**Generalization of chromatoPy App**

**No changes:**

1. hplc\_to\_csv
2. Integration\_settings.json

**Added:**

1. chromatopy\_gen
2. hplc\_integratiion\_gen
3. Plot\_settings.json
4. plot\_settings

**Removed:**

1. assign\_indices
2. chromatoPy\_base
3. hplc\_integration.py
4. chromatopy\_general
5. GDGT\_compounds
6. calculate\_indices
7. chromatoPy\_preprocess
8. folder\_handling
9. handle\_window\_params
10. import\_data
11. messages
12. time\_normalization

**hplc\_integration\_gen.py:**

1. read\_data\_concurrently()
2. takes in a headers parameter
3. removed if statement
4. required columns now takes in headers
5. windows\_handling()
6. removed
7. hplc\_integration()
8. takes in headers, compounds, window\_bounds parameters
9. read\_data\_concurrently() call changed accordingly
10. SignalAnalyzer class arguments changed accordingly
11. e\_pressed case changed

**chromatopy\_gen.py:**

1. SignalAnalyzer class takes in headers, compounds parameters
2. self.headers made
3. x\_values and y take values using headers now

**chromatopy\_front\_ui\_gen.py:**

1. startup()
2. size changed to 600x600
3. resizable set to True
4. background color added to main\_box
5. chromatoPy logo image added
6. path\_input changed. Two options available. Enter path or browse and select folder
7. path\_input bg color and color added
8. A new folder\_row box had to be created to implement the options
9. plot\_settings\_btn added
10. start\_btn, plot\_settings\_btn and settings\_btn bg color and color added
11. on\_plot\_settings() and select\_folder() were created
12. validate\_and\_start()
13. load\_plot\_settings() is run to extract plot\_settings
14. plot\_settings is formatted to work with our package

**Integration\_settings.py:**

1. Changed it to not open a new window and become the main\_window
2. Added colors to the labels, buttons and input boxes
3. Added back button functioning

**Plot\_settings.py:**

1. Similar to integration\_settings.py
2. New PLOT\_SCHEMA created
3. on\_save has a new elif statement to deal with ‘str\_or\_none’

**plot\_settings.json:**

1. Created to have a memory structure for plot\_settings with default values

**Notes:**

1. UI is visually revamped
2. Plot settings are added to handle headers, window bounds and compounds list
3. Icons folder with back button and chromatoPy png was added to chromatopy folder
4. Changes will be made to update deprecated elements like padding etc
5. Output system to be implemented
6. No functioning yet for compounds