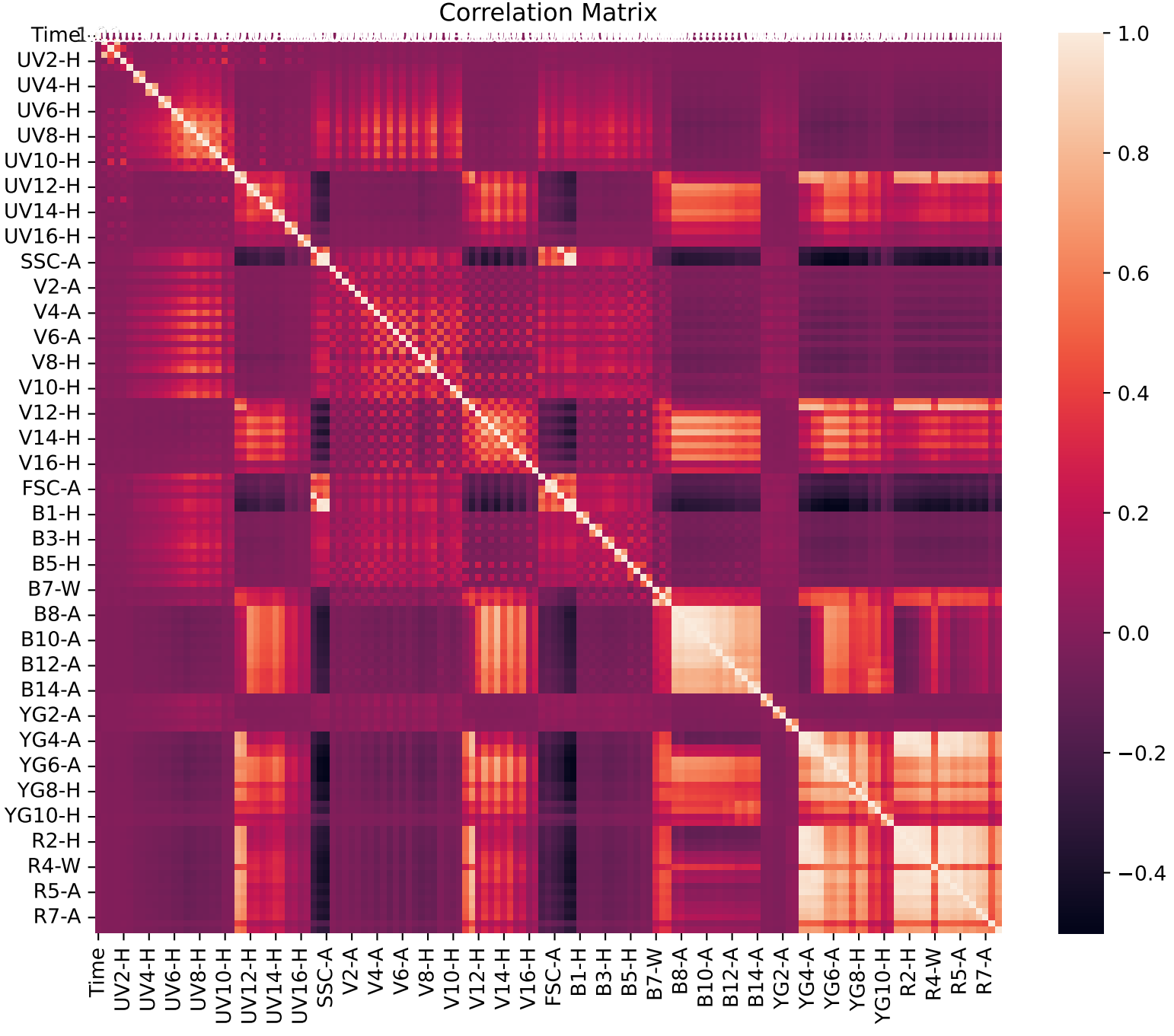
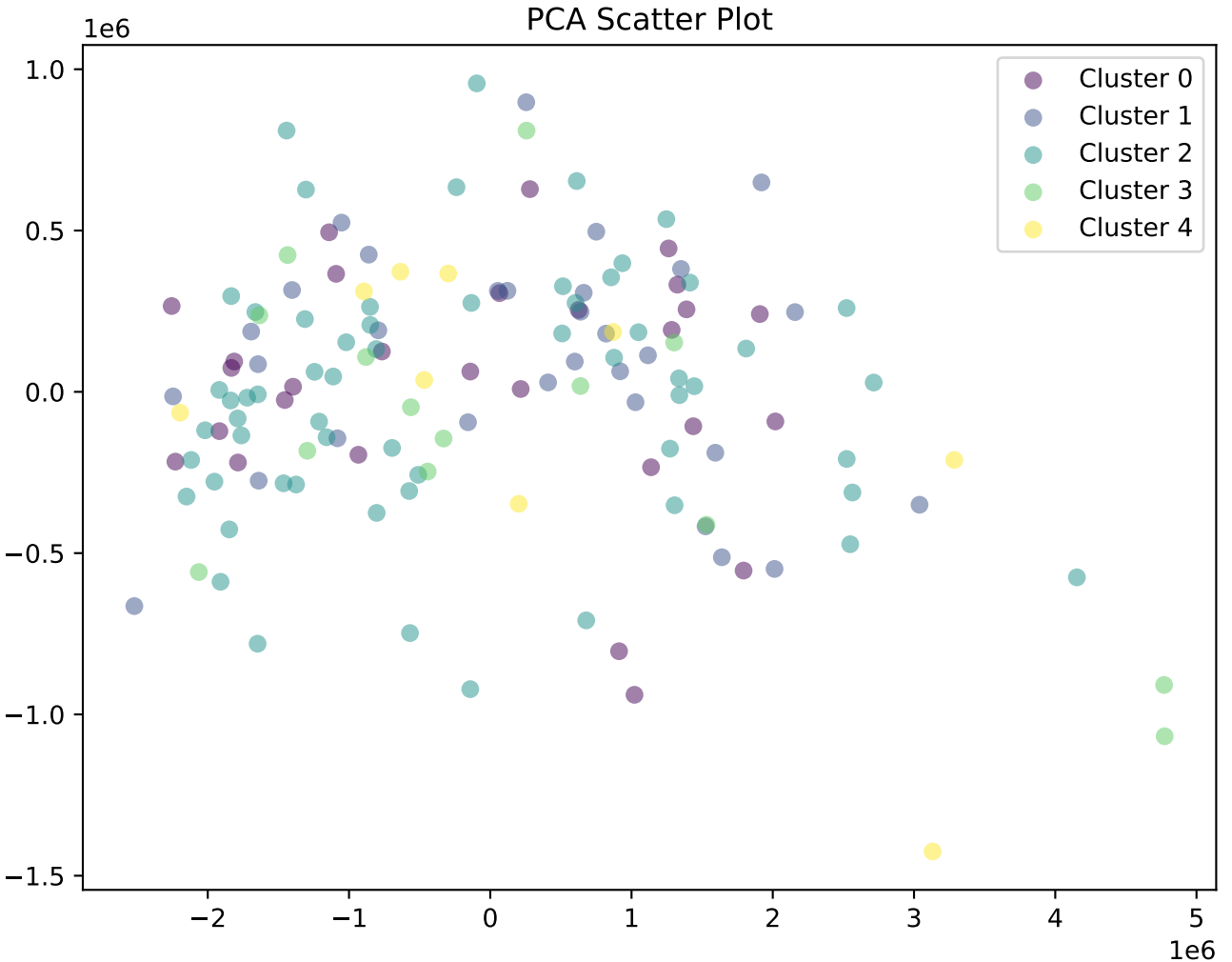
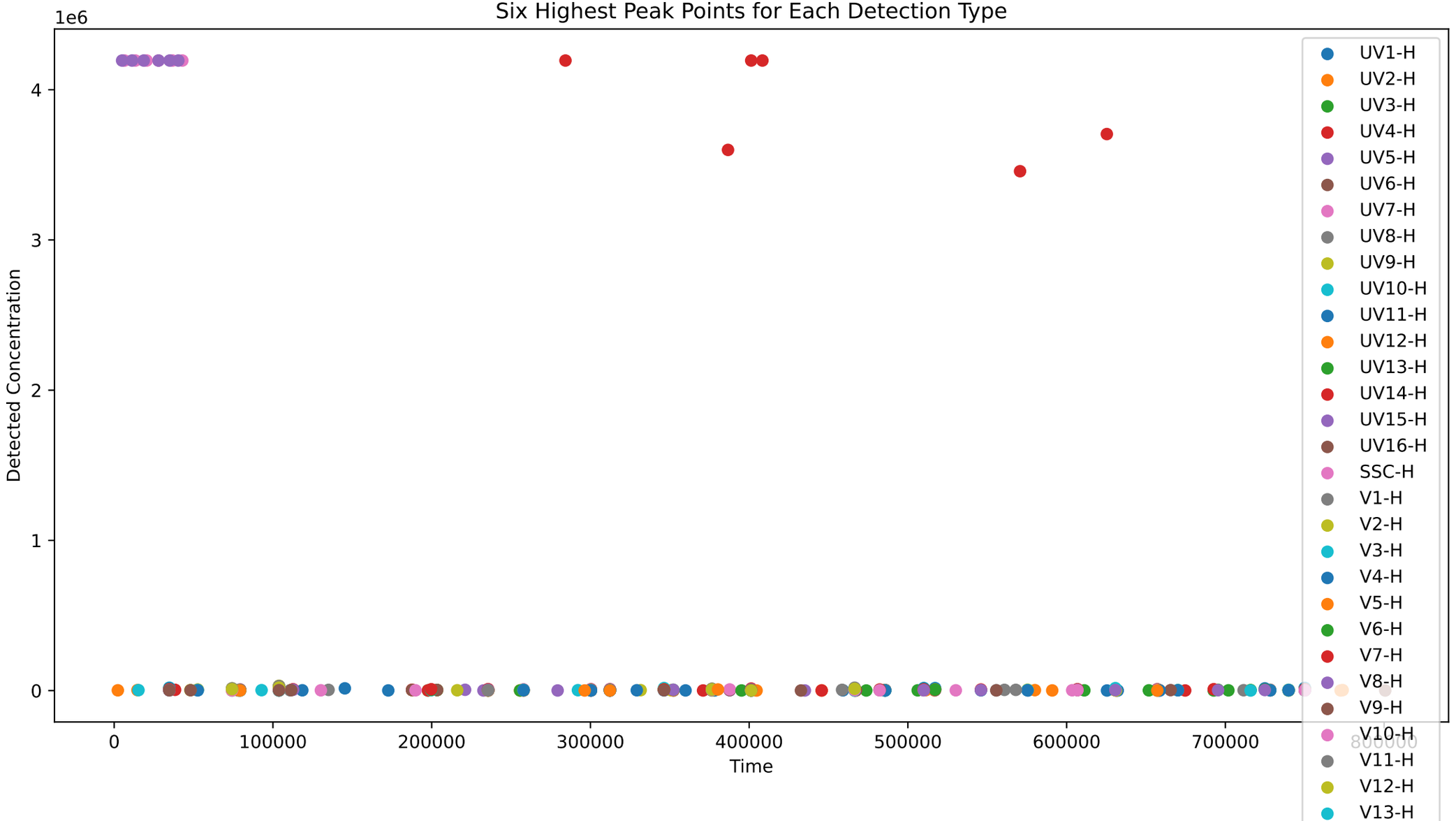
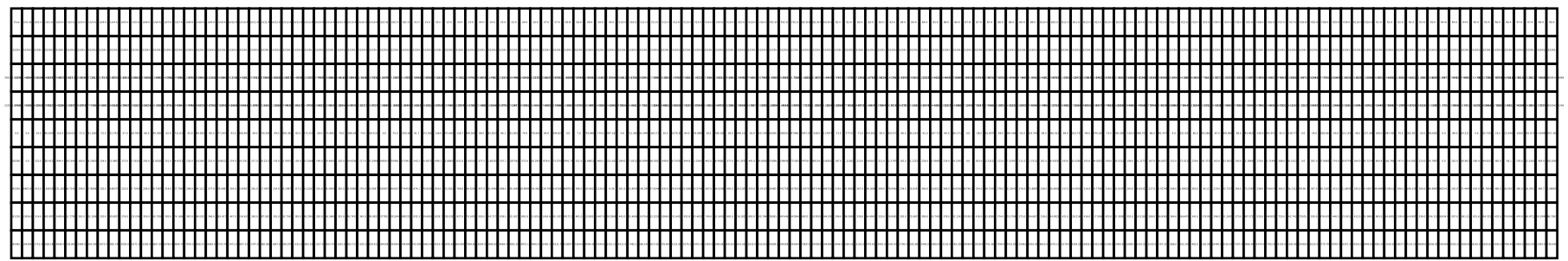
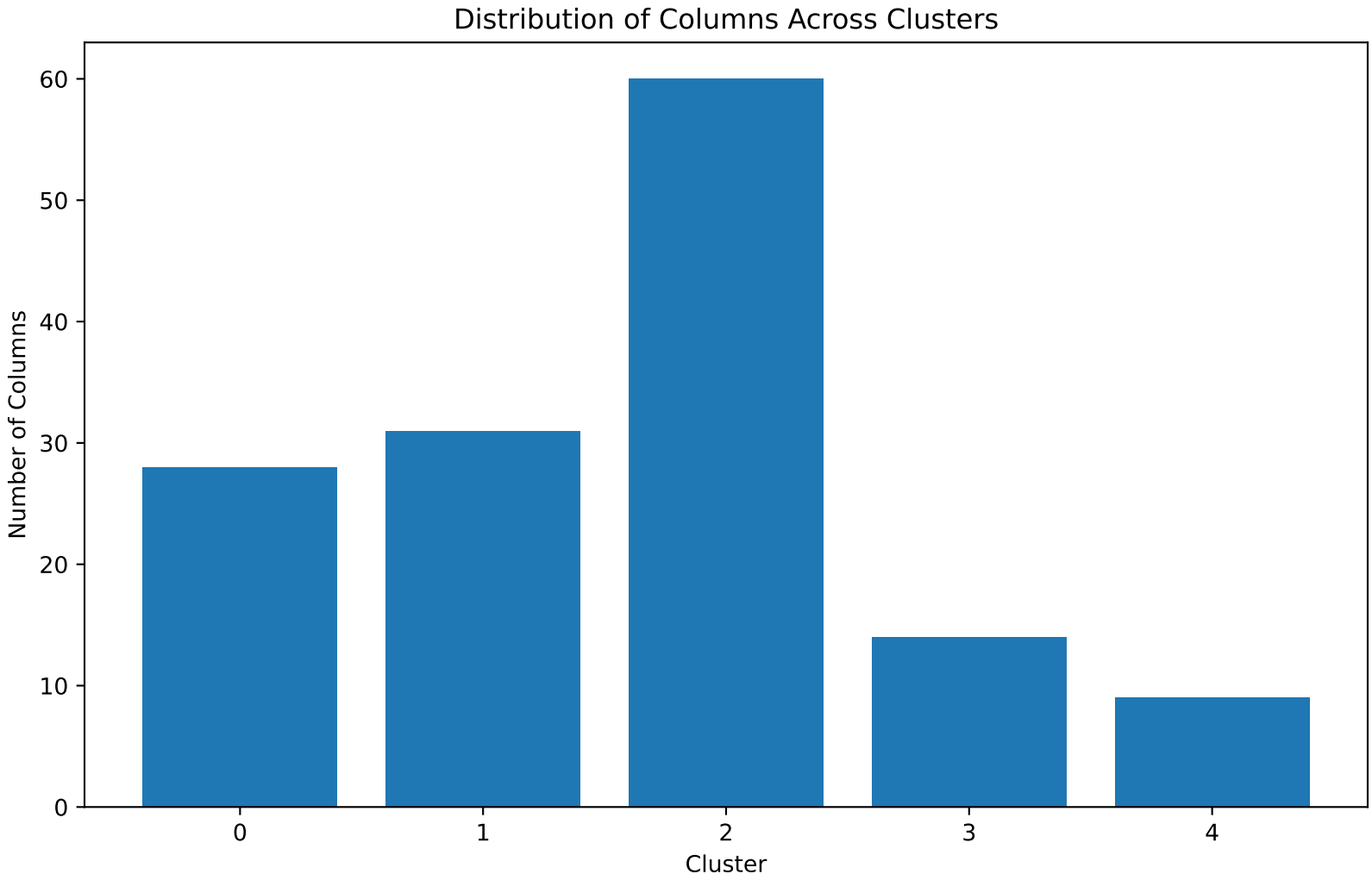
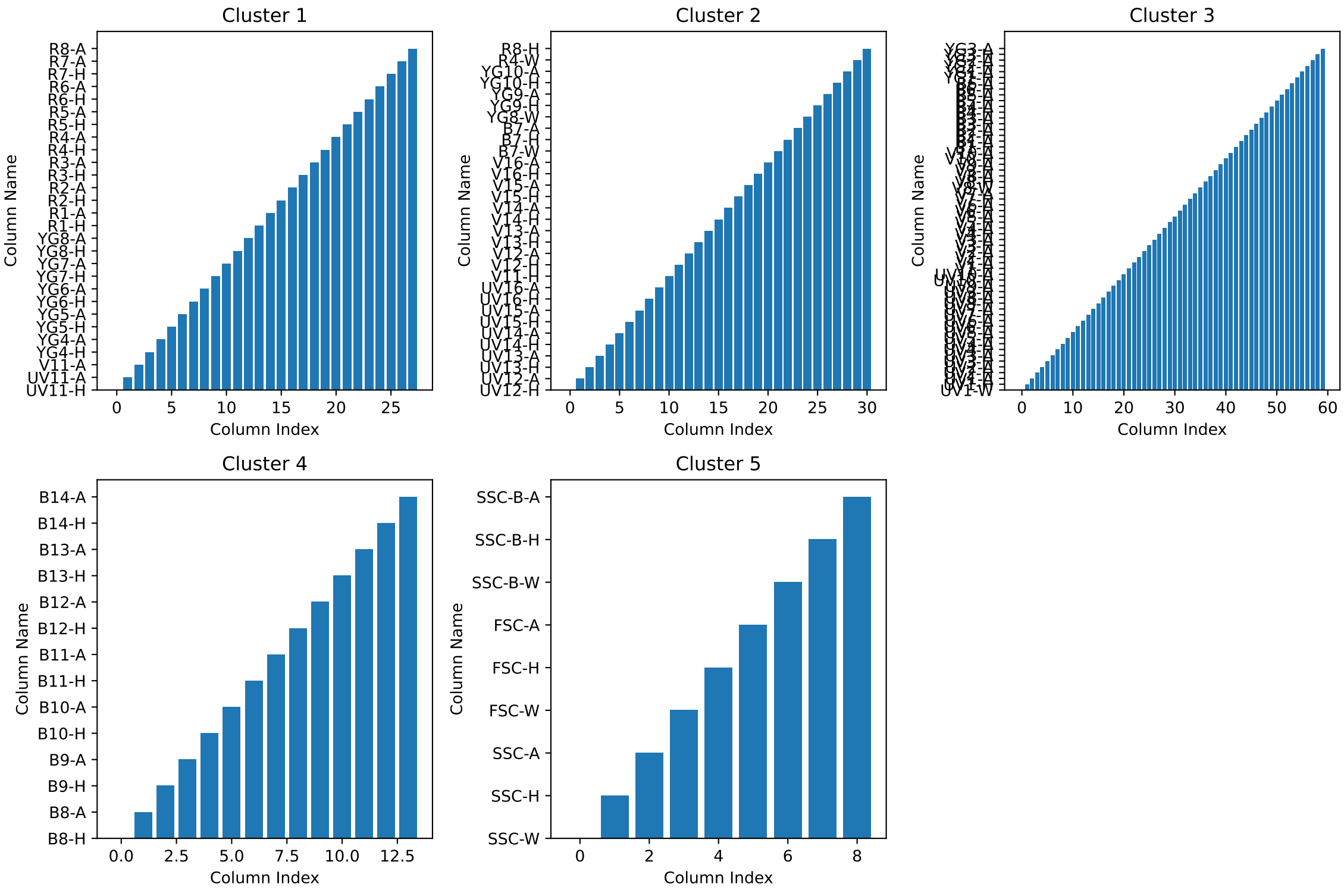

Correlation Matrix
Time
UV2-H
UV4-H
UV6-H
UV8-H
UV10-H
UV12-H
UV14-H
UV16-H
SSC-A
V2-A
V4-A
V6-A
V8-H
V10-H
V12-H
V14-H
V16-H
FSC-A
B1-H
B3-H
B5-H
B7-W
B8-A
B10-A
B12-A
B14-A
YG2-A
YG4-A
YG6-A
YG8-H
YG10-H
R2-H
R4-W
R5-A
R7-A
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4


PCA Scatter Plot
1e6
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2
−1
0
1
2
3
4
5
1e6
Cluster 0
Cluster 1
Cluster 2
Cluster 3
Cluster 4


Six Highest Peak Points for Each Detection Type
1e6
Detected Concentration
Time
0
100000
200000
300000
400000
500000
600000
700000
800000
1
2
3
4
UV1-H
UV2-H
UV3-H
UV4-H
UV5-H
UV6-H
UV7-H
UV8-H
UV9-H
UV10-H
UV11-H
UV12-H
UV13-H
UV14-H
UV15-H
UV16-H
SSC-H
V1-H
V2-H
V3-H
V4-H
V5-H
V6-H
V7-H
V8-H
V9-H
V10-H
V11-H
V12-H
V13-H




Distribution of Columns Across Clusters
Number of Columns
0
10
20
30
40
50
60
0
1
2
3
4
Cluster


Cluster 1
Column Name
R8-A
R7-A
R7-H
R6-A
R6-H
R5-A
R5-H
R4-A
R4-H
R3-A
R3-H
R2-A
R2-H
R1-A
R1-H
YG8-A
YG8-H
YG7-A
YG7-H
YG6-A
YG6-H
YG5-A
YG5-H
YG4-A
YG4-H
V11-A
UV11-A
UV11-H
0
5
10
15
20
25
Column Index
Cluster 2
Column Name
R8-H
R4-W
YG10-A
YG10-H
YG9-A
YG9-H
YG8-W
B7-A
B7-H
B7-W
V16-A
V16-H
V15-A
V15-H
V14-A
V14-H
V13-A
V13-H
V12-A
V12-H
V11-H
UV16-A
UV16-H
UV15-A
UV15-H
UV14-A
UV14-H
UV13-A
UV13-H
UV12-A
UV12-H
0
5
10
15
20
25
30
Column Index
Cluster 3
Column Name
0
10
20
30
40
50
60
Column Index
Cluster 4
Column Name
B14-A
B14-H
B13-A
B13-H
B12-A
B12-H
B11-A
B11-H
B10-A
B10-H
B9-A
B9-H
B8-A
B8-H
0.0
2.5
5.0
7.5
10.0
12.5
Column Index
Cluster 5
Column Name
SSC-B-A
SSC-B-H
SSC-B-W
FSC-A
FSC-H
FSC-W
SSC-A
SSC-H
SSC-W
0
2
4
6
8
Column Index