In [1]:
```
import pandas as pd
pd.plotting.register_matplotlib_converters()
import matplotlib.pyplot as plt
%matplotlib inline
import numpy as np
import seaborn as sns
```

In [5]:
```
ar = pd.read_csv('../Desktop/DS/AirQuality.csv')
ar
```

Out[5]:

10/03/2004;18.00.00;2	6;1360;150;11	9;1046;166;1056;113;1692;1268;13	6;4
10/03/2004;19.00.00;2;1292;112;9	4;955;103;1174;92;1559;972;13	3;47	7
10/03/2004;20.00.00;2	2;1402;88;9	0;939;131;1140;114;1555;1074;11	9;5
10/03/2004;21.00.00;2	2;1376;80;9	2;948;172;1092;122;1584;1203;11	0;(
10/03/2004;22.00.00;1	6;1272;51;6	5;836;131;1205;116;1490;1110;11	2;5
...	...	...	
;;;;;;;;;;;;;;;;	NaN	NaN	Na

9471 rows × 1 columns

In [7]:
```
ar = pd.read_csv('../Desktop/DS/AirQuality.csv',sep=';')
ar.head(143)
```

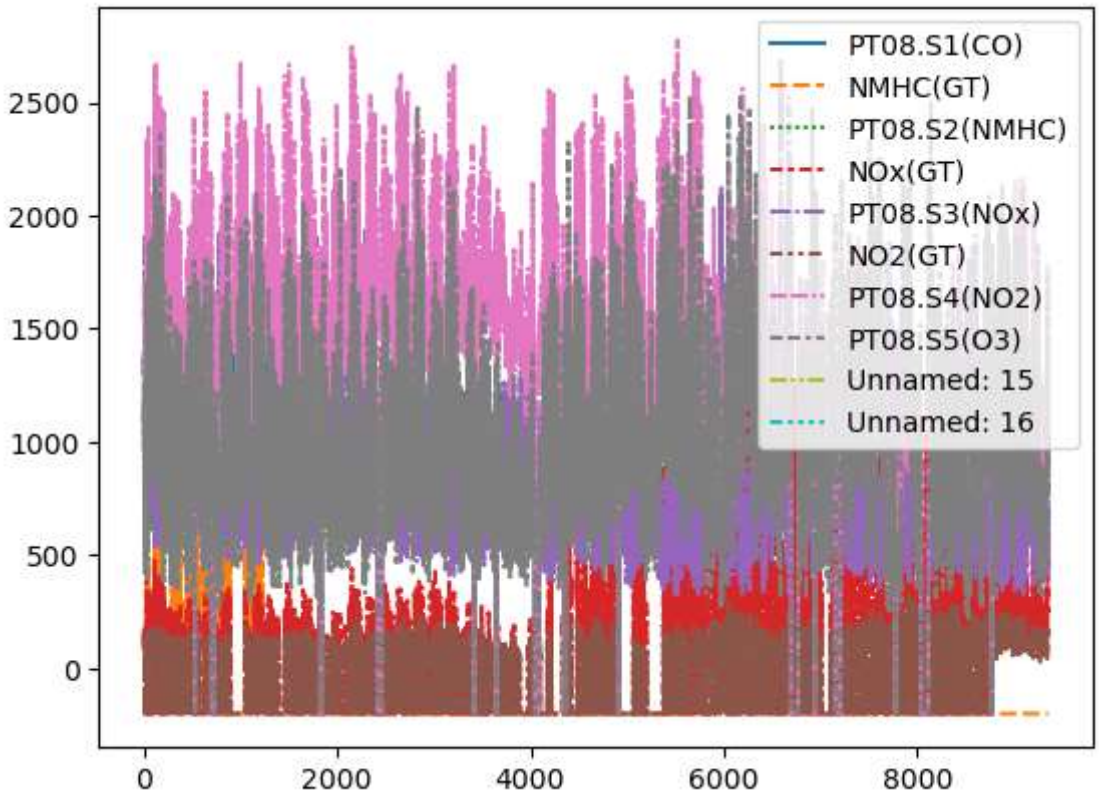
Out[7]:

	Date	Time	CO(GT)	PT08.S1(CO)	NMHC(GT)	C6H6(GT)	PT08.S2(NMHC)	NOx(GT)	P
0	10/03/2004	18.00.00	2,6	1360.0	150.0	11,9	1046.0	166.0	
1	10/03/2004	19.00.00	2	1292.0	112.0	9,4	955.0	103.0	
2	10/03/2004	20.00.00	2,2	1402.0	88.0	9,0	939.0	131.0	
3	10/03/2004	21.00.00	2,2	1376.0	80.0	9,2	948.0	172.0	
4	10/03/2004	22.00.00	1,6	1272.0	51.0	6,5	836.0	131.0	
...	...	...	...	...	...	...	...	...	
138	16/03/2004	12.00.00	3,3	1452.0	283.0	18,3	1250.0	217.0	
139	16/03/2004	13.00.00	4	1579.0	366.0	22,3	1359.0	252.0	
140	16/03/2004	14.00.00	3,8	1466.0	318.0	20,4	1309.0	263.0	
141	16/03/2004	15.00.00	2,8	1280.0	228.0	14,6	1136.0	180.0	
142	16/03/2004	16.00.00	2,9	1407.0	201.0	16,6	1197.0	184.0	

143 rows × 17 columns

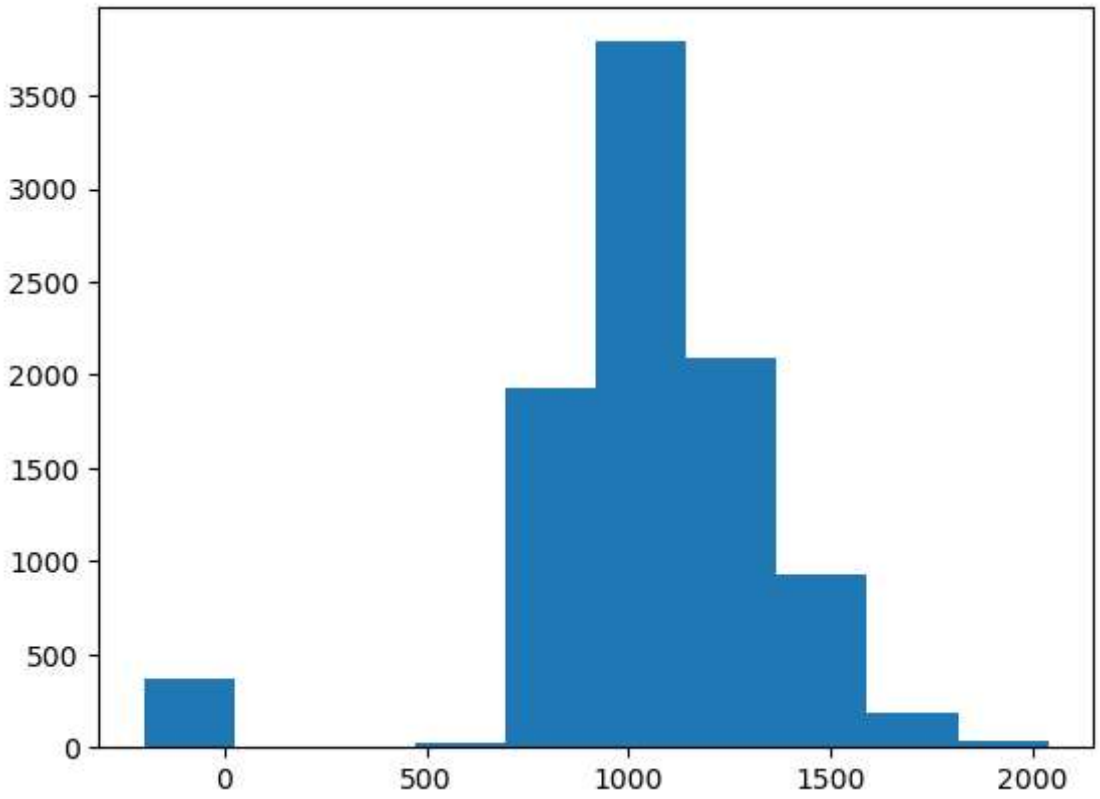
In [8]:
```
# LinePlot---------------->
sns.lineplot(data = ar)
```

Out[8]:
```
<Axes: >
```



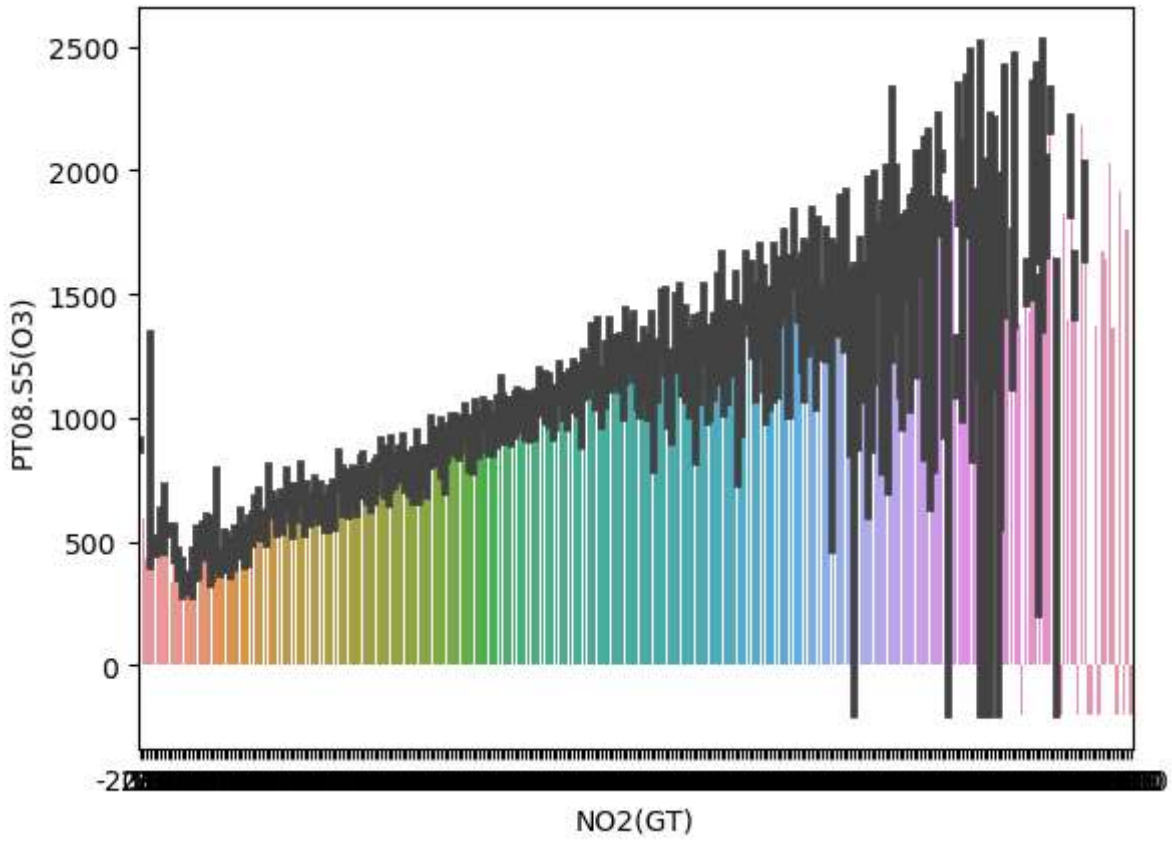
In [12]:
```
# Histogram----------->
plt.hist(ar['PT08.S1(CO)'])
```

Out[12]:
```
(array([ 366.,    0.,    0.,   20., 1934., 3789., 2096.,  929.,  189.,
          34.]),
 array([-200.,   24.,  248.,  472.,  696.,  920., 1144., 1368., 1592.,
        1816., 2040.]),
 <BarContainer object of 10 artists>)
```



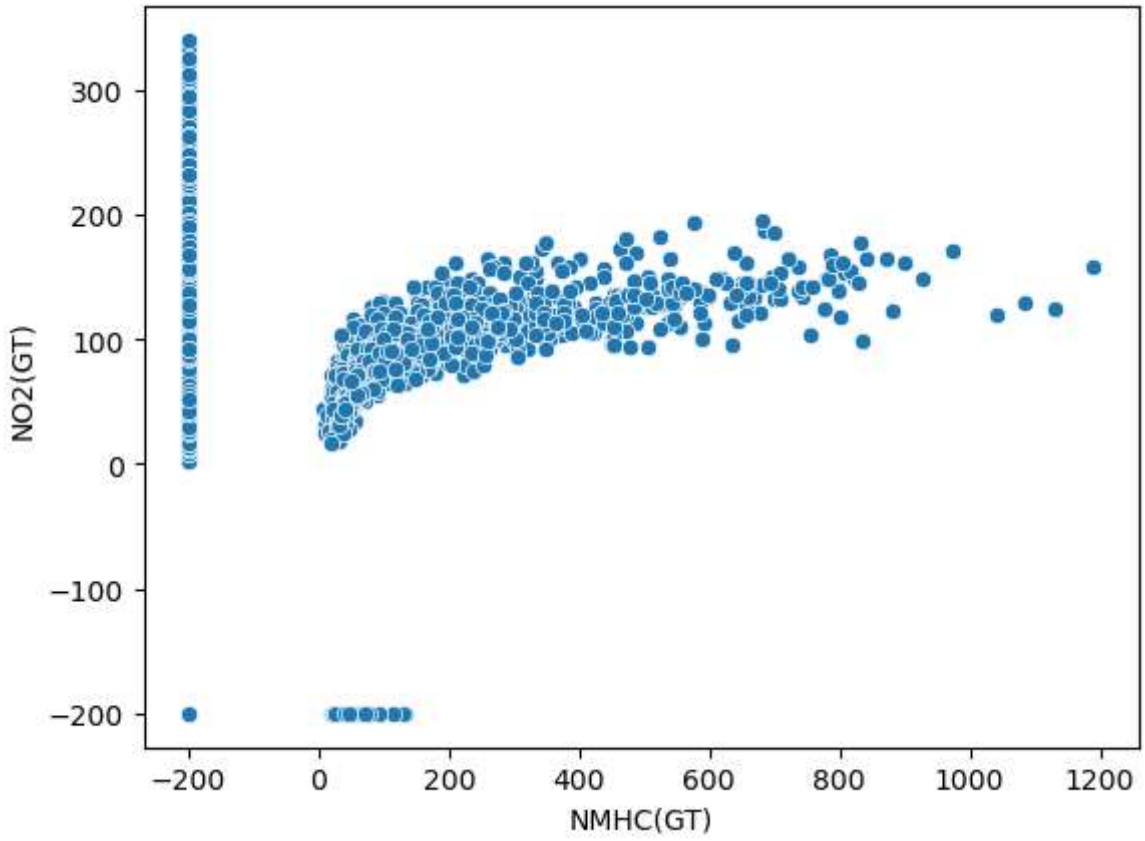
In [10]:
```
# Barplot---------------->
sns.barplot(x=ar['NO2(GT)'], y=ar['PT08.S5(O3)'])
```

Out[10]:
```
<Axes: xlabel='NO2(GT)', ylabel='PT08.S5(O3)'>
```



In [11]:
```
# Scatterplot------------>
sns.scatterplot(x=ar['NMHC(GT)'], y=ar['NO2(GT)'])
```

Out[11]:
```
<Axes: xlabel='NMHC(GT)', ylabel='NO2(GT)'>
```



In [ ]: