

Analysis Report

Report ID:	WPS-21012883-FX-01En
Sample Name:	base rubber pad
Sample Origin:	Customer Sample Delivery
Applicant:	Hangzhou Moonbay Industrial Co., Ltd.

Shanghai WEIPU Chemical Technology Service Co., Ltd.



Analysis Report (Composition List Analysis)

Applicant: Hangzhou Moonbay Industrial Co., Ltd.
Address: 703 Building 2, Zhongdong International Plaza, Fengqing Avenue, Xiaoshan,
Hangzhou, China

The following sample(s) was/were submitted and identified on behalf of the applicant:

Sample Name: base rubber pad

Sample Description: Solid

Batch No.: /

Sample Model: /

Received Date: 2021-01-21

Completion Date: 2021-01-29

Analysis Requirement(s): Please refer to next page(s)

Analysis Result(s): Please refer to next page(s)

Compiled by: Rita Li

Approved by: Barry Yang

Issued Date: 2021-01-29

Analysis Result(s)

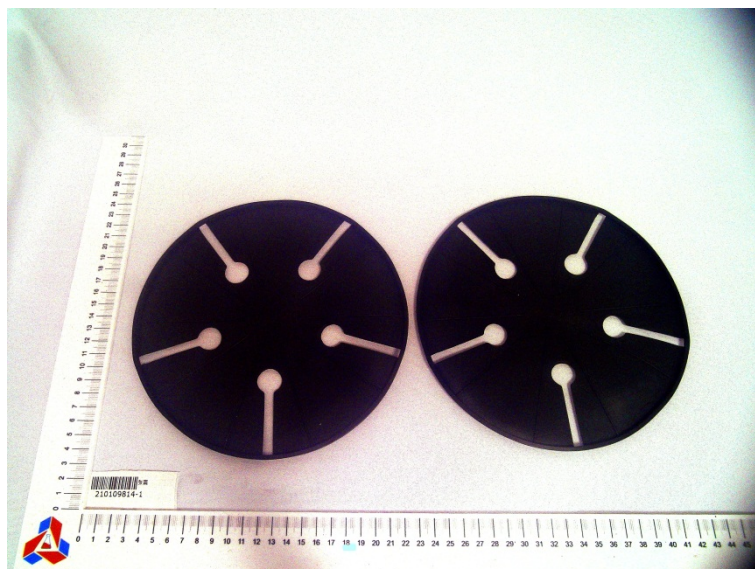
Compound No.	Compound Name	Mass Content/%	Trivial Name.	Function
1	Butadiene Styrene Rubber	~17-19	SBR	Rubber
2	Ethylene Propylene Rubber	~4-6	EPDM	Rubber
3	Alkane oil	~33-36	/	Plasticizer
4	Calcium Carbonate	~40-42	/	Filler
5	Oleamide	~1-2	/	Additives
6	Other Additives			
Blank below				

Composition with "*" are inferred through some fragmentary information and our experiences.

Comment:

1.The current test report is the English version of report number WPS-21012883-FX-01Cn. In case of any discrepancy between Chinese version and English version, the Chinese version shall prevail for the test.

The photo of sample:



End of Report

— DECLARE —

1. The report is invalid without the stamp of “Special Seal for Inspection or Testing” or without “Special Seal for the Report” or without the signature of the approver.
2. No unauthorized changes, additions or deletions shall be made to the report.
3. Neither fragmented report nor its incomplete copy shall be deemed valid. The complete copy is invalid without the stamp of “Special Seal for Inspection or Testing” or “Special Seal for the Report”.
4. Any queries on the report shall be presented to us within 15 working days after receipt of the report.
5. The results described here in this report are based on the sample(s) tested. The data and results shown in the report without CMA logo are not used as proof for society, only for internal uses.
6. The applicant takes full responsible for the truthfulness of the testing sample(s) and information related thereto.
7. Without the permission of the company, any party is prohibited from using the test results and the report for undue publicity.

Representative attachments:

1、FTIR

Figure 1-1 is FTIR of the original sample, which shows the information of SBR、CaCO₃、 Oleamide.

Figure 1-3 is FTIR of the Pyrolysis sample, which shows the information of EPDM SBR.

Figure 1-5 is FTIR of the ash, which shows the information of CaCO₃

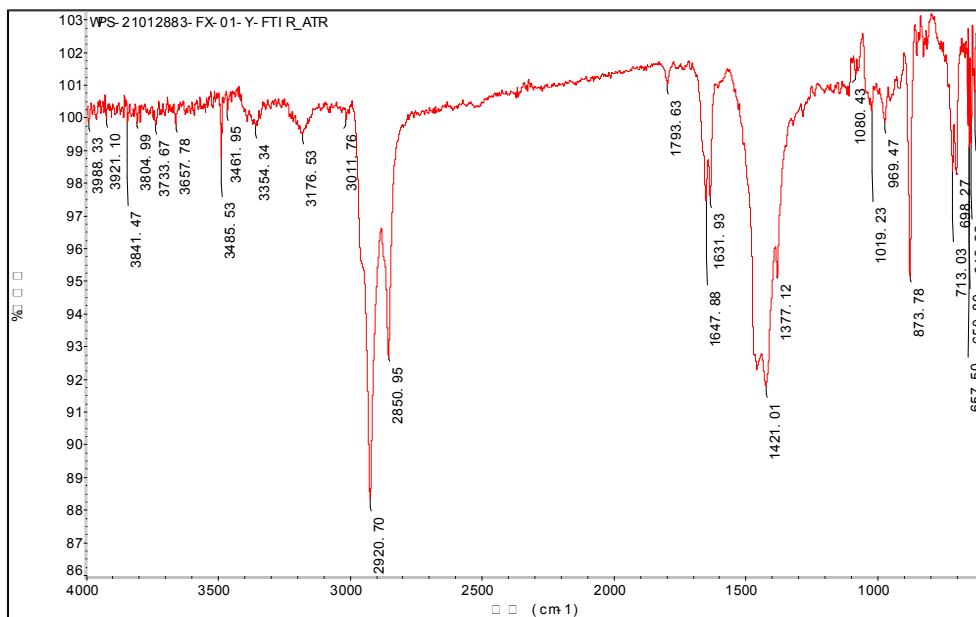


Figure1-1 FTIR of the original sample

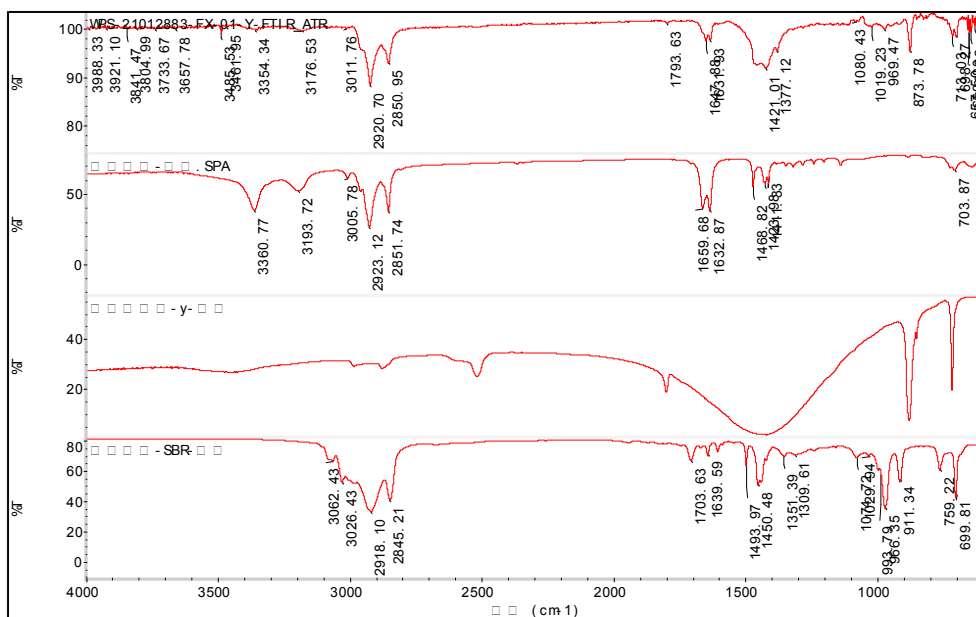


Figure1-2 match FTIR of the original sample

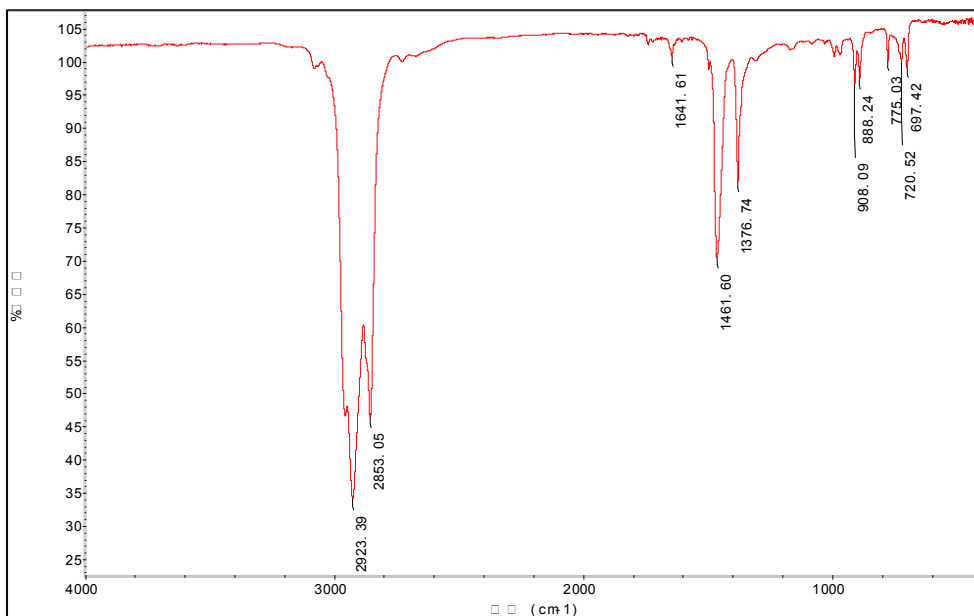


Figure 1-3 FTIR of the Pyrolysis sample

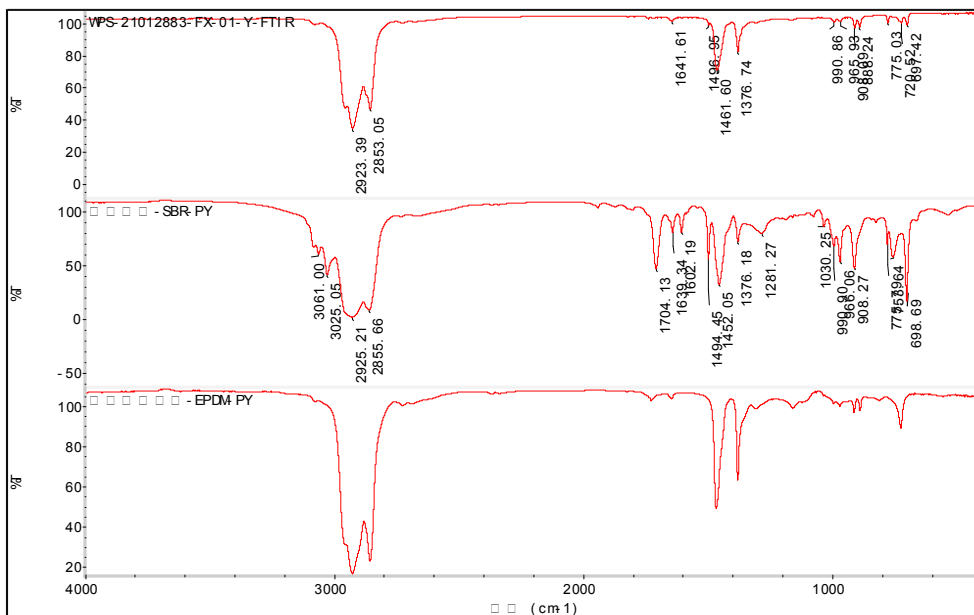


Figure 1-4 match FTIR of the Pyrolysis sample

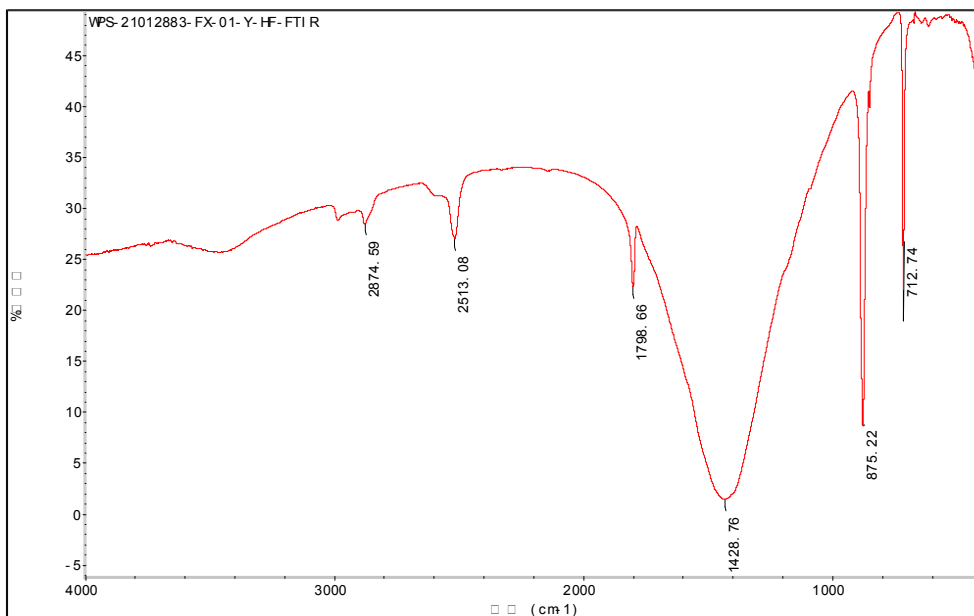


Figure 1-5 FTIR of the ash

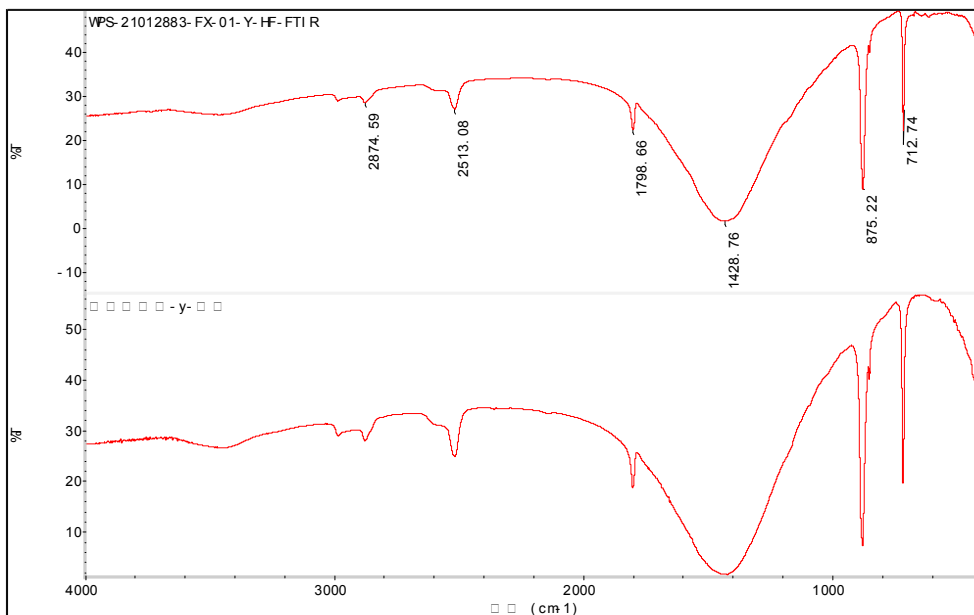


Figure 1-6 match FTIR of the ash

2、XRF

Figure 2 is XRF of the original sample.

编号	Compound	Conc.(%)
1	C	95.6918
2	Ca	4.2873
3	Si	0.0115
4	Mg	0.0094

Figure 2 XRF of the original sample

3、TGA

Figure3 is TGA curve of the original sample.

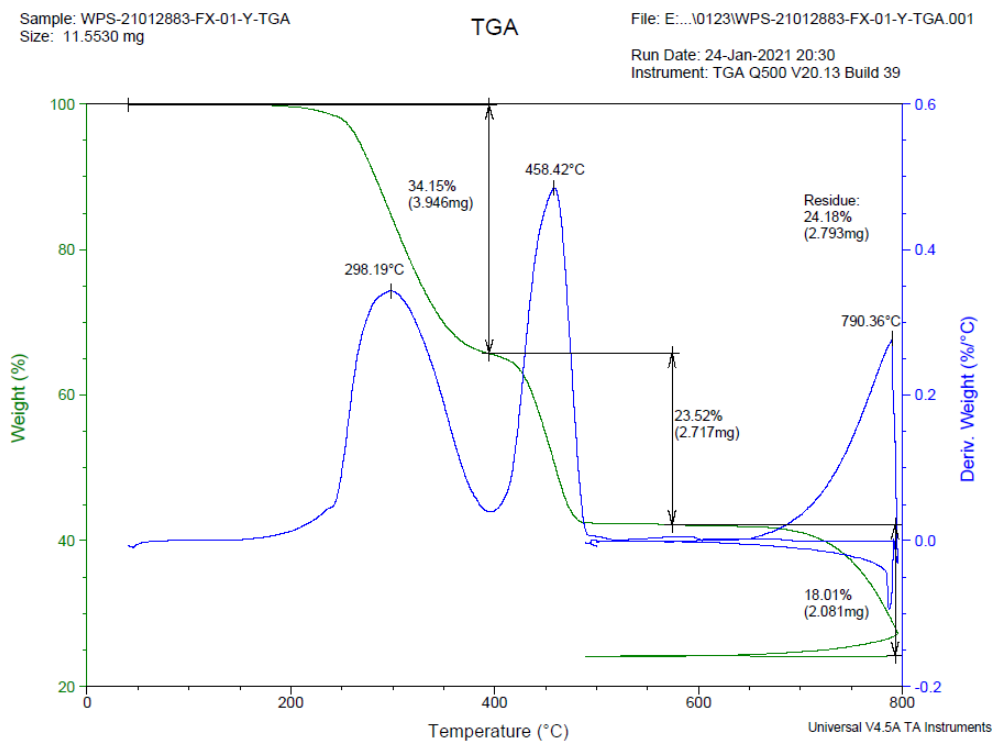


Figure3 TGA curve of the original sample.

4、Py-GCMS

Figure4 is Py-GCMS of the original sample.

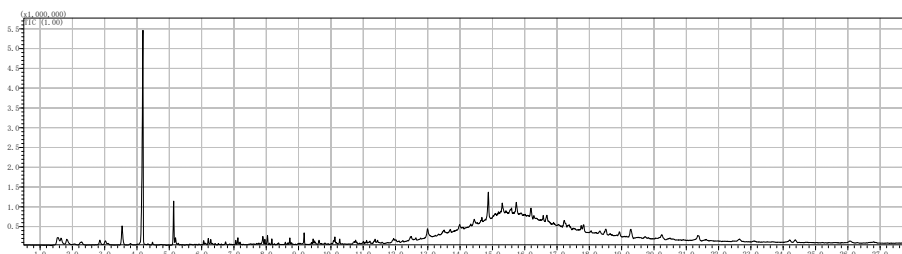
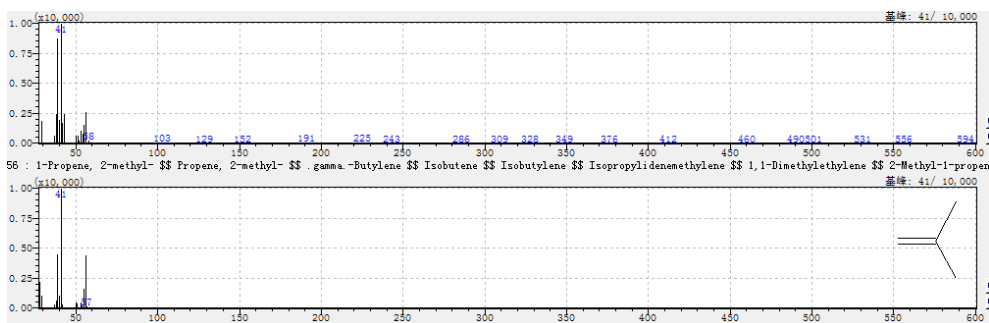
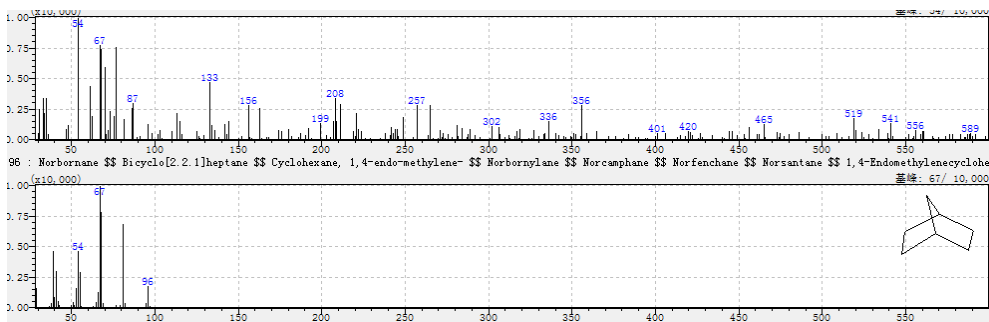


Figure4 Py-GCMS of the original sample.

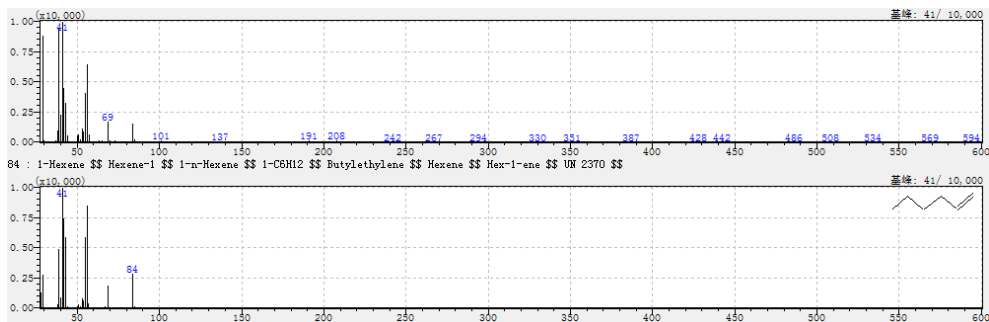
1.565min



1.810min

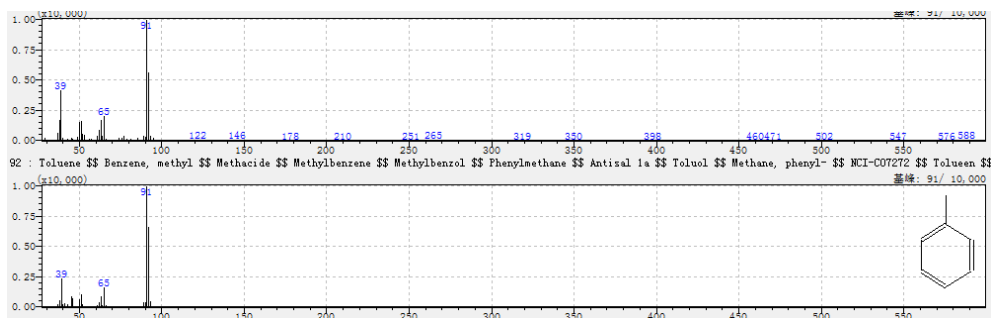


1.830min

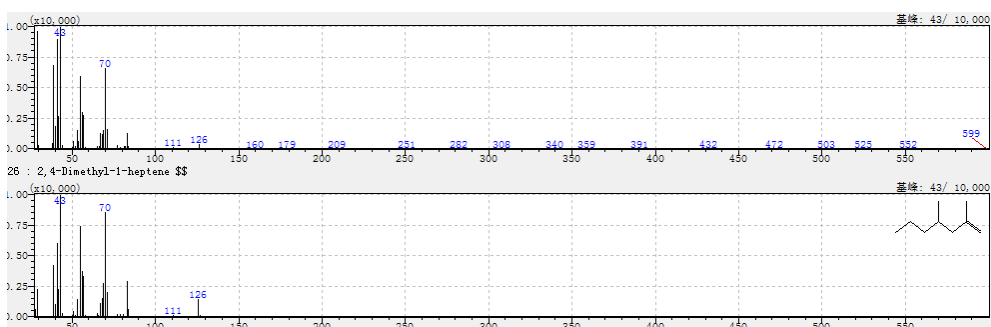




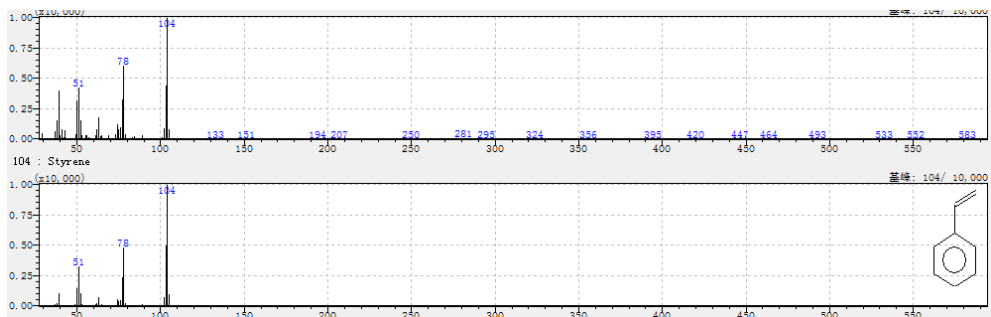
2.860min



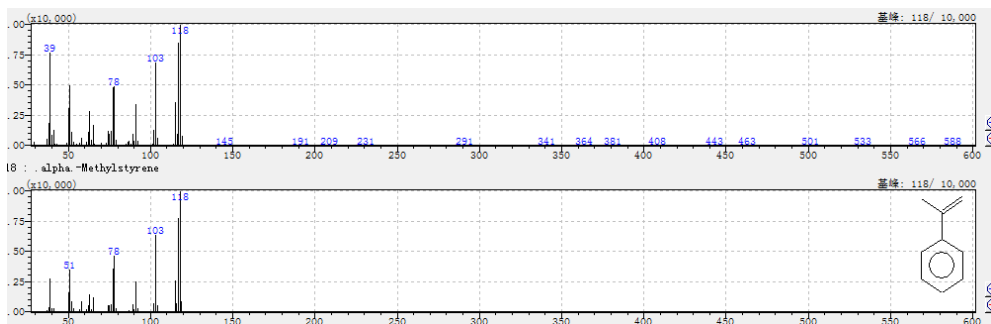
3.530min



4.135min



5.130min





15.745min

