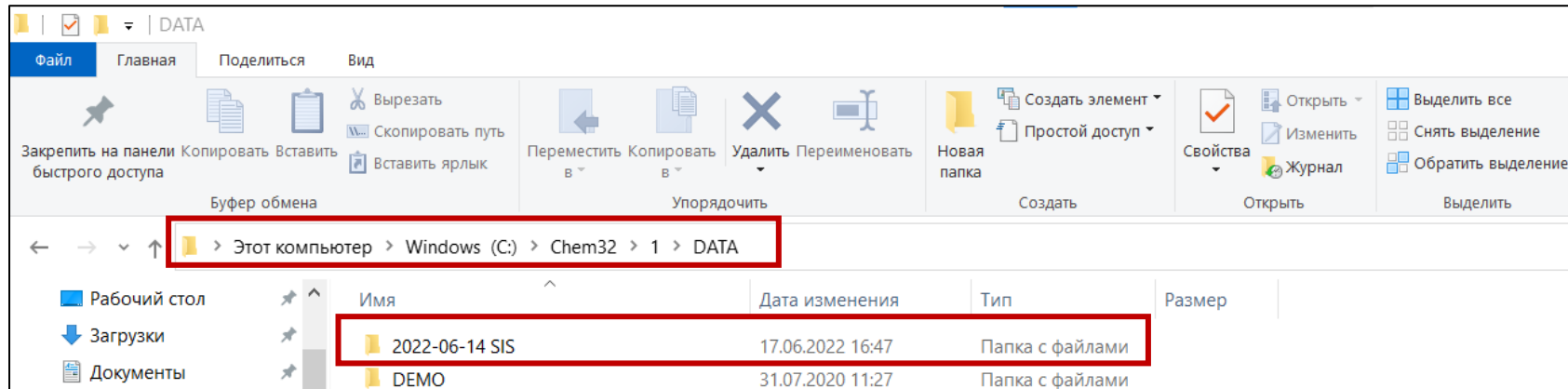
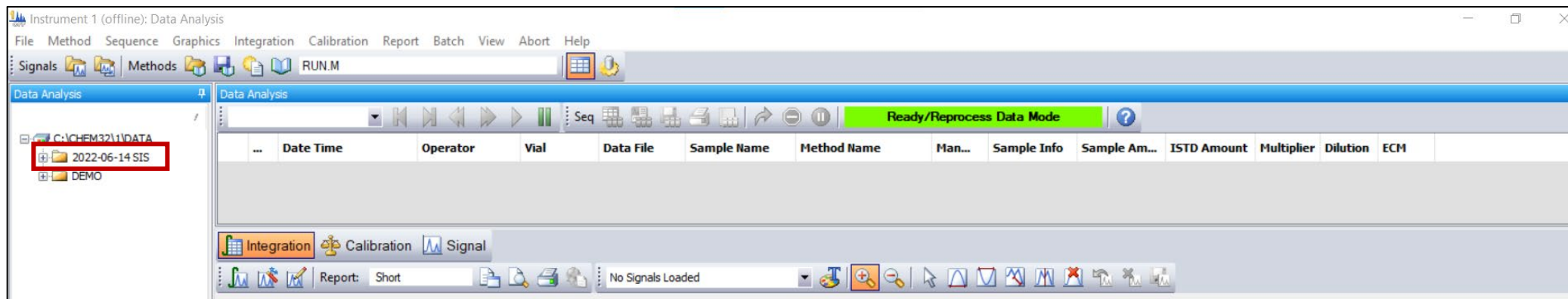


Innovative Internal standard
method for
Agilent Chemstation

1. Place a folder with measurements by ChemStation



It will appear in ChemStation



2. Download files

The screenshot displays the GC ChemStation software interface. The main window is titled "Instrument 1 (offline): Data Analysis". The menu bar includes File, Method, Sequence, Graphics, Integration, Calibration, Report, Batch, View, Abort, and Help. The toolbar shows various icons for file operations and analysis. A file browser on the left shows the directory structure: C:\CHEM32\1\DATA, 2022-06-14 SIS, Single Runs, and DEMO. A context menu is open over the DEMO folder, with options: Load, Overlay, and Help. The main data table is empty, with columns: Date Time, Operator, Vial, Data File, Sample Name, Method Name, Man..., Sample Info, Sample Am..., ISTD Amount, Multiplier, Dilution, and ECM. The status bar at the bottom indicates "Welcome to GC ChemStation." and "Instrument 1 Ready".

Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
-----------	----------	------	-----------	-------------	-------------	--------	-------------	--------------	-------------	------------	----------	-----

3. Files will appear here

The screenshot displays the 'Instrument 1 (offline): Data Analysis' software interface. The main window is titled 'SINGLERUNS: 2022-06-14 SIS' and is in 'Ready/Reprocess Data Mode'. The interface includes a menu bar (File, Method, Sequence, Graphics, Integration, Calibration, Report, Batch, View, Abort, Help) and a toolbar with various icons. A left-hand pane shows the file structure: C:\CHEM32\1\DATA, 2022-06-14 SIS, Single Runs, and DEMO. The central area contains a table of data files and a chromatogram plot. The table lists columns: Date Time, Operator, Vial, Data File, Sample Name, Method Name, Man..., Sample Info, Sample Am..., ISTD Amount, Multiplier, Dilution, and ECM. The chromatogram plot shows a signal (pA) versus time (min) with peaks labeled at 4.567, 4.827, and 4.962 minutes. A bottom panel displays 'File Information' and a table of peak data.

#	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.

4. Select a file to be used as a calibration

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)

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

#	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

Integration done. Instrument 1 Ready

5. Go to Integration tab and click here

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View Abort Help

Signals Methods RUN.M

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	SIG1G1001753.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	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)

Auto Integrate: Find suitable integration parameters for current Chromatogram(s)

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

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	

Done Auto Integrate peaks found: 12

Instrument 1 Busy

6. Create a new calibration table

Instrument 1 (offline): Data Analysis

File Method Sequence Graphics Integration Calibration Report Batch View About Help

Signals Methods

Data Analysis

SINGLERUNS: 20

Use current m

14.0

14.0

14.0

Integratio

Ready/Reprocess Data Mode

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

FID1 A, (2022-0...IG1G1001752.D)

18
17
16
15
14

4 6 8 10 12 14 min

4.567 - этанол
4.827 - 2-пропанол
4.962 - этано

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

Prepare new Calibration Table from current chromatogram

Instrument 1 Ready

7. A window will appear, click "OK"

The screenshot shows the 'Data Analysis' software interface. A dialog box titled 'New Calibration Table' is open, with the 'Automatic Setup' option selected and 'Level' set to 1. A green arrow points to the 'OK' button. The background shows a chromatogram with peaks at 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

8. A window will appear, click "OK"

The screenshot shows the 'Data Analysis' window of a chromatography software. A warning dialog box titled 'WARNING: Instrument 1' is overlaid on the chromatogram, asking 'Overwrite existing calibration table?' with 'Да' (Yes) and 'Нет' (No) buttons. A green arrow points from the text 'A window will appear, click "OK"' to the dialog box. The background shows a chromatogram with peaks at retention times 4.567, 4.827, and 4.962 minutes. Below the plot 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

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

9. A table will appear, fill it in, click "OK"

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	p8 1	VODKA_2019.M	-		0	0	0	0	-
14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	p8 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	p8	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	276489854e-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

10. A window will appear, click "OK"

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
<input type="checkbox"/>	14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	pB 1	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	pB 1	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	--		0	0	0	0	--
<input checked="" type="checkbox"/>	14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	--		0	0	0	0	--
<input type="checkbox"/>	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

#	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

done

Instrument 1

11. A window will appear, click "OK"

The screenshot displays the 'Data Analysis' window of a chromatography software. 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 to the 'OK' button in the dialog box. The background shows a chromatogram with several peaks and a table of calibration data.

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	изоамилол	1	8.100	8.3207760	9.7347e-1	No	No	

Calibration Curve

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

12. Select the sample "Calvados"

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
<input type="checkbox"/>	14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	ps 1	VODKA_2019.M	-		0	0	0	0	-
<input checked="" type="checkbox"/>	14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	0	0	-
<input type="checkbox"/>	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)

18
17
16
15
14

4 6 8 10 12 14 min

1.117, 1.217, 1.317, 1.417, 1.517, 1.617, 1.717, 1.817, 1.917, 2.017, 2.117, 2.217, 2.317, 2.417, 2.517, 2.617, 2.717, 2.817, 2.917, 3.017, 3.117, 3.217, 3.317, 3.417, 3.517, 3.617, 3.717, 3.817, 3.917, 4.017, 4.117, 4.217, 4.317, 4.417, 4.517, 4.617, 4.717, 4.817, 4.917, 5.017, 5.117, 5.217, 5.317, 5.417, 5.517, 5.617, 5.717, 5.817, 5.917, 6.017, 6.117, 6.217, 6.317, 6.417, 6.517, 6.616, 6.717, 6.817, 6.917, 7.017, 7.117, 7.217, 7.317, 7.417, 7.517, 7.617, 7.717, 7.817, 7.917, 8.017, 8.117, 8.217, 8.317, 8.417, 8.517, 8.617, 8.717, 8.817, 8.917, 9.017, 9.117, 9.217, 9.317, 9.417, 9.517, 9.617, 9.717, 9.817, 9.917, 10.017, 10.071, 10.117, 10.217, 10.317, 10.417, 10.517, 10.617, 10.717, 10.817, 10.917, 11.017, 11.043, 11.117, 11.217, 11.317, 11.417, 11.517, 11.617, 11.717, 11.817, 11.917, 12.017, 12.117, 12.217, 12.317, 12.417, 12.517, 12.617, 12.717, 12.817, 12.917, 13.017, 13.080, 13.117, 13.217, 13.317, 13.417, 13.517, 13.617, 13.717, 13.817, 13.917, 14.017, 14.117, 14.181, 14.217, 14.317, 14.417, 14.517, 14.617, 14.710, 14.804, 14.917, 15.017, 15.117, 15.217, 15.317, 15.417, 15.517, 15.617, 15.717, 15.817, 15.917, 16.017, 16.117, 16.217, 16.317, 16.417, 16.517, 16.617, 16.717, 16.817, 16.917, 17.017, 17.117, 17.217, 17.317, 17.417, 17.517, 17.617, 17.717, 17.817, 17.917, 18.017.

18
17
16
15
14

4 6 8 10 12 14 min

1.117, 1.217, 1.317, 1.417, 1.517, 1.617, 1.717, 1.817, 1.917, 2.017, 2.117, 2.217, 2.317, 2.417, 2.517, 2.617, 2.717, 2.817, 2.917, 3.017, 3.117, 3.217, 3.317, 3.417, 3.517, 3.617, 3.717, 3.817, 3.917, 4.017, 4.117, 4.217, 4.317, 4.417, 4.517, 4.617, 4.717, 4.817, 4.917, 5.017, 5.117, 5.217, 5.317, 5.417, 5.517, 5.617, 5.717, 5.817, 5.917, 6.017, 6.117, 6.217, 6.317, 6.417, 6.517, 6.616, 6.717, 6.817, 6.917, 7.017, 7.117, 7.217, 7.317, 7.417, 7.517, 7.617, 7.717, 7.817, 7.917, 8.017, 8.117, 8.217, 8.317, 8.417, 8.517, 8.617, 8.717, 8.817, 8.917, 9.017, 9.117, 9.217, 9.317, 9.417, 9.517, 9.617, 9.717, 9.817, 9.917, 10.017, 10.071, 10.117, 10.217, 10.317, 10.417, 10.517, 10.617, 10.717, 10.817, 10.917, 11.017, 11.043, 11.117, 11.217, 11.317, 11.417, 11.517, 11.617, 11.717, 11.817, 11.917, 12.017, 12.117, 12.217, 12.317, 12.417, 12.517, 12.617, 12.717, 12.817, 12.917, 13.017, 13.080, 13.117, 13.217, 13.317, 13.417, 13.517, 13.617, 13.717, 13.817, 13.917, 14.017, 14.117, 14.181, 14.217, 14.317, 14.417, 14.517, 14.617, 14.710, 14.804, 14.917, 15.017, 15.117, 15.217, 15.317, 15.417, 15.517, 15.617, 15.717, 15.817, 15.917, 16.017, 16.117, 16.217, 16.317, 16.417, 16.517, 16.617, 16.717, 16.817, 16.917, 17.017, 17.117, 17.217, 17.317, 17.417, 17.517, 17.617, 17.717, 17.817, 17.917, 18.017.

File Information

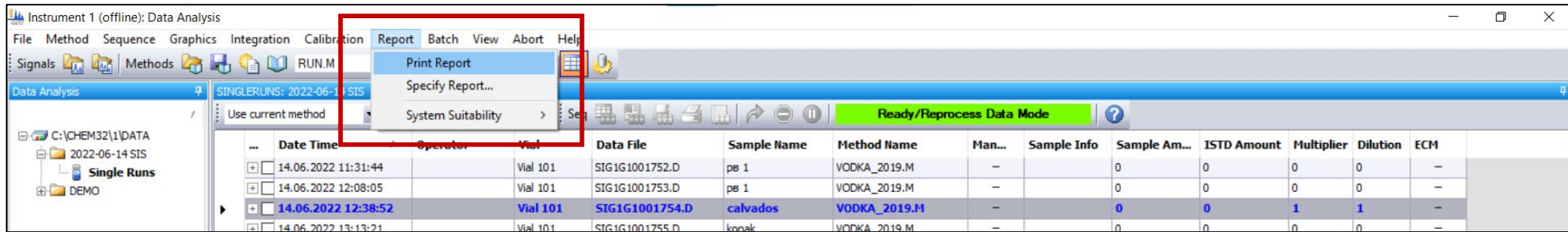
GC-File	SIG1G1001754.D
File Path	C:\CHEM32\1\DATA\2022-06-14 SIS\
Date	14-Jun-22, 12:38:52
Sample	calvados
Sample Info	
Barcode	

#	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

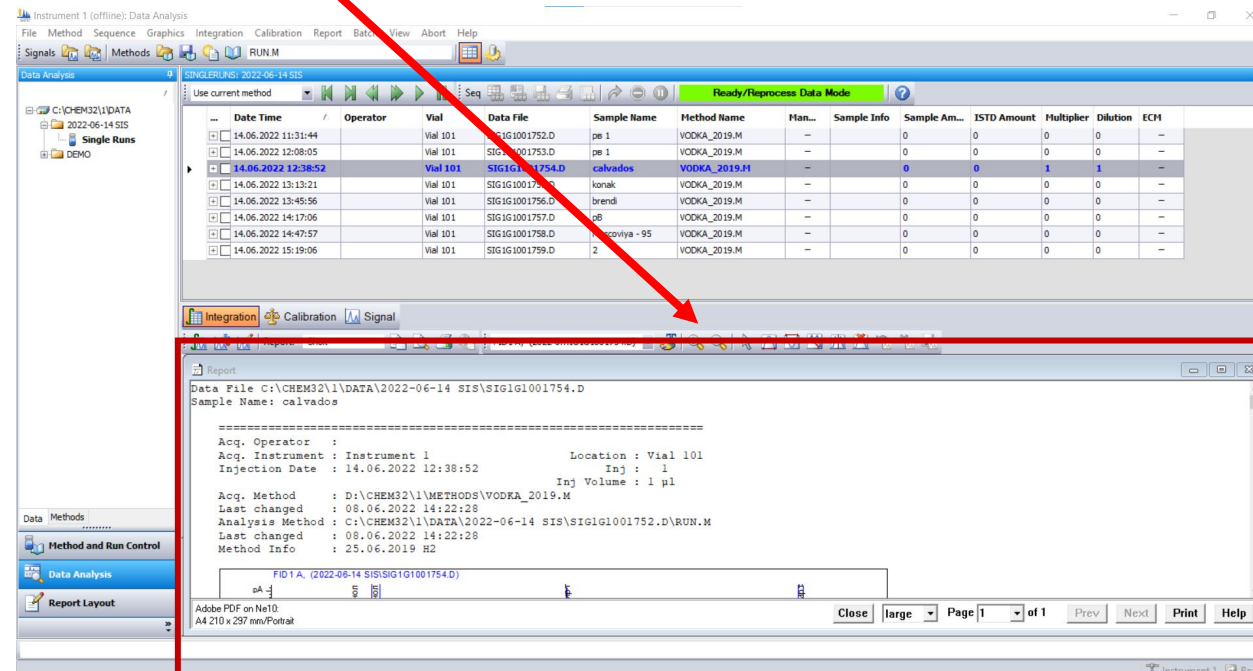
Integration done.

Instrument 1 Ready

13. Select "Print report"



The report will appear below



14. Select "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 box. 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

15. Make changes to Calibration settings

This will be in the window

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

Fix to

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 спирта

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

16. Change concentration data from mg/l to mg/l AA

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	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	

done Instrument 1 Ready

17. The result should be

The screenshot shows the 'Data Analysis' window of 'Instrument 1 (offline)'. The main table displays run data for 'SINGLERUNS: 2022-06-14 SIS'. Below it, the 'Calibration Table' is visible, containing the following data:

#	RT	Signal	Compound	Ly	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	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	

A red box highlights the 'Am[мг/л безводного спирта]' column, and a red arrow points to it from the top of the slide.

and 789270 for ethanol

18. Click here

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

19. Click «OK»

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 безводн							
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 спир	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 спир	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

20. Click here

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	7.33	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	

Data Methods

Method and Run Control

Data Analysis

Report Layout

working on "Is ISTD"

Instrument 1 Ready

21. Click «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

22. Window will appear, «OK»

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

Calibration Table: Instrument 1

ISTD #: 1

Sample Default ISTD Amount: 789270.000

OK Cancel Help

Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	-		0	0	1	1	-
2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	-		0	0	1	1	-
2022 14:17:06		Vial 101	SIG1G1001757.D	p8	VODKA_2019.M	-		0	0	0	0	-
2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	-		0	0	1	1	-
2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	-		0	0	1	1	-

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	5.733	No	No	
2	4.075	FID1 A	метилицетат	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	

working on "Is ISTD"

23. A "1" will appear next to each substance

Instrument 1 (offline): Data Analysis

SINGLERUNS: 2022-06-14 SIS

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

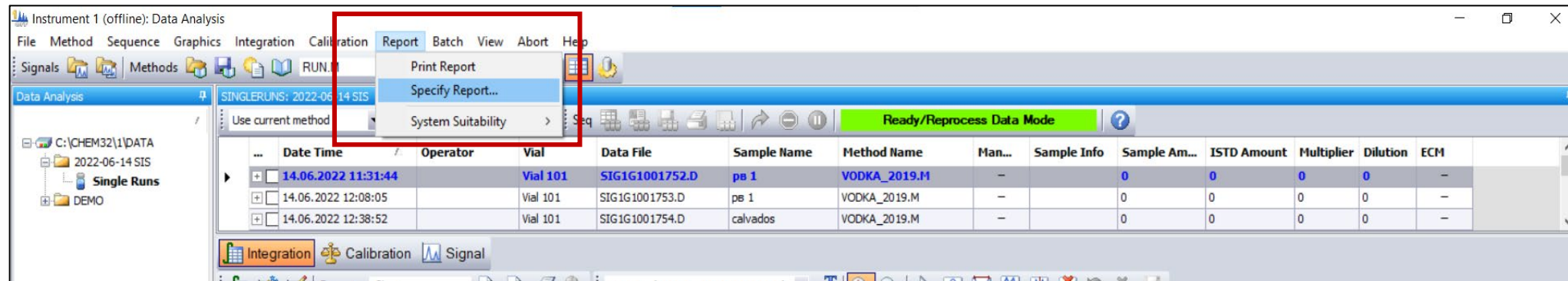
Report: Short

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

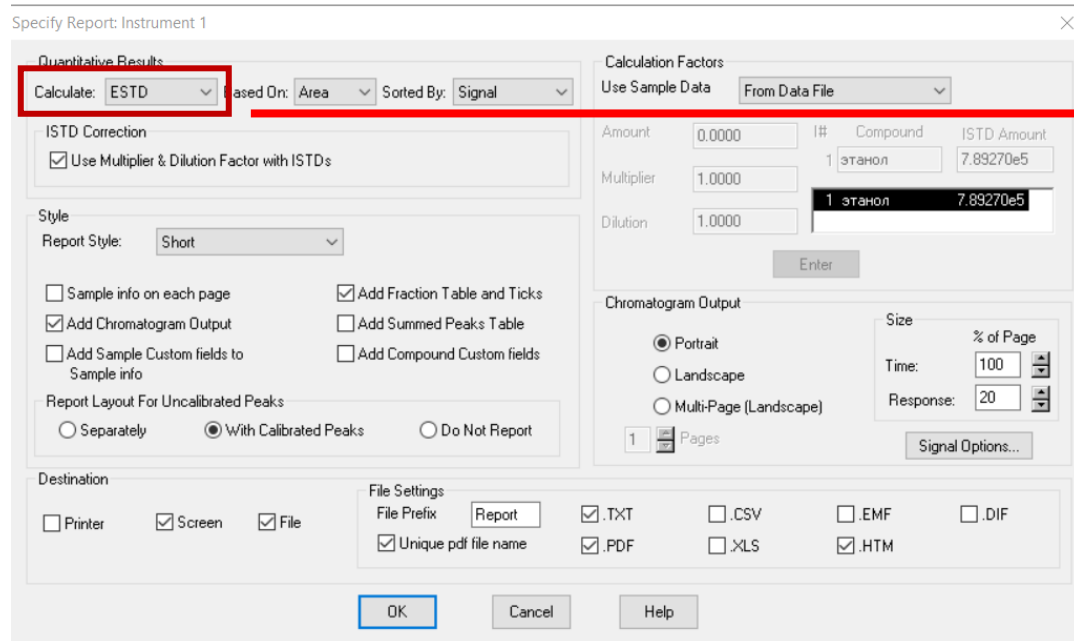
Calibration Table

#	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	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

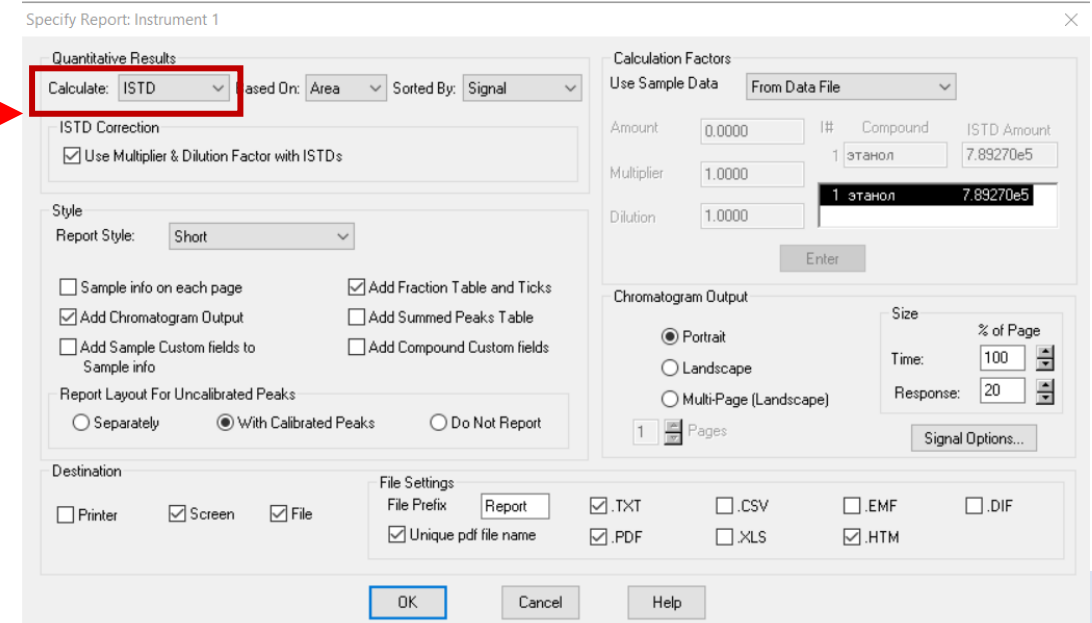
24. Choose «Specify report»



**This will be in
the window**



Fix to ISTD



25. Select sample "Calvados"

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

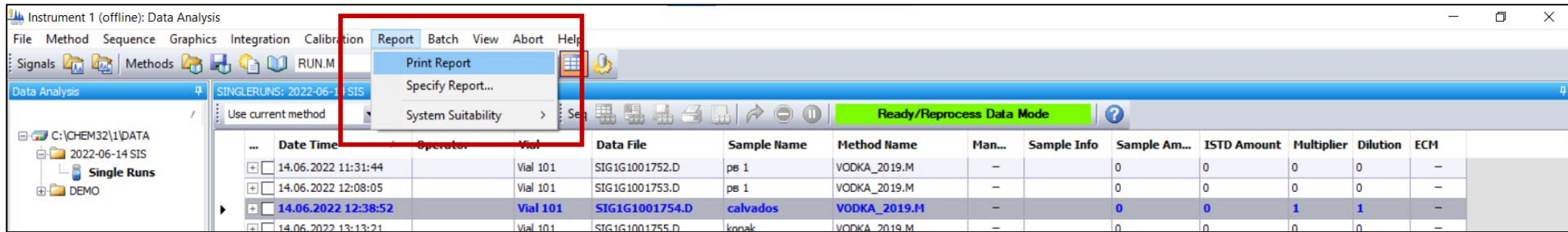
Use current method Ready/Reprocess Data Mode

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

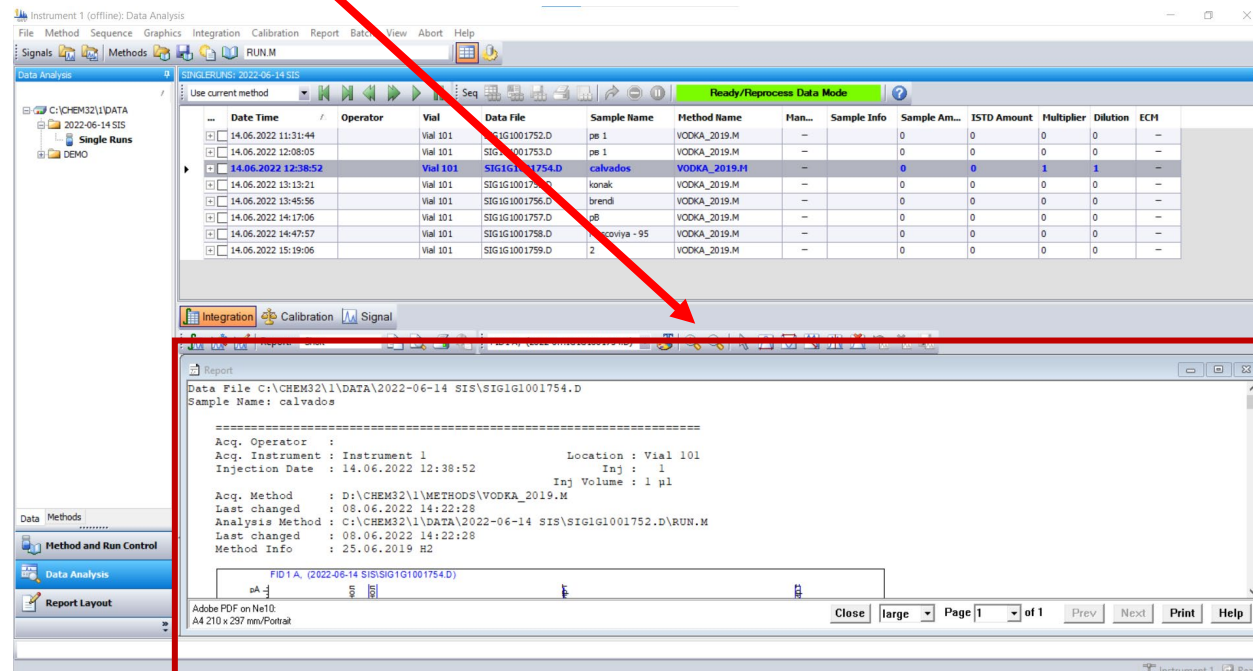
Integration Calibration Signal

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

26. Click «Print report»



The report will appear below



27. Click "Print" and save as pdf

The screenshot shows the 'Data Analysis' window of the 'Instrument 1 (offline)' software. The main window displays a table of sample runs. The selected row is for 'calvados' at 14.06.2022 12:38:52. Below the table, the 'Report' window is open, showing the following details:

```
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
```

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.

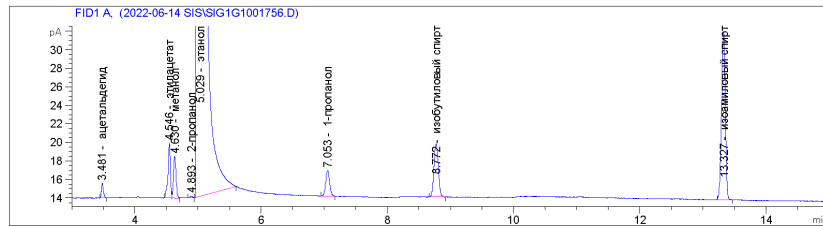
Do the same with the rest of the samples.

Brandy

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,

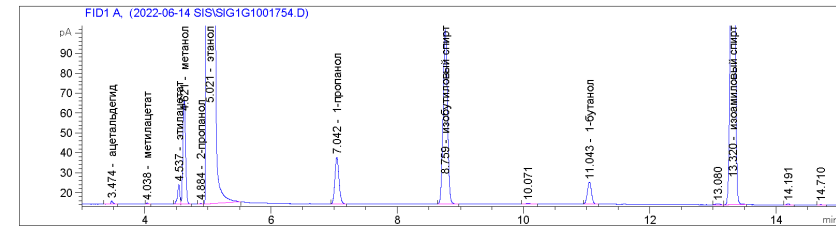
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.481	BB	1	3.30317	1.46649	19.42676		ацетальдегид
4.075	1	-	-	-	-		метилацетат
4.546	BV	1	16.05829	9.97119e-1	64.21497		этилацетат
4.630	VV	1	12.25589	1.45165e-4	7.13505e-3		метанол
4.893	BV	1	5.12686e-1	9.61827e-1	1.97760		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

Calvados

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,

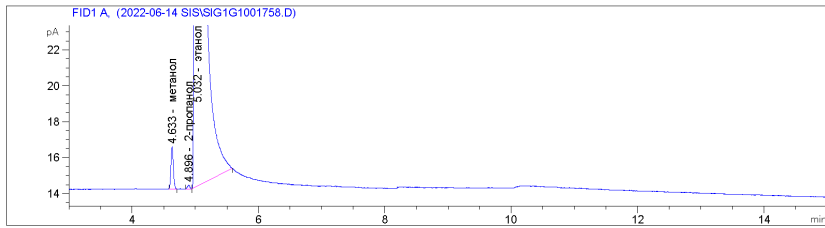
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.474	VB	1	4.07187	1.46649	22.57551		ацетальдегид
4.038	BB	1	1.18820	1.68018	7.54764		метилацетат
4.537	BV	1	25.57652	9.97119e-1	96.41677		этилацетат
4.621	VB	1	151.90663	1.45165e-4	8.33687e-2		метанол
4.884	BV	1	9.12119e-1	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

Vodka

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 14:45:03
                (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

#	мг/л безво	Name
1	7.89270e5	этанол

Signal 1: FID1 A,

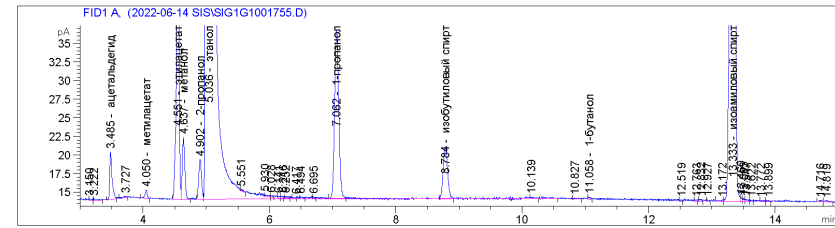
RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.482	1	-	-	-	-	-	ацетальдегид
4.075	1	-	-	-	-	-	метилацетат
4.549	1	-	-	-	-	-	этилацетат
4.633	BB	1	6.31566	1.45165e-4	3.81264e-3	-	метанол
4.896	BV	1	5.55516e-1	9.61827e-1	2.22197	-	2-пропанол
5.032	VB S I	1	1.89793e5	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

Konyak

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

мг/л безво

#	мг/л безво	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	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

