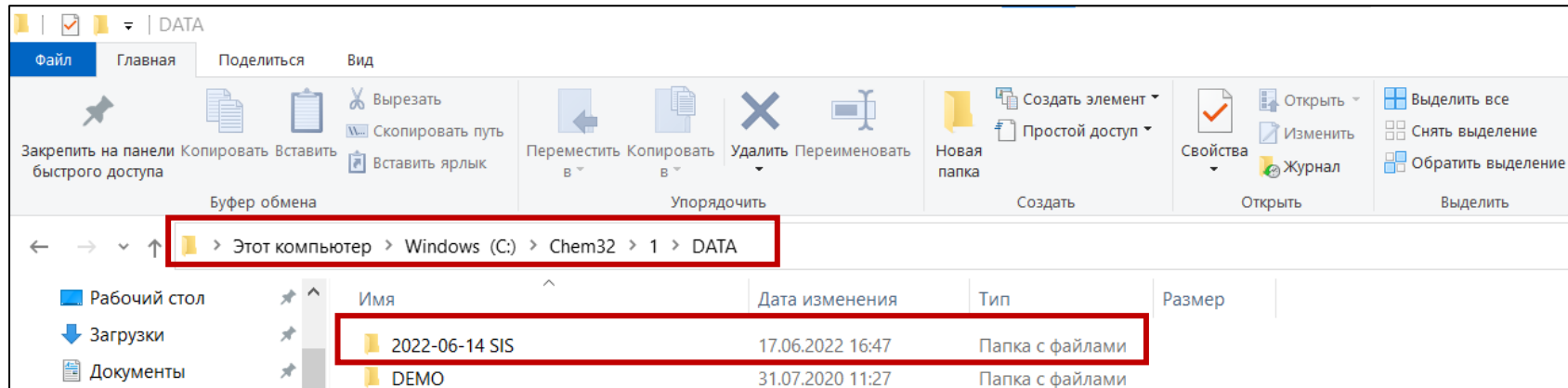
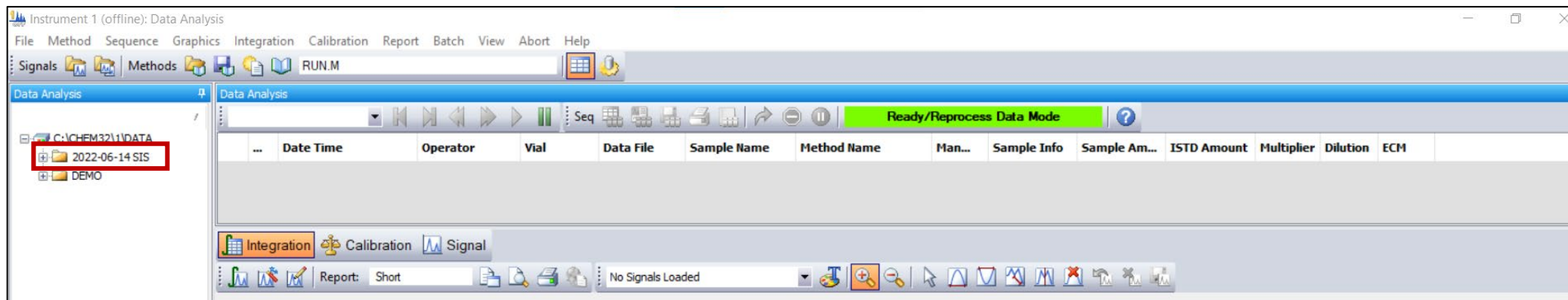


Метод внешнего стандарта

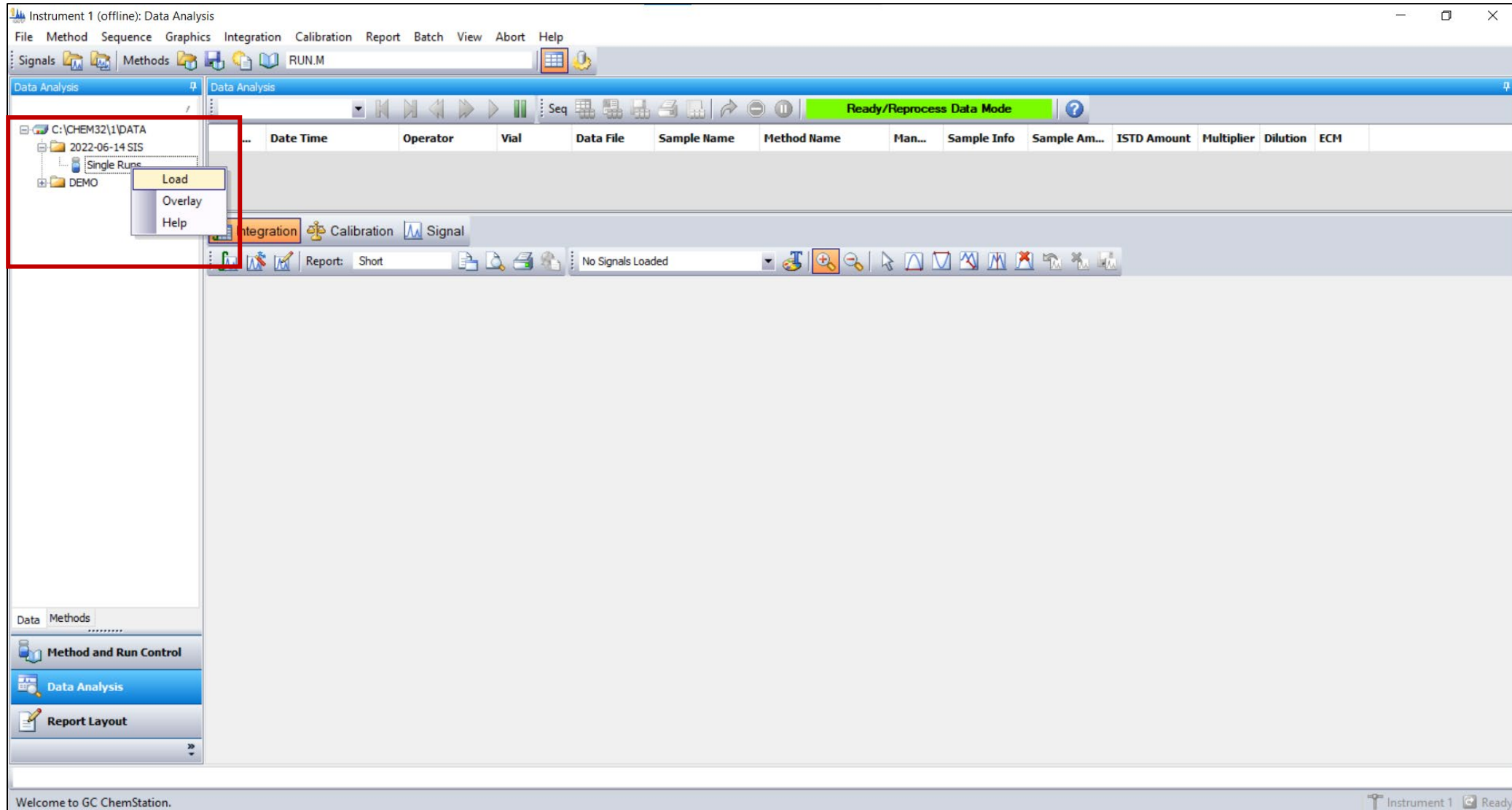
1. Поместить папку с измерениями ChemStation



Она появится в ChemStation



3. Загрузить файлы



3. Появятся файлы

The screenshot displays the Agilent ChemStation software interface for data analysis. The main window shows a list of runs with the following data:

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001...	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G100175...	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G100175...	calvados	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:13:21		Vial 101	SIG1G100175...	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G100175...	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G100175...	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G100175...	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G100175...	2	VODKA_2019.M	-		0	0	0	0	-

The chromatogram plot shows a signal (pA) versus time (min) with three peaks labeled at retention times 4.567, 4.827, and 4.962. The peak at 4.962 min is significantly larger than the others.

File Information:

GC-File	SIG1G1001752.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14-Jun-22, 11:31:44
Sample	ps 1
Sample Info	
Barcode	

Peak Data Table:

#	Time	Area	Height	Width	Symmetry
1	4.567	105.2	37	0.0432	0.804
2	4.827	2.8E-1	1.2E-1	0.0313	0.926
3	4.962	227732.5	69318.5	0.0523	0.658

Integration done. Instrument 1 Ready

3. Выбрать файл, который будет использоваться в качестве калибровочного

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Integration Calibration Signal

Report: Short FID1 A, (2022-0...IG1G1001757.D)

FID1 A, (2022-06-14 SIS\SIG1G1001757.D)

#	Time	Area	Height	Width	Symmetry
1	0.338	3.5E-1	1.4E-1	0.0311	0.872
2	0.459	1.4E-1	1.1E-1	0.0182	1.732
3	0.492	2.1E-1	1.1E-1	0.0295	0.491
4	0.545	1.1E-1	1.1E-1	0.0171	1.823
5	0.571	1.1E-1	1.1E-1	0.0171	0.899
6	0.592	1.7E-1	1.2E-1	0.0241	0.908

File Information

GC-File	SIG1G1001757.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14 Jun-22, 14:17:06
Sample	pB
Sample Info	

Integration done.

Instrument 1 Ready

4. Перейти на вкладку Integration и нажать сюда

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software interface. The 'Integration' button in the bottom toolbar is highlighted with a red box and a red arrow. The main window displays a table of sample runs, a chromatogram plot, and a table of peak data.

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001753.D	pB 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pB 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Chromatogram plot: FID1 A, (2022-06-14 SIS\SIG1G1001757.D)

#	Time	Area	Height	Width	Symmetry
1	1.095	5.3E-1	1.6E-1	0.0546	6.643
2	3.134	4.7E-1	1.5E-1	0.0399	0.373
3	3.482	4.3	2.2	0.0293	0.895
4	4.075	3.5	1.7	0.0325	0.993
5	4.549	5.8	2.3	0.0365	1.287

Done Auto Integrate peaks found: 12

4. Создать новую калибровочную таблицу

The screenshot displays the 'Instrument 1 (offline): Data Analysis' software interface. The 'Calibration' menu is open, with 'New Calibration Table...' highlighted by a red arrow. The background shows a chromatogram with peaks at 4.567, 4.827, and 4.962 minutes. A table at the bottom right lists peak data, and a table at the bottom left shows file information.

Calibration Menu Options:

- New Calibration Table...
- Delete Calibration Table...
- Recalibrate...
- Add Level...
- Add Peaks...
- Calibration Settings...
- Advanced Calibration >
- Calibration Table Options... >
- Select Peak
- Delete Peaks
- Add Peaks
- Recalibrate Compounds
- Calibration Table...
- Compound Groups...
- Signal Details...
- Control Sample Limits...

Chromatogram Peak Data:

#	Time	Area	Height	Width	Area%	Symmetry
1	4.567	105.2	37	0.0432	0.046	0.804
2	4.827	2.8E-1	1.2E-1	0.0313	0.000	0.926
3	4.962	227732.5	69318.5	0.0523	99.954	0.658

File Information:

File Information	
GC-File	SIG1G1001752.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14-Jun-22, 11:31:44
Sample	pe 1
Sample Info	
Barcode	
Operator	
Method	VODKA_2019.M

Table from Data Analysis Window:

	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
101	SIG1G1001752.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
101	SIG1G1001753.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-

Prepare new Calibration Table from current chromatogram

5. Появится окно, нажать «ОК»

The screenshot displays the 'Data Analysis' software interface. A dialog box titled 'New Calibration Table' is open, with a green arrow pointing to the 'OK' button. The dialog box contains the following options:

- Calibration Table:
 - Manual Setup
 - Automatic Setup Level: 1
- Default Amount: 0.000
- Calibration Mode:
 - Calculate Signals Separately

The background shows a chromatogram with three peaks labeled at retention times 4.567, 4.827, and 4.962 minutes. Below the chromatogram is a table of peak data:

#	Time	Area	Height	Width	Area%	Symmetry
1	4.567	105.2	37	0.0432	0.046	0.804
2	4.827	2.8E-1	1.2E-1	0.0313	0.000	0.926
3	4.962	227732.5	69318.5	0.0523	99.954	0.658

The software interface also shows a table of sample data at the top:

Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	Vial 101	SIG1G1001752.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
	Vial 101	SIG1G1001753.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
	Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-

6. Появится окно, нажать «ОК»

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software interface. A green arrow points from the text '6. Появится окно, нажать «ОК»' to a dialog box that has appeared. The dialog box contains the text 'WARNING: Instrument 1' and 'Overwrite existing calibration table?' with 'Да' and 'Нет' buttons. The background shows a chromatogram with peaks at 4.567, 4.827, and 4.962 minutes, and a table of peak data.

#	Time	Area	Height	Width	Area%	Symmetry
1	4.567	105.2	37	0.0432	0.046	0.804
2	4.827	2.8E-1	1.2E-1	0.0313	0.000	0.926
3	4.962	227732.5	69318.5	0.0523	99.954	0.658

7. Появится таблица, заполнить ее, нажать «ОК»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis

SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	pB 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pB 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001757.D) Overview

Calibration Table

Enter Delete Insert... Print OK Help

#	RT	Signal	Compound	Lvl	Amt[мг/дм3]	Area	Rsp.Factor	Ref	ISTD	#
1	1.095	FID1 A		1	0.000	76489854e-1	0.000	No	No	
2	3.134	FID1 A		1	0.000	41677344e-1	0.000	No	No	
3	3.482	FID1 A		1	0.000	4.2736621	0.000	No	No	
4	4.075	FID1 A		1	0.000	3.5017428	0.000	No	No	
5	4.549	FID1 A		1	0.000	5.7722983	0.000	No	No	
6	4.632	FID1 A		1	0.000	44.9355994	0.000	No	No	
7	4.897	FID1 A		1	0.000	5.4521799	0.000	No	No	
8	5.032	FID1 A		1	0.000	1901.1563000	0.000	No	No	
9	7.057	FID1 A		1	0.000	7.2669249	0.000	No	No	
10	8.778	FID1 A		1	0.000	7.9816589	0.000	No	No	
11	11.063	FID1 A		1	0.000	8.0548649	0.000	No	No	
12	13.337	FID1 A		1	0.000	8.3207760	0.000	No	No	

#	RT	Signal	Compound	Lvl	Amt[мг/дм3]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	9.800	4.2736621	2.293	No	No	
2	4.075	FID1 A	метилацетат	1	9.200	3.5017428	2.627	No	No	
3	4.549	FID1 A	этилацетат	1	9.000	5.7722983	1.559	No	No	
4	4.632	FID1 A	метанол	1	1.0200e-2	44.9356804	2.2699e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	8.200	5.4521799	1.504	No	No	
6	5.032	FID1 A	этанол	1	40.000	1901.1563000	1.9812e-4	No	No	
7	7.057	FID1 A	1-пропанол	1	8.000	7.2669249	1.101	No	No	
8	8.778	FID1 A	изобутиловый сп	1	8.000	7.9816589	1.002	No	No	
9	11.063	FID1 A	1-бутанол	1	8.100	8.0548649	1.006	No	No	
10	13.337	FID1 A	изоамиловый сп	1	8.100	8.3207760	9.7347e-1	No	No	

done

Instrument 1 Rea

8. Появится окно, нажать «ОК»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

...	Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	pB 1	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pB 1	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	--		0	0	0	0	--
▶	14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	--		0	0	0	0	--
	14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	--		0	0	0	0	--

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001757.D)

Calibration Table

Enter Delete Insert... Print OK Help

#	RT	Signal	Compound	Lvl	Amт[мг/дм3]	Area F				
1	1.095	FID1 A		1	0.000	276489854e-1				
2	3.134	FID1 A		1	0.000	741677344e-1	0.000	No	No	
3	3.482	FID1 A	ацетальдегид	1	9.800	4.2736621	2.293	No	No	
4	4.075	FID1 A	метилацетат	1	9.200	3.5017428	2.627	No	No	
5	4.549	FID1 A	этилацетат	1	9.000	5.7722983	1.559	No	No	
6	4.632	FID1 A	метанол	1	1.0200e-2	44.9356804	2.2699e-4	No	No	
7	4.897	FID1 A	2-пропанол	1	8.200	5.4521799	1.504	No	No	
8	5.032	FID1 A	этанол	1	40.000	1901.1563000	1.9812e-4	No	No	
9	7.057	FID1 A	1-пропанол	1	8.000	7.2669249	1.101	No	No	
10	8.778	FID1 A	изобутанол	1	8.000	7.9816589	1.002	No	No	
11	11.063	FID1 A	1-бутанол	1	8.100	8.0548649	1.006	No	No	
12	13.337	FID1 A	изоамилол	1	8.100	8.3207760	9.7347e-1	No	No	

Calibration Table: Instrument 1

Delete lines with zero amounts?

Да Нет

Data Methods

Method and Run Control

Data Analysis

Report Layout

done

Instrument 1

9. Появится окно, нажать «ОК»

The screenshot displays the 'Data Analysis' software interface. A dialog box titled 'Calibration Table: (Errors and Warnings) Instrument 1' is open, showing three warnings about overlapping peak time windows. A green arrow points from the text '9. Появится окно, нажать «ОК»' to the 'OK' button in the dialog box. The background shows a chromatogram with peaks labeled and a calibration table with columns for RT, Signal, Compound, Lvl, Amt, Area, Rsp. Factor, Ref, ISTD, and #.

Calibration Table: (Errors and Warnings) Instrument 1

- 1) Warning: Overlapping peak time windows at 4.549 min, (FID1 A)
- 2) Warning: Overlapping peak time windows at 4.632 min, (FID1 A)
- 3) Warning: Overlapping peak time windows at 4.897 min, (FID1 A)

return to calibration table

#	RT	Signal	Compound	Lvl	Amt[мг/дм3]	Area	Rsp.Factor	Ref	ISTD	#
5	4.549	FID1 A	этилацетат	1	9.000	5.7722983	1.559	No	No	
6	4.632	FID1 A	метанол	1	1.0200e-2	44.9356804	2.2699e-4	No	No	
7	4.897	FID1 A	2-пропанол	1	8.200	5.4521799	1.504	No	No	
8	5.032	FID1 A	этанол	1	40.000	1901.1563000	1.9812e-4	No	No	
9	7.057	FID1 A	1-пропанол	1	8.000	7.2669249	1.101	No	No	
10	8.778	FID1 A	изобутанол	1	8.000	7.9816589	1.002	No	No	
11	11.063	FID1 A	1-бутанол	1	8.100	8.0548649	1.006	No	No	
12	13.337	FID1 A	изомиллол	1	8.100	8.3207760	9.7347e-1	No	No	

Calibration Curve

изомиллол, FID1 A
Area = 1.02725629*Amt + 1.733E-15
Rel. Res%(1): 0.000
Correlation: 1.00000

10. Выбрать образец «Кальвадос»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Seq Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Integration Calibration Signal

Report: Short FID1 A, (2022-06-14 SIS\SIG1G1001754.D)

FID1 A, (2022-06-14 SIS\SIG1G1001754.D)

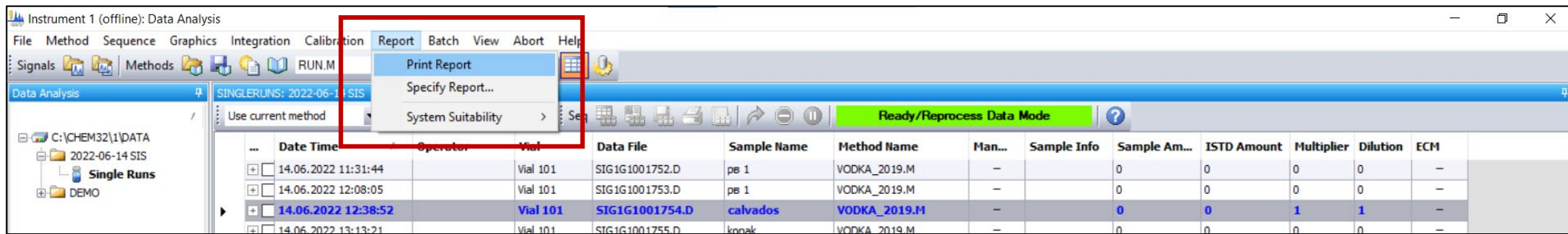
#	Time	Area	Height	Width	Symmetry
1	2.341	1.7E-1	8.8E-2	0.0249	0.477
2	2.415	2.2E-1	1E-1	0.03	1.33
3	2.57	2.1E-1	9.6E-2	0.0281	6.527
4	2.618	3.3E-1	1E-1	0.0414	1.036
5	3.117	1.1E-1	9.9E-2	0.0157	2.35
6	3.183	1.8E-1	1.1E-1	0.0301	4.482

File Information

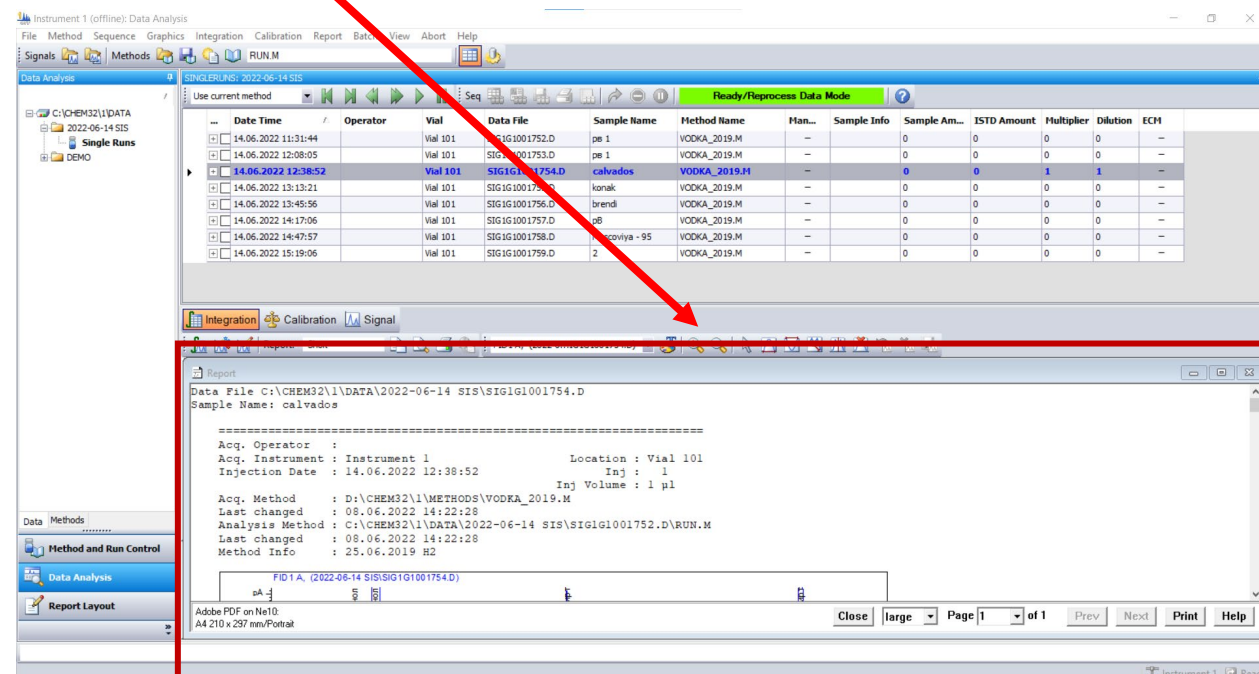
GC-File	SIG1G1001754.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14-Jun-22, 12:38:52
Sample	calvados
Sample Info	
Barcode	

Integration done. Instrument 1 Ready

11. Выбрать «Print report»



Отчет появится внизу



12. Нажать «Print» и сохранить как pdf

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software interface. The main window displays a table of data runs. The selected row is for 'calvados' with a multiplier of 1 and dilution of 1. Below the table, the 'Report' window is open, showing details for the selected sample. The 'Print' button in the bottom right corner of the report window is highlighted with a red box and a red arrow pointing to it from the top left of the image.

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscov... - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Report
Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001754.D
Sample Name: calvados

```
=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 12:38:52  Inj       : 1
                                           Inj Volume: 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method: C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 08.06.2022 14:22:28
Method Info    : 25.06.2019 H2
```

Adobe PDF on NetIO:
A4 210 x 297 mm/Portrait

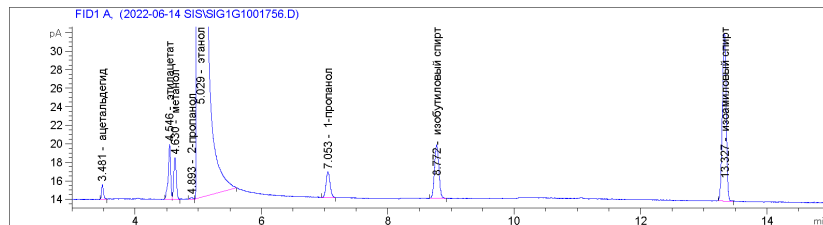
Close large Page 1 of 1 Prev Next **Print** Help

С остальными образцами сделать то же самое

Бренди

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001756.D
Sample Name: brendi

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 101
Injection Date : 14.06.2022 13:45:56 Inj : 1
Inj Volume : 1 µl
Acq. Method : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed : 20.06.2022 14:30:13
Method Info : 25.06.2019 H2



External Standard Report

Sorted By : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/µl]	Grp	Name
3.481	BB	3.30317	2.29312	7.57455		ацетальдегид
4.075		-	-	-		метилацетат
4.546	BV	16.05829	1.55917	25.03761		этилацетат
4.630	VV	12.25589	2.26991e-4	2.78198e-3		метанол
4.893	BV	5.12686e-1	1.50399	7.71072e-1		2-пропанол
5.029	VB S	1.96805e5	1.98117e-4	38.99031		этанол
7.053	BB	12.09134	1.10088	13.31109		1-пропанол
8.772	BB	27.49682	1.00230	27.56001		изобутиловый спирт
11.063		-	-	-		1-бутанол
13.327	BB	75.22813	9.73467e-1	73.23210		изоамиловый спирт

Totals : 186.47953

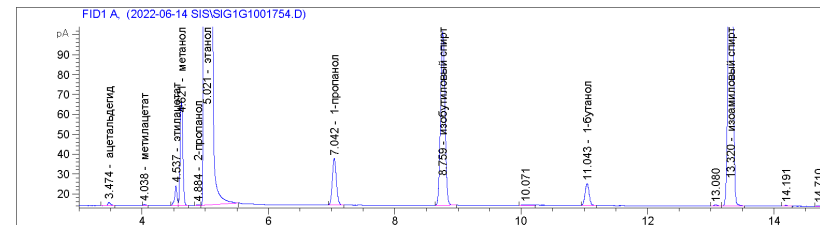
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Кальвадос

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001754.D
Sample Name: calvados

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 101
Injection Date : 14.06.2022 12:38:52 Inj : 1
Inj Volume : 1 µl
Acq. Method : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed : 20.06.2022 14:30:13
Method Info : 25.06.2019 H2



External Standard Report

Sorted By : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/µl]	Grp	Name
3.474	VB	4.07187	2.29312	9.33727		ацетальдегид
4.038	BB	1.18820	2.62726	3.12172		метилацетат
4.537	BV	25.57652	1.55917	39.67817		этилацетат
4.621	VB	151.90663	2.26991e-4	3.44815e-2		метанол
4.884	BV	9.12119e-1	1.50399	1.37181		2-пропанол
5.021	VB S	2.08767e5	1.98117e-4	41.36020		этанол
7.042	BB	106.25713	1.10088	116.97617		1-пропанол
8.759	BB	422.23059	1.00230	423.20084		изобутиловый спирт
11.043	BB	49.33747	1.00560	49.61393		1-бутанол
13.320	VB	1356.46594	9.73467e-1	1320.47470		изоамиловый спирт

Totals : 2005.36929

1 Warnings or Errors :

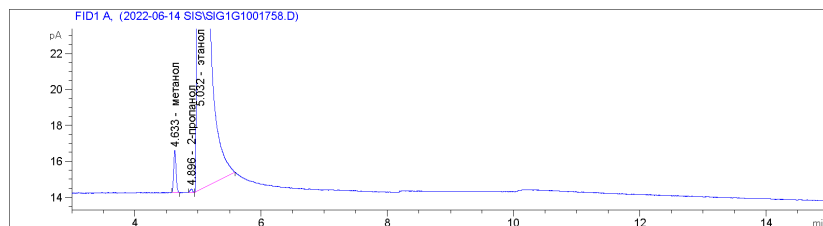
Warning : Calibration warnings (see calibration table listing)

Водка

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001758.D

Sample Name: Moscoviya - 95

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 101
Injection Date : 14.06.2022 14:47:57 Inj : 1
Inj Volume : 1 µl
Acq. Method : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed : 20.06.2022 14:30:13
Method Info : 25.06.2019 H2



External Standard Report

Sorted By : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/дм³]	Grp	Name
3.482	-	-	-	-	-	ацетальдегид
4.075	-	-	-	-	-	метилацетат
4.549	-	-	-	-	-	этилацетат
4.633	BB	6.31566	2.26991e-4	1.43360e-3	-	метанол
4.896	BV	5.55516e-1	1.50399	8.35488e-1	-	2-пропанол
5.032	VB S	1.89793e5	1.98117e-4	37.60121	-	этанол
7.057	-	-	-	-	-	1-пропанол
8.778	-	-	-	-	-	изобутиловый спирт
11.063	-	-	-	-	-	1-бутанол
13.337	-	-	-	-	-	изоамиловый спирт

Totals : 38.43813

2 Warnings or Errors :

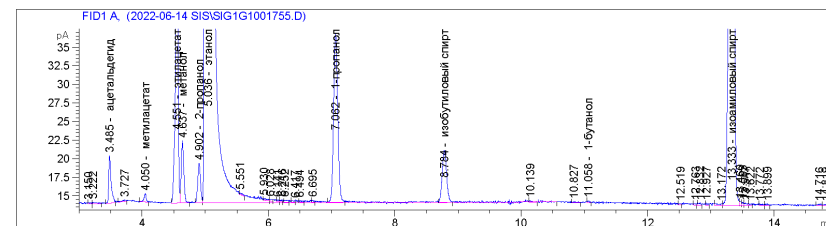
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Коньяк

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001755.D

Sample Name: konak

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 101
Injection Date : 14.06.2022 13:13:21 Inj : 1
Inj Volume : 1 µl
Acq. Method : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed : 20.06.2022 14:30:13
Method Info : 25.06.2019 H2



External Standard Report

Sorted By : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/дм³]	Grp	Name
3.485	VV	16.95651	2.29312	38.88323	-	ацетальдегид
4.050	BV	2.80551	2.62726	7.37081	-	метилацетат
4.551	BV	128.33510	1.55917	200.09636	-	этилацетат
4.637	VB	24.14906	2.26991e-4	5.48162e-3	-	метанол
4.902	BV	16.46674	1.50399	24.76574	-	2-пропанол
5.036	VB S	2.16074e5	1.98117e-4	42.80782	-	этанол
7.062	VV T	104.56990	1.10088	115.11874	-	1-пропанол
8.784	PV T	34.57939	1.00230	34.65885	-	изобутиловый спирт
11.058	BB	7.03571e-1	1.00560	7.07514e-1	-	1-бутанол
13.333	VV	854.57062	9.73467e-1	831.89621	-	изоамиловый спирт

Totals : 1296.31075

1 Warnings or Errors :

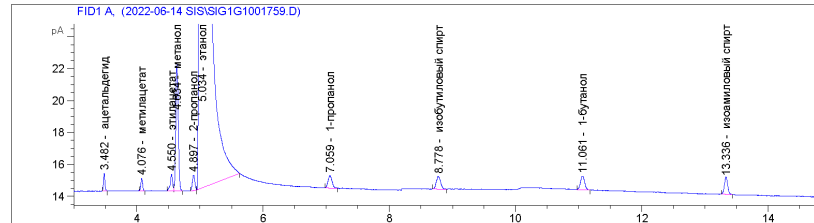
Warning : Calibration warnings (see calibration table listing)

PB-2

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001759.D
Sample Name: 2

```
=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 15:19:06   Inj       : 1
                                           Inj Volume: 1 µl

Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:30:13
Method Info     : 25.06.2019 H2
=====
```



External Standard Report

```
=====
Sorted By      :      Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier:    :      1.0000
Dilution:      :      1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/µM3]	Grp	Name
3.462	BB	1.84653	2.29312	4.23431		ацетальдегид
4.076	BB	1.60546	2.62726	4.21796		метилацетат
4.550	EV	2.68553	1.55917	4.18720		этилацетат
4.634	VB	22.04287	2.26991e-4	5.00354e-3		метанол
4.897	EV	2.66154	1.50399	4.00292		2-пропанол
5.034	VB S	1.92767e5	1.98117e-4	38.19041		этанол
7.059	BB	3.45941	1.10088	3.80839		1-пропанол
8.778	BB	3.78041	1.00230	3.78909		изобутиловый спирт
11.061	BB	3.85842	1.00560	3.88004		1-бутанол
13.336	BB	4.01742	9.73467e-1	3.91082		изоамиловый спирт

Totals : 70.22614

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

Метод внутреннего стандарта

1. Выбрать «Calibration settings...»

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software interface. The 'Calibration' menu is open, and 'Calibration Settings...' is highlighted with a red rectangle. The background shows a data table with columns for Data File, Sample Name, Method Name, and various analysis parameters.

#	F	Method	Sample Name	Area	Rsp. Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	9.800	4.2736621	2.293	No	No
2	4.075	FID1 A	метилацетат	9.200	3.5017428	2.627	No	No
3	4.549	FID1 A	этилацетат	9.000	5.7722983	1.559	No	No
4	4.632	FID1 A	метанол	1.0200e-2	44.9356804	2.2699e-4	No	No
5	4.897	FID1 A	2-пропанол	8.200	5.4521799	1.504	No	No
6	5.032	FID1 A	этанол	40.000	1901.1563000	1.9812e-4	No	No
7	7.057	FID1 A	1-пропанол	8.000	7.2669249	1.101	No	No
8	8.778	FID1 A	изобутиловый сп	8.000	7.9816589	1.002	No	No
9	11.063	FID1 A	1-бутанол	8.100	8.0548649	1.006	No	No
10	13.337	FID1 A	изоамиловый сп	8.100	8.3207760	9.7347e-1	No	No

2. Внести изменения в Calibration settings

В окне будет это

Calibration Settings: Instrument 1

Title:

Default RT Windows

	Minutes	%
Reference Peaks	0.00 + 5.00	
Other Peaks	0.00	10.00

Default Calibration Curve

Type: Linear

Origin: Include

Weight: Equal

Amount Units: мг/дм³

Calculate Uncalibrated Peaks

For Signal: FID1 A.

No

Using Compound: None

With Rsp Factor: 0.000

Use ISTD: None

If Peaks Missing

Correct All RTs Partial Calibration

OK Cancel Help

Исправить на

Calibration Settings: Instrument 1

Title:

Default RT Windows

	Minutes	%
Reference Peaks	0.00 + 5.00	
Other Peaks	0.00	10.00

Default Calibration Curve

Type: Linear

Origin: Force

Weight: Equal

Amount Units: мг/л безводного спид

Calculate Uncalibrated Peaks

For Signal: FID1 A.

No

Using Compound: None

With Rsp Factor: 0.000

Use ISTD: None

If Peaks Missing

Correct All RTs Partial Calibration

OK Cancel Help

3. Изменить данные концентрации из мг/л в мг/л АА

The screenshot shows the 'Data Analysis' software interface. The main window displays a table of sample runs. Below this, the 'Calibration Table' is visible, which is used for concentration calculations. A red box highlights the column header 'Amt[мг/л безводного спирта]' in the calibration table, and a red arrow points to it from the top right of the image.

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	9.800	4.2736621	2.293	No	No	
2	4.075	FID1 A	метилацетат	1	9.200	3.5017428	2.627	No	No	
3	4.549	FID1 A	этилацетат	1	9.000	5.7722983	1.559	No	No	
4	4.632	FID1 A	метанол	1	1.0200e-2	44.9356804	2.2699e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	8.200	5.4521799	1.504	No	No	
6	5.032	FID1 A	этанол	1	40.000	01.1563000	1.9812e-4	No	No	
7	7.057	FID1 A	1-пропанол	1	8.000	7.2669249	1.101	No	No	
8	8.778	FID1 A	изобутиловый сп	1	8.000	7.9816589	1.002	No	No	
9	11.063	FID1 A	1-бутанол	1	8.100	8.0548649	1.006	No	No	
10	13.337	FID1 A	изоамиловый сп	1	8.100	8.3207760	9.7347e-1	No	No	

4. В результате должно быть

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis

SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001756.D) Overview

Calibration Table

#	RT	Signal	Compound	Lv	Amt[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.568	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722383	3.898	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	4.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1.1563000	3.909	No	No	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый сп.	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый сп.	1	20.250	8.3207760	2.434	No	No	

и 789270 для этанола

done Instrument 1 Ready

5. Нажать сюда

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software interface. The main window displays a table of data analysis results. A red arrow points from the text '5. Нажать сюда' to a red-bordered cell in the 'Calibration Table'.

Calibration Table

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	7.33	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.508	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	No	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый сп	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый сп	1	20.250	8.3207760	2.434	No	No	

6. Выбрать «ОК»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001756.D) Overview

Calibration Table

#	RT	Signal	Compound	Lvl	Amt(мг/л безвод)							
1	3.482	FID1 A	ацетальдегид	1								
2	4.075	FID1 A	метилацетат	1								
3	4.549	FID1 A	этилацетат	1								
4	4.632	FID1 A	метанол	1								
5	4.897	FID1 A	2-пропанол	1								
6	5.032	FID1 A	этанол	1		789270.000	1901.1563000	3.909	No	No		
7	7.057	FID1 A	1-пропанол	1		20.000	7.2669249	2.752	No	No		
8	8.778	FID1 A	изобутиловый сп	1		20.000	7.9816589	2.506	No	No		
9	11.063	FID1 A	1-бутанол	1		20.250	8.0548649	2.514	No	No		
10	13.337	FID1 A	изоамиловый сп	1		20.250	8.3207760	2.434	No	No		

Calibration Table: Instrument 1

There is no Internal Standard set up in the Calibration Table

OK

working on "Is ISTD" Instrument 1 Ready

7. Нажать сюда

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001756.D) Overview

Calibration Table

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	7.733	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.508	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	No	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый сп	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый сп	1	20.250	8.3207760	2.434	No	No	

Data Methods

Method and Run Control

Data Analysis

Report Layout

working on "Is ISTD"

Instrument 1 Ready

8. Выбрать «Yes»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis

SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001756.D) Overview

Calibration Table

#	RT	Signal	Compound	Lvl	Am[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	5.568	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.998	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	No	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый сп.	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый сп.	1	20.250	8.3207760	2.434	No	No	

Data Methods

Method and Run Control

Data Analysis

Report Layout

working on "Is ISTD"

Instrument 1

9. Появится окно, нажать «ОК»

Calibration Table: Instrument 1

ISTD #: 1

Sample Default ISTD Amount: 789270.000

OK Cancel Help

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.568	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	Yes	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый сп.	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый сп.	1	20.250	8.3207760	2.434	No	No	

10. Около каждого вещества появится «1»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis

SINGLERUNS: 2022-06-14 SIS

Use current method Ready/Reprocess Data Mode

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

Integration Calibration Signal

Report: Short

FID1 A, (2022-0...IG1G1001756.D) Overview

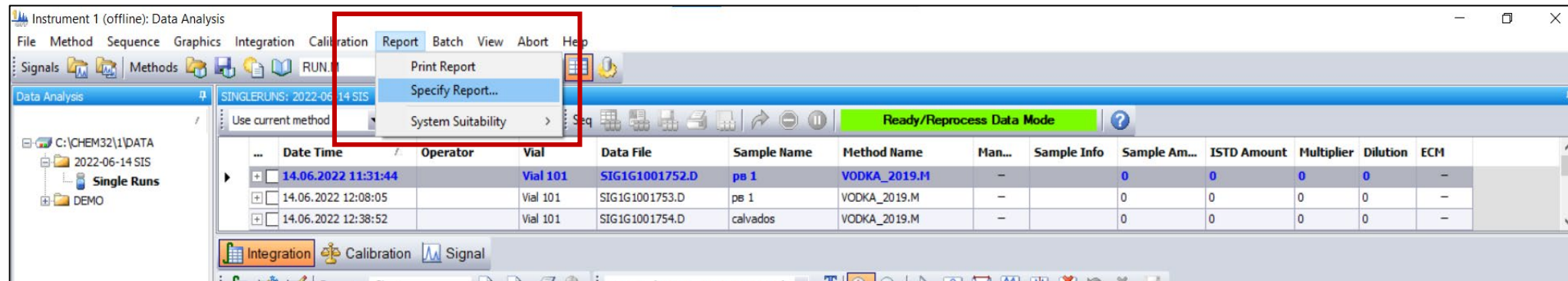
Calibration Table

#	RT	Signal	Compound	Lvl	Am[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	1
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.568	No	No	1
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	1
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	1
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	1
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	Yes	1
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	1
8	8.778	FID1 A	изобутиловый сп	1	20.000	7.9816589	2.506	No	No	1
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	1
10	13.337	FID1 A	изоамиловый сп	1	20.250	8.3207760	2.434	No	No	1

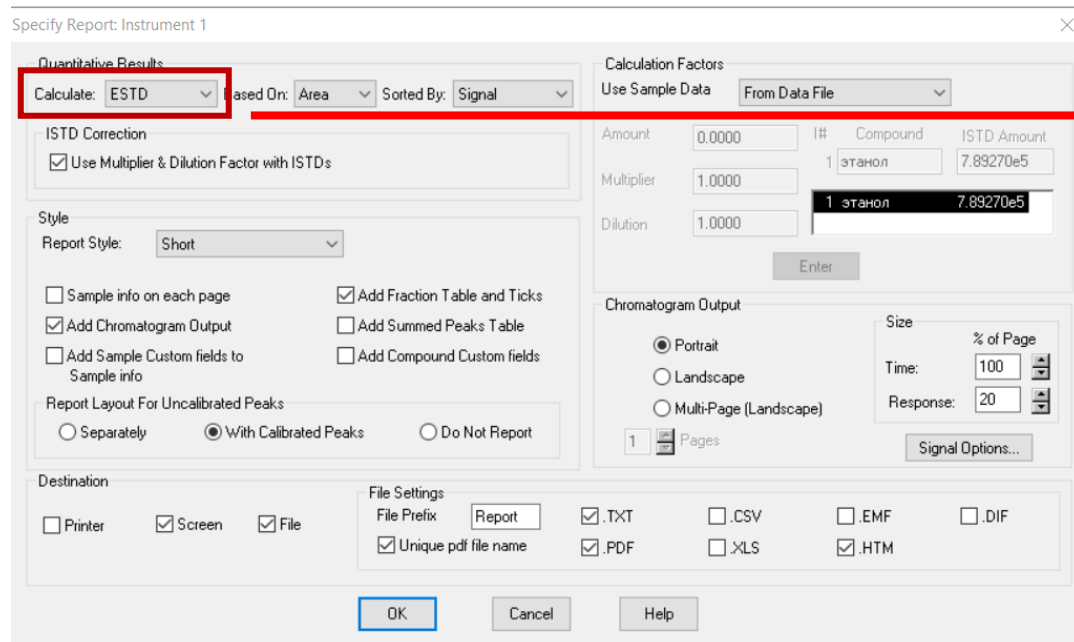
done

Instrument 1

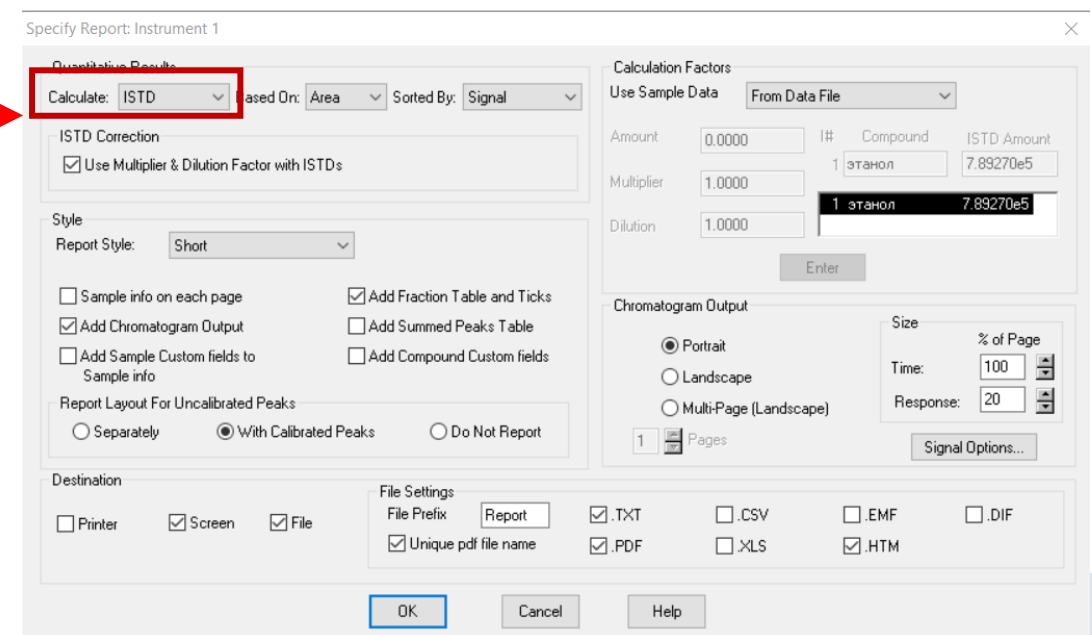
11. Выбрать «Specify report»



В окне будет это



Исправить на **ISTD**



9. Выбрать образец «Кальвадос»

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

Data Analysis SINGLERUNS: 2022-06-14 SIS

Use current method Seq Ready/Reprocess Data Mode

...	Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
▶	14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
	14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

Integration Calibration Signal

Report: Short FID1 A, (2022-0...IG1G1001754.D)

FID1 A, (2022-06-14 SIS\SIG1G1001754.D)

#	Time	Area	Height	Width	Symmetry
1	2.341	1.7E-1	8.8E-2	0.0249	0.477
2	2.415	2.2E-1	1E-1	0.03	1.33
3	2.57	2.1E-1	9.6E-2	0.0281	6.527
4	2.618	3.3E-1	1E-1	0.0414	1.036
5	3.117	1.1E-1	9.9E-2	0.0157	2.35
6	3.283	1.8E-1	1.1E-1	0.0301	4.482

File Information

GC-File	SIG1G1001754.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14-Jun-22, 12:38:52
Sample	calvados
Sample Info	
Barcode	

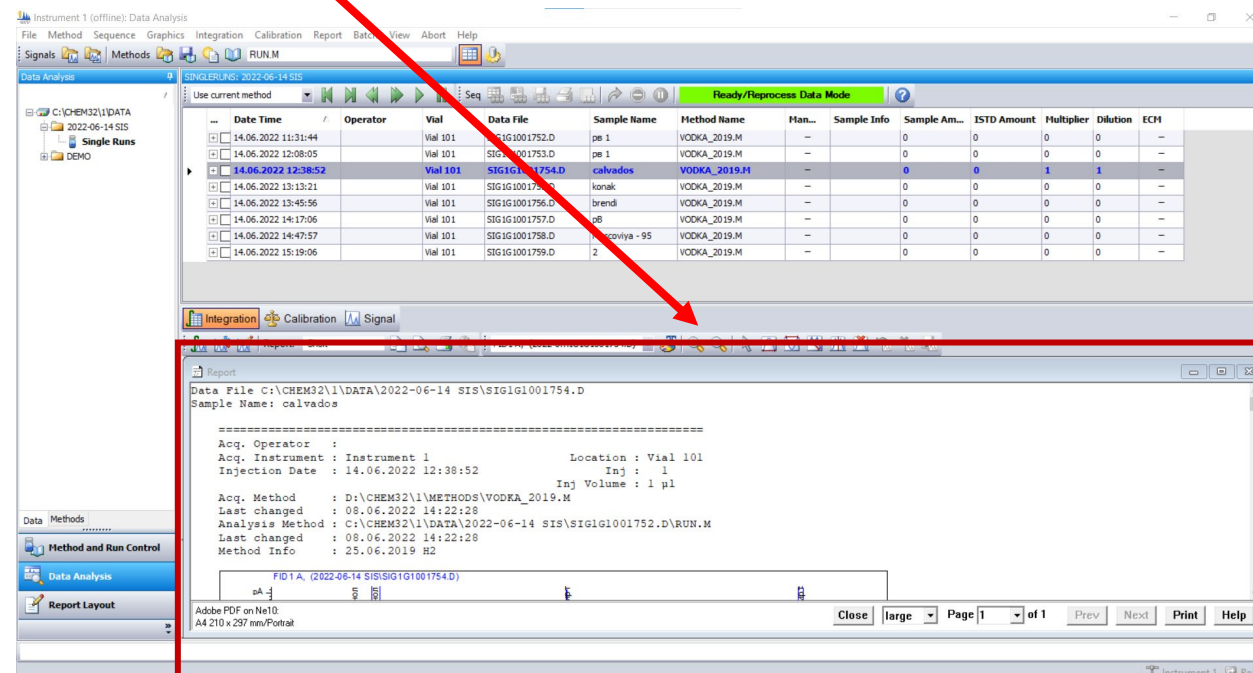
Integration done.

Instrument 1 Ready

10. Выбрать «Print report»



Отчет появится внизу



10. Нажать «Print» и сохранить как pdf

The screenshot shows the 'Instrument 1 (offline): Data Analysis' software. The main window displays a table of data runs. The selected row is for 'calvados' at 12:38:52. Below the table, there is a 'Report' window showing details for the selected sample. The 'Print' button in the bottom right corner of the report window is highlighted with a red box and a red arrow pointing to it from the top left of the image.

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	1	1	-
14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pe 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscovita - 95	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	0	0	-

```
Report
Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001754.D
Sample Name: calvados

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 12:38:52  Inj       : 1
                                           Inj Volume: 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 08.06.2022 14:22:28
Method Info    : 25.06.2019 H2

=====
FID 1 A, (2022-06-14 SIS\SIG1G1001754.D)
Adobe PDF on NetIO:
A4 210 x 297 mm/Portrait
Close large Page 1 of 1 Prev Next Print Help
```

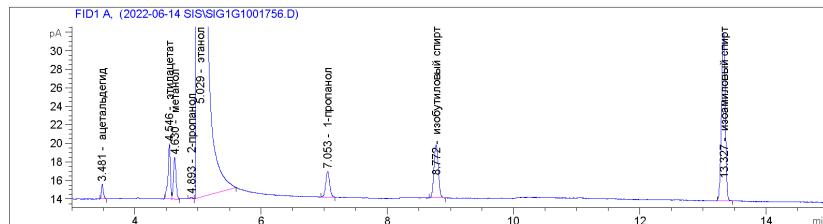
С остальными образцами сделать то же самое

Бренди

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001756.D
Sample Name: brendi

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:45:56 Inj : 1
                                           Inj Volume : 1 µl
Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method: C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:45:03
                                           (modified after loading)
Method Info    : 25.06.2019 H2
    
```



Internal Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#    мг/л безво
-----|-----|-----
1    7.89270e5    этанол
    
```

Signal 1: FID1 A,

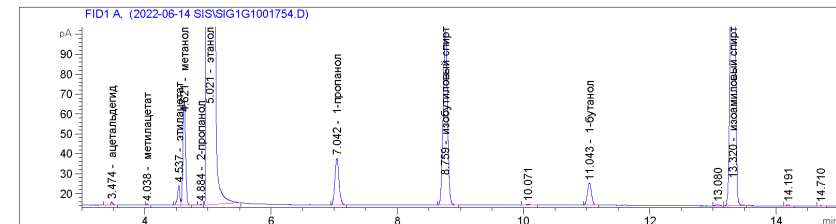
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.481	BB	1	3.30317	1.46649	19.42676		ацетальдегид
4.075	1	-	-	-	-		метилацетат
4.537	BV	1	16.05829	9.97119e-1	64.21497		этилацетат
4.630	VV	1	12.25589	1.45165e-4	7.13505e-3		метанол
4.893	BV	1	5.12686e-1	9.61827e-1	1.97760		2-пропанол
5.029	VB S I	1	1.96805e5	1.00000	7.89270e5		этанол
7.053	BB	1	12.09134	7.04032e-1	34.13948		1-пропанол
8.772	BB	1	27.49682	6.40988e-1	70.68425		изобутиловый спирт
11.063	1	-	-	-	-		1-бутанол
13.327	BB	1	75.22813	6.22550e-1	187.82128		изоамиловый спирт

Кальвадос

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001754.D
Sample Name: calvados

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 12:38:52 Inj : 1
                                           Inj Volume : 1 µl
Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method: C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:45:03
                                           (modified after loading)
Method Info    : 25.06.2019 H2
    
```



Internal Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#    мг/л безво
-----|-----|-----
1    7.89270e5    этанол
    
```

Signal 1: FID1 A,

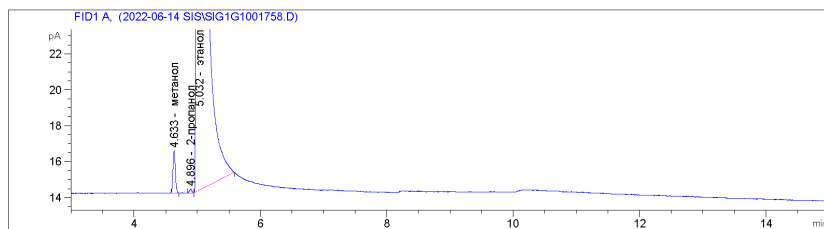
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.474	VB	1	4.07187	1.46649	22.57551		ацетальдегид
4.038	BB	1	1.18820	1.68018	7.54764		метилацетат
4.537	BV	1	25.57652	9.97119e-1	96.41677		этилацетат
4.621	VB	1	151.90663	1.45165e-4	8.33687e-2		метанол
4.884	BV	1	9.12119e-1	9.61827e-1	3.31675		2-пропанол
5.021	VB S I	1	2.08767e5	1.00000	7.89270e5		этанол
7.042	BB	1	106.25713	7.04032e-1	282.82301		1-пропанол
8.759	BB	1	422.23059	6.40988e-1	1023.20787		изобутиловый спирт
11.043	BB	1	49.33747	6.43102e-1	119.95573		1-бутанол
13.320	VB	1	1356.46594	6.22550e-1	3192.62153		изоамиловый спирт

Водка

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIGIG1001758.D
Sample Name: Moscoviya - 95

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 14:47:57 Inj       : 1
                                           Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIGIG1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                (modified after loading)
Method Info     : 25.06.2019 H2
    
```



Internal Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#     мг/л безво
-----
1     7.89270e5    этанол
    
```

Signal 1: FID1 A,

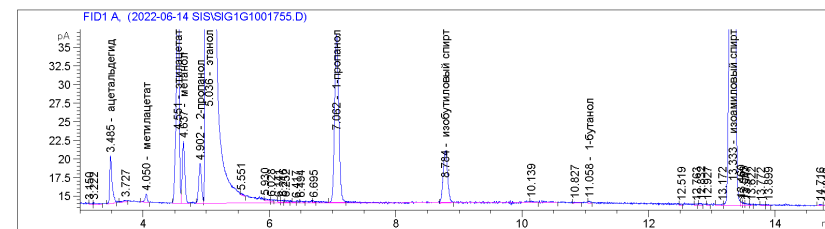
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.482	1	-	-	-	-	-	ацетальдегид
4.075	1	-	-	-	-	-	метилацетат
4.549	1	-	-	-	-	-	этилацетат
4.633	BB	1	6.31566	1.45165e-4	3.81264e-3	-	метанол
4.896	BV	1	5.5516e-1	9.61827e-1	2.22197	-	2-пропанол
5.032	VB S I	1	1.89793e5	1.00000	7.89270e5	-	этанол
7.057	1	-	-	-	-	-	1-пропанол
8.778	1	-	-	-	-	-	изобутиловый спирт
11.063	1	-	-	-	-	-	1-бутанол
13.337	1	-	-	-	-	-	изоамиловый спирт

Коньяк

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIGIG1001755.D
Sample Name: konak

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:13:21 Inj       : 1
                                           Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIGIG1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                (modified after loading)
Method Info     : 25.06.2019 H2
    
```



Internal Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount  Name
#     мг/л безво
-----
1     7.89270e5    этанол
    
```

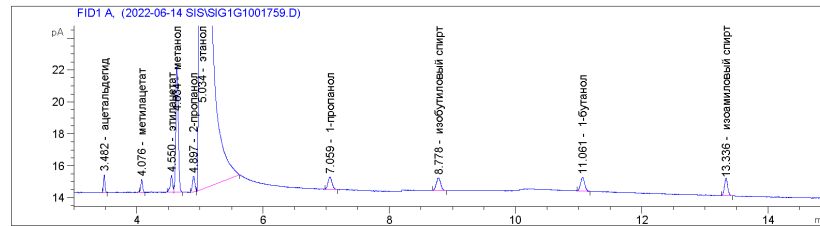
Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.485	VV	1	16.95651	1.46649	90.83207	-	ацетальдегид
4.050	BV	1	2.80551	1.68018	17.21838	-	метилацетат
4.551	BV	1	128.33510	9.97119e-1	467.42943	-	этилацетат
4.637	VB	1	24.14906	1.45165e-4	1.28052e-2	-	метанол
4.902	BV	1	16.46674	9.61827e-1	57.85330	-	2-пропанол
5.036	VB S I	1	2.16074e5	1.00000	7.89270e5	-	этанол
7.062	VV T	1	104.56990	7.04032e-1	268.91986	-	1-пропанол
8.784	BV T	1	34.57939	6.40988e-1	80.96382	-	изобутиловый спирт
11.058	BB	1	7.03571e-1	6.43102e-1	1.65277	-	1-бутанол
13.333	VV	1	854.57062	6.22550e-1	1943.32758	-	изоамиловый спирт

PB-2

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001759.D
Sample Name: 2

=====
Acq. Operator :
Acq. Instrument : Instrument 1 Location : Vial 101
Injection Date : 14.06.2022 15:19:06 Inj : 1
Inj Volume : 1 µl
Acq. Method : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed : 20.06.2022 14:45:03
(modified after loading)
Method Info : 25.06.2019 H2



Internal Standard Report

Sorted By : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD ISTD Amount Name
мг/л безво

#	ISTD	Amount	Name
1	7.89270e5	этанол	

Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.482	BB	1	1.84653	1.46649	11.08736		ацетальдегид
4.076	BB	1	1.60546	1.68018	11.04455		метилацетат
4.550	EV	1	2.68553	9.97119e-1	10.96401		этилацетат
4.634	VB	1	22.04287	1.45165e-4	1.31015e-2		метанол
4.897	BV	1	2.66154	9.61827e-1	10.48147		2-пропанол
5.034	VB S I	1	1.92767e5	1.00000	7.89270e5		этанол
7.059	BB	1	3.45941	7.04032e-1	9.97212		1-пропанол
8.778	BB	1	3.78041	6.40988e-1	9.92158		изобутиловый спирт
11.061	BB	1	3.85842	6.43102e-1	10.15972		1-бутанол
13.336	BB	1	4.01742	6.22550e-1	10.24032		изоамиловый спирт

Сравнение полученных результатов

Метод внешнего стандарта

Бренди

Метод внутреннего стандарта

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001756.D
Sample Name: brendi

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:45:56 Inj : 1
                                           Inj Volume : 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:30:13
Method Info    : 25.06.2019 H2
    
```

FID1 A, (2022-06-14 SIS\SIG1G1001756.D)

External Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,
    
```

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [мг/дм3]	Grp	Name
3.481	BB	3.30317	2.29312	7.57455		ацетальдегид
4.075		-	-	-		метилацетат
4.546	BV	16.05829	1.55917	25.03761		этилацетат
4.630	VV	12.25589	2.26991e-4	2.78198e-3		метанол
4.893	BV	5.12686e-1	1.50399	7.71072e-1		2-пропанол
5.029	VB S	1.96805e5	1.98117e-4	38.99031		этанол
7.053	BB	12.09134	1.10088	13.31109		1-пропанол
8.772	BB	27.49682	1.00230	27.56001		изобутиловый спирт
11.063		-	-	-		1-бутанол
13.327	BB	75.22813	9.73467e-1	73.23210		изоамиловый спирт
Totals :				186.47953		

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Instrument 1 20.06.2022 14:31:08 Page 1 of 2

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001756.D
Sample Name: brendi

```

=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:45:56 Inj : 1
                                           Inj Volume : 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:45:03
                                           (modified after loading)
Method Info    : 25.06.2019 H2
    
```

FID1 A, (2022-06-14 SIS\SIG1G1001756.D)

Internal Standard Report

```

=====
Sorted By      : Signal
Calib. Data Modified : 20 June 2022 г. 14:45:03
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD ISTD Amount Name
# мг/л безво
-----
1 7.89270e5 этанол

Signal 1: FID1 A,
    
```

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.481	BB	1	3.30317	1.46649	19.42676		ацетальдегид
4.075		1	-	-	-		метилацетат
4.546	BV	1	16.05829	9.97119e-1	64.21497		этилацетат
4.630	VV	1	12.25589	1.45165e-4	7.13505e-3		метанол
4.893	BV	1	5.12686e-1	9.61827e-1	1.97760		2-пропанол
5.029	VB S I	1	1.96805e5	1.00000	7.89270e5		этанол
7.053	BB	1	12.09134	7.04032e-1	34.13948		1-пропанол
8.772	BB	1	27.49682	6.40988e-1	70.68425		изобутиловый спирт
11.063		1	-	-	-		1-бутанол
13.327	BB	1	75.22813	6.22550e-1	187.82128		изоамиловый спирт

Instrument 1 20.06.2022 14:46:30 Page 1 of 2

Если значение крепости 40 %

$7.57455 \text{ мг/л} / 0,4 = 18,9 \text{ мг/л безводного спирта}$

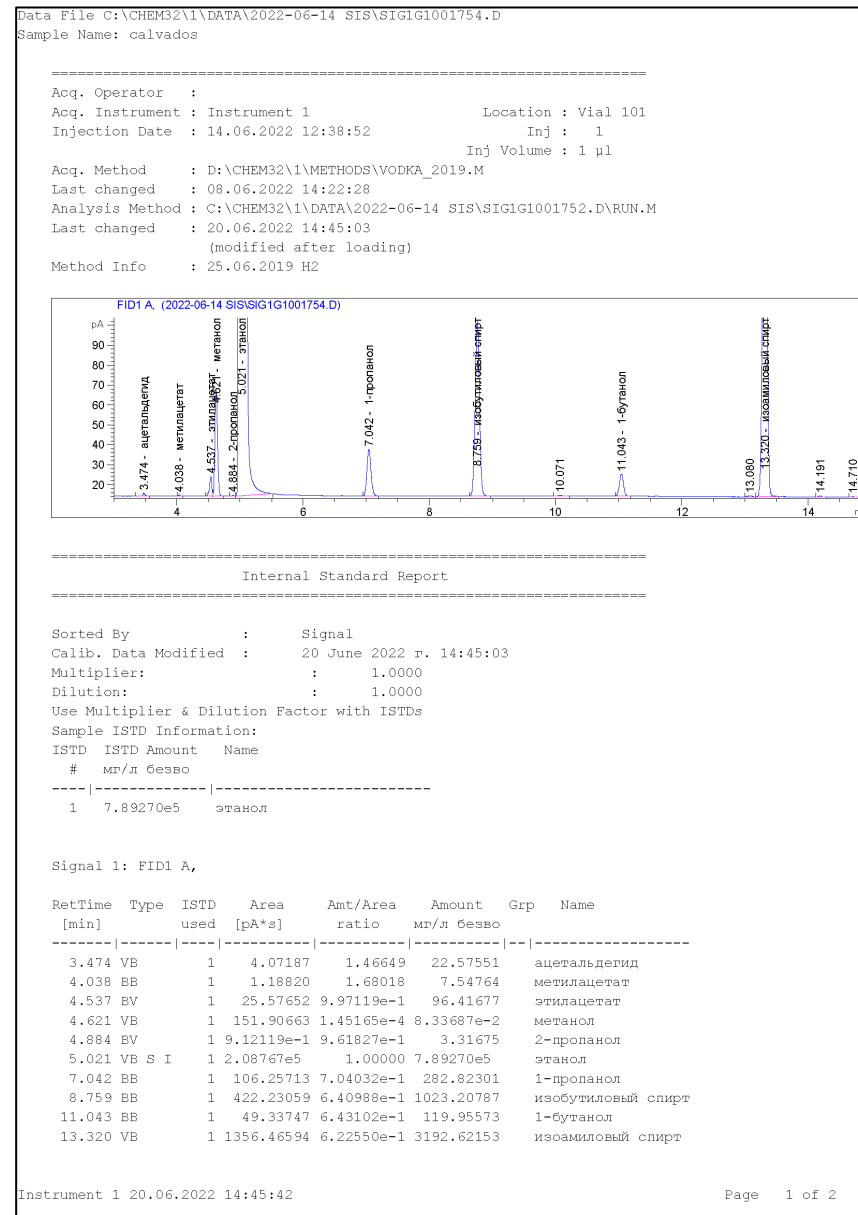
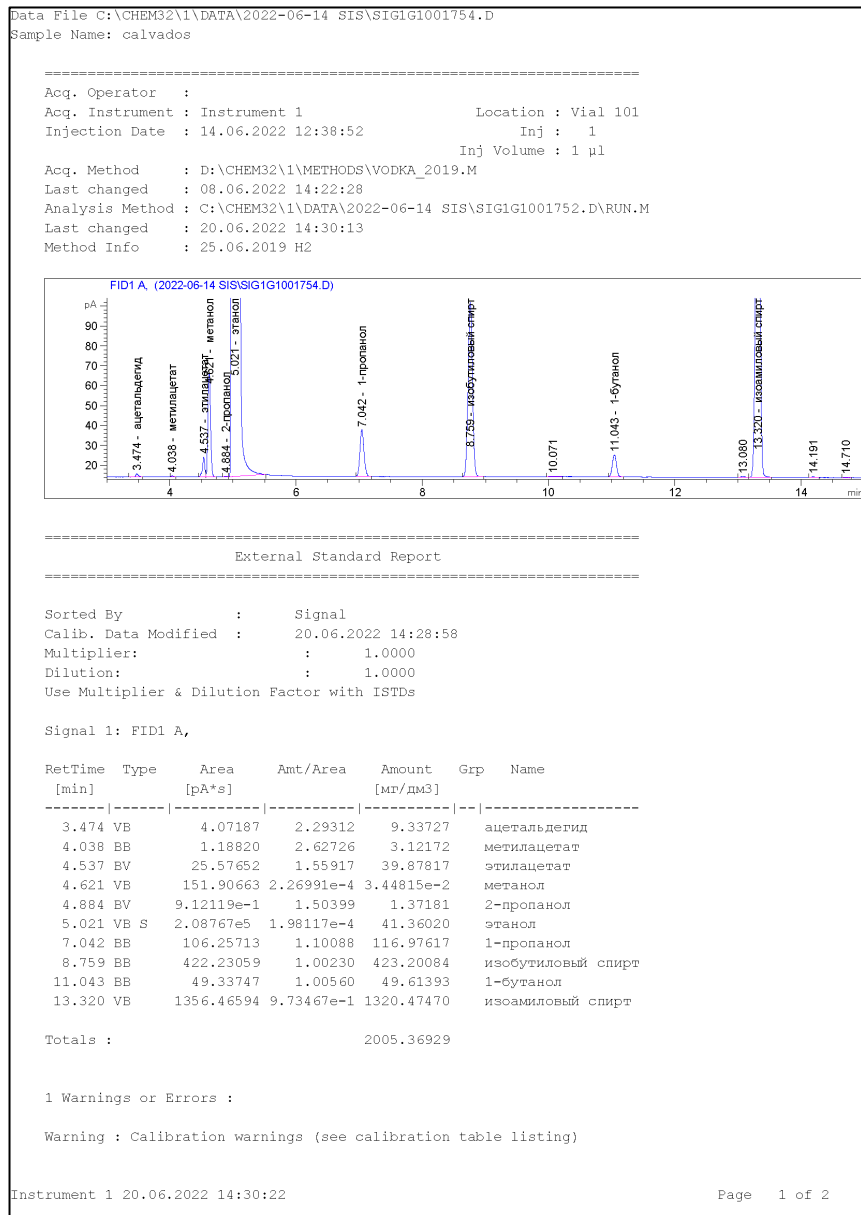
$$\frac{19,4 - 18,9}{18,9} \cdot 100 \% = 2,6 \%$$

Однако, значение крепости образца в соответствии с результатами измерений не 40 %.

Метод внешнего стандарта

Кальвадос

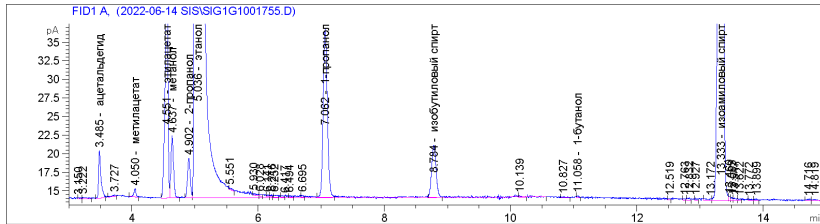
Метод внутреннего стандарта



Метод внешнего стандарта

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001755.D
Sample Name: konak

```
=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:13:21   Inj : 1
                                           Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:30:13
Method Info     : 25.06.2019 H2
=====
```



External Standard Report

```
Sorted By      : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [мг/дм³]	Grp	Name
3.485	VV	16.95651	2.29312	38.88323		ацетальдегид
4.050	BV	2.80551	2.62726	7.37081		метилацетат
4.551	BV	128.33510	1.55917	200.09636		этилацетат
4.637	VE	24.14906	2.26991e-4	5.48162e-3		метанол
4.902	BV	16.46674	1.50399	24.76574		2-пропанол
5.036	VB S	2.16074e5	1.98117e-4	42.80782		этанол
7.062	VV T	104.56990	1.10088	115.11874		1-пропанол
8.784	PV T	34.57939	1.00230	34.65885		изобутиловый спирт
11.058	BB	7.03571e-1	1.00560	7.07514e-1		1-бутанол
13.333	VV	854.57062	9.73467e-1	831.89621		изоамиловый спирт

Totals : 1296.31075

1 Warnings or Errors :

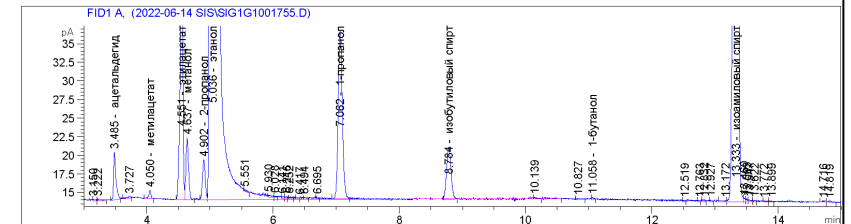
Warning : Calibration warnings (see calibration table listing)

КОНЬЯК

Метод внутреннего стандарта

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001755.D
Sample Name: konak

```
=====
Acq. Operator   :
Acq. Instrument : Instrument 1           Location : Vial 101
Injection Date  : 14.06.2022 13:13:21   Inj : 1
                                           Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                                           (modified after loading)
Method Info     : 25.06.2019 H2
=====
```



Internal Standard Report

```
Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Sample ISTD Information:

ISTD #	ISTD Amount	Name
1	7.89270e5	этанол

Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.485	VV	1	16.95651	1.46649	90.83207		ацетальдегид
4.050	BV	1	2.80551	1.68018	17.21838		метилацетат
4.551	BV	1	128.33510	9.97119e-1	467.42943		этилацетат
4.637	VB	1	24.14906	1.45165e-4	1.28052e-2		метанол
4.902	BV	1	16.46674	9.61827e-1	57.85330		2-пропанол
5.036	VB S I	1	2.16074e5	1.00000	7.89270e5		этанол
7.062	VV T	1	104.56990	7.04032e-1	268.91986		1-пропанол
8.784	PV T	1	34.57939	6.40988e-1	80.96382		изобутиловый спирт
11.058	BB	1	7.03571e-1	6.43102e-1	1.65277		1-бутанол
13.333	VV	1	854.57062	6.22550e-1	1943.32758		изоамиловый спирт

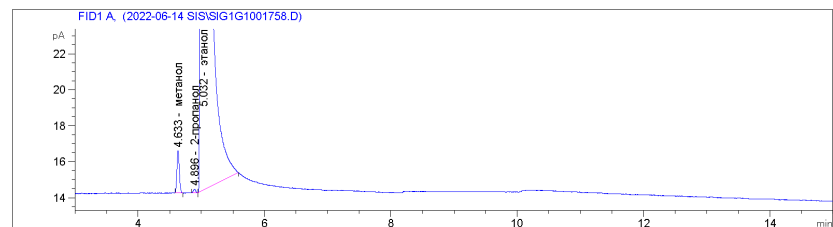
Метод внешнего стандарта

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001758.D
Sample Name: Moscoviya - 95

```

=====
Acq. Operator   :                               Location : Vial 101
Acq. Instrument : Instrument 1                   Inj       : 1
Injection Date  : 14.06.2022 14:47:57           Inj Volume: 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:30:13
Method Info    : 25.06.2019 H2
    
```



External Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20.06.2022 14:28:58
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Signal 1: FID1 A,

RetTime [min]	Type	Area [pA*s]	Amt/Area	Amount [µg/µl]	Grp	Name
3.482	-	-	-	-	-	ацетальдегид
4.075	-	-	-	-	-	метилацетат
4.549	-	-	-	-	-	этилацетат
4.633	BB	6.31566	2.26991e-4	1.43360e-3	-	метанол
4.896	BV	5.55516e-1	1.50399	8.35488e-1	-	2-пропанол
5.032	VB S	1.89793e5	1.98117e-4	37.60121	-	этанол
7.057	-	-	-	-	-	1-пропанол
8.778	-	-	-	-	-	изобутиловый спирт
11.063	-	-	-	-	-	1-бутанол
13.337	-	-	-	-	-	изоамиловый спирт

Totals : 38.43813

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Водка

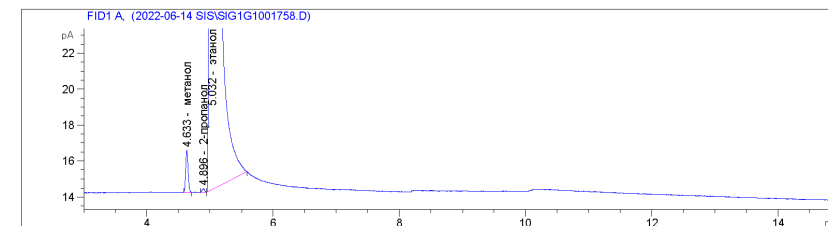
Метод внутреннего стандарта

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001758.D
Sample Name: Moscoviya - 95

```

=====
Acq. Operator   :                               Location : Vial 101
Acq. Instrument : Instrument 1                   Inj       : 1
Injection Date  : 14.06.2022 14:47:57           Inj Volume: 1 µl

Acq. Method    : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed   : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed   : 20.06.2022 14:45:03
                : (modified after loading)
Method Info    : 25.06.2019 H2
    
```



Internal Standard Report

```

Sorted By      : Signal
Calib. Data Modified : 20 June 2022 r. 14:45:03
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
    
```

Sample ISTD Information:

ISTD #	ISTD Amount	Name
1	7.89270e5	этанол

Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount µg/µl	Grp	Name
3.482	1	-	-	-	-	-	ацетальдегид
4.075	1	-	-	-	-	-	метилацетат
4.549	1	-	-	-	-	-	этилацетат
4.633	BB	1	6.31566	1.45165e-4	3.81264e-3	-	метанол
4.896	BV	1	5.55516e-1	9.61827e-1	2.22197	-	2-пропанол
5.032	VB S I	1	1.89793e5	1.00000	7.89270e5	-	этанол
7.057	1	-	-	-	-	-	1-пропанол
8.778	1	-	-	-	-	-	изобутиловый спирт
11.063	1	-	-	-	-	-	1-бутанол
13.337	1	-	-	-	-	-	изоамиловый спирт

Метод внешнего стандарта

PВ-2

Метод внутреннего стандарта

