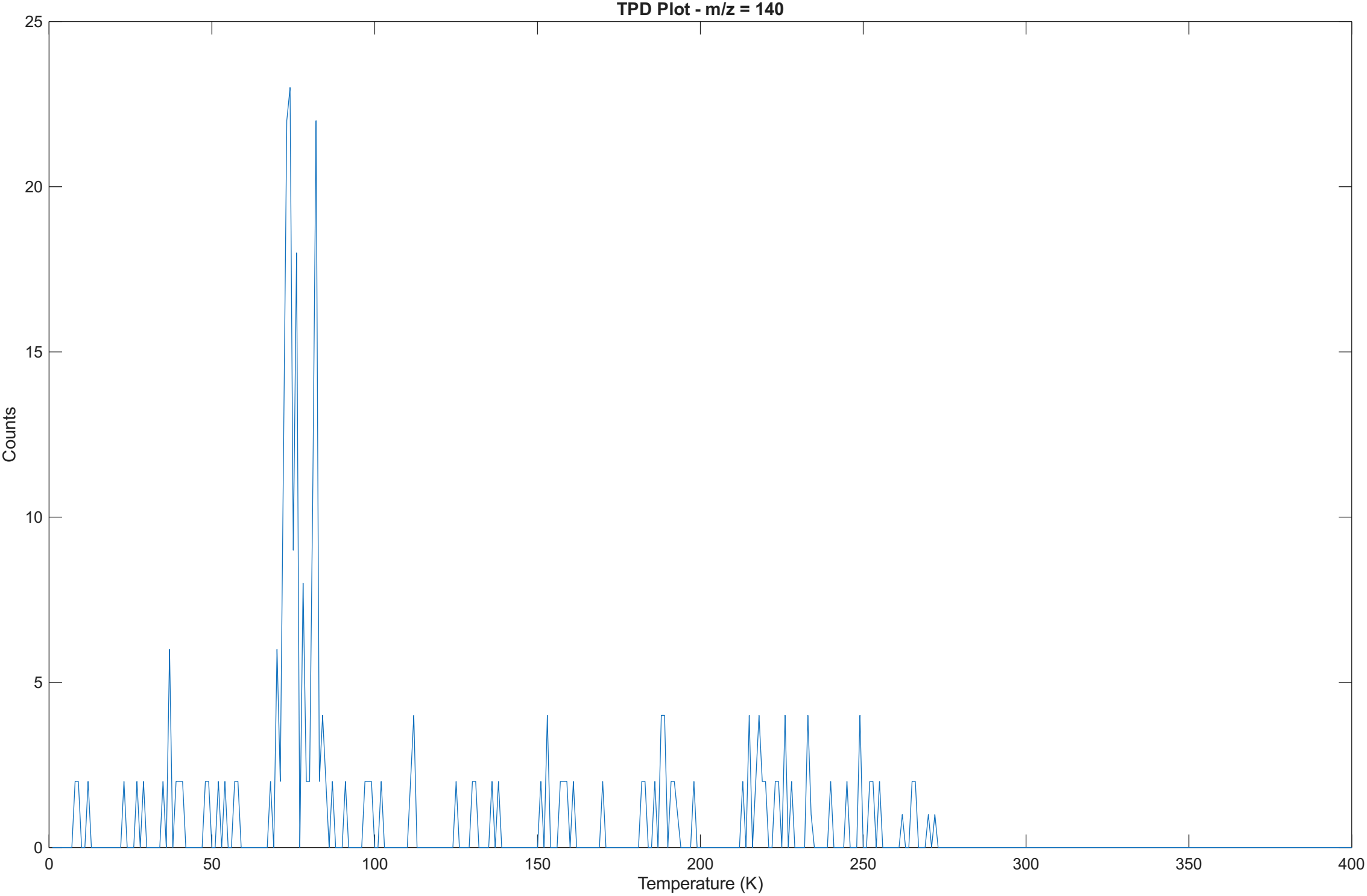

TPD Plot - m/z = 135
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

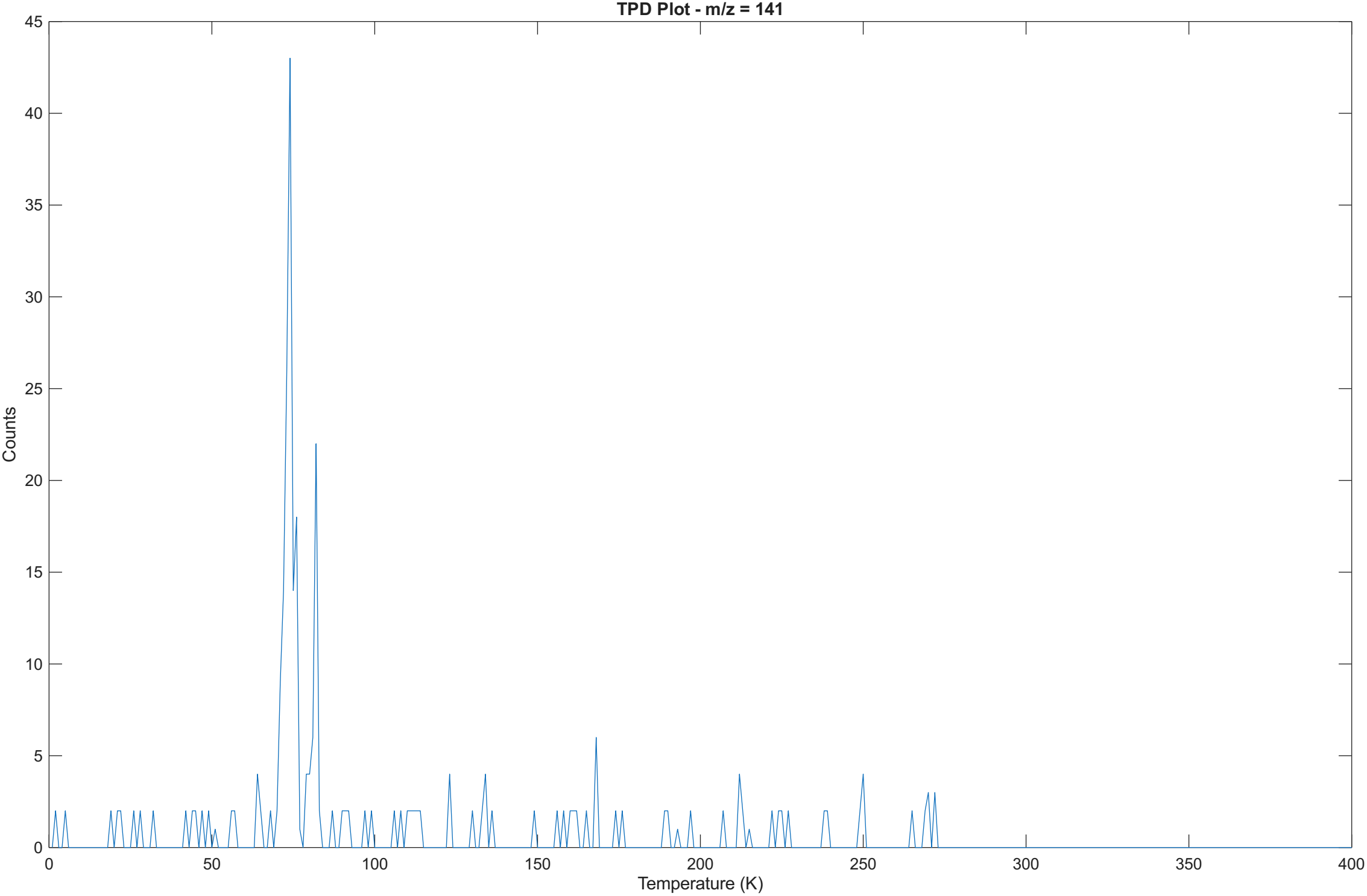

TPD Plot - m/z = 136
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

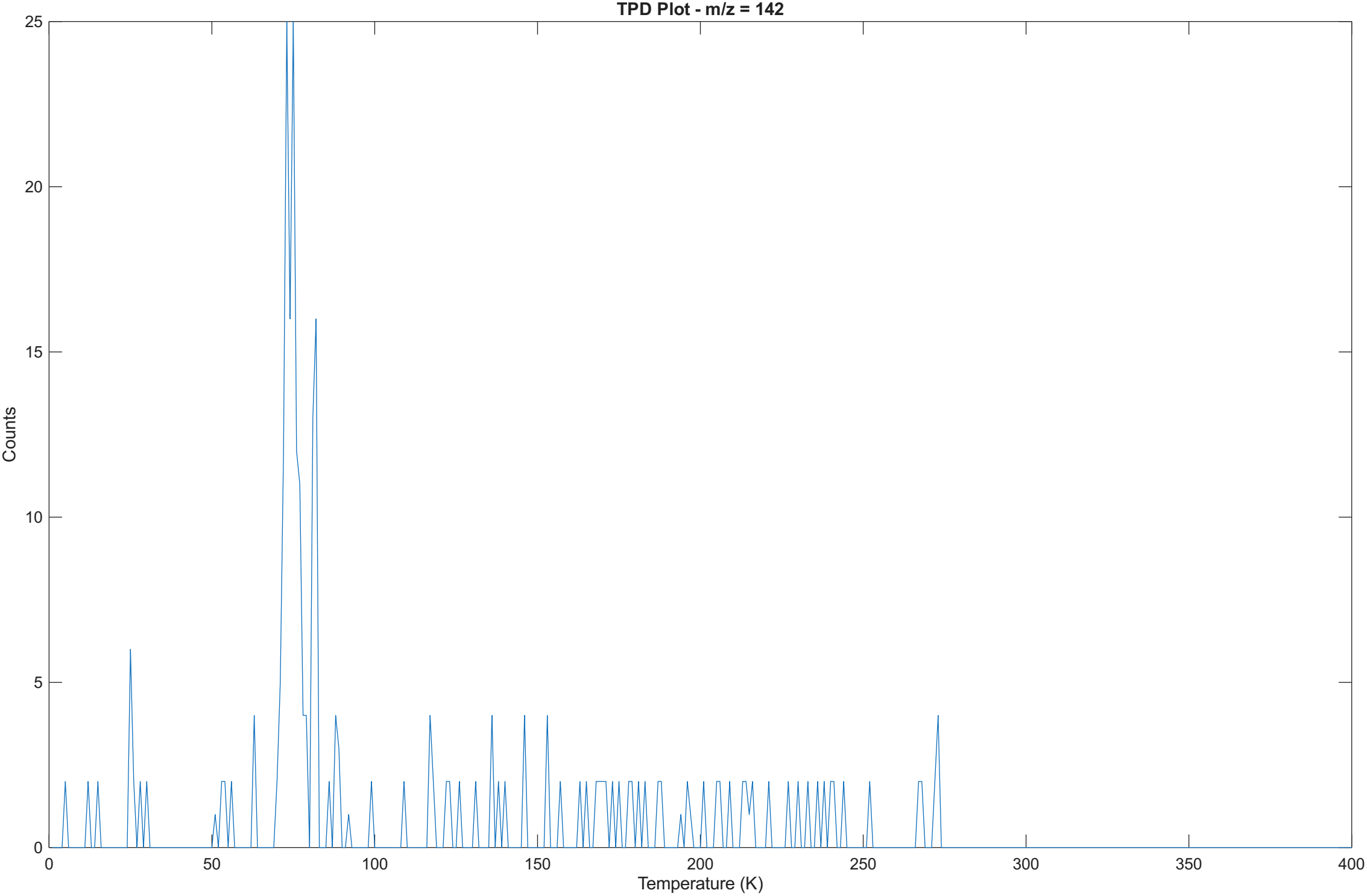

TPD Plot - m/z = 137
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

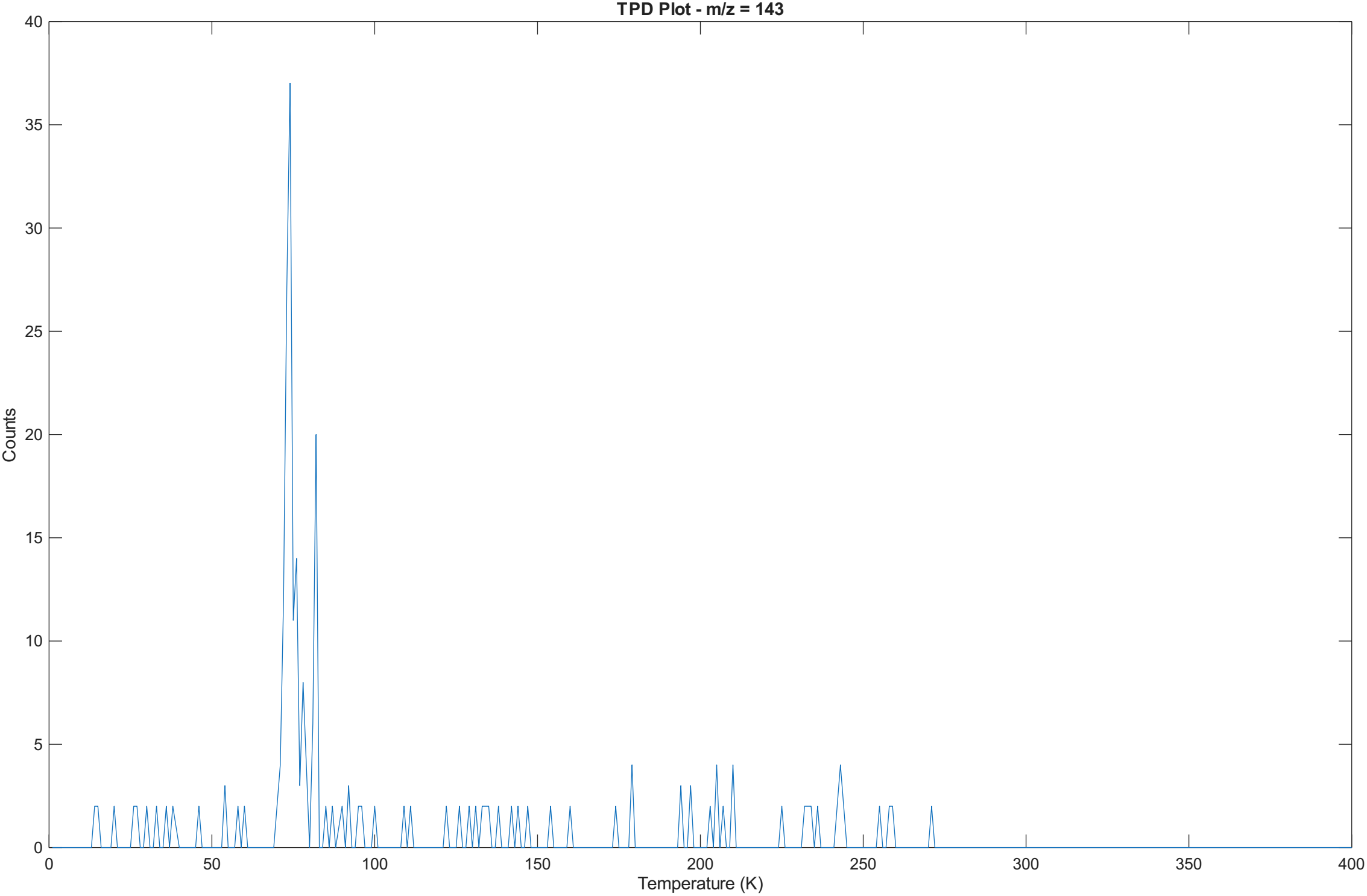

TPD Plot - m/z = 138
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

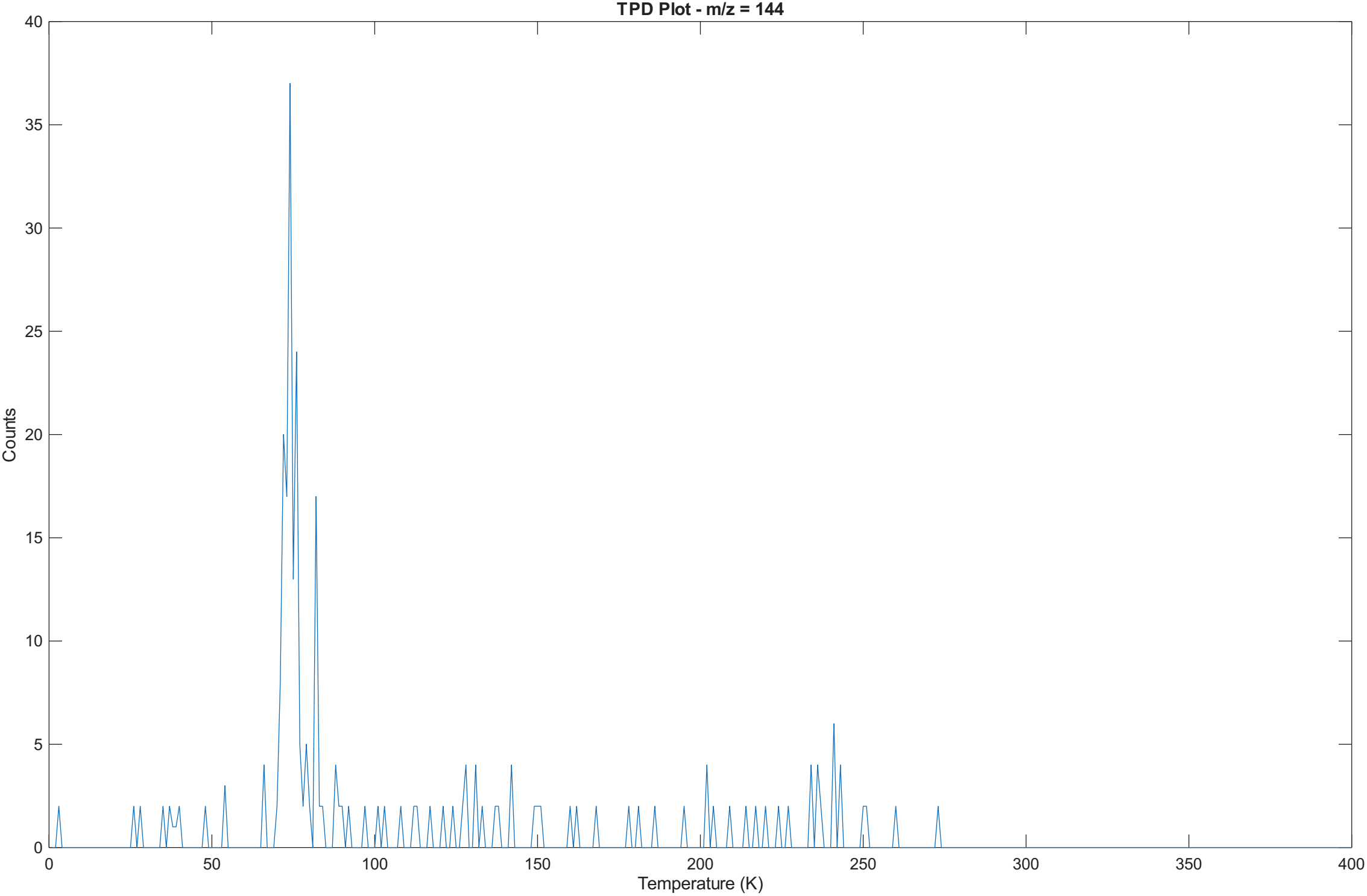

TPD Plot - m/z = 139
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

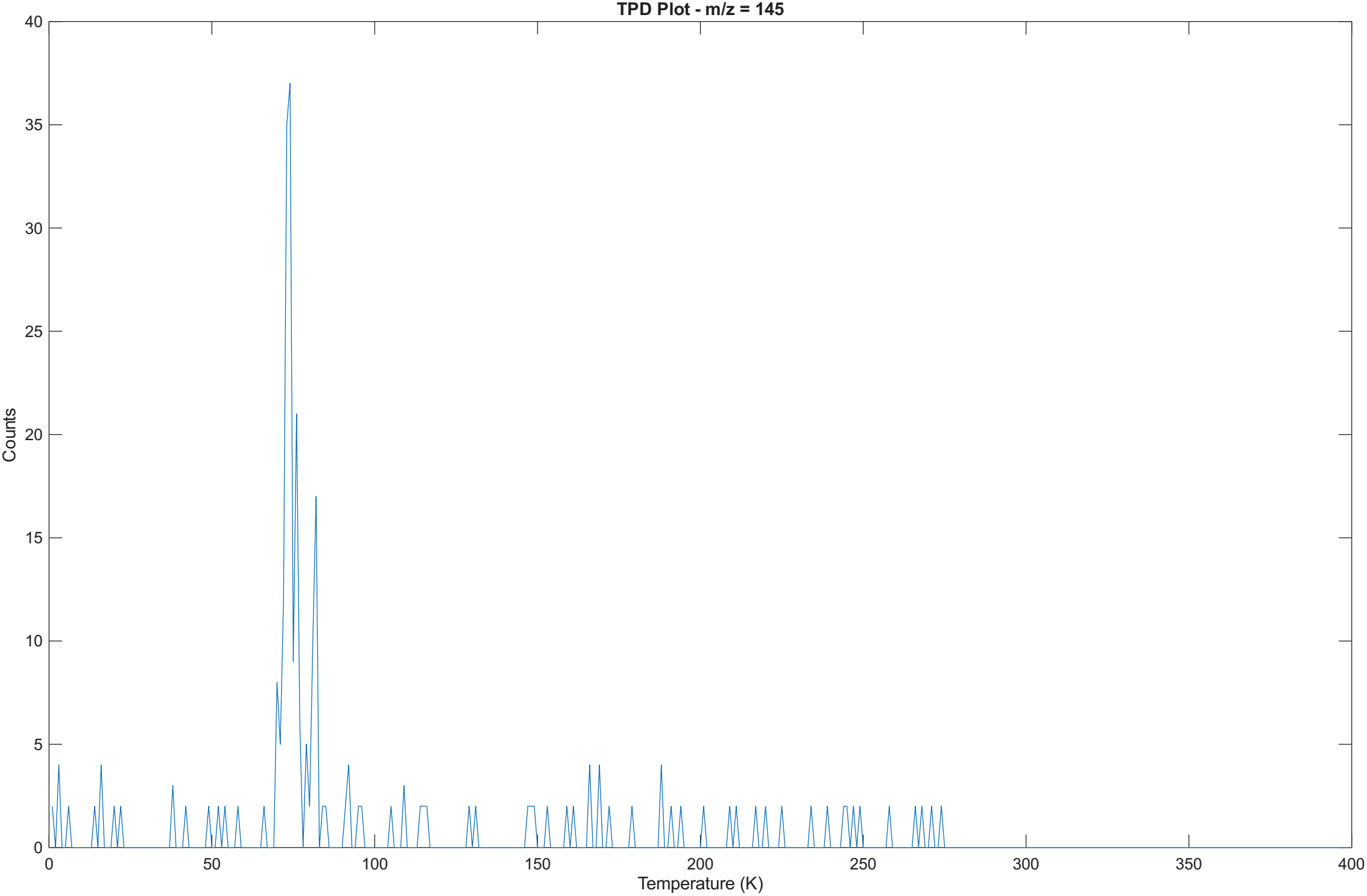

TPD Plot - m/z = 140
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

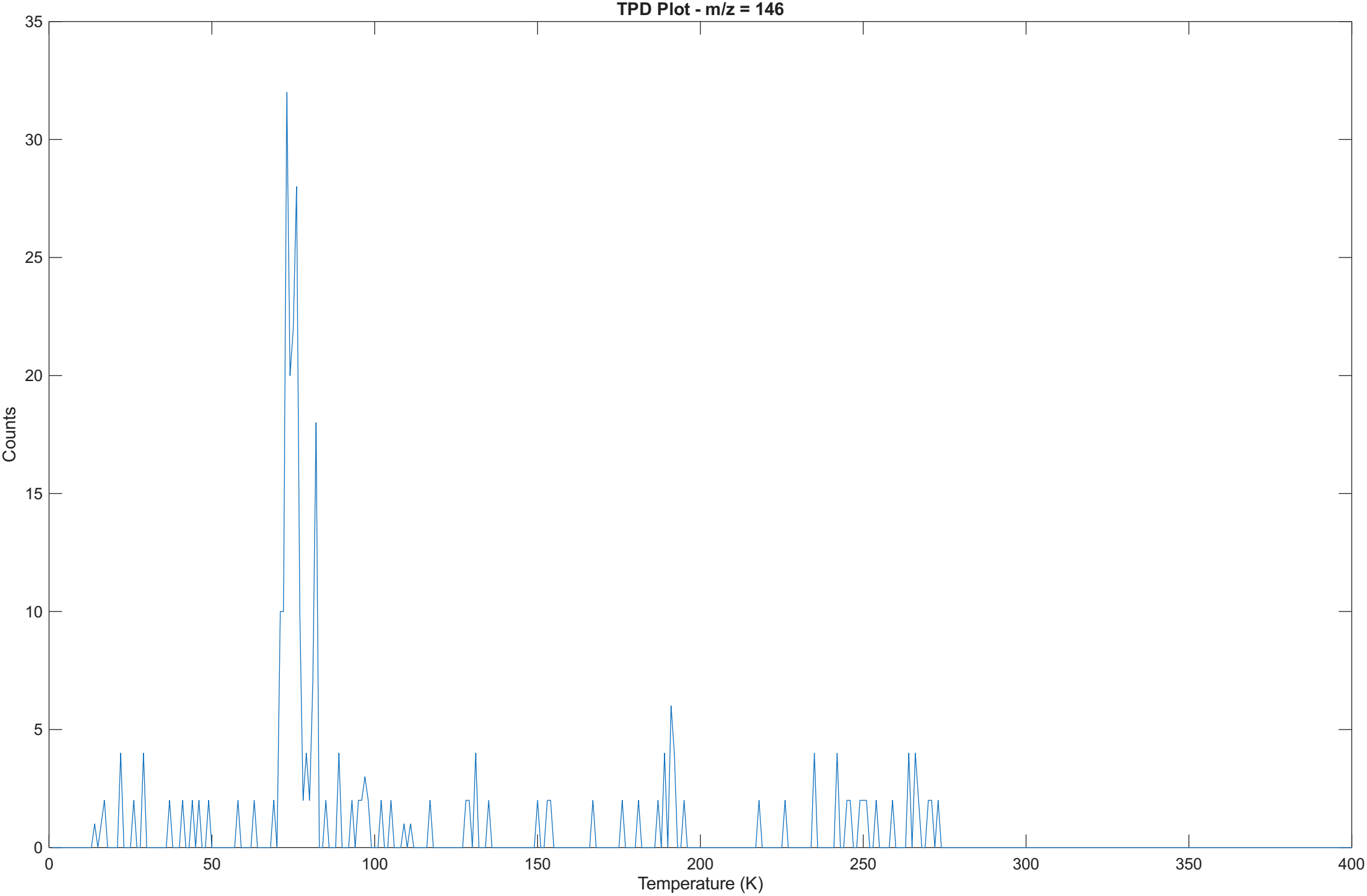

TPD Plot - m/z = 141
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

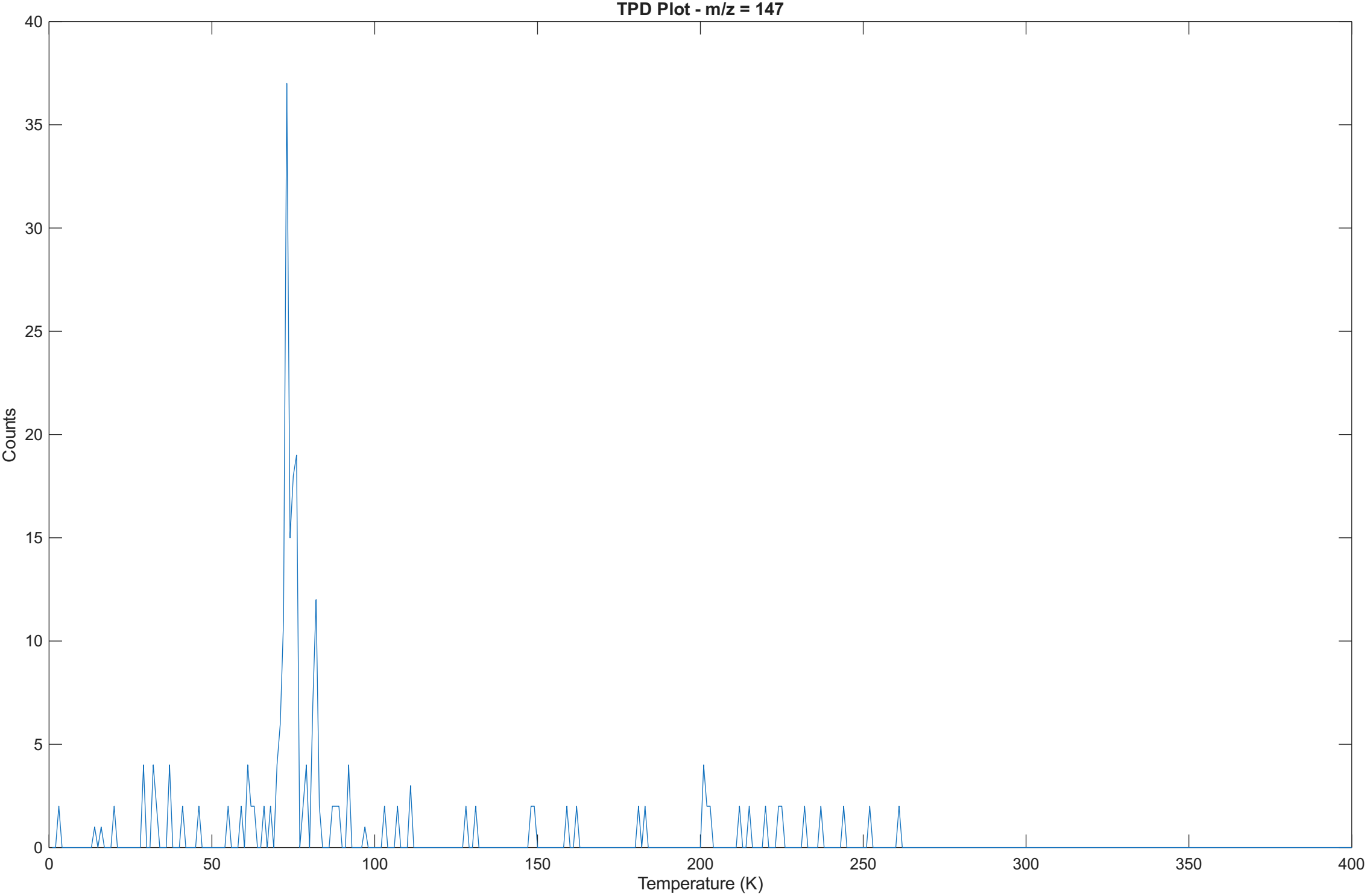

TPD Plot - m/z = 142
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

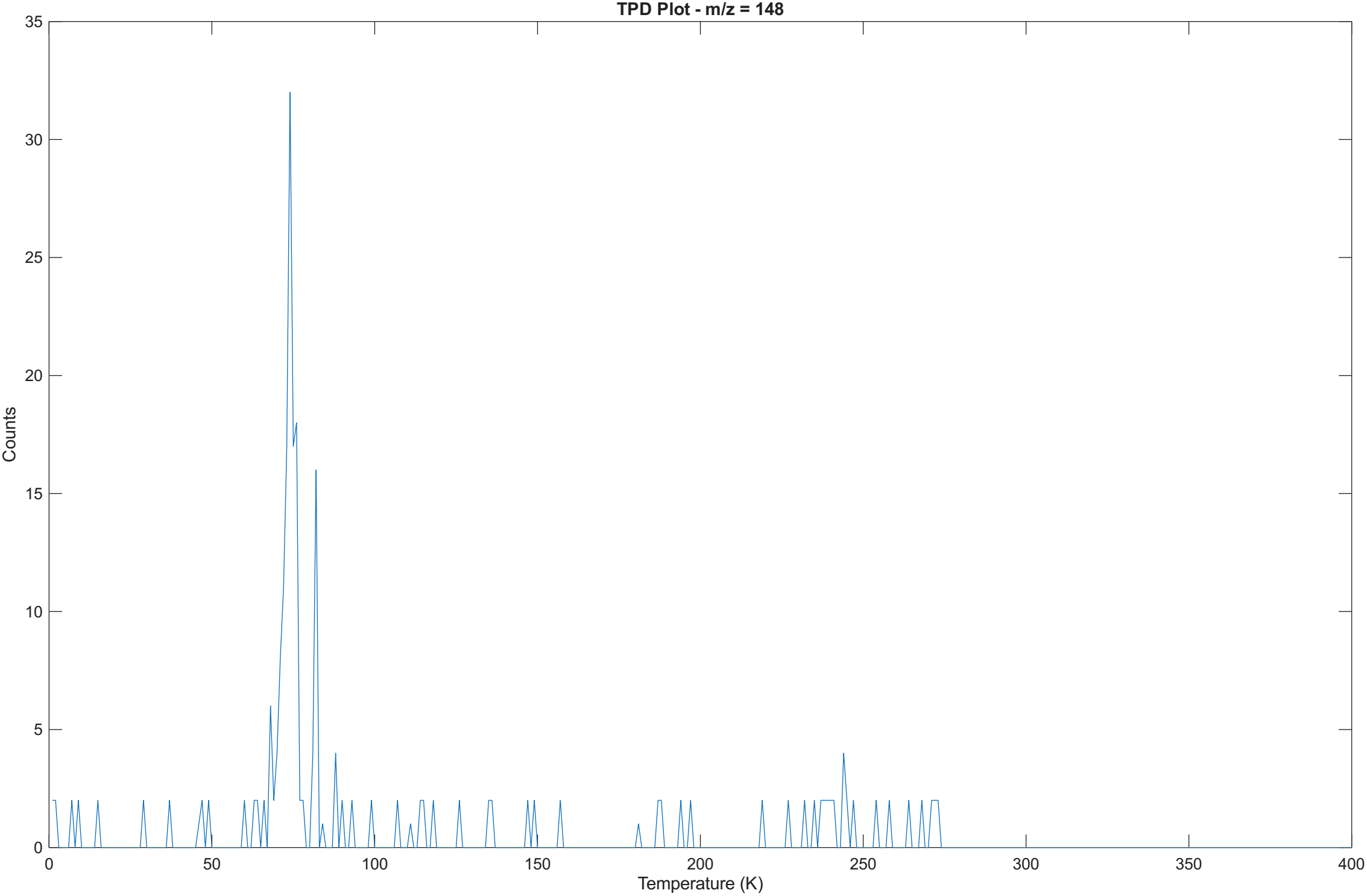

TPD Plot - m/z = 143
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

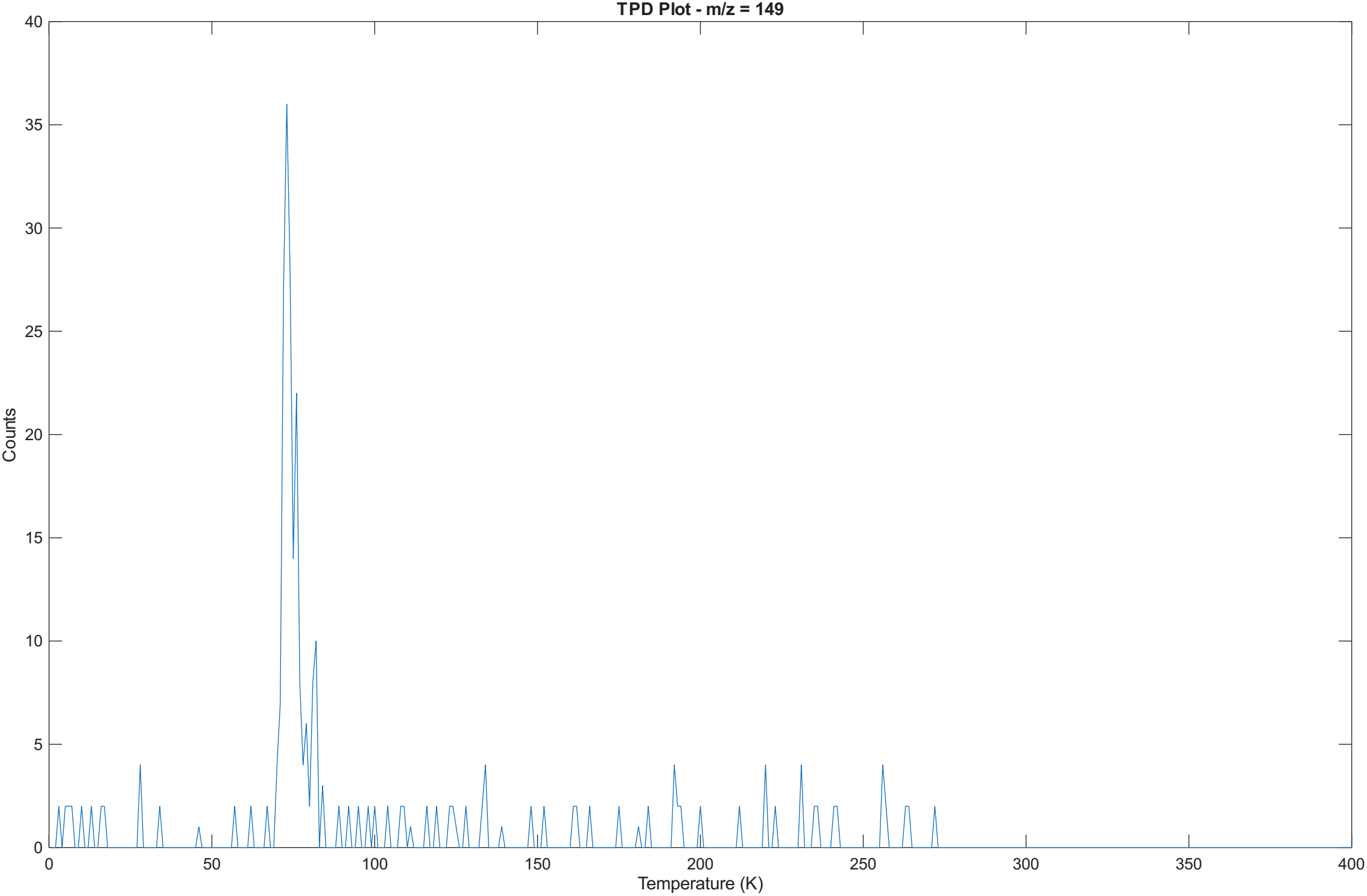

TPD Plot - m/z = 144
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

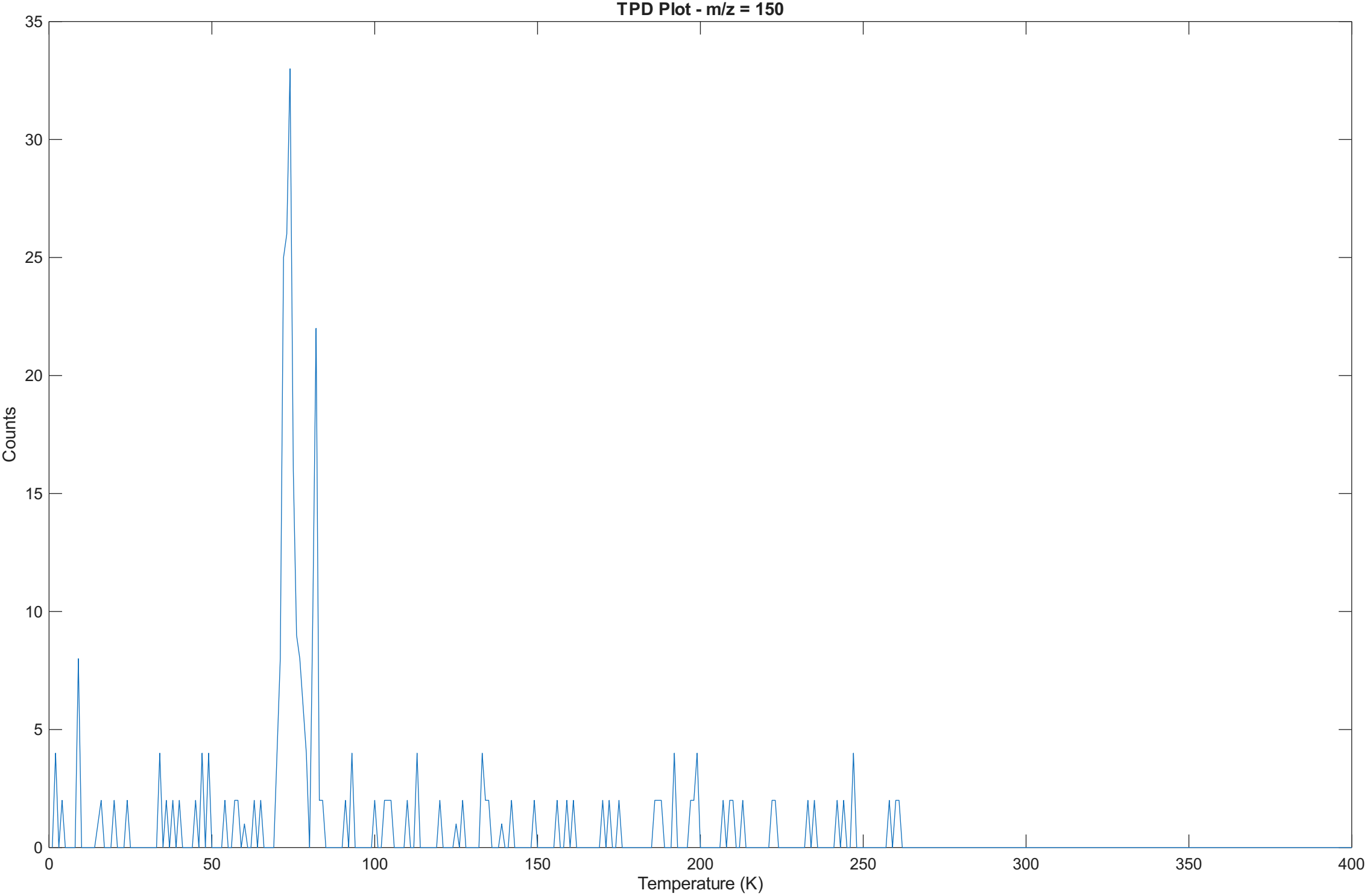

TPD Plot - m/z = 145
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

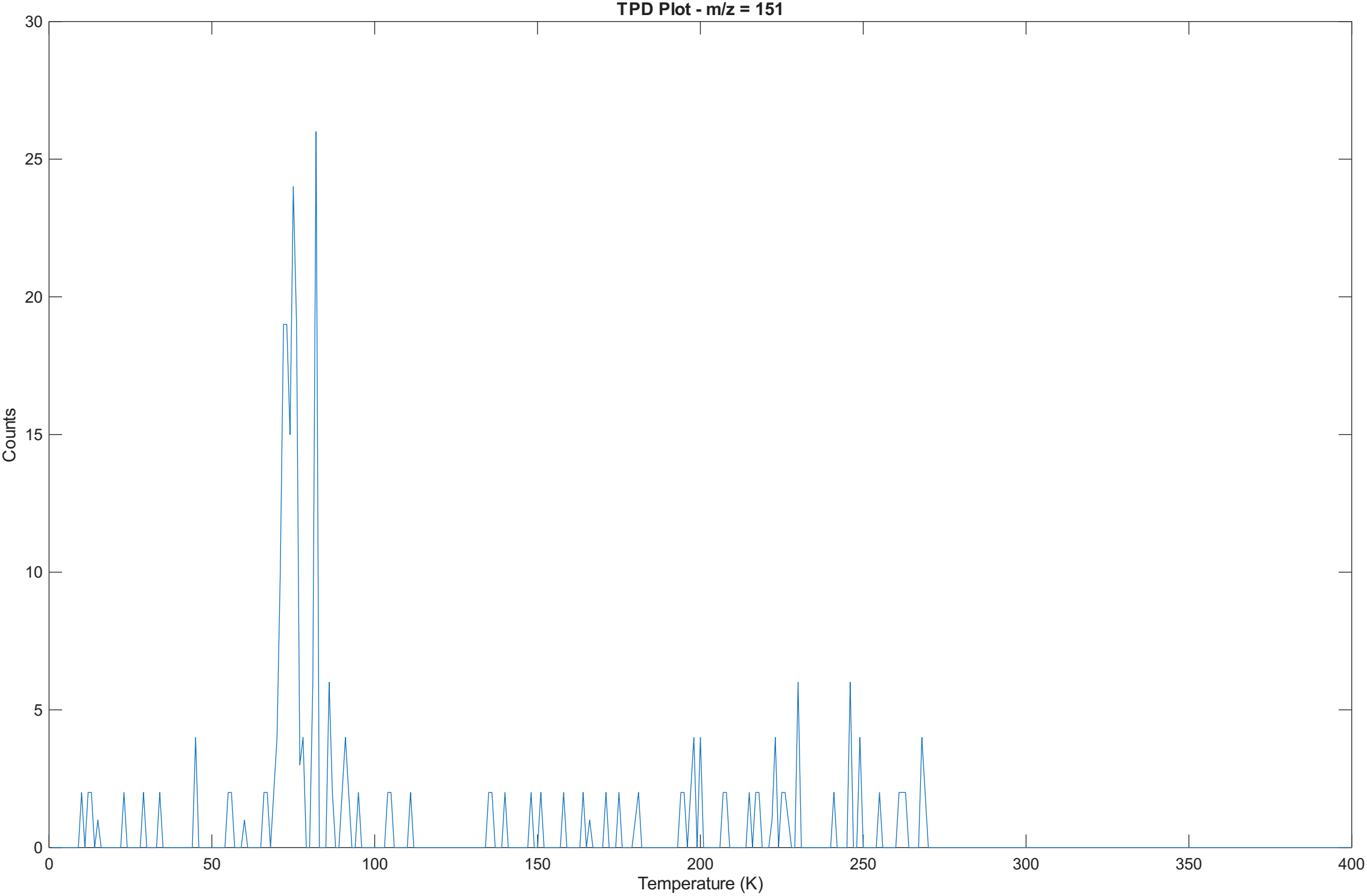

TPD Plot - m/z = 146
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

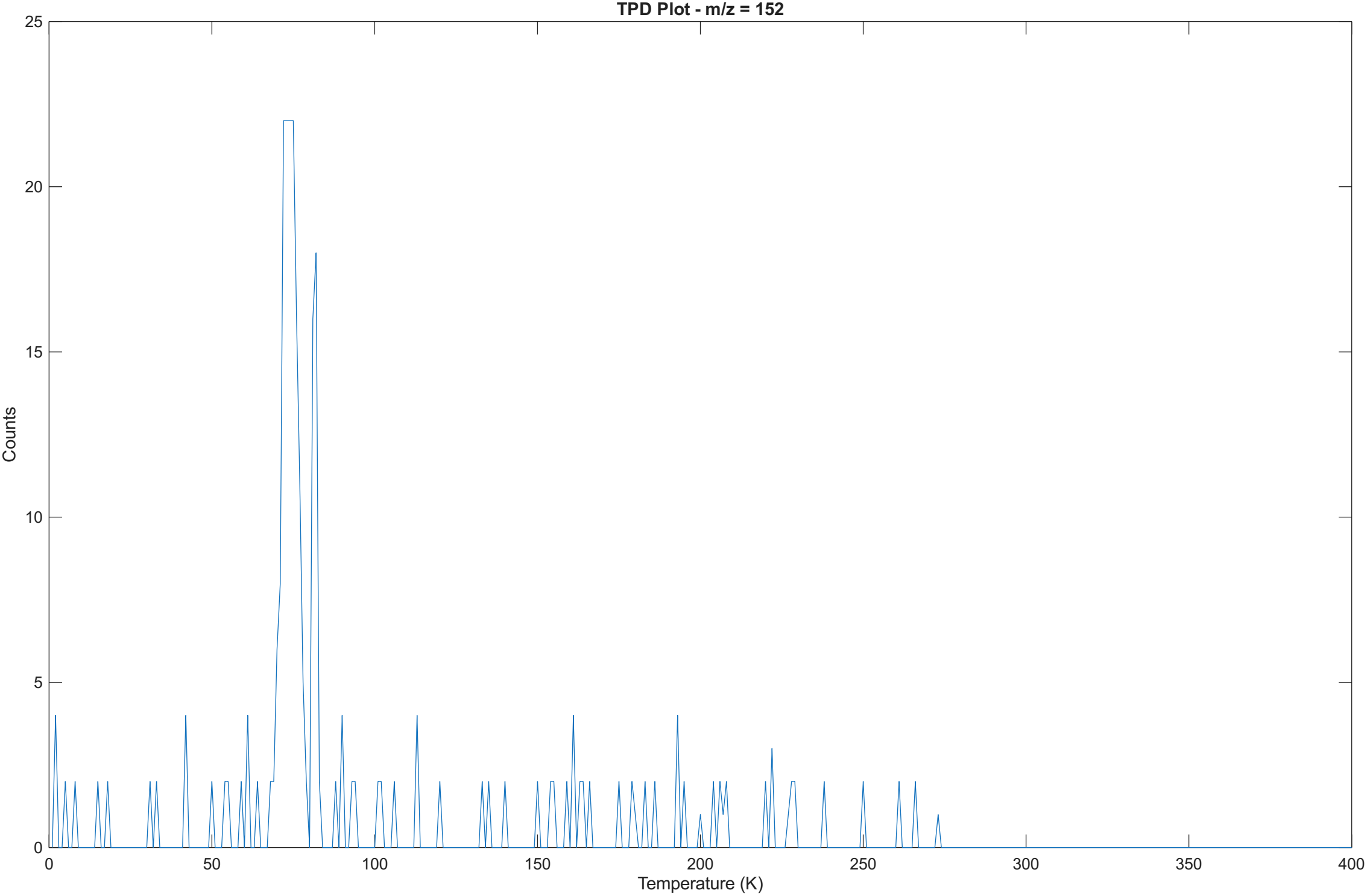

TPD Plot - m/z = 147
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

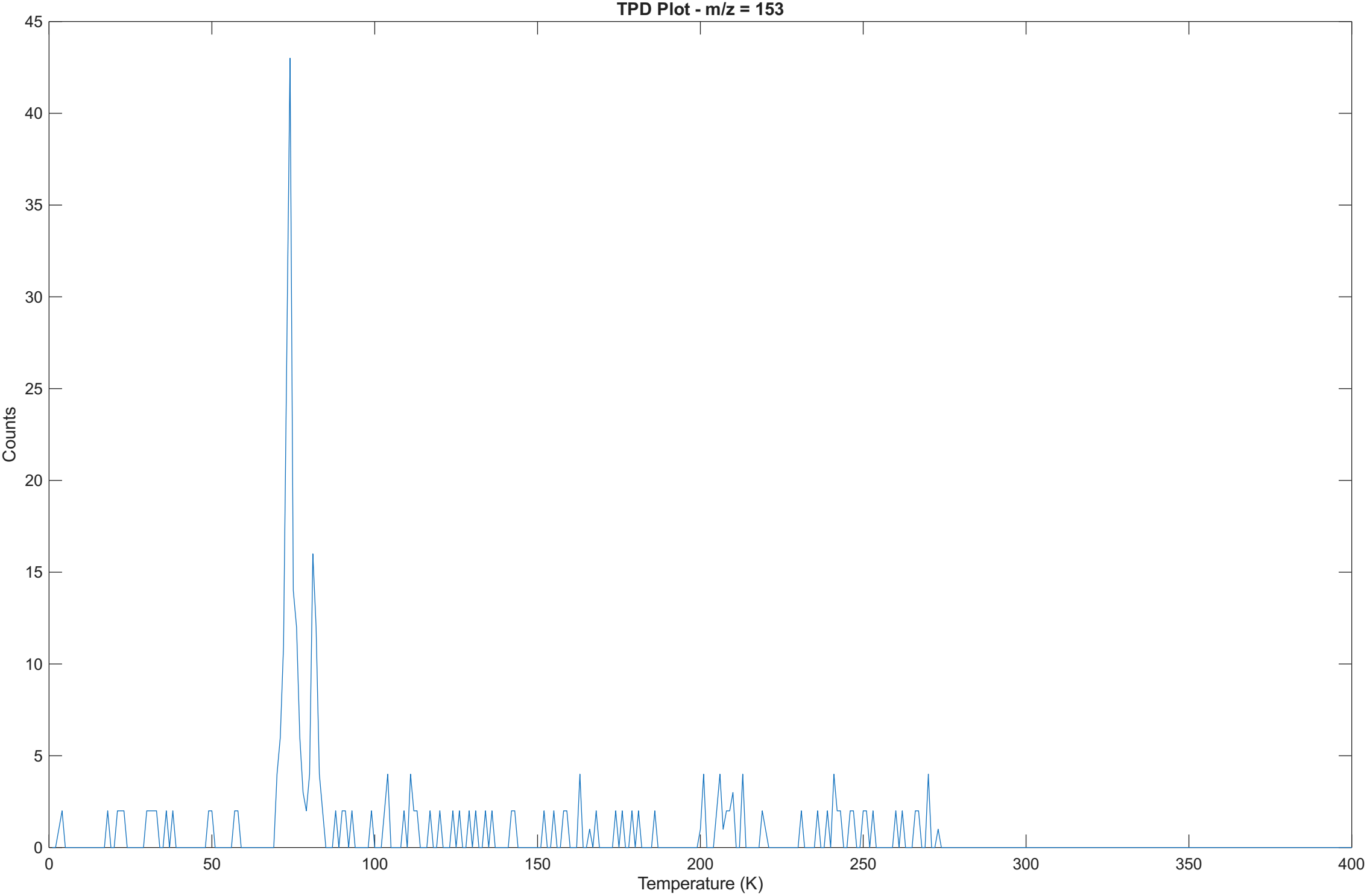

TPD Plot - m/z = 148
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

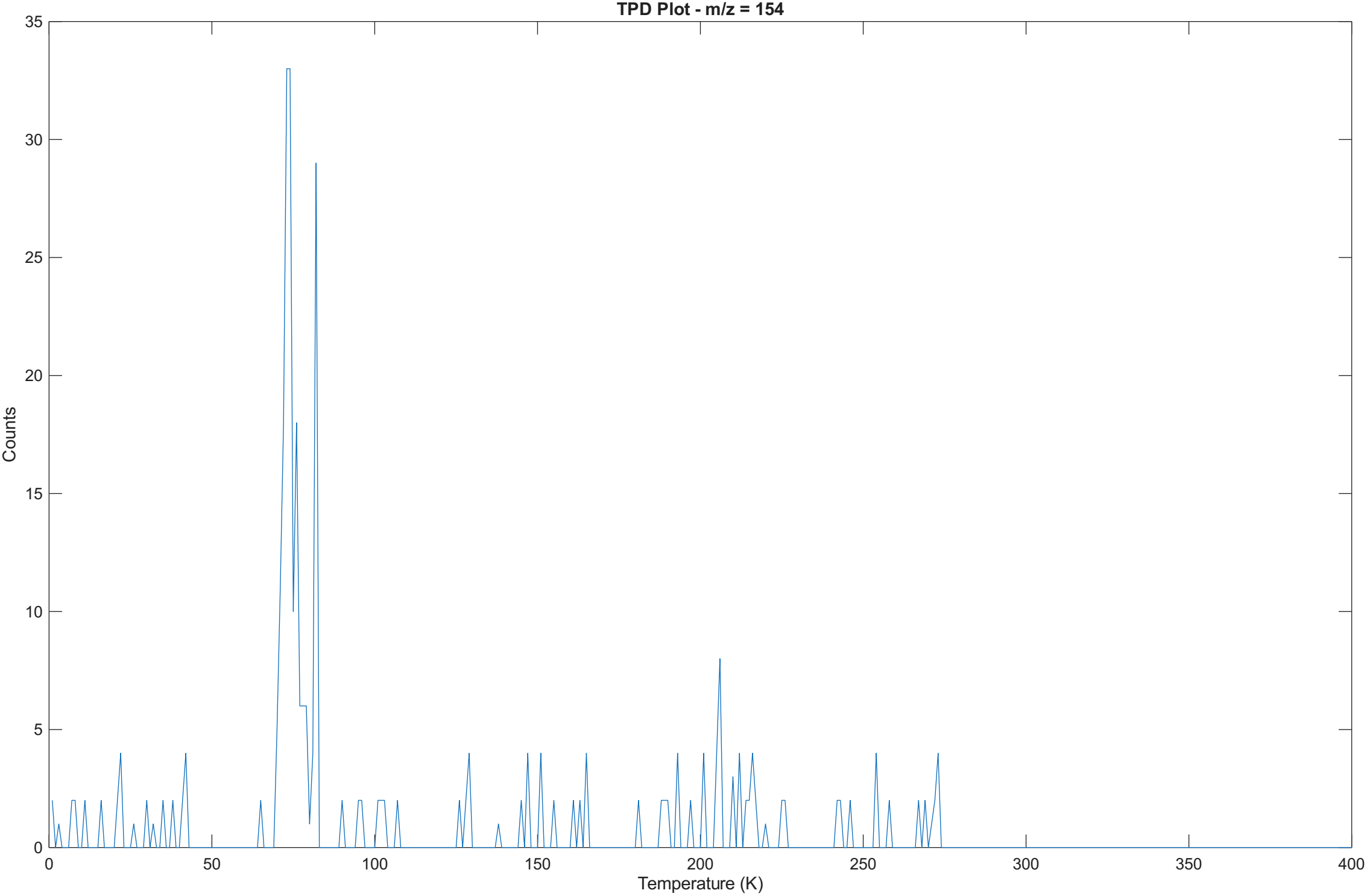

TPD Plot - m/z = 149
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

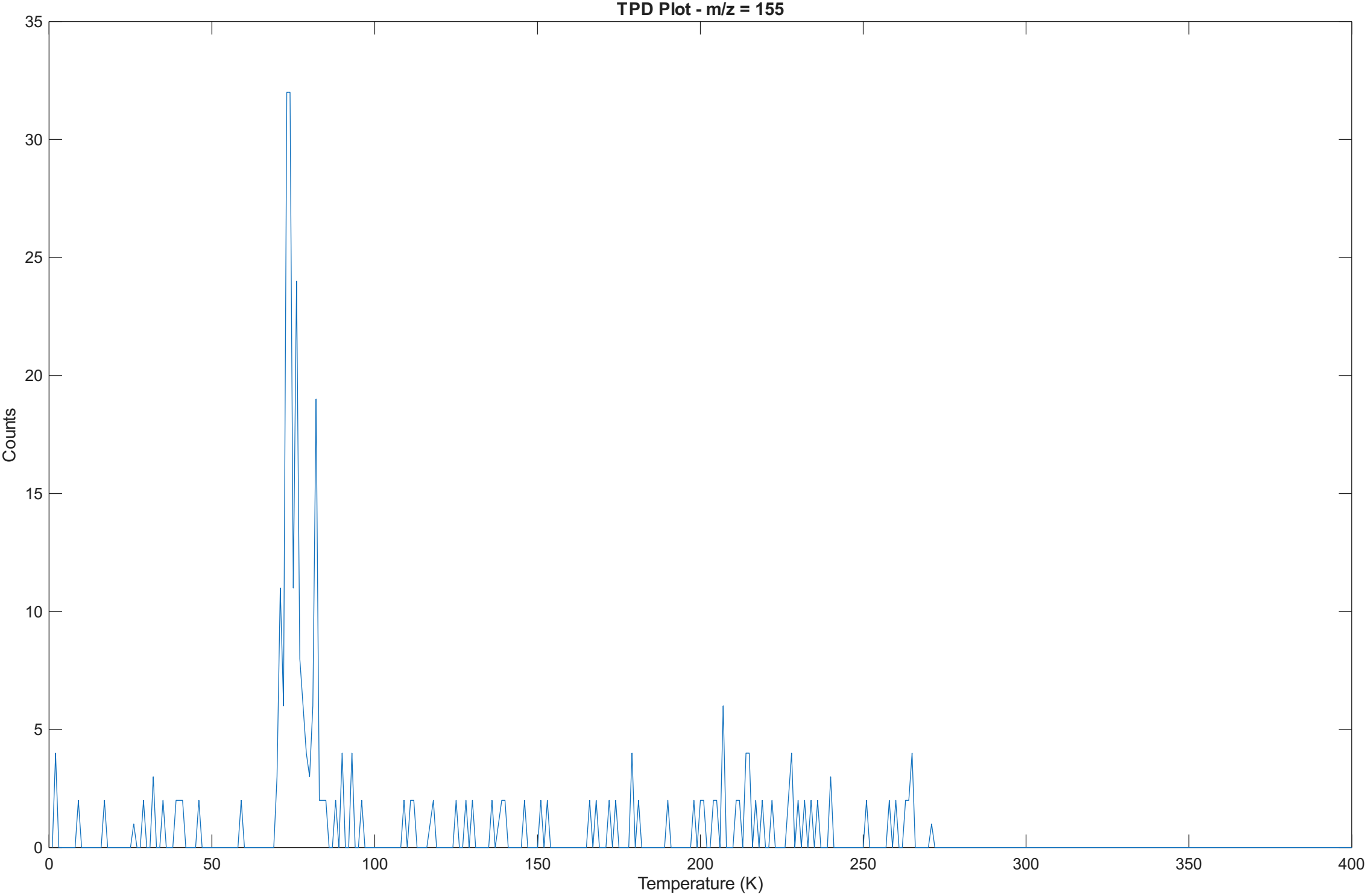

TPD Plot - m/z = 150
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

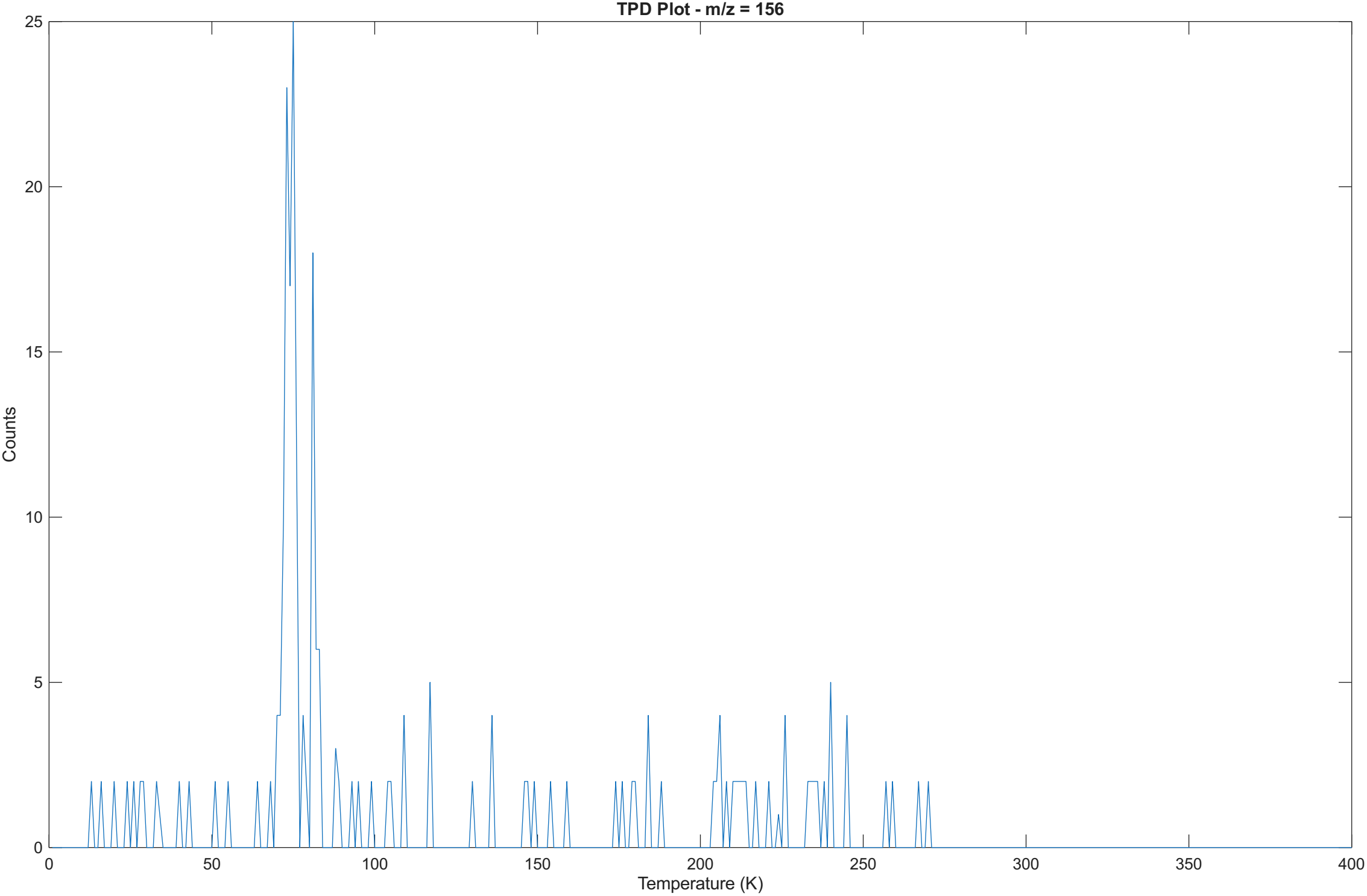

TPD Plot - m/z = 151
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

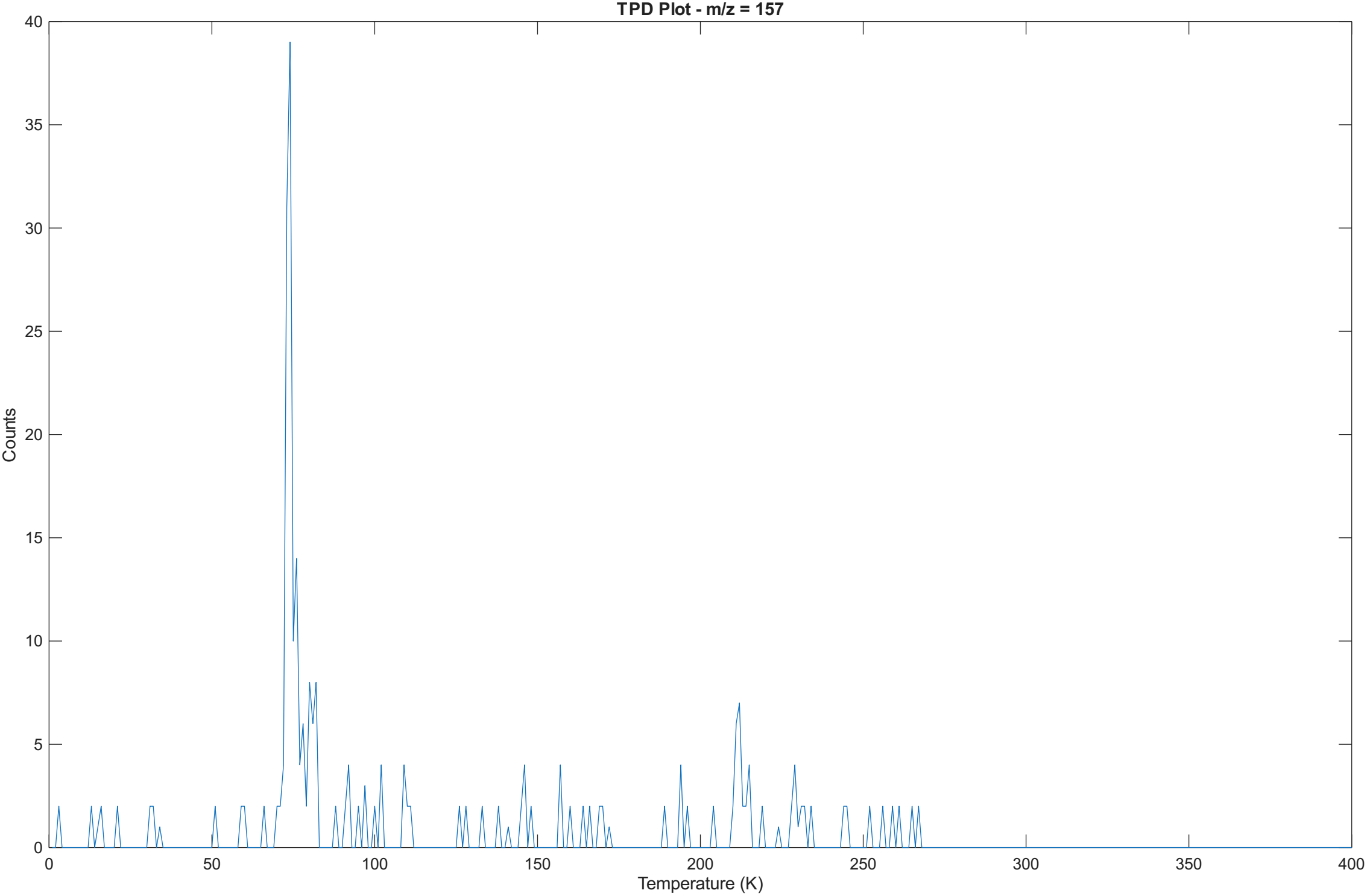

TPD Plot - m/z = 152
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

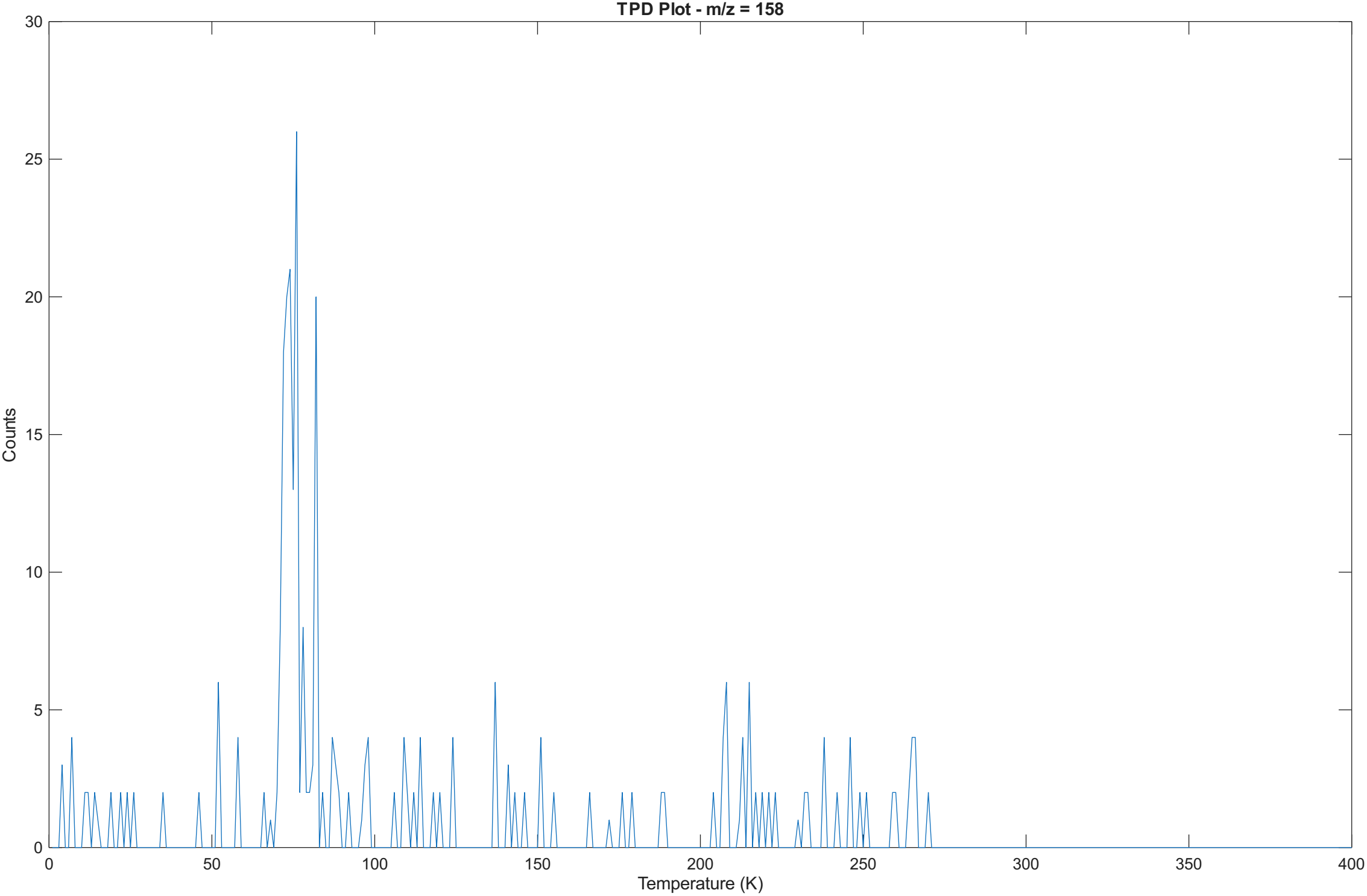

TPD Plot - m/z = 153
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

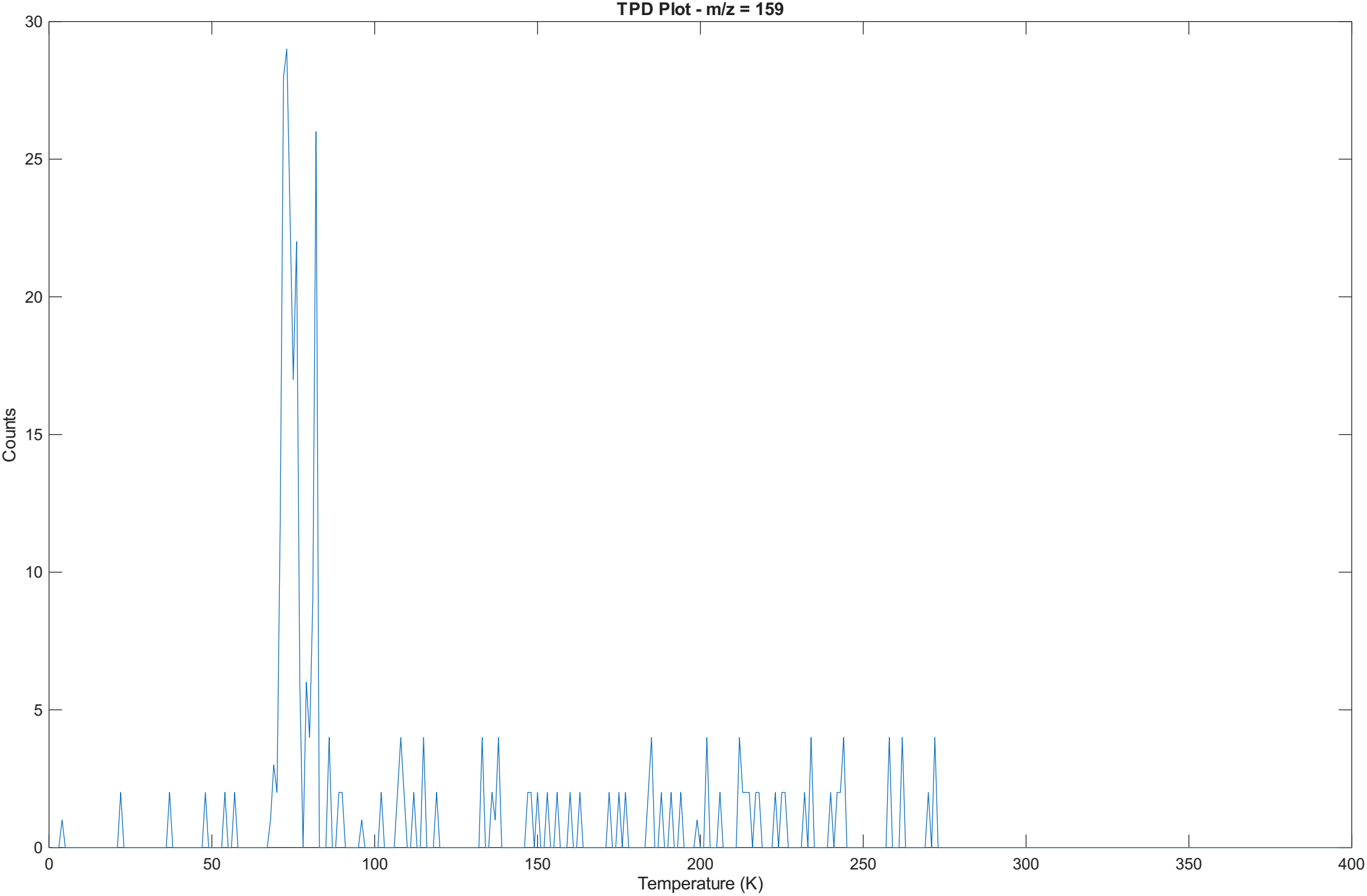

TPD Plot - m/z = 154
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

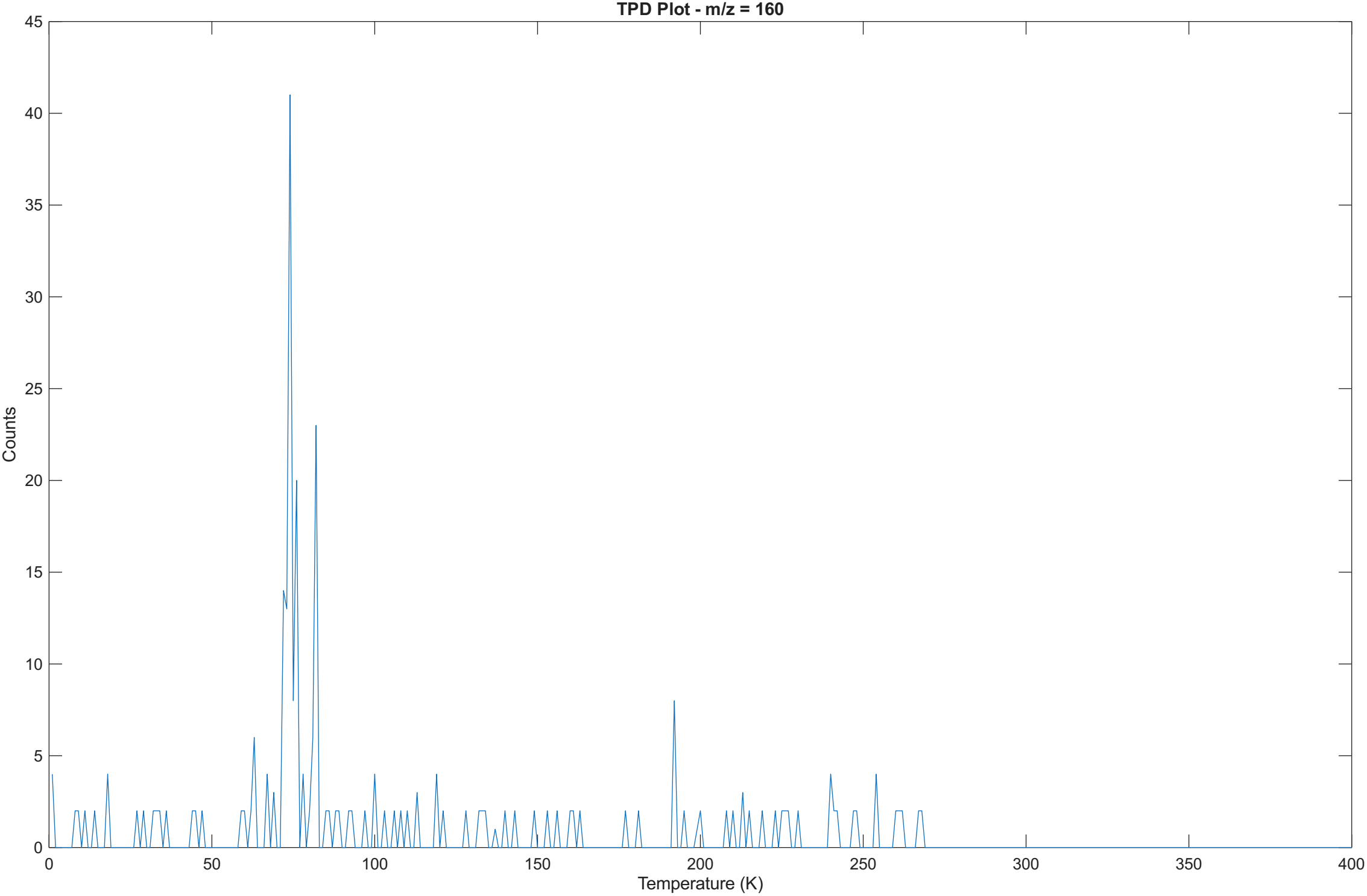

TPD Plot - m/z = 155
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

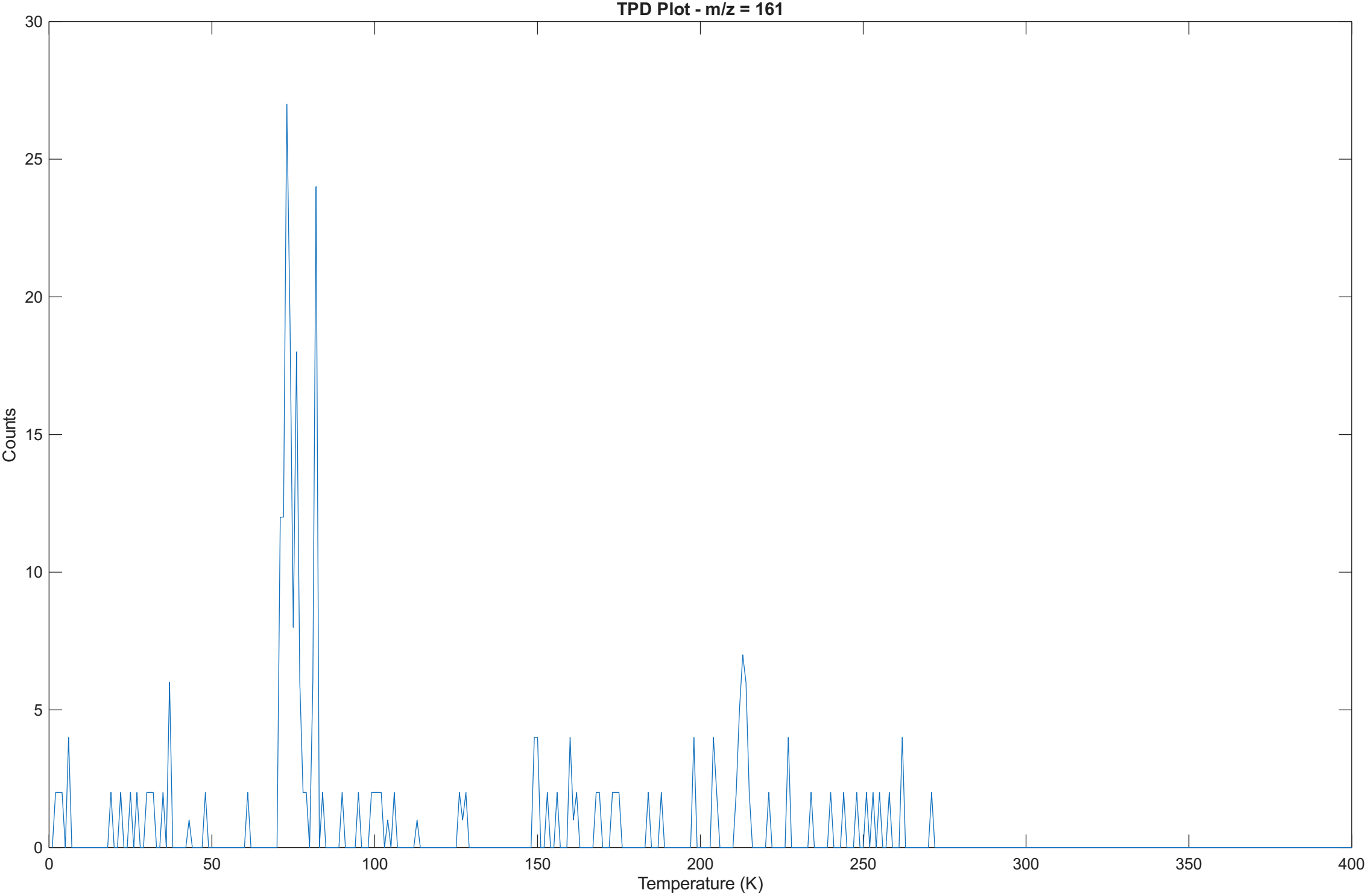

TPD Plot - m/z = 156
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

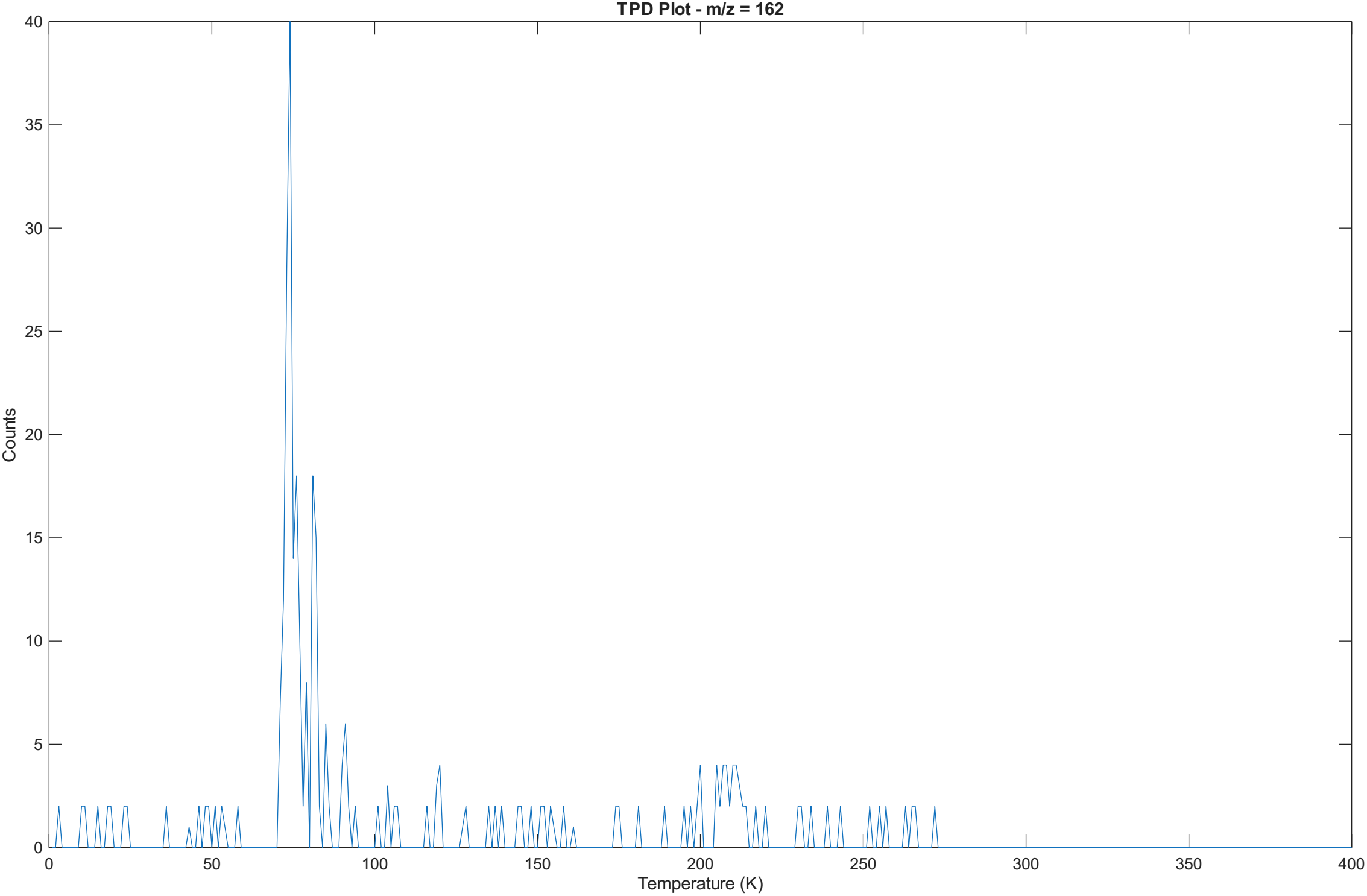

TPD Plot - m/z = 157
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

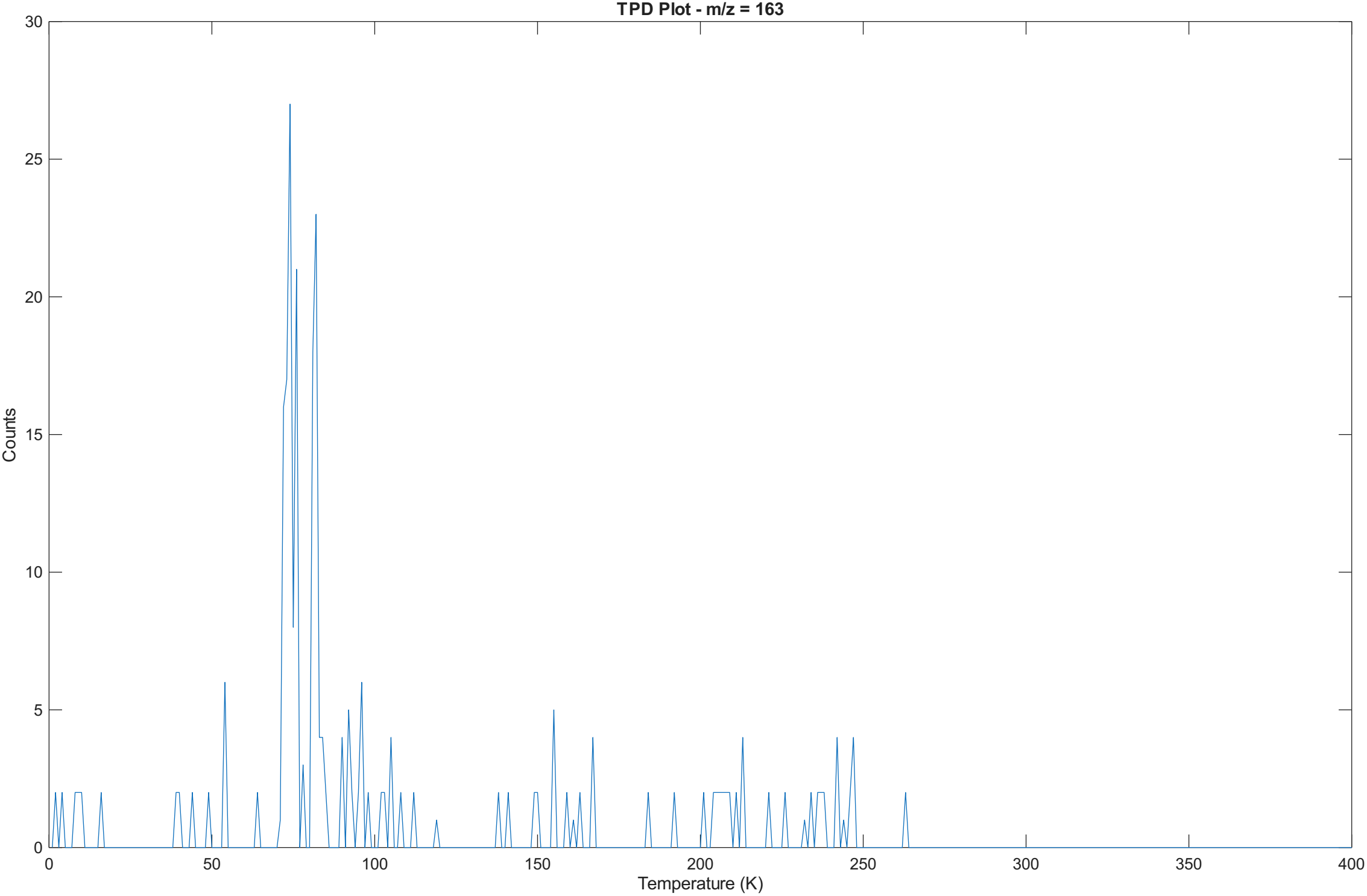

TPD Plot - m/z = 158
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

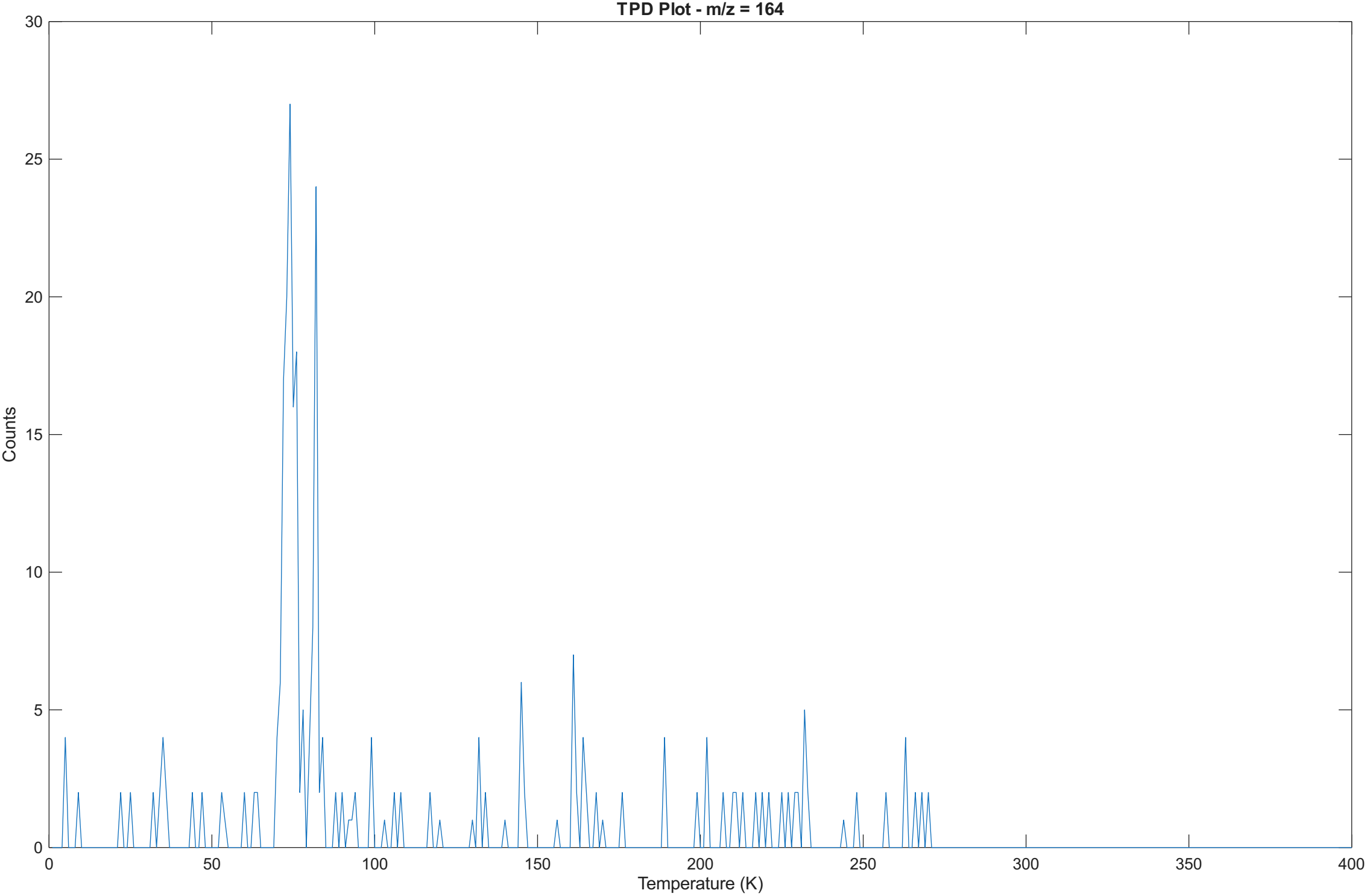

TPD Plot - m/z = 159
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

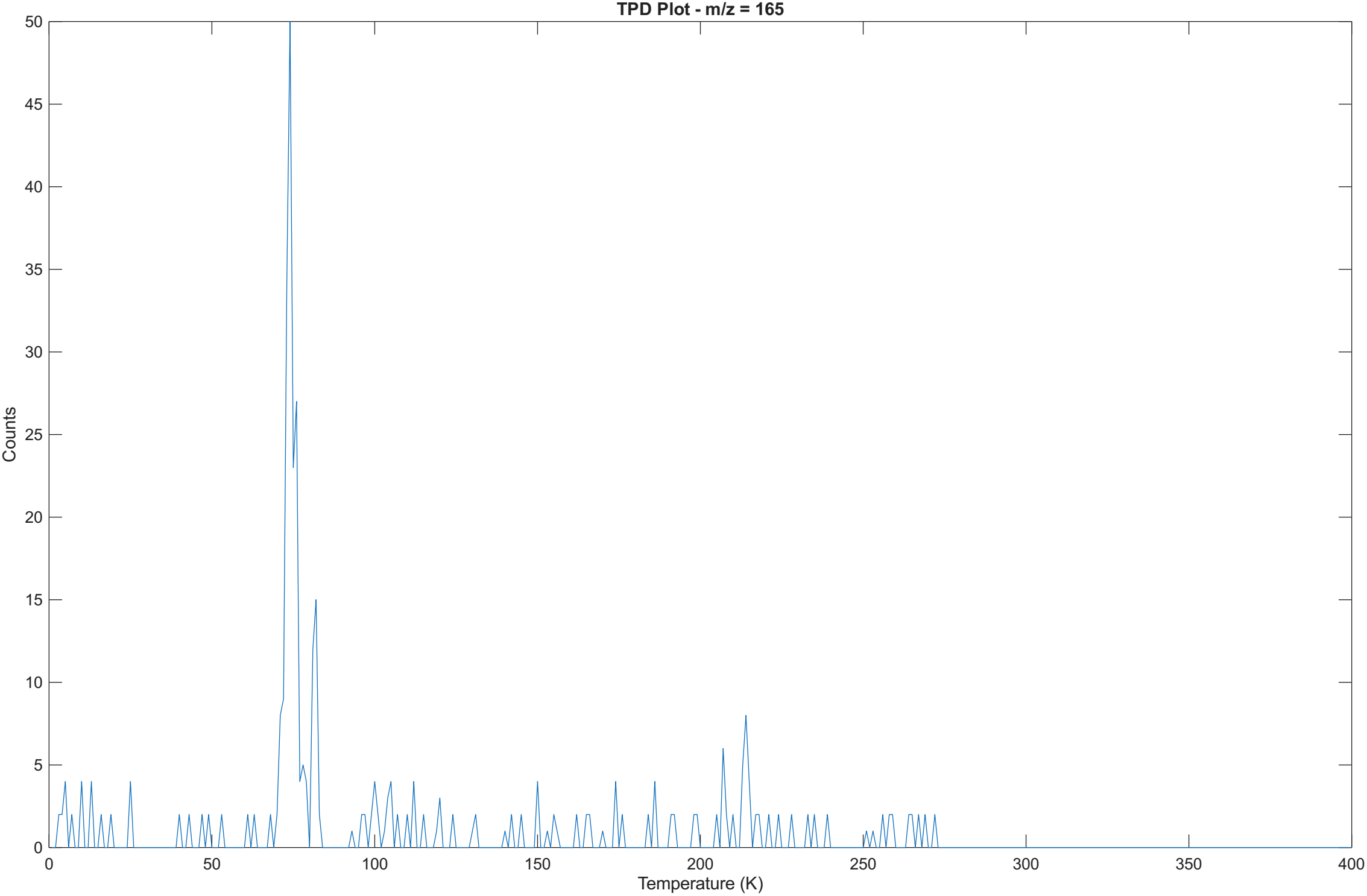

TPD Plot - m/z = 160
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
350
400

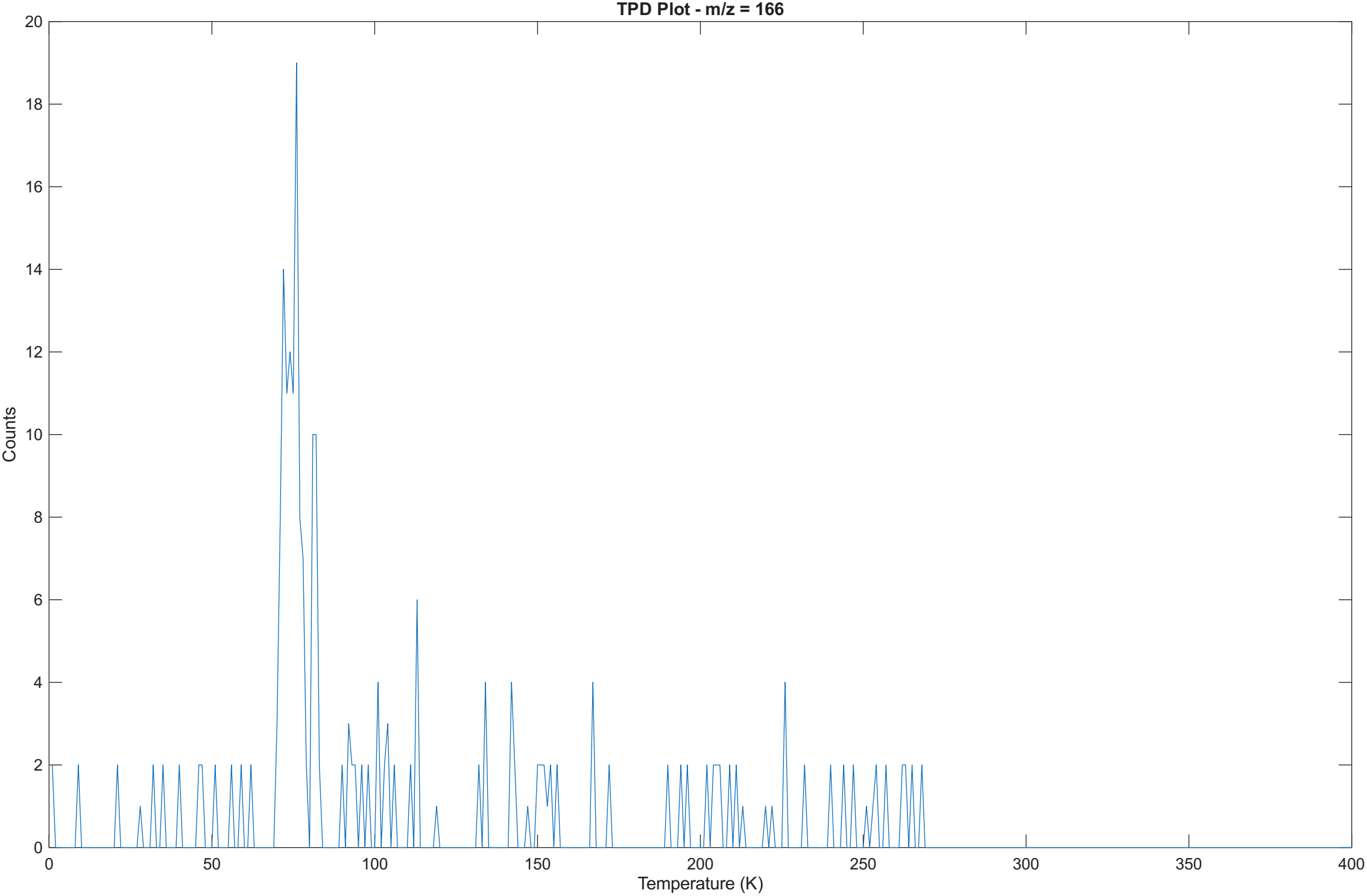

TPD Plot - m/z = 161
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

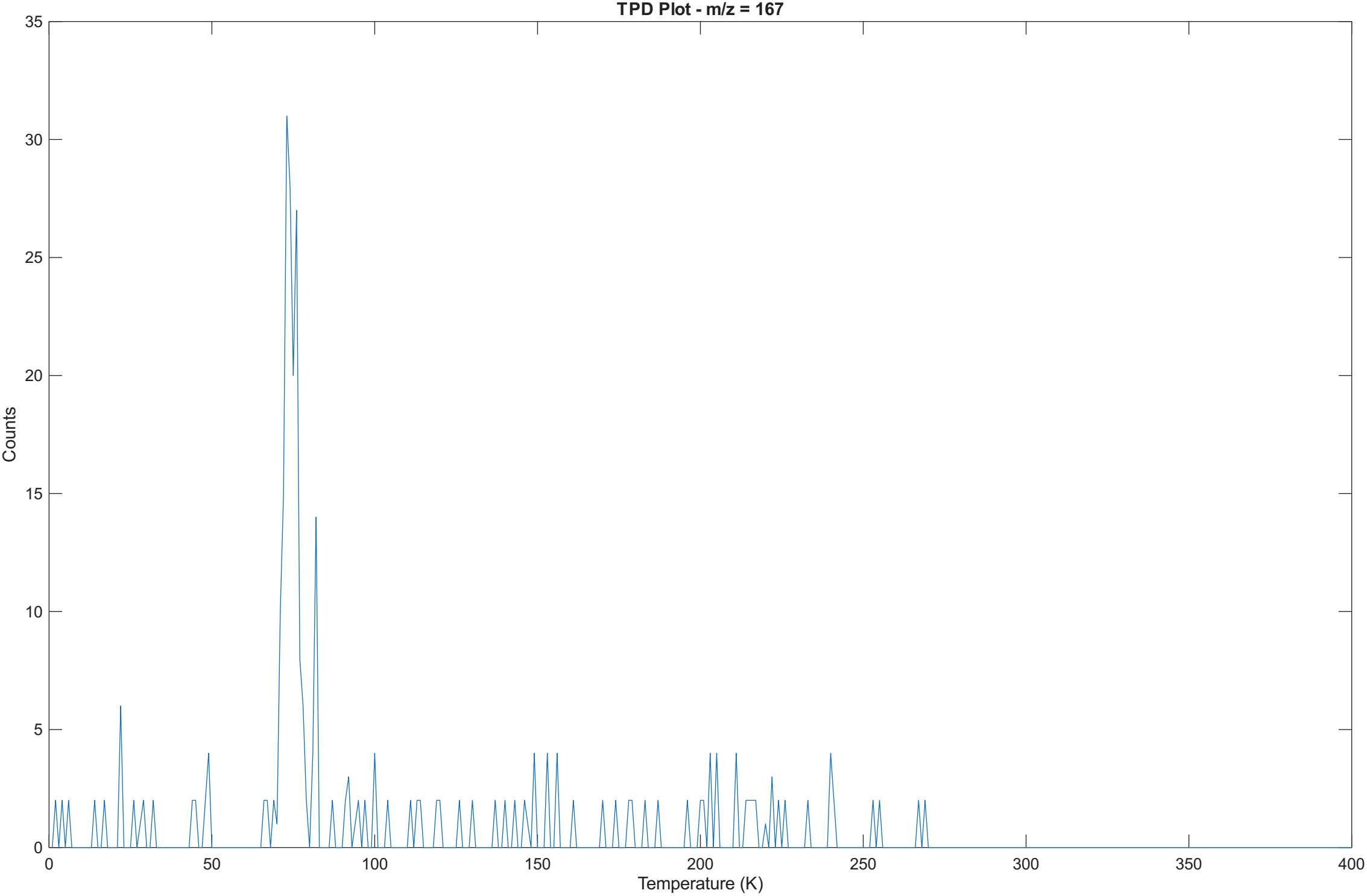

TPD Plot - m/z = 162
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

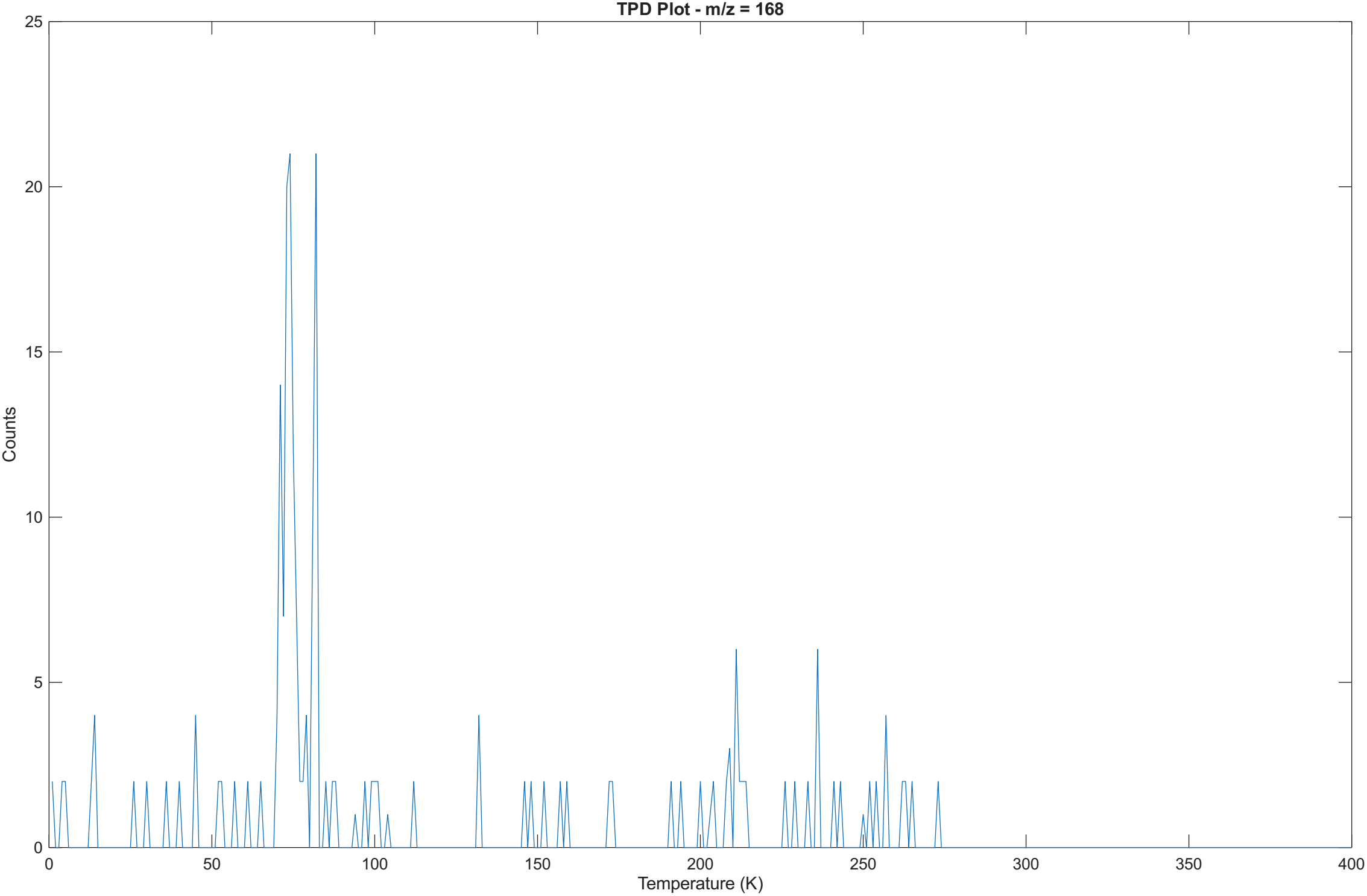

TPD Plot - m/z = 163
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

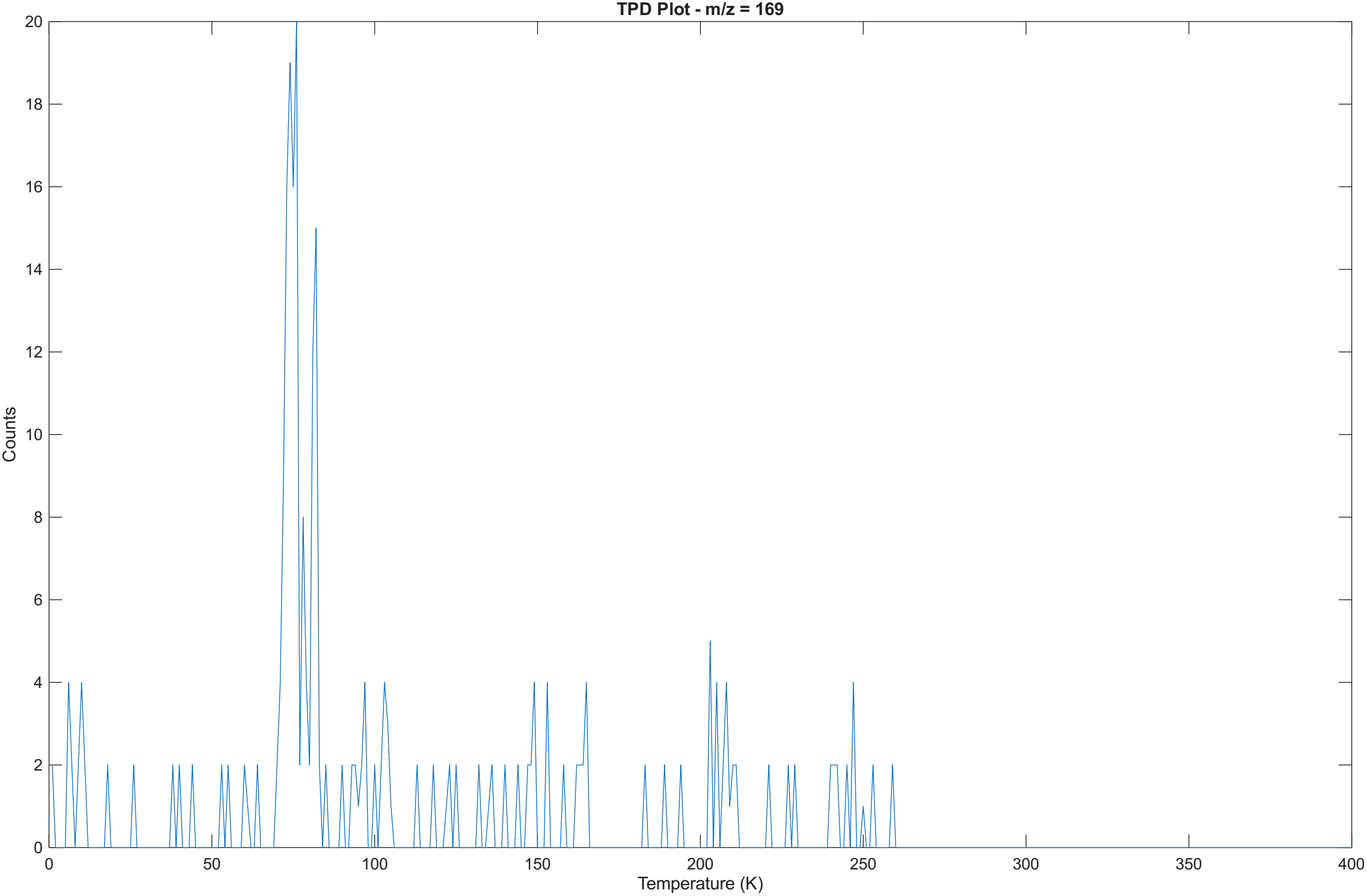

TPD Plot - m/z = 164
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

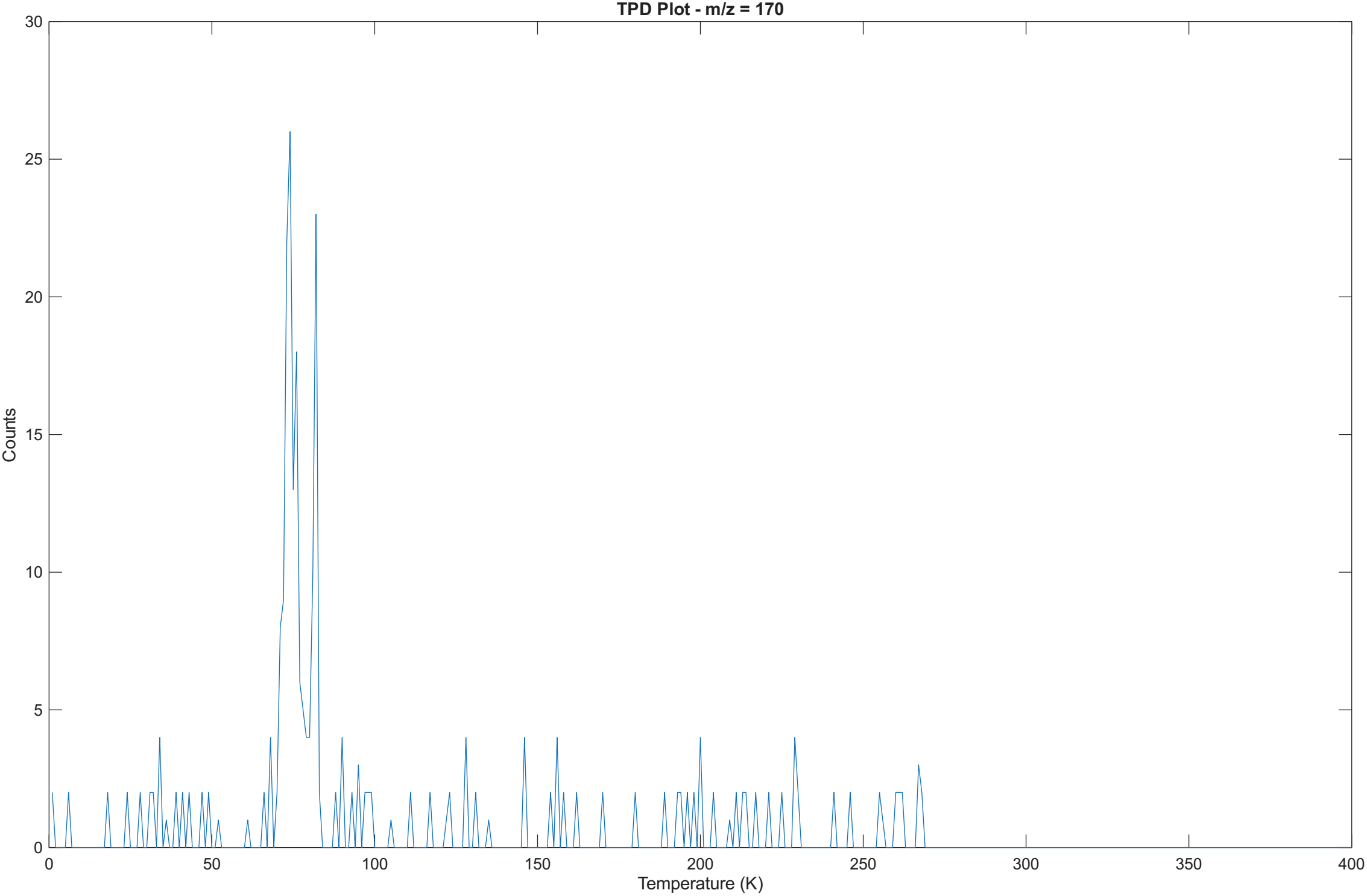

TPD Plot - m/z = 165
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
45
50
0
50
100
150
200
250
300
350
400

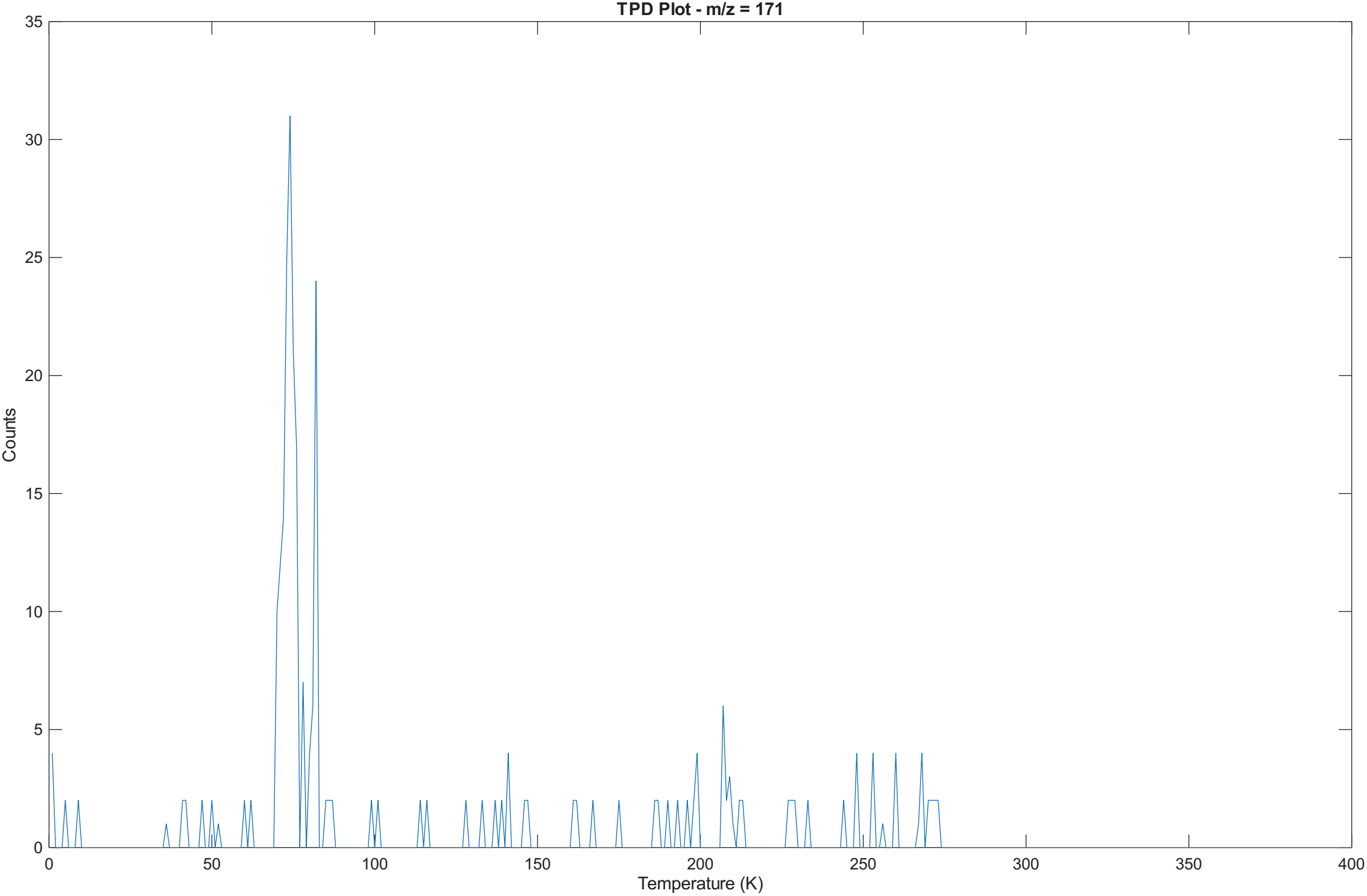

TPD Plot - m/z = 166
Counts
Temperature (K)
0
2
4
6
8
10
12
14
16
18
20
0
50
100
150
200
250
300
350
400

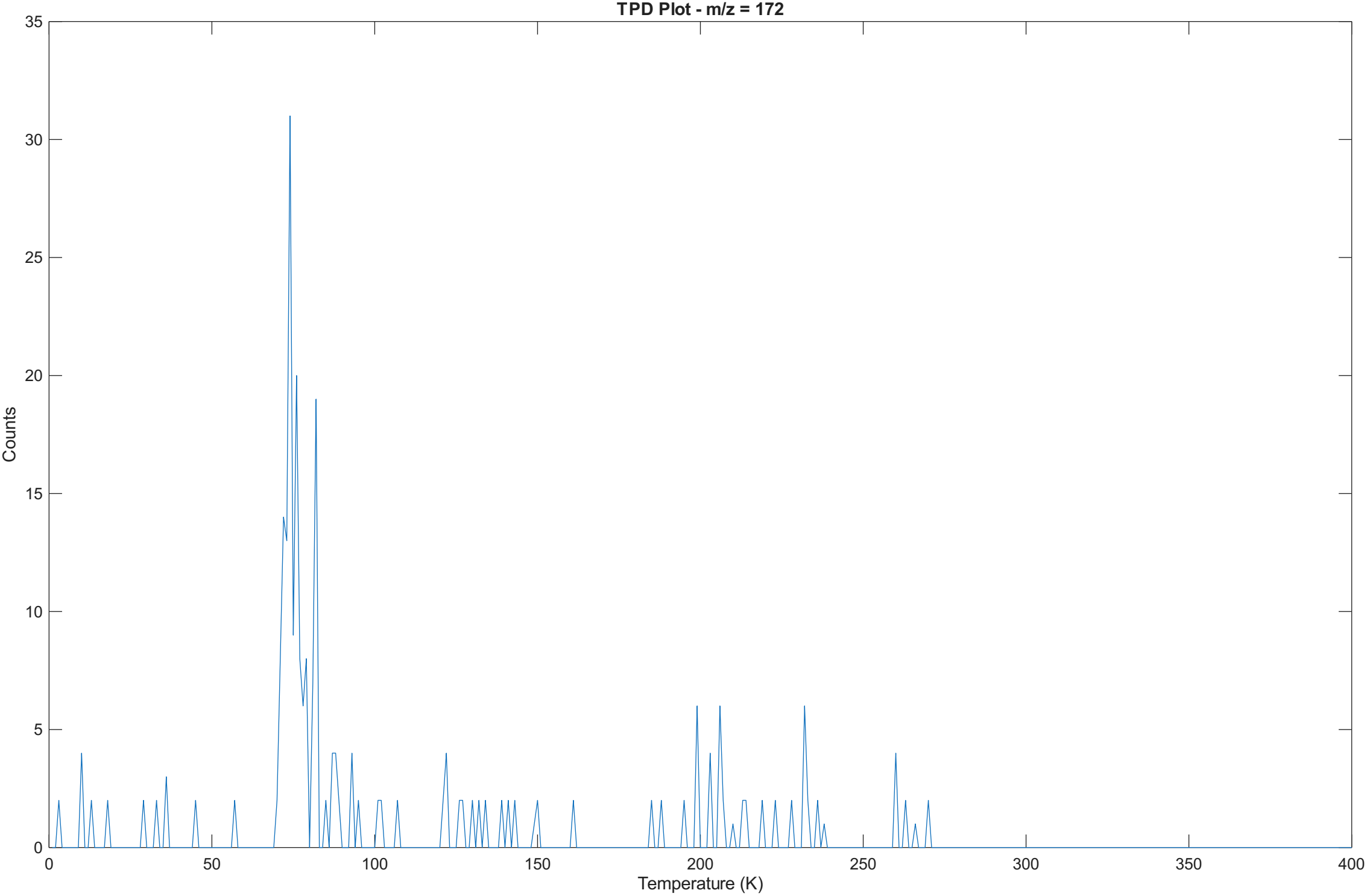

TPD Plot - m/z = 167
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

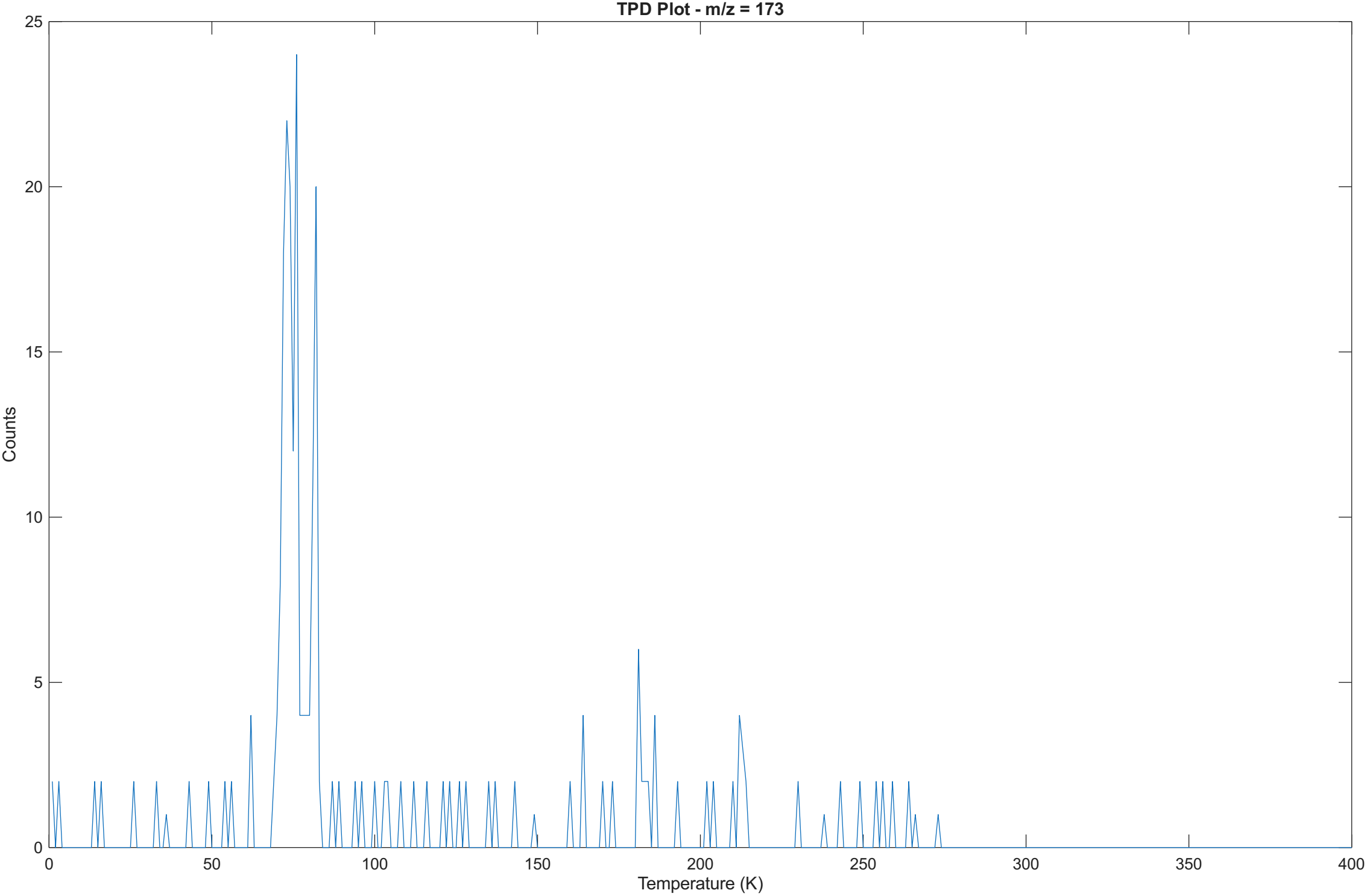

TPD Plot - m/z = 168
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

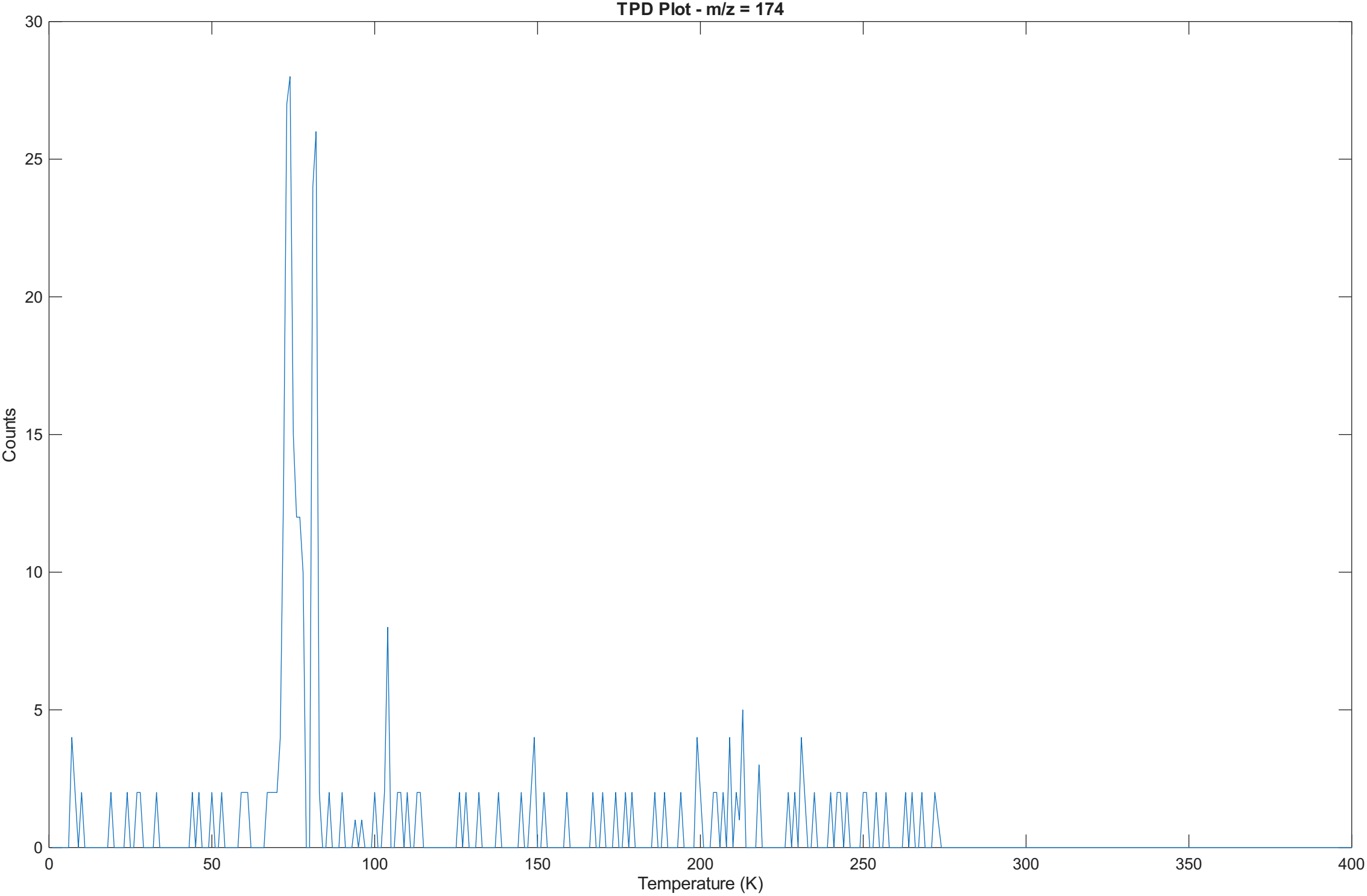

TPD Plot - m/z = 169
Counts
Temperature (K)
0
2
4
6
8
10
12
14
16
18
20
0
50
100
150
200
250
300
350
400

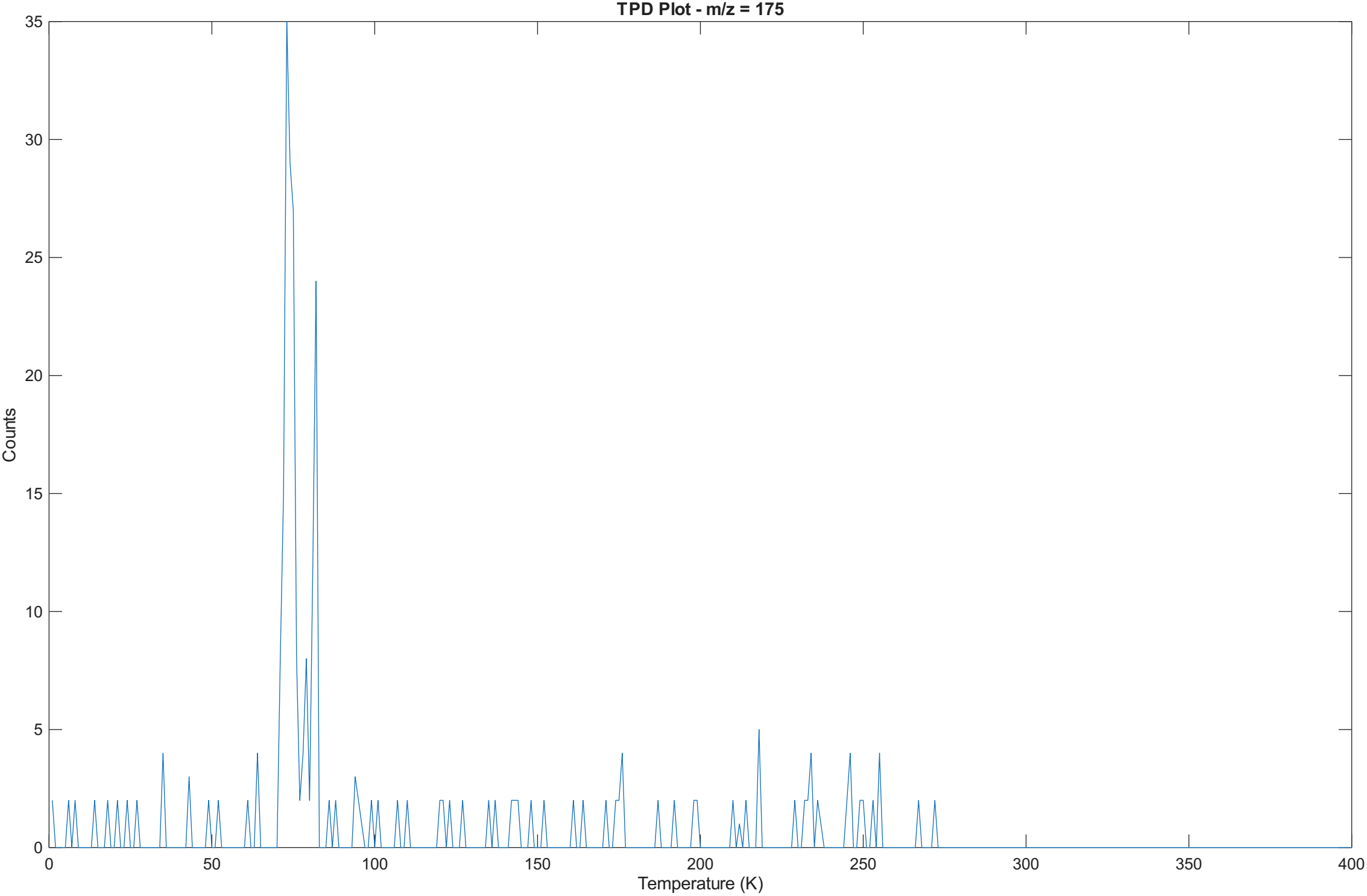

TPD Plot - m/z = 170
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

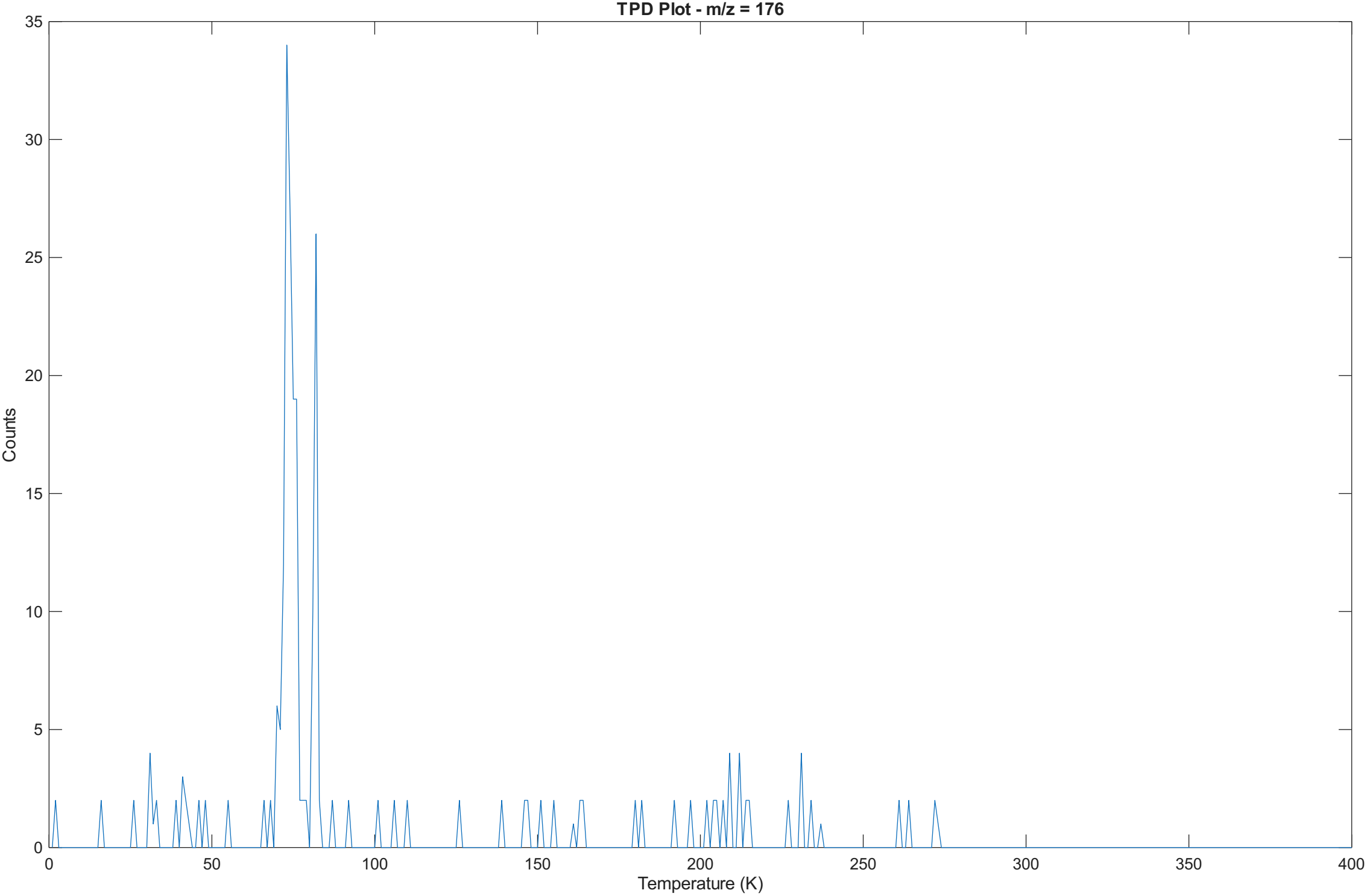

TPD Plot - m/z = 171
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

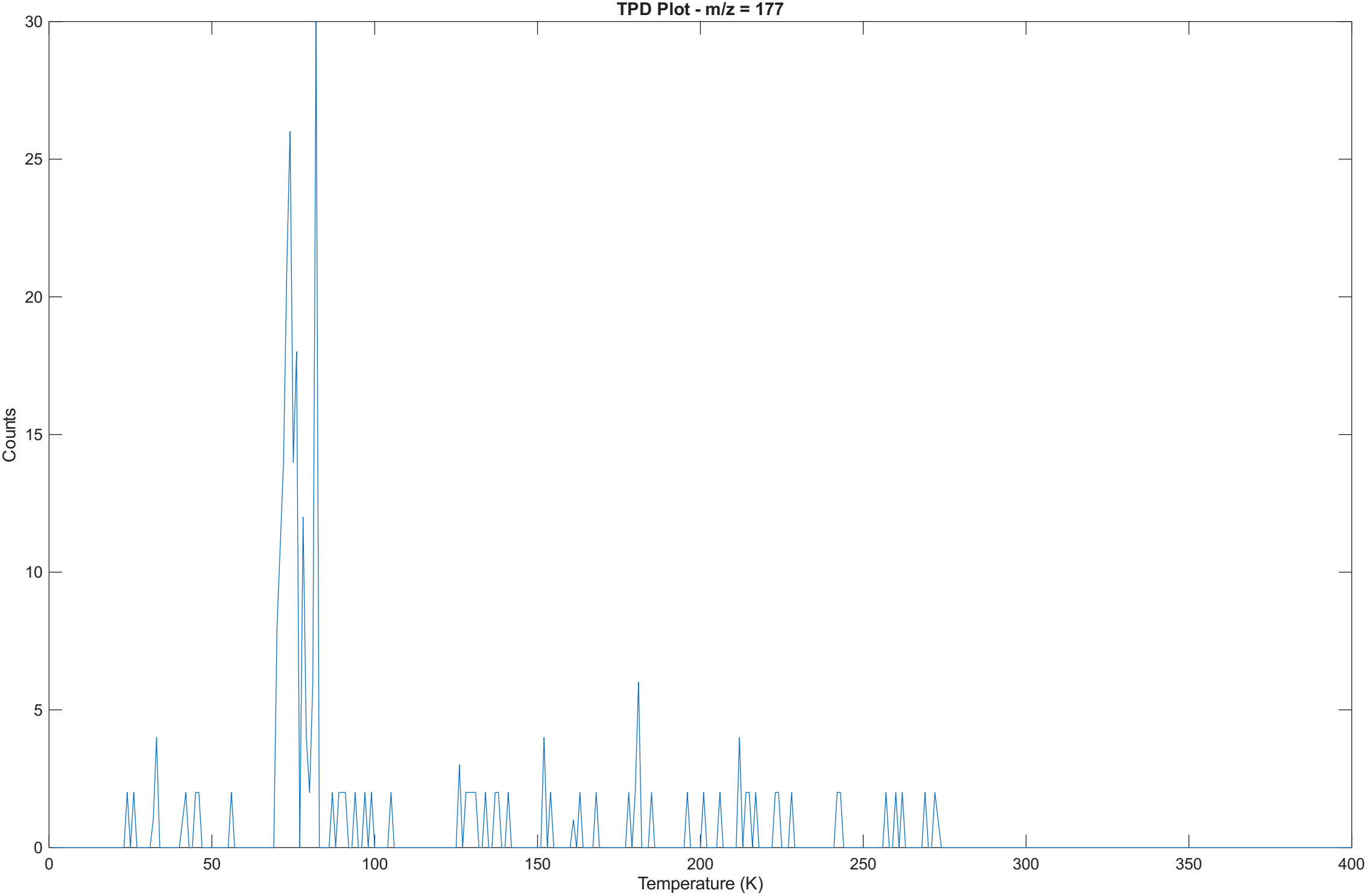

TPD Plot - m/z = 172
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

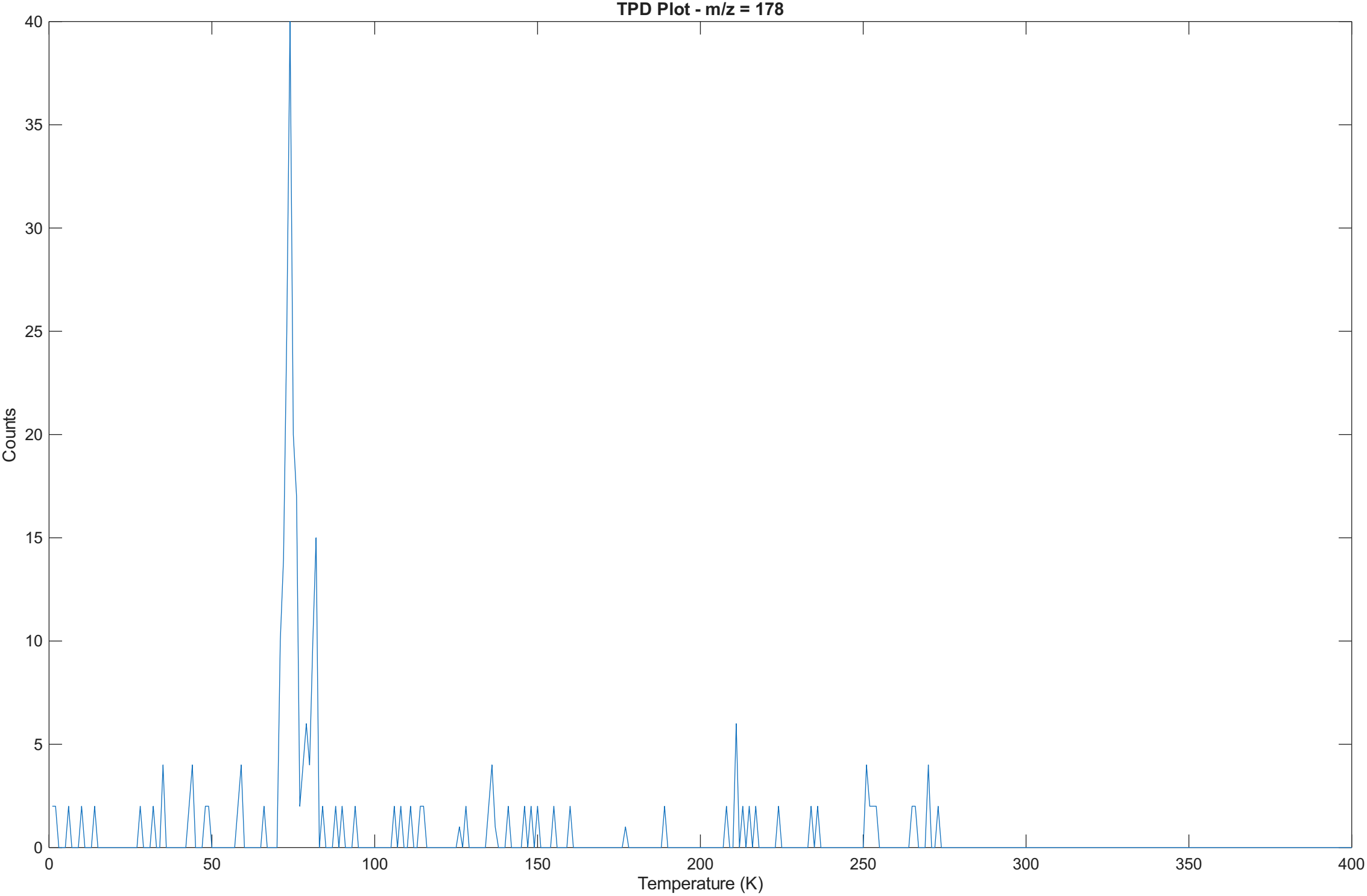

TPD Plot - m/z = 173
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

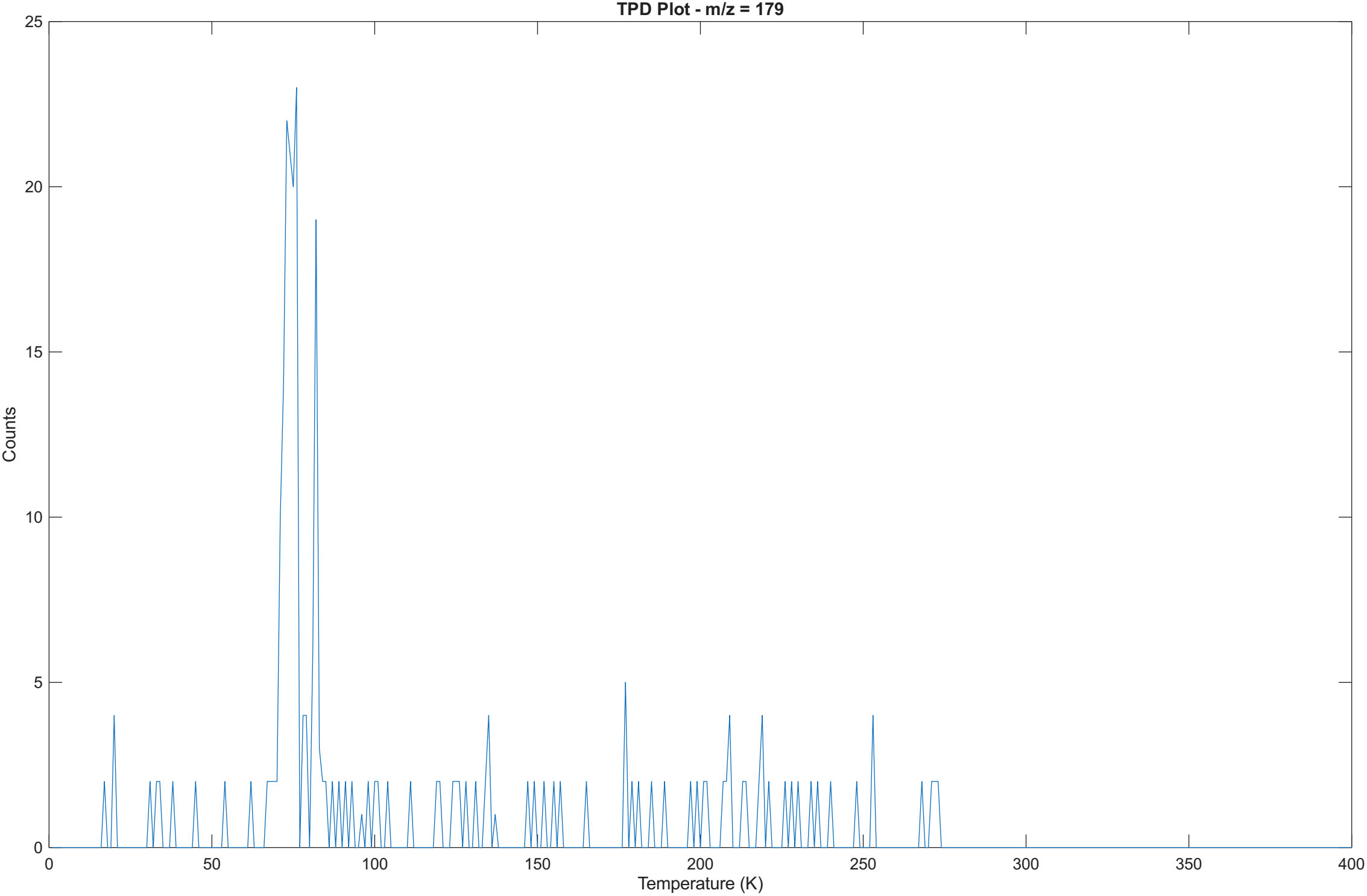

TPD Plot - m/z = 174
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

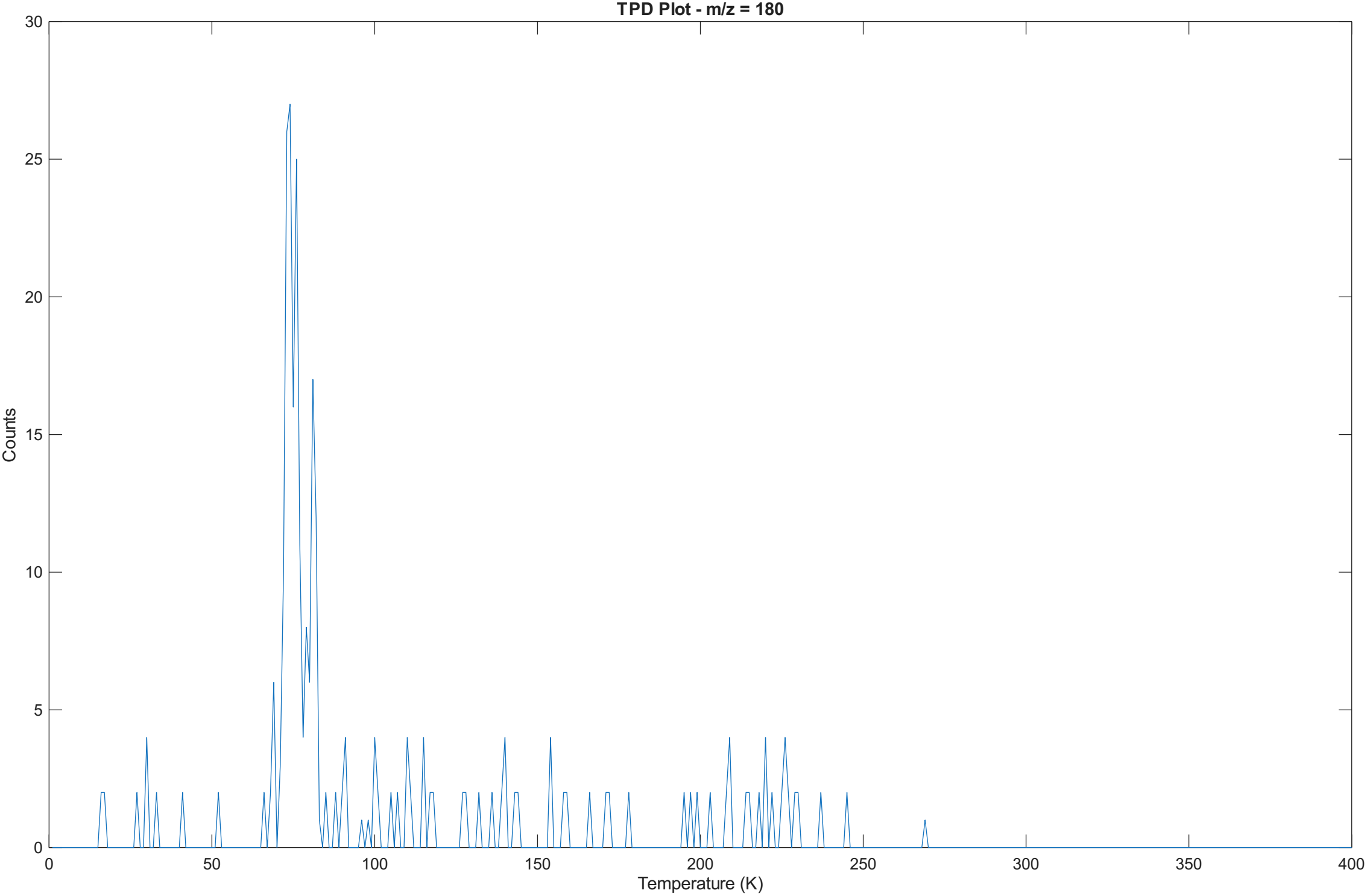

TPD Plot - m/z = 175
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

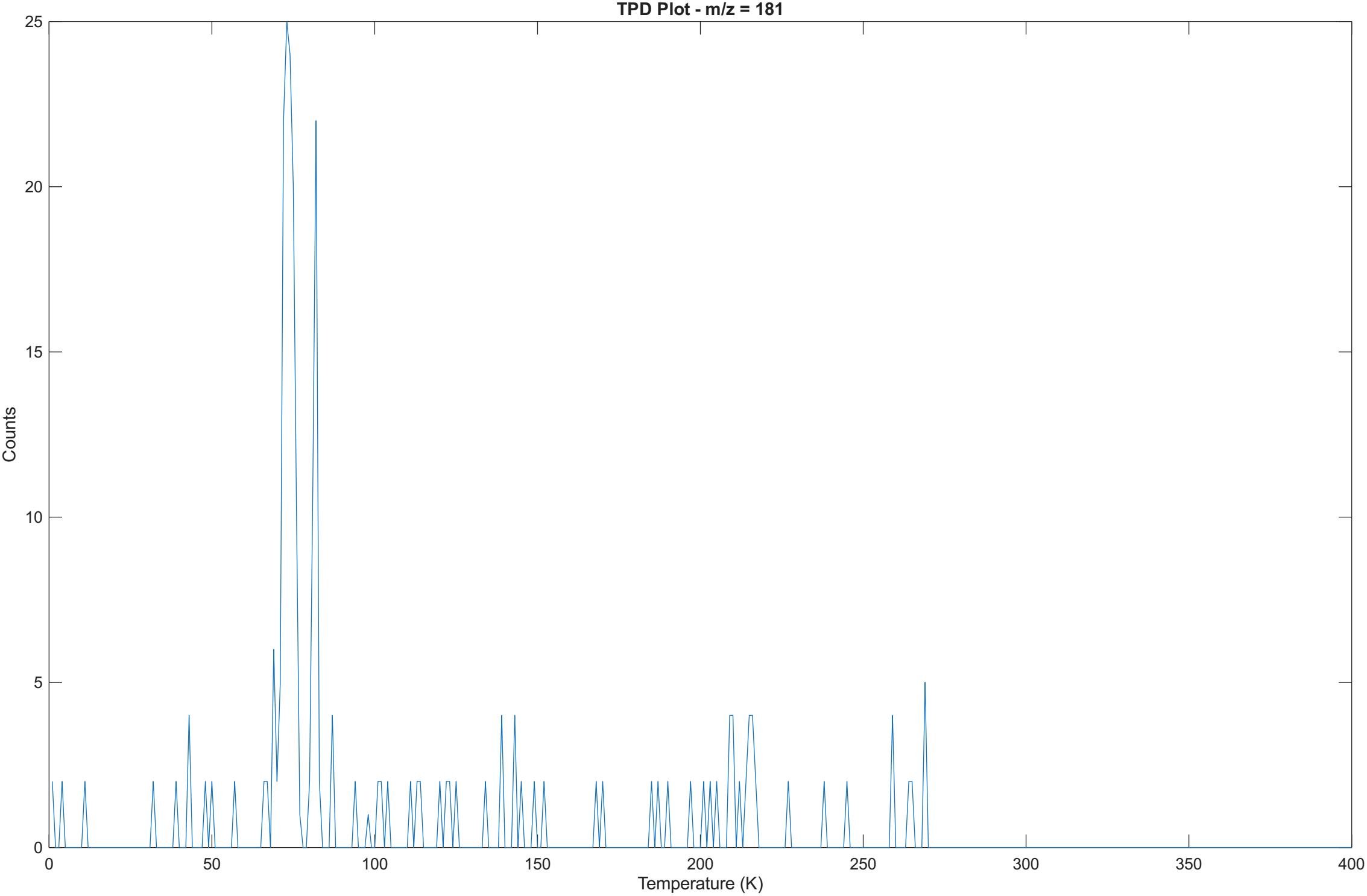

TPD Plot - m/z = 176
Counts
Temperature (K)
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300
350
400

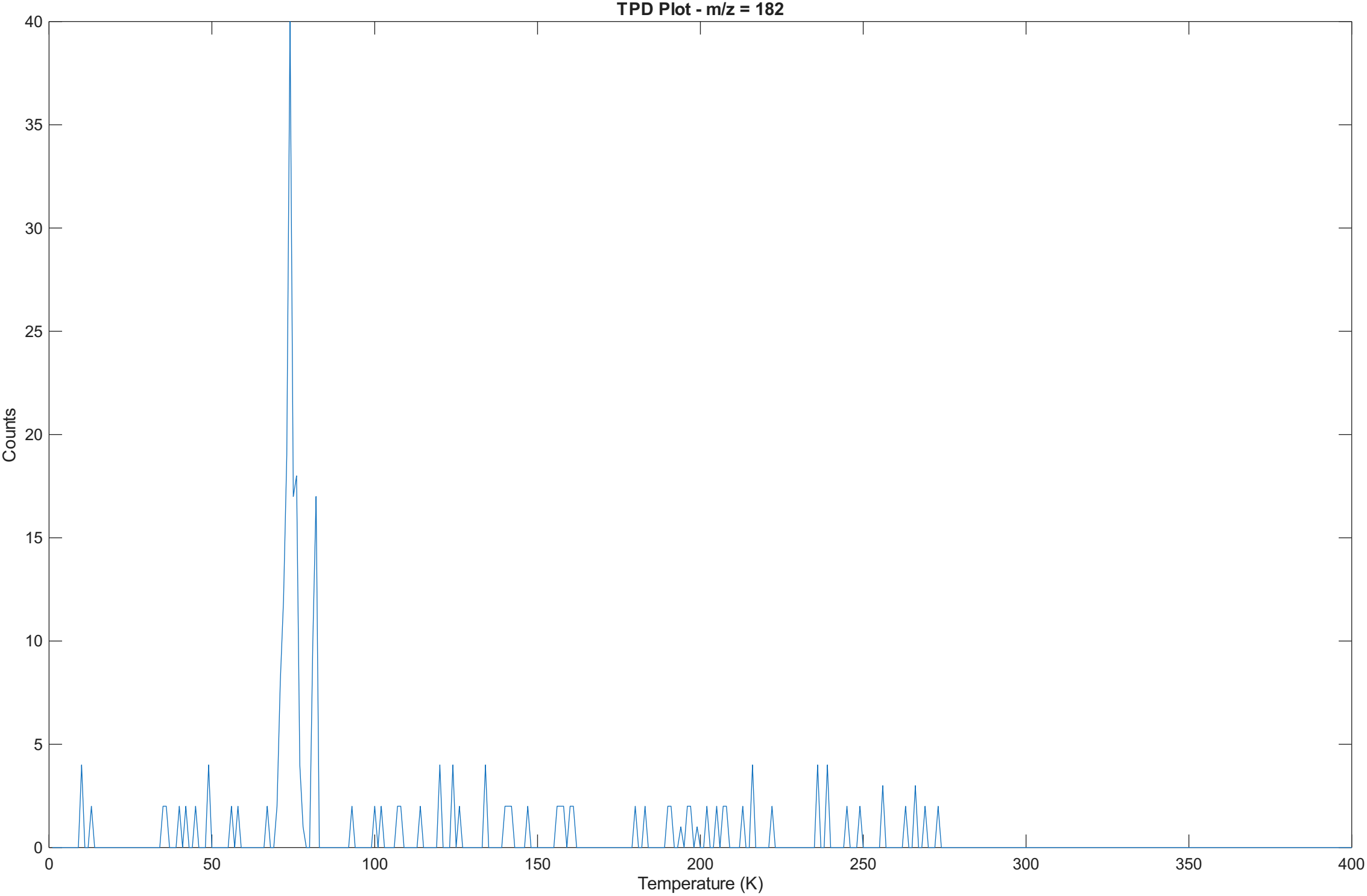

TPD Plot - m/z = 177
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

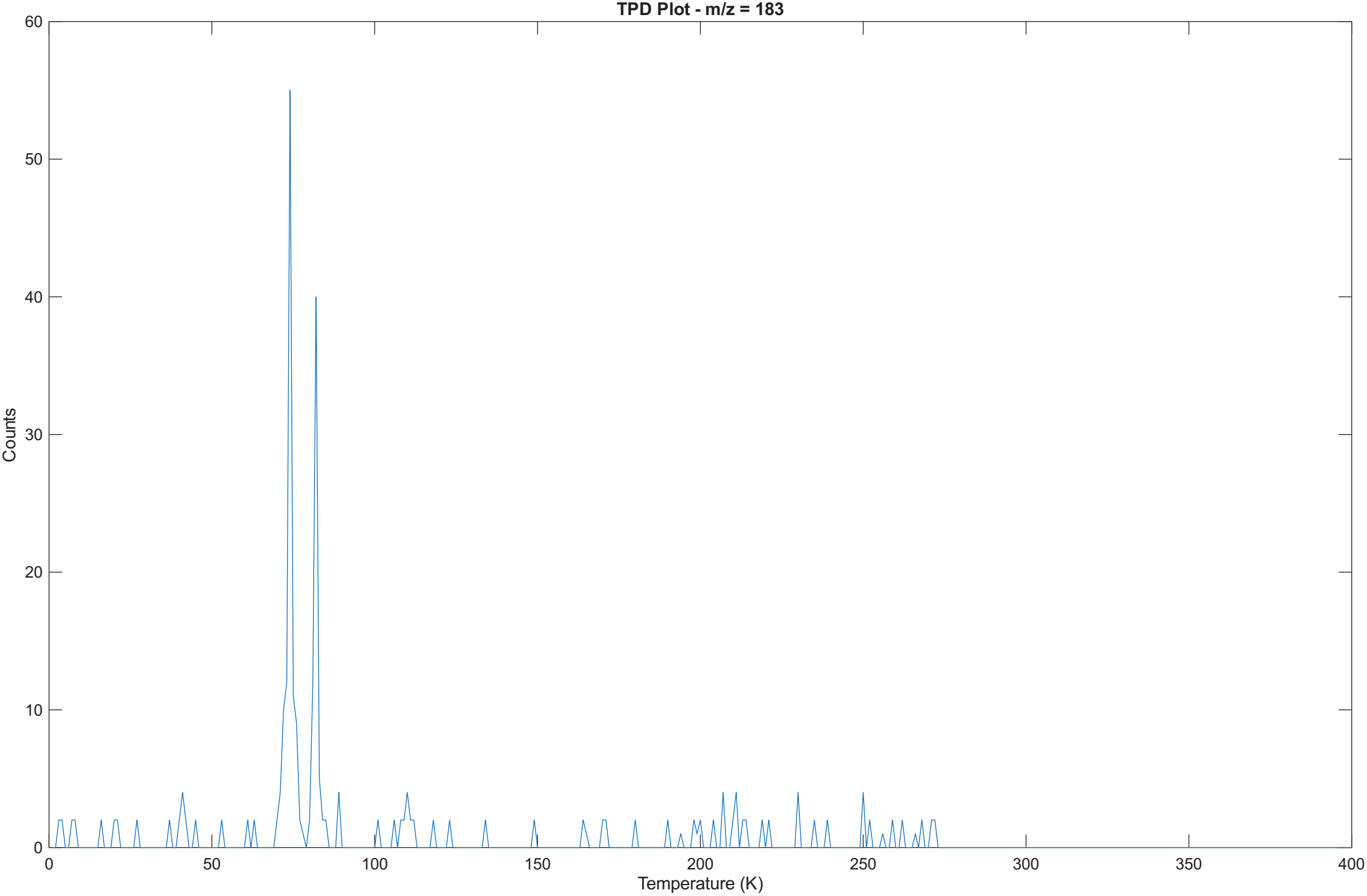

TPD Plot - m/z = 178
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

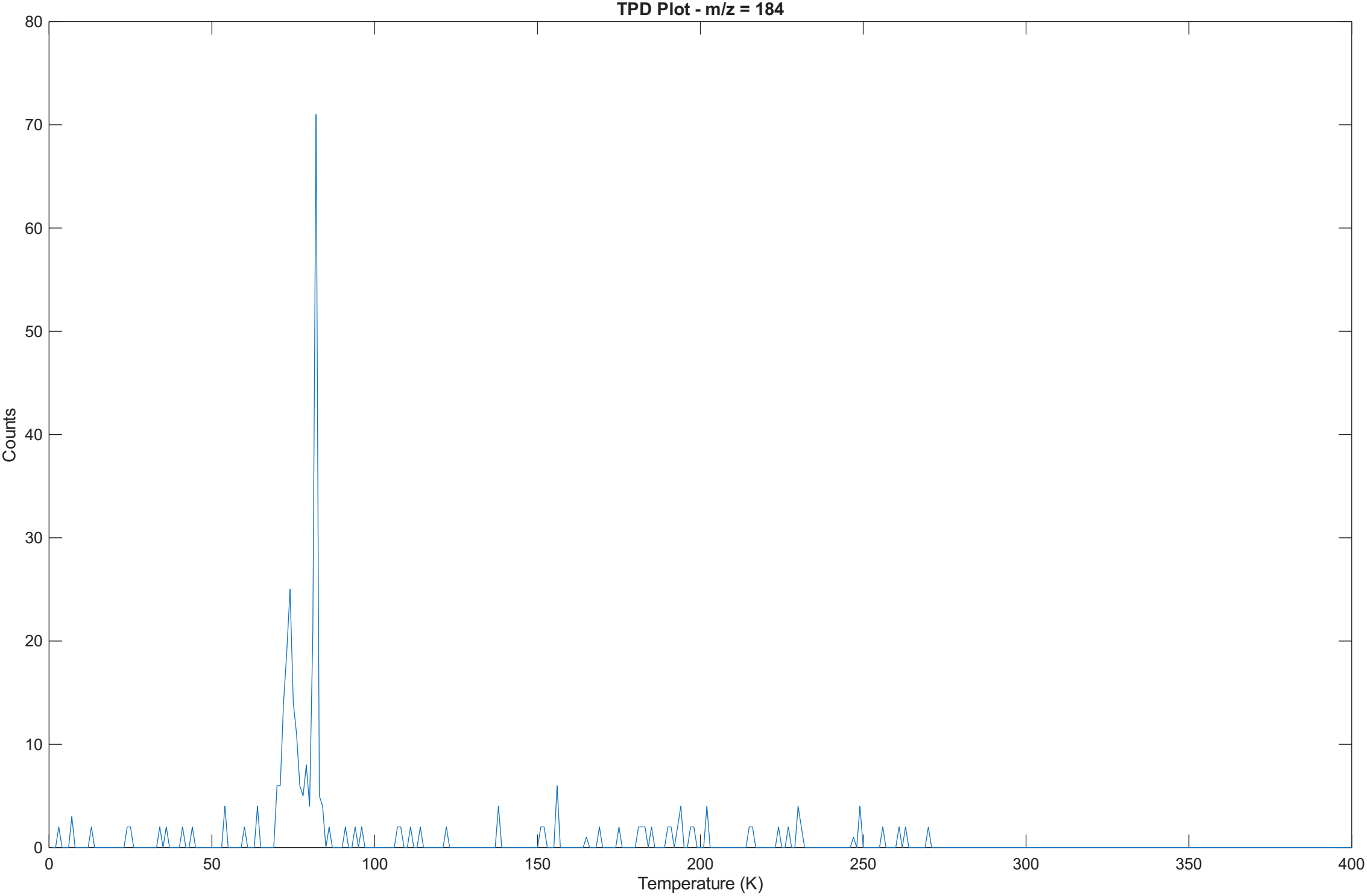

TPD Plot - m/z = 179
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

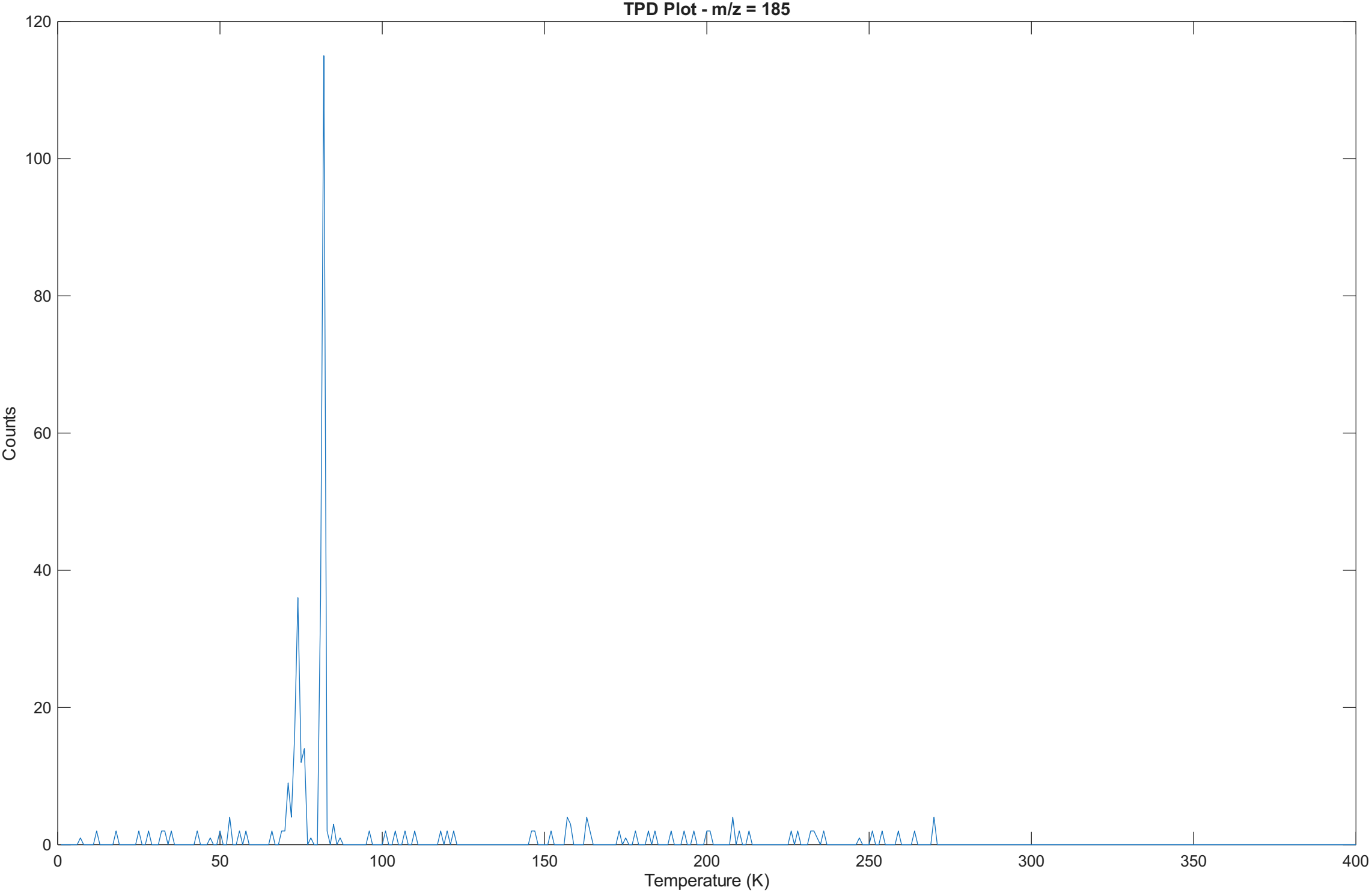

TPD Plot - m/z = 180
Counts
Temperature (K)
0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400

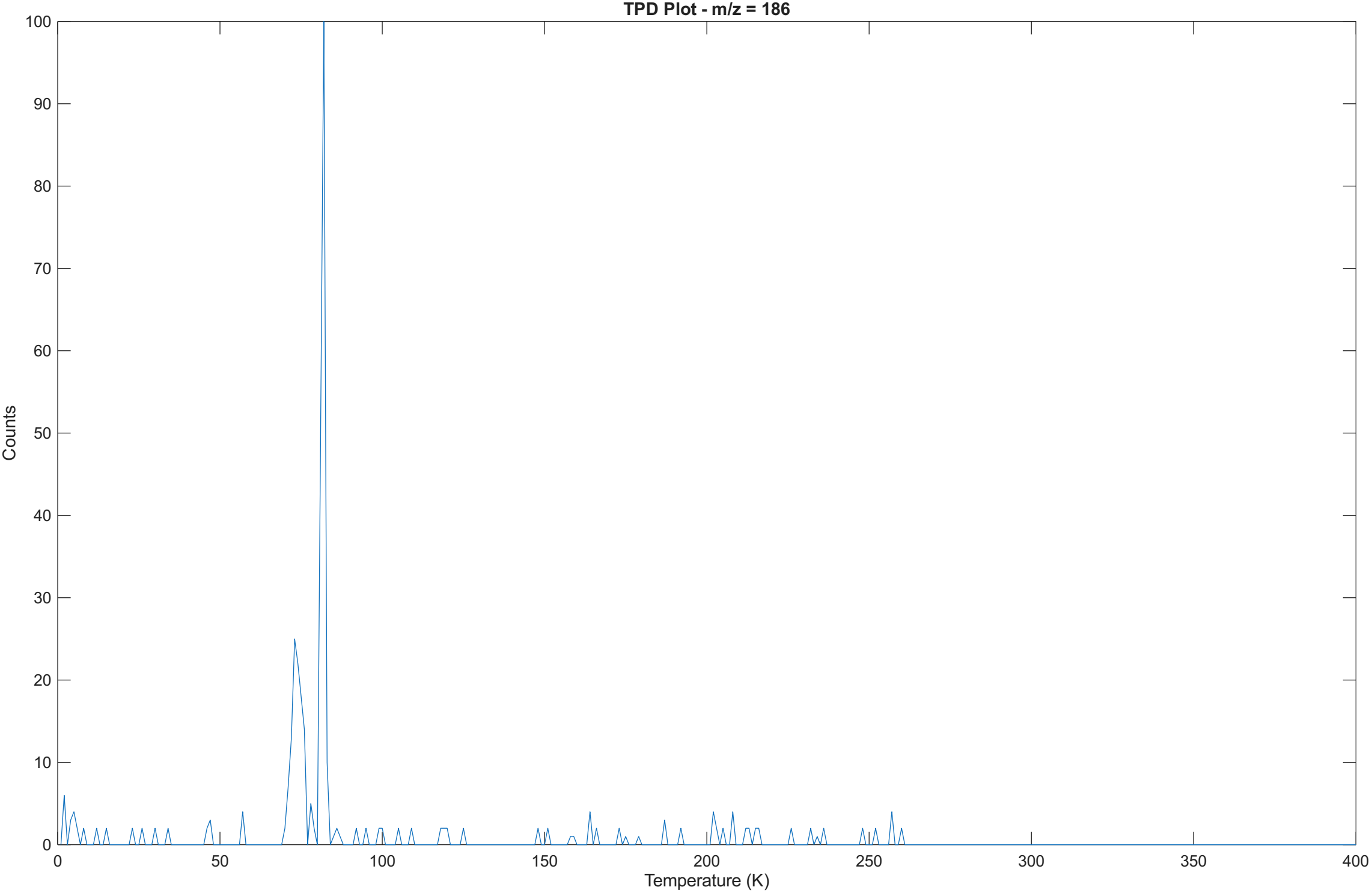

TPD Plot - m/z = 181
Counts
Temperature (K)
0
5
10
15
20
25
0
50
100
150
200
250
300
350
400

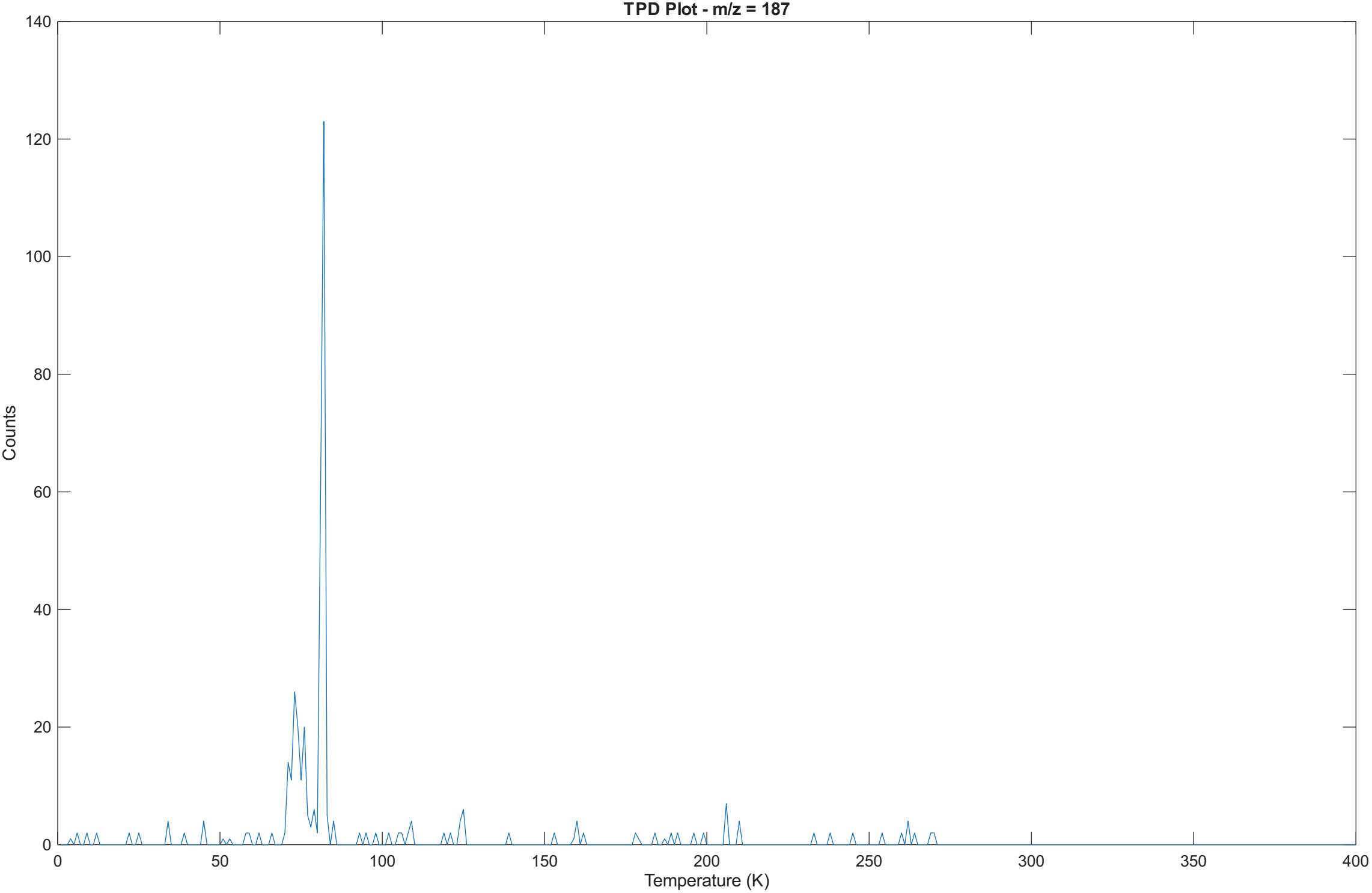

TPD Plot - m/z = 182
Counts
Temperature (K)
0
5
10
15
20
25
30
35
40
0
50
100
150
200
250
300
350
400

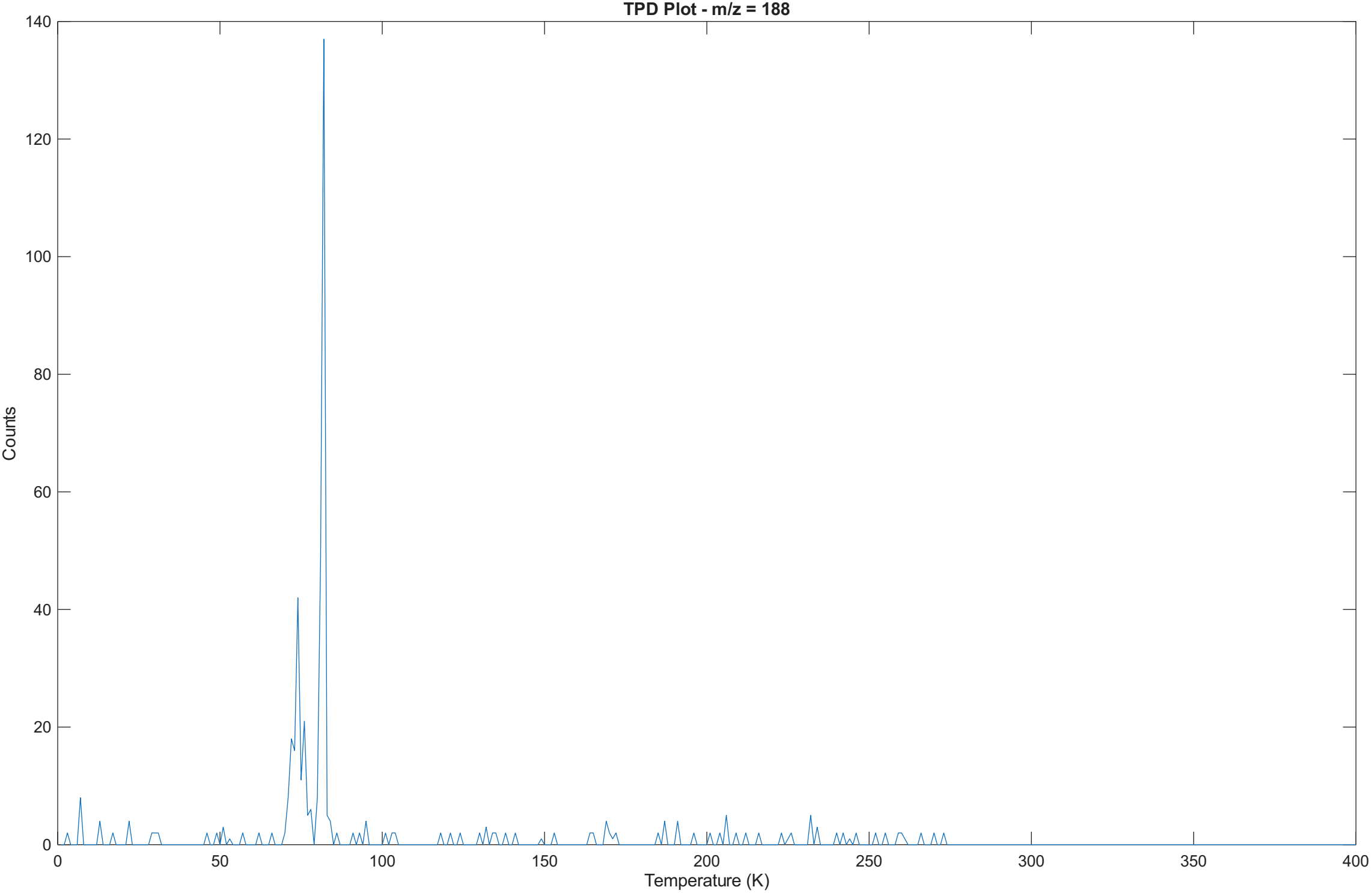

TPD Plot - m/z = 183
Counts
Temperature (K)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
350
400

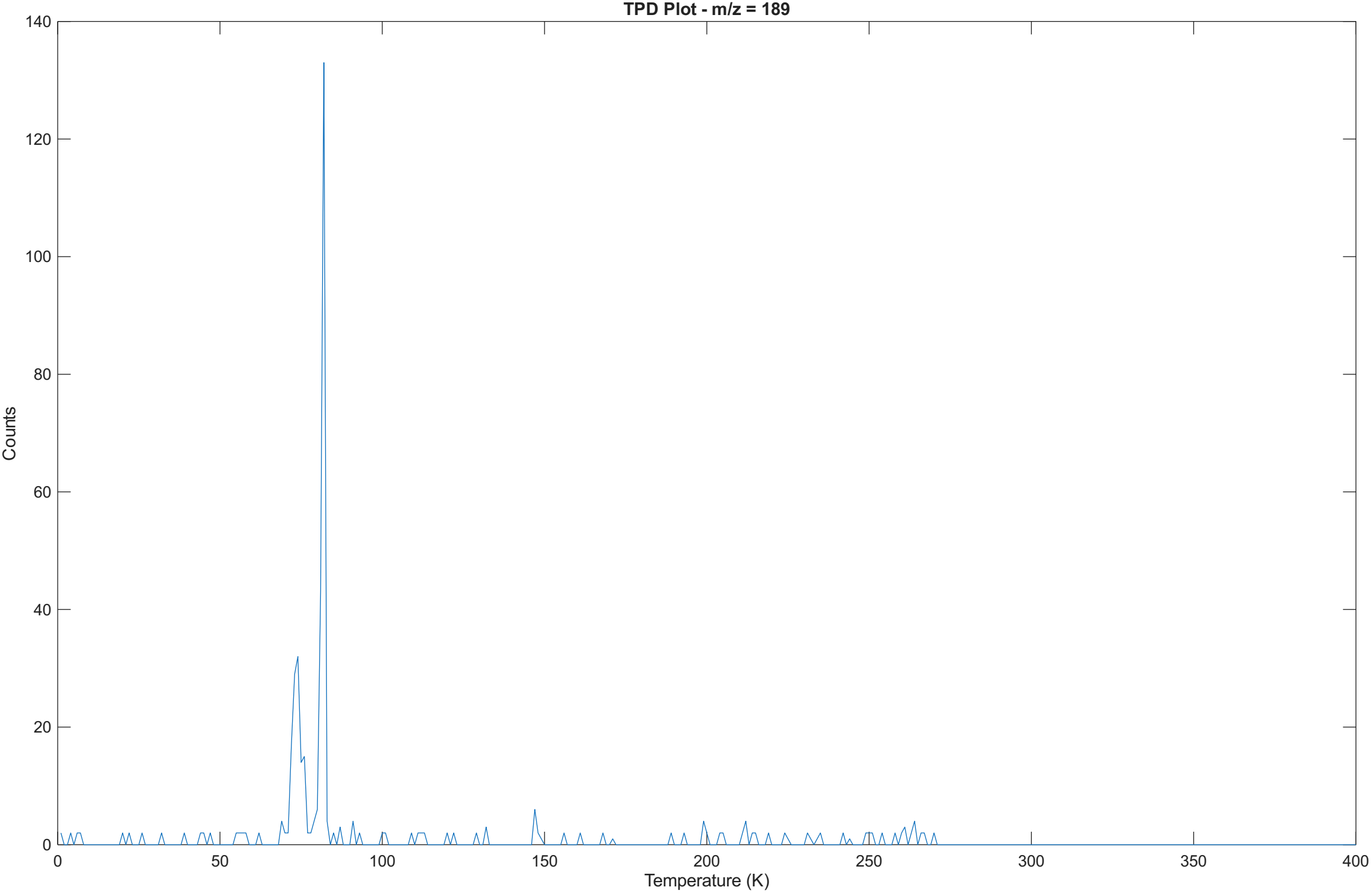

TPD Plot - m/z = 184
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
0
50
100
150
200
250
300
350
400

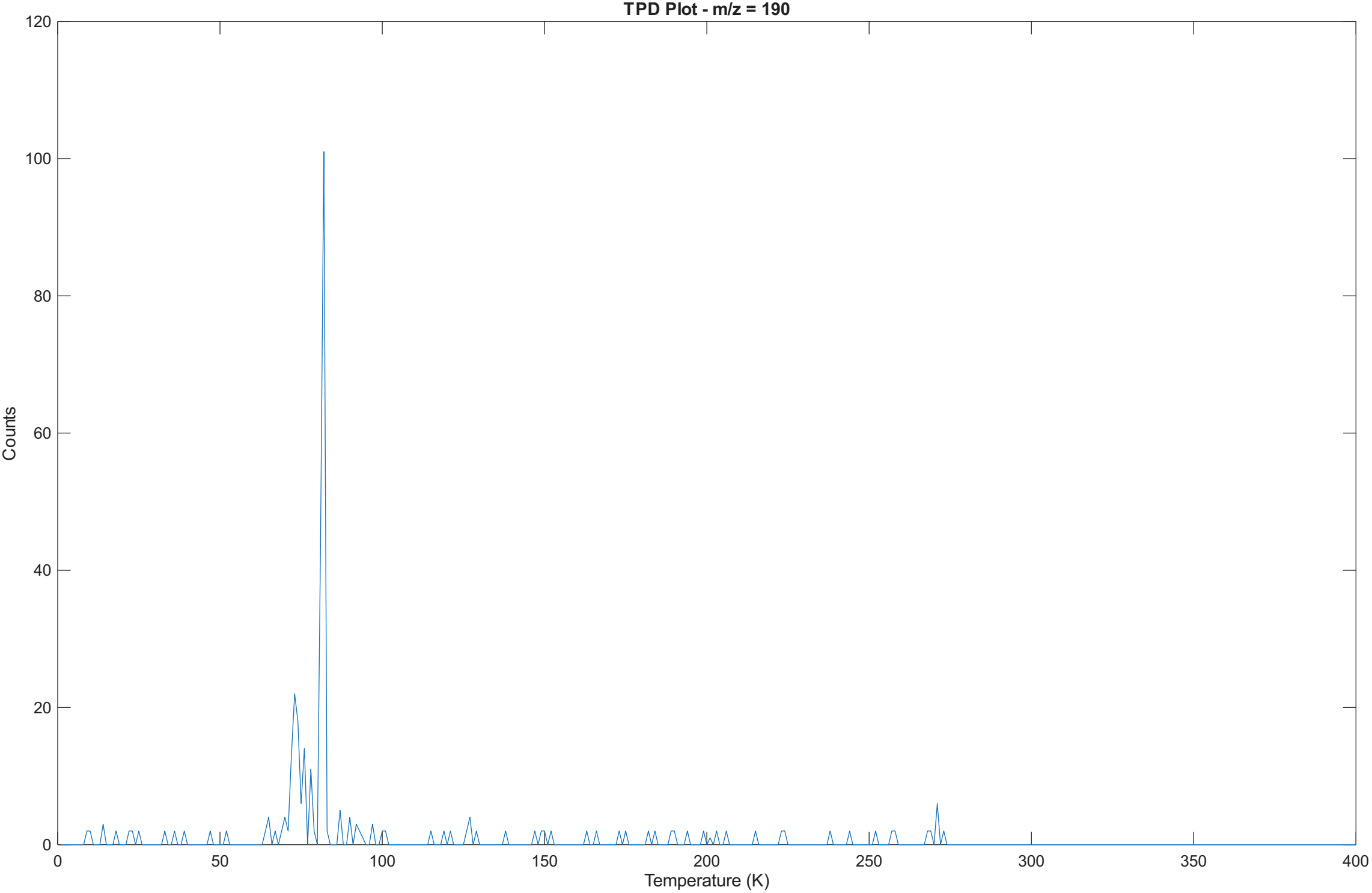

TPD Plot - m/z = 185
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

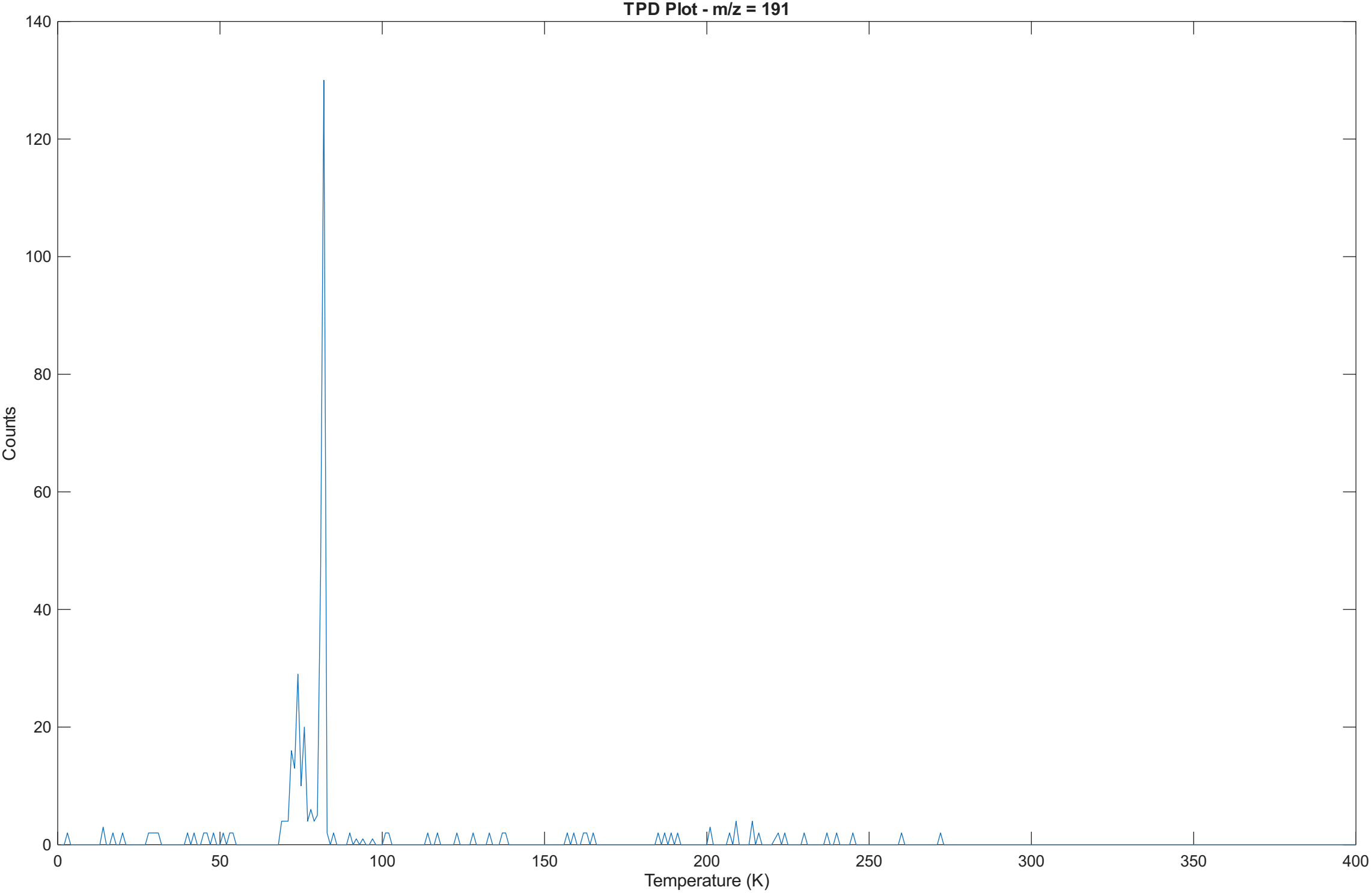

TPD Plot - m/z = 186
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
100
0
50
100
150
200
250
300
350
400

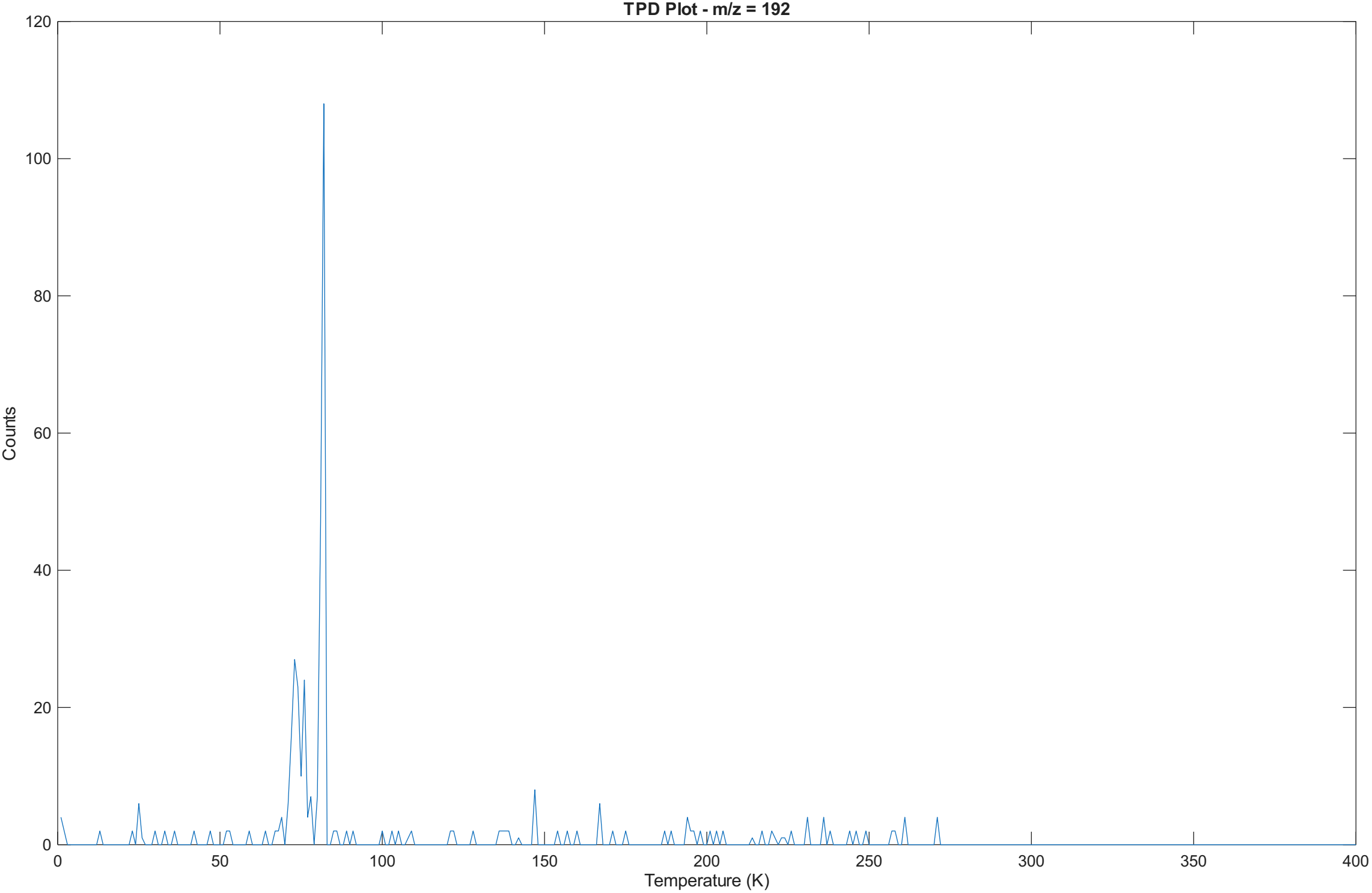

TPD Plot - m/z = 187
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

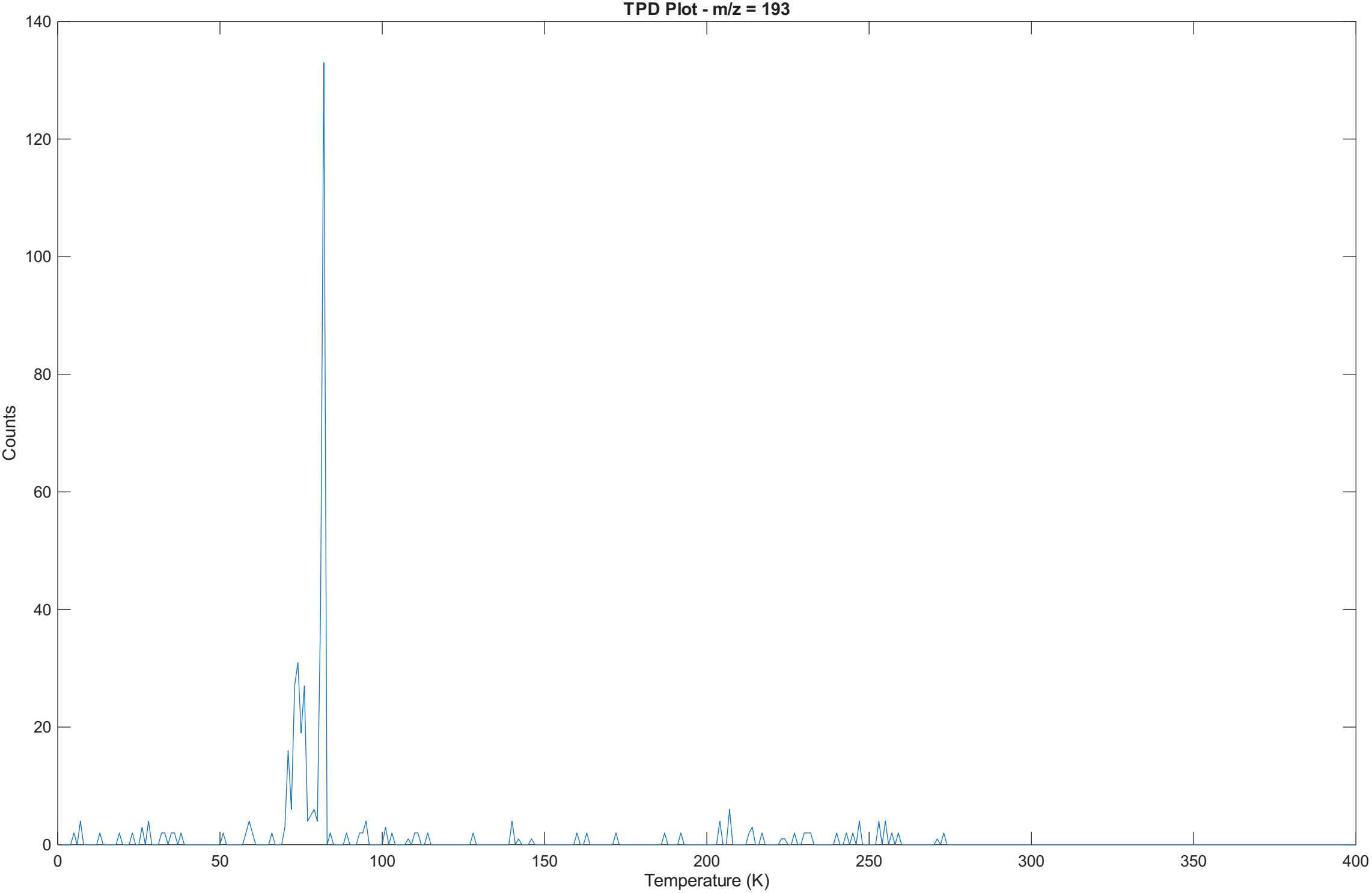

TPD Plot - m/z = 188
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

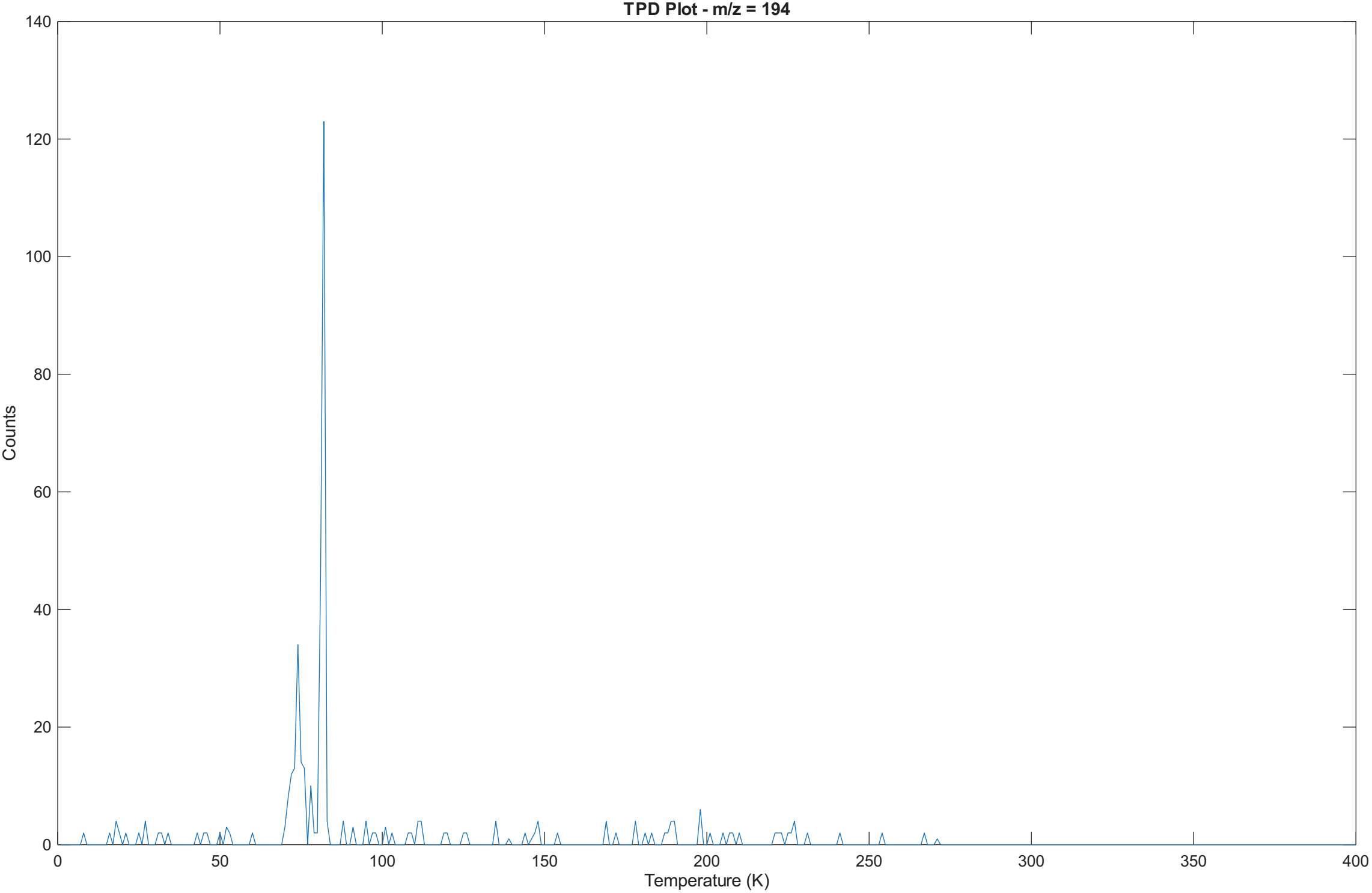

TPD Plot - m/z = 189
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

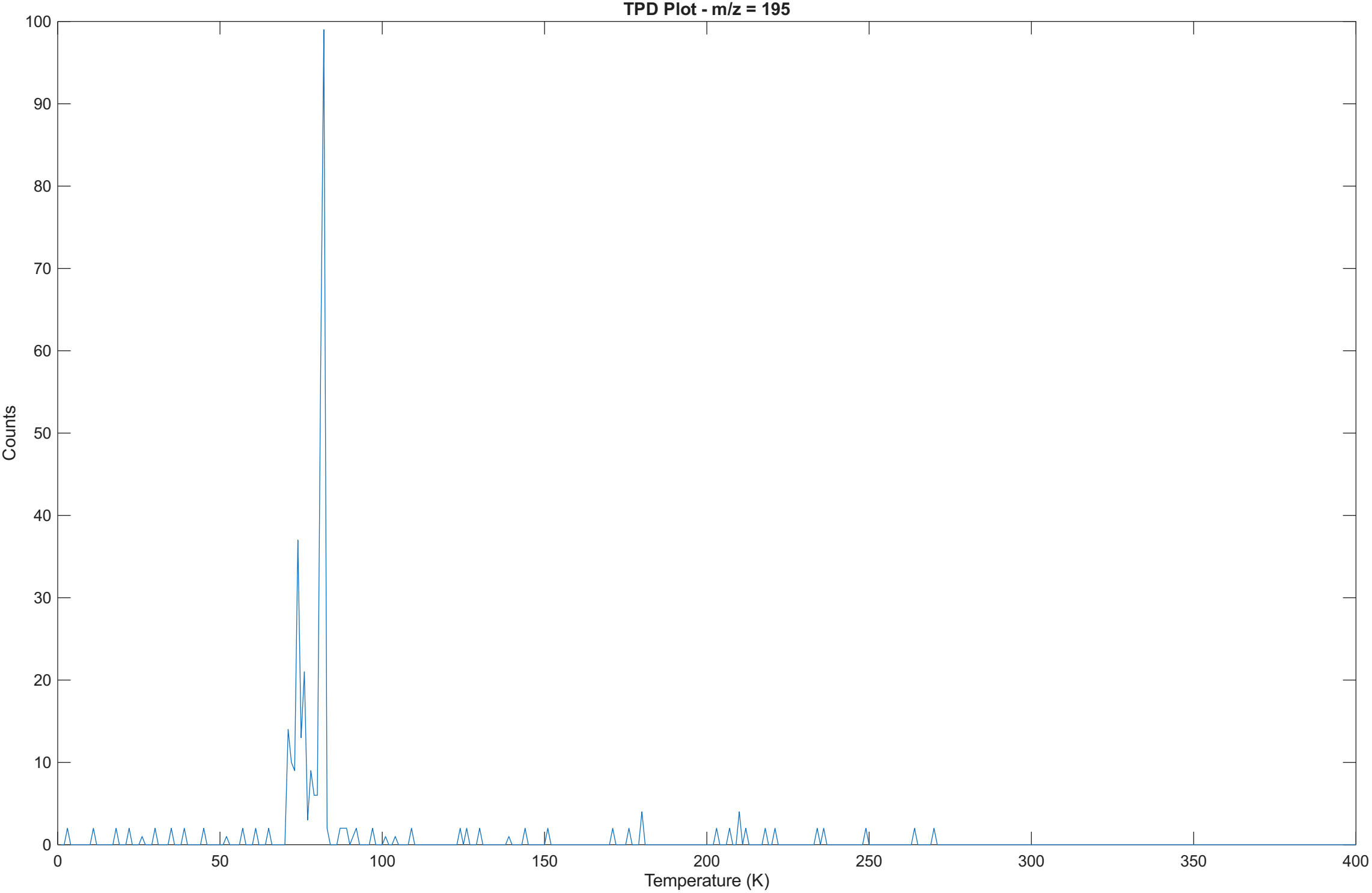

TPD Plot - m/z = 190
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

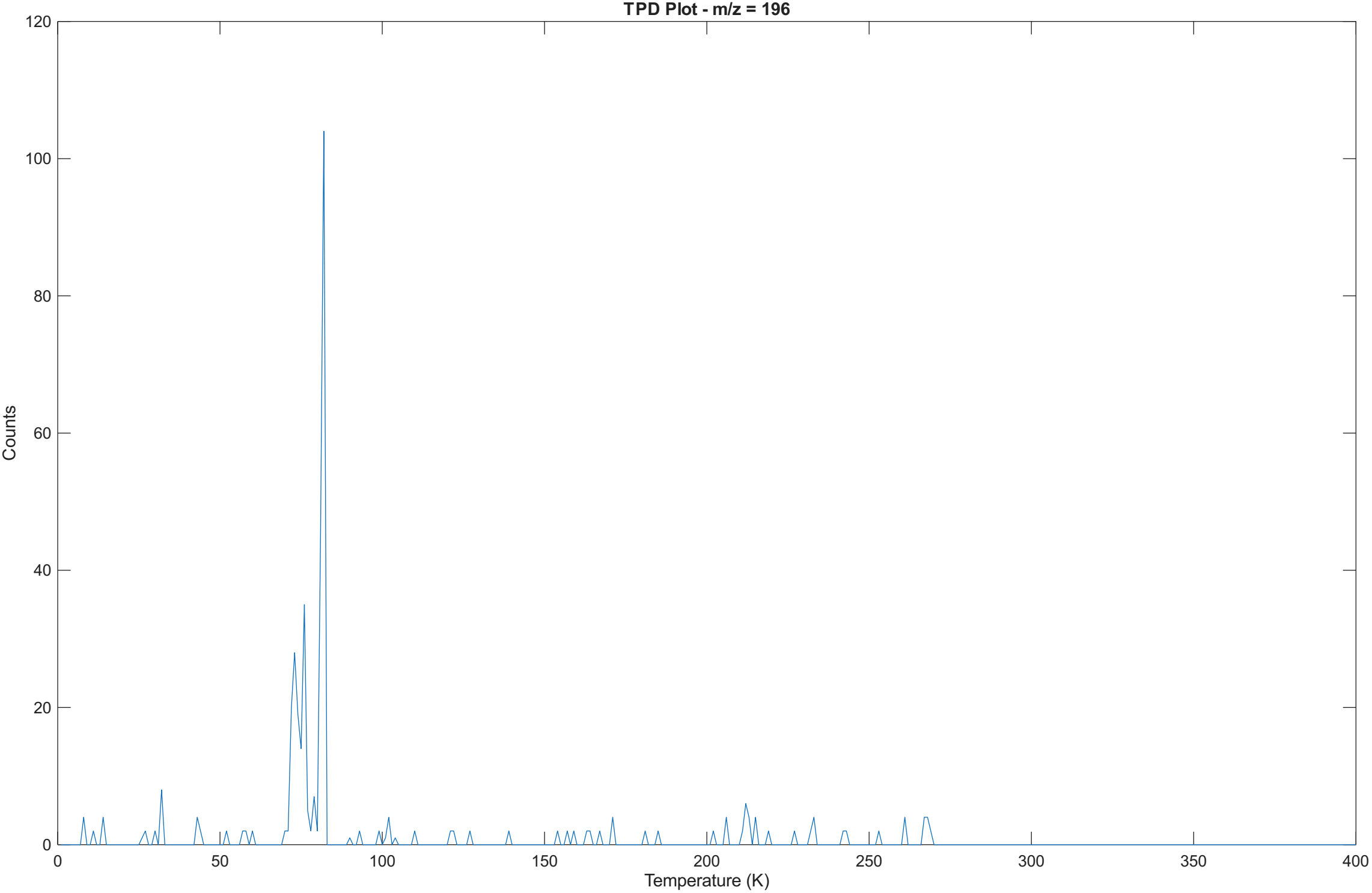

TPD Plot - m/z = 191
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

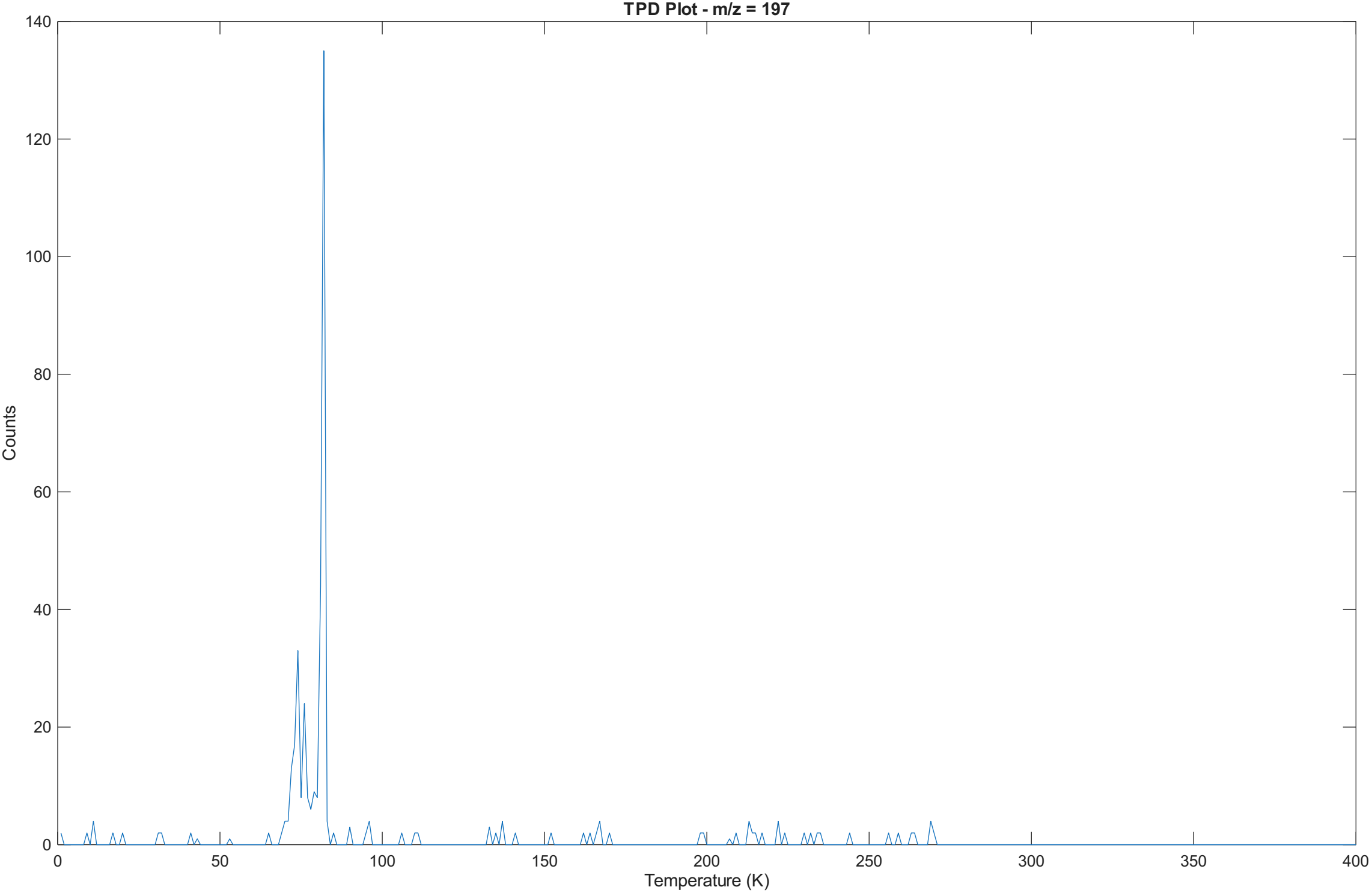

TPD Plot - m/z = 192
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400

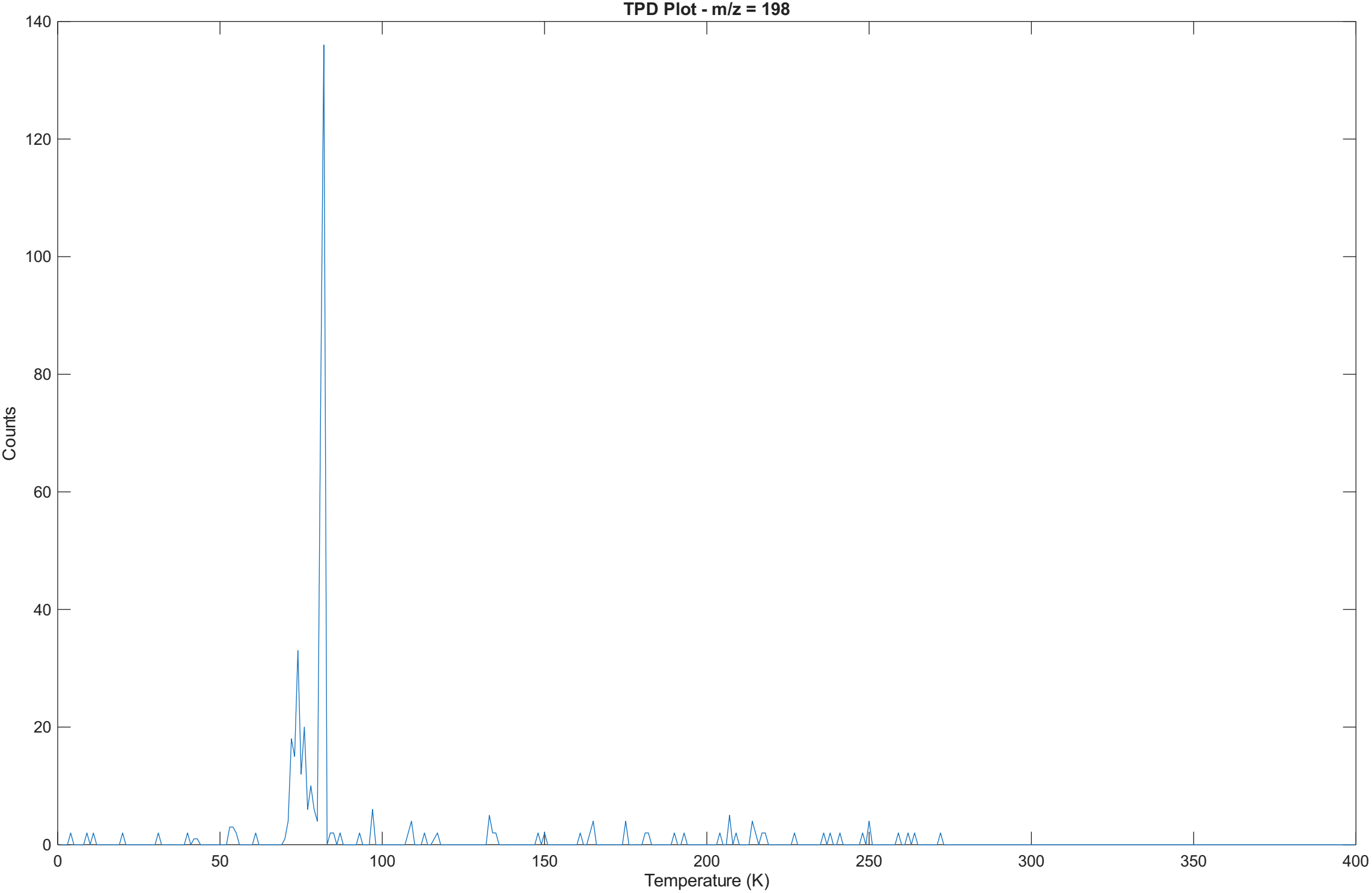

TPD Plot - m/z = 193
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

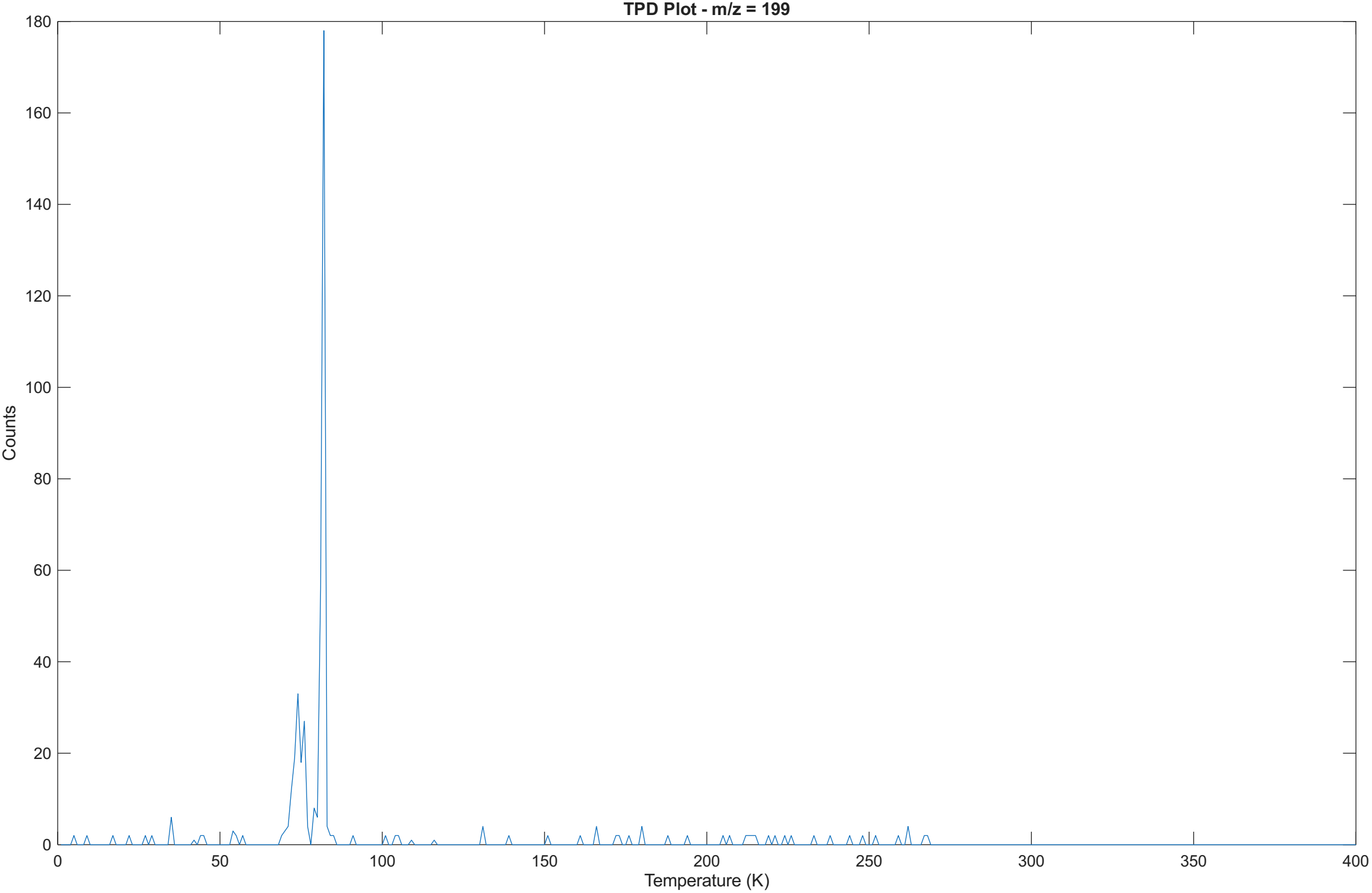

TPD Plot - m/z = 194
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400

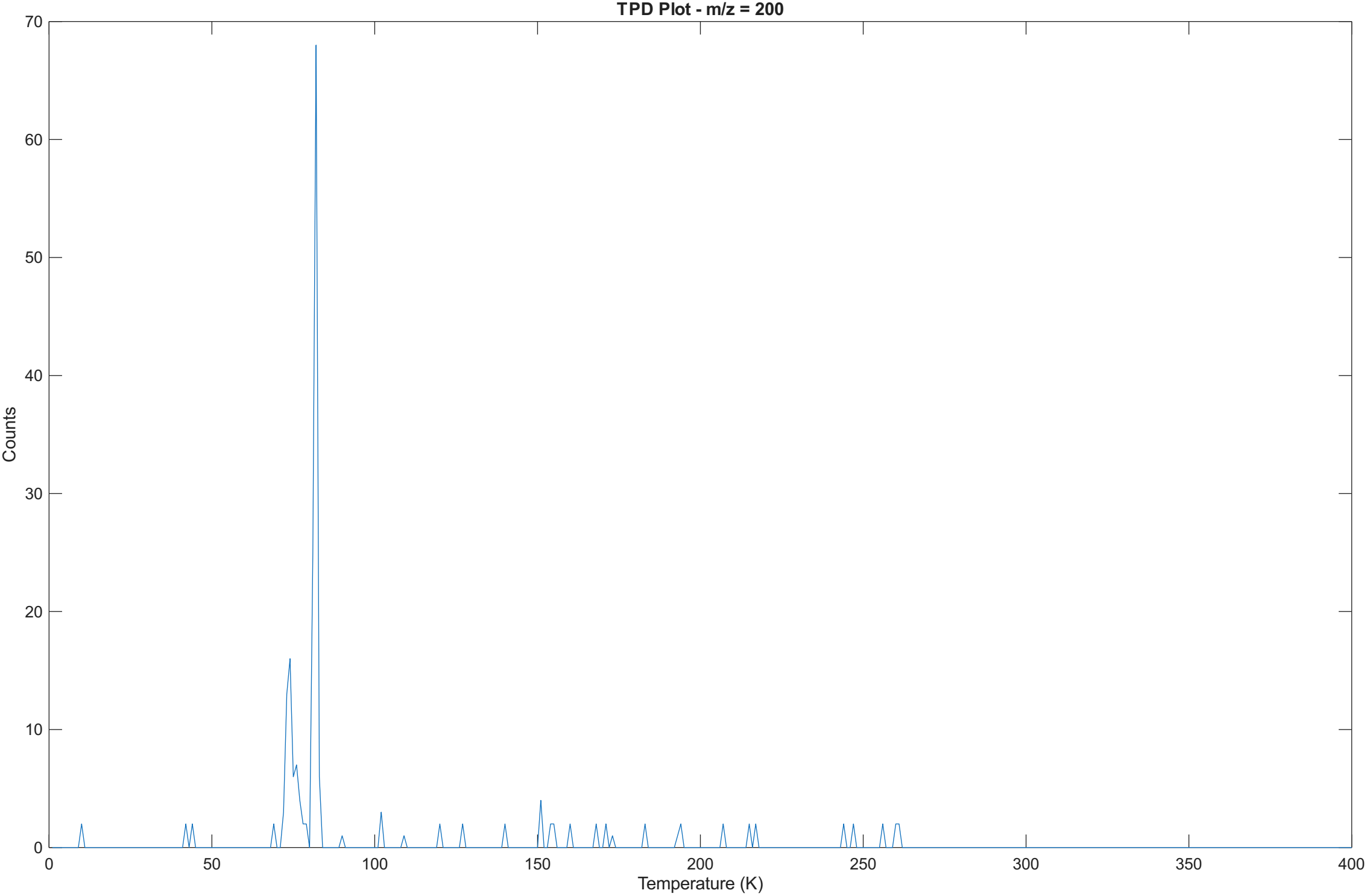

TPD Plot - m/z = 195
Counts
Temperature (K)
0
10
20
30
40
50
60
70
80
90
100
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 196
Counts
Temperature (K)
0
20
40
60
80
100
120
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 197
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 198
Counts
Temperature (K)
0
20
40
60
80
100
120
140
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 199
Counts
Temperature (K)
0
20
40
60
80
100
120
140
160
180
0
50
100
150
200
250
300
350
400


TPD Plot - m/z = 200
Counts
Temperature (K)
0
10
20
30
40
50
60
70
0
50
100
150
200
250
300
350
400