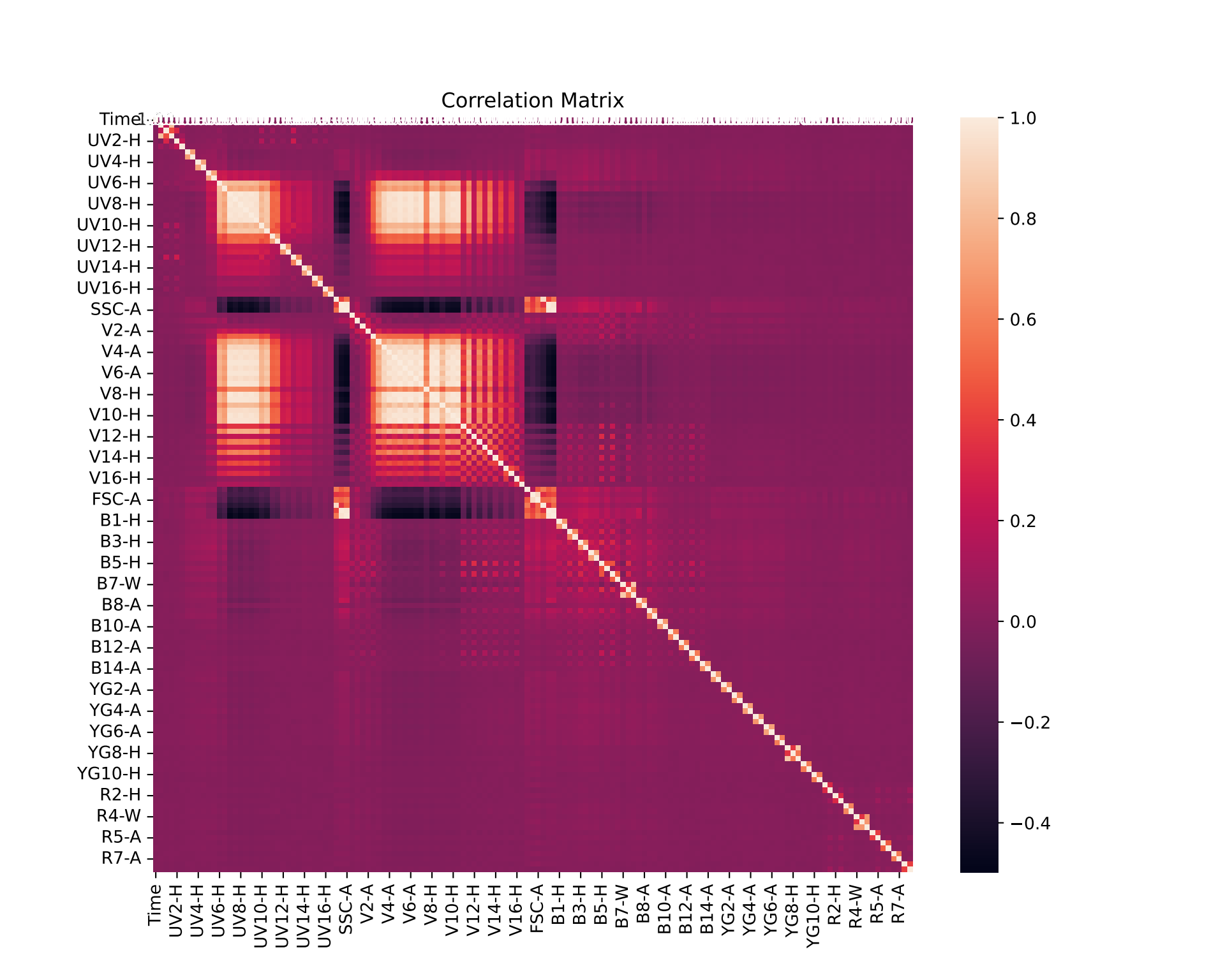
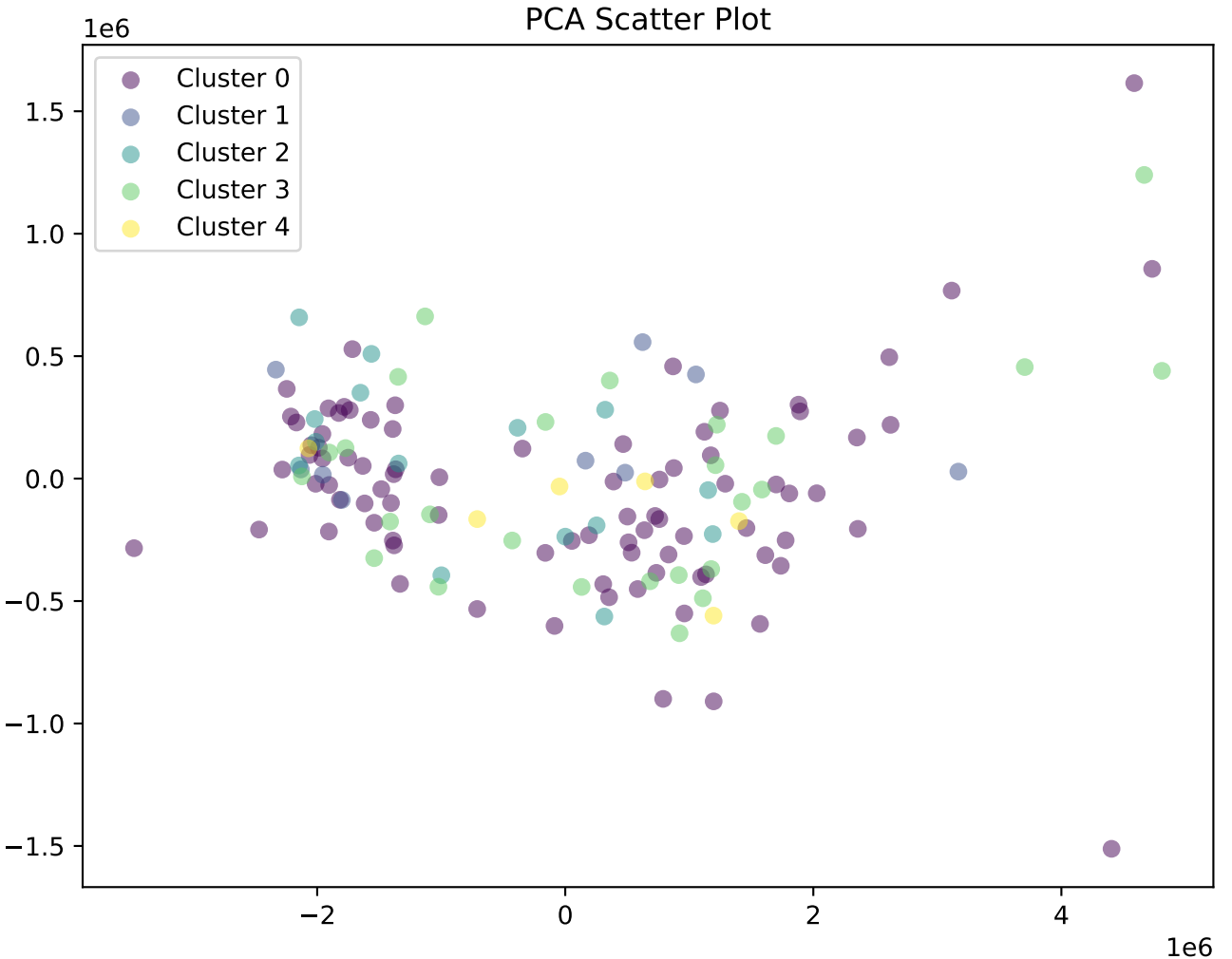
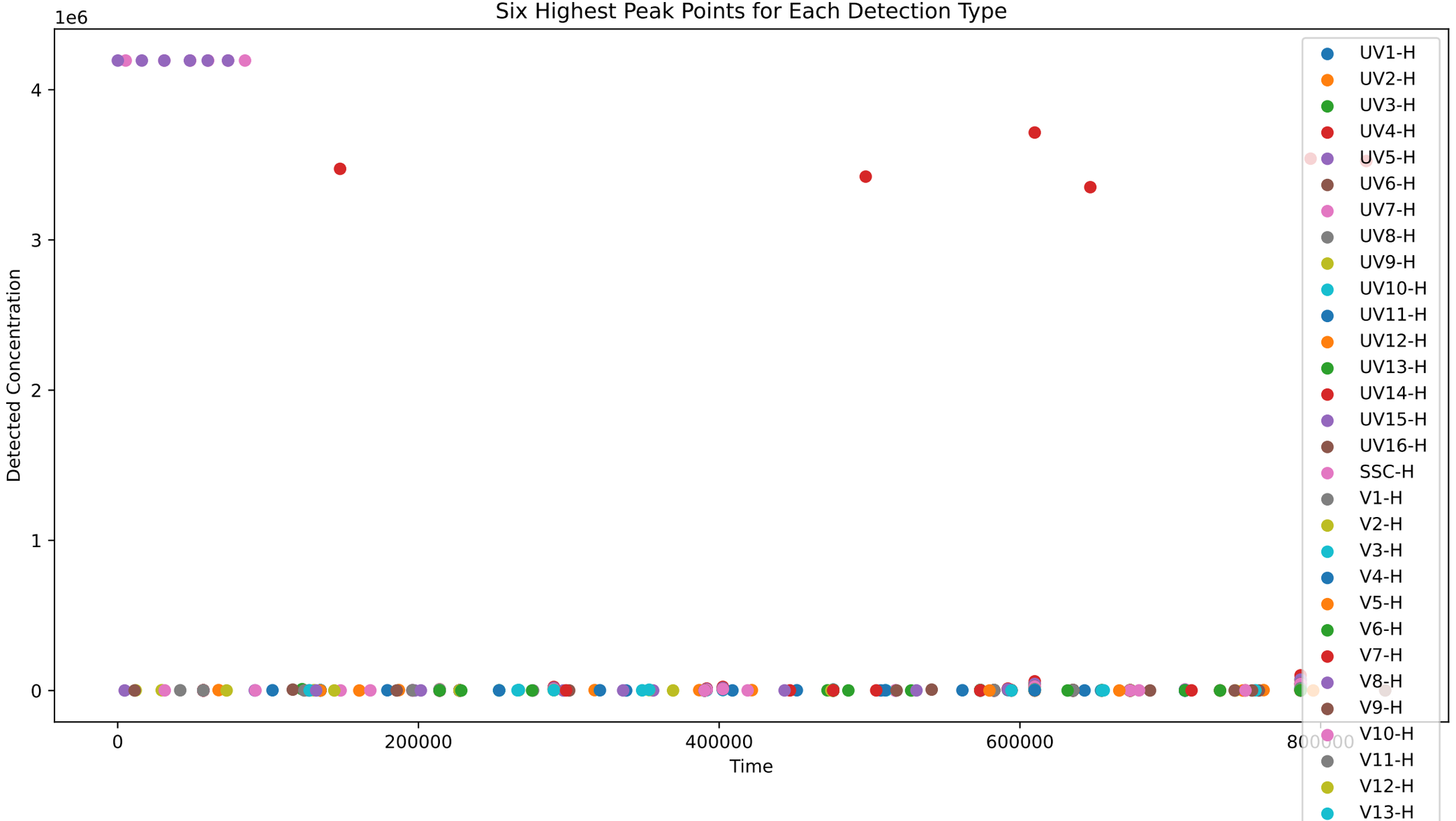
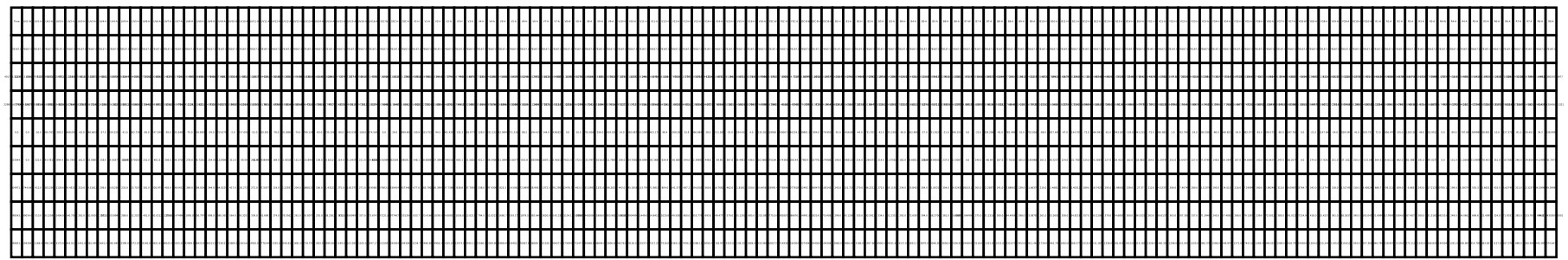
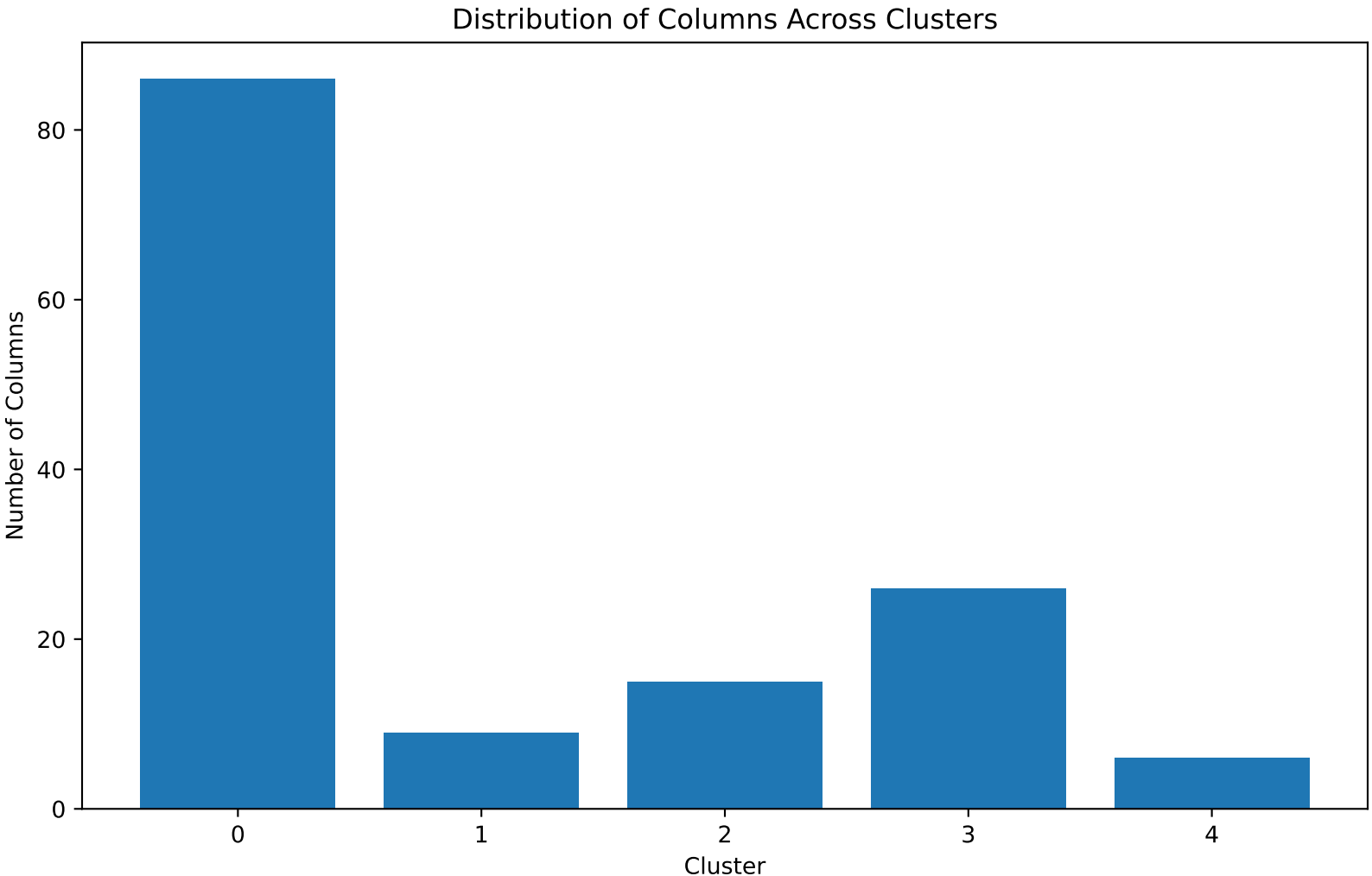
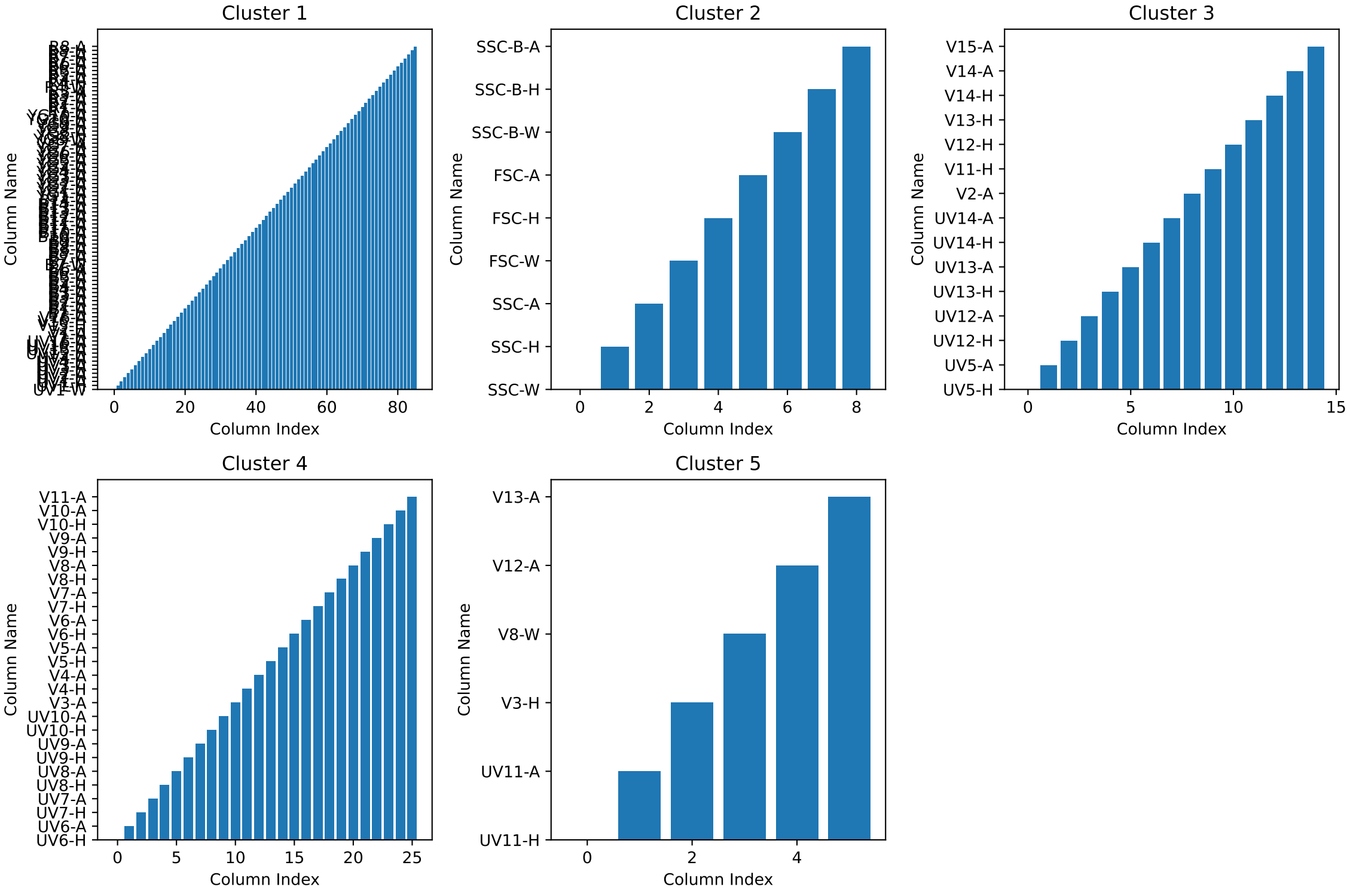

Correlation Matrix
Time
UV2-H
UV4-H
UV6-H
UV8-H
UV10-H
UV12-H
UV14-H
UV16-H
SSC-A
V2-A
V4-A
V6-A
V8-H
V10-H
V12-H
V14-H
V16-H
FSC-A
B1-H
B3-H
B5-H
B7-W
B8-A
B10-A
B12-A
B14-A
YG2-A
YG4-A
YG6-A
YG8-H
YG10-H
R2-H
R4-W
R5-A
R7-A
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4


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


Six Highest Peak Points for Each Detection Type
1e6
Detected Concentration
Time
0
200000
400000
600000
800000
0
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
20
40
60
80
0
1
2
3
4
Cluster


Cluster 1
Column Name
Column Index
0
20
40
60
80
Cluster 2
SSC-B-A
SSC-B-H
SSC-B-W
FSC-A
FSC-H
FSC-W
SSC-A
SSC-H
SSC-W
Column Name
Column Index
0
2
4
6
8
Cluster 3
V15-A
V14-A
V14-H
V13-H
V12-H
V11-H
V2-A
UV14-A
UV14-H
UV13-A
UV13-H
UV12-A
UV12-H
UV5-A
UV5-H
Column Name
Column Index
0
5
10
15
Cluster 4
V11-A
V10-A
V10-H
V9-A
V9-H
V8-A
V8-H
V7-A
V7-H
V6-A
V6-H
V5-A
V5-H
V4-A
V4-H
V3-A
UV10-A
UV10-H
UV9-A
UV9-H
UV8-A
UV8-H
UV7-A
UV7-H
UV6-A
UV6-H
Column Name
Column Index
0
5
10
15
20
25
Cluster 5
V13-A
V12-A
V8-W
V3-H
UV11-A
UV11-H
Column Name
Column Index
0
2
4