

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089291.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 20:29
 Operator : AR\AJ
 Sample : Q2458-04MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-67MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/02/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:51:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	55732238	361.4E6	19.534	21.320m
28)	SA Decachlor...	9.072	8.071	64068843	326.0E6	16.312	16.489
Target Compounds							
2)	A alpha-BHC	3.999	3.392	278.1E6	1280.4E6	47.705	47.780m
3)	MA gamma-BHC...	4.330	3.728	262.7E6	1164.8E6	47.062	47.051m
4)	MA Heptachlor	4.929	4.083	242.1E6	1097.5E6	44.409	43.834
5)	MB Aldrin	5.271	4.368	257.6E6	1170.8E6	48.478	48.344
6)	B beta-BHC	4.516	4.025	102.6E6	510.5E6	46.476	47.502
7)	B delta-BHC	4.764	4.262	248.2E6	1132.1E6	48.351	45.515
8)	B Heptachlo...	5.691	4.872	228.5E6	1073.2E6	47.363	49.007
9)	A Endosulfan I	6.074	5.247	215.9E6	988.2E6	47.891	47.414
10)	B gamma-Chl...	5.944	5.126	234.5E6	1176.0E6	48.972m	49.159
11)	B alpha-Chl...	6.027	5.190	235.0E6	1101.1E6	48.571	48.090
12)	B 4,4'-DDE	6.196	5.375	211.8E6	1104.5E6	48.566	48.199
13)	MA Dieldrin	6.347	5.513	227.9E6	1108.4E6	47.512	47.757
14)	MA Endrin	6.574	5.789	185.0E6	991.1E6	44.844	45.643
15)	B Endosulfa...	6.786	6.080	186.4E6	938.2E6	46.182	46.455
16)	A 4,4'-DDD	6.705	5.929	170.5E6	873.8E6	49.676	45.676
17)	MA 4,4'-DDT	7.021	6.183	143.1E6	776.5E6	37.788	38.291
18)	B Endrin al...	6.915	6.258	138.4E6	686.5E6	45.179	44.835
19)	B Endosulfa...	7.149	6.482	169.7E6	851.1E6	44.234	43.379
20)	A Methoxychlor	7.491	6.753	72698023	387.1E6	35.978m	35.951
21)	B Endrin ke...	7.630	6.991	188.9E6	950.6E6	46.374	44.004
22)	Mirex	8.114	7.184	135.9E6	728.3E6	44.705	43.669

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Acq On : 01 Jul 2025 20:29
Operator : AR\AJ
Sample : Q2458-04MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

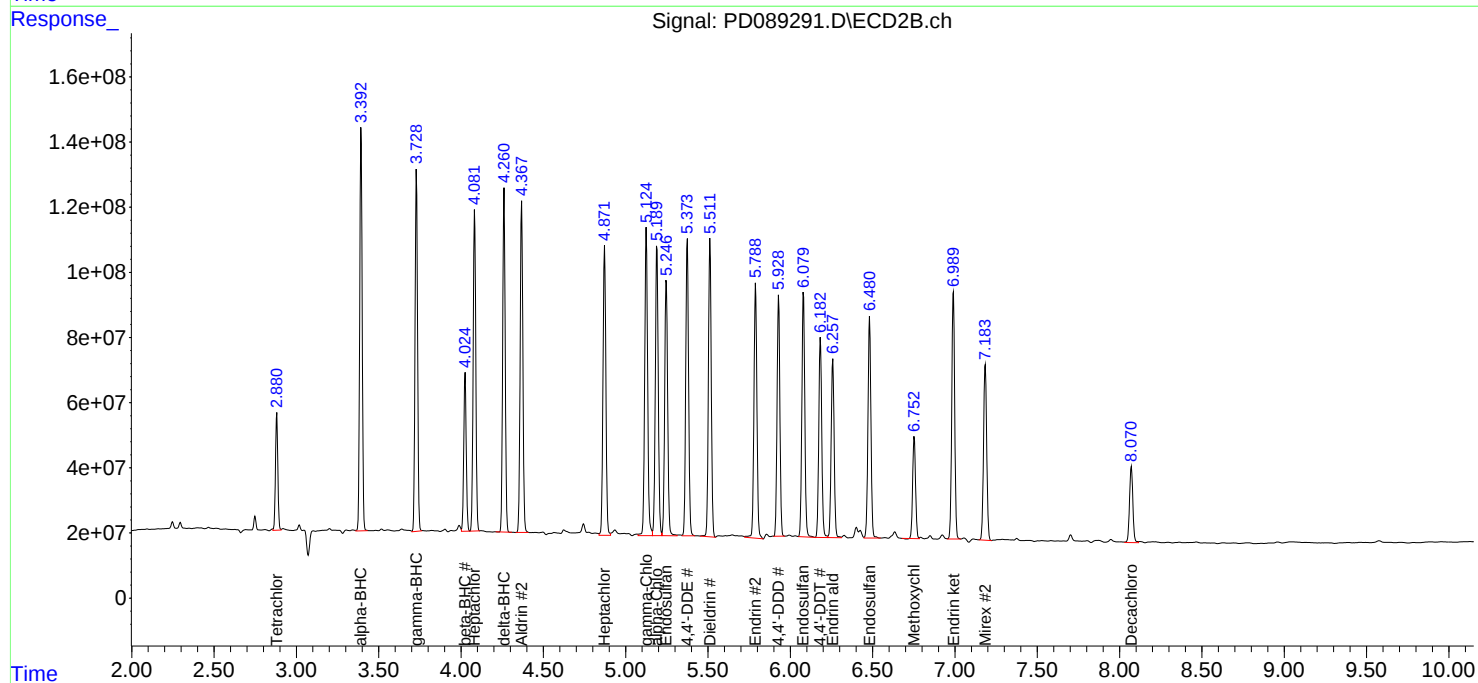
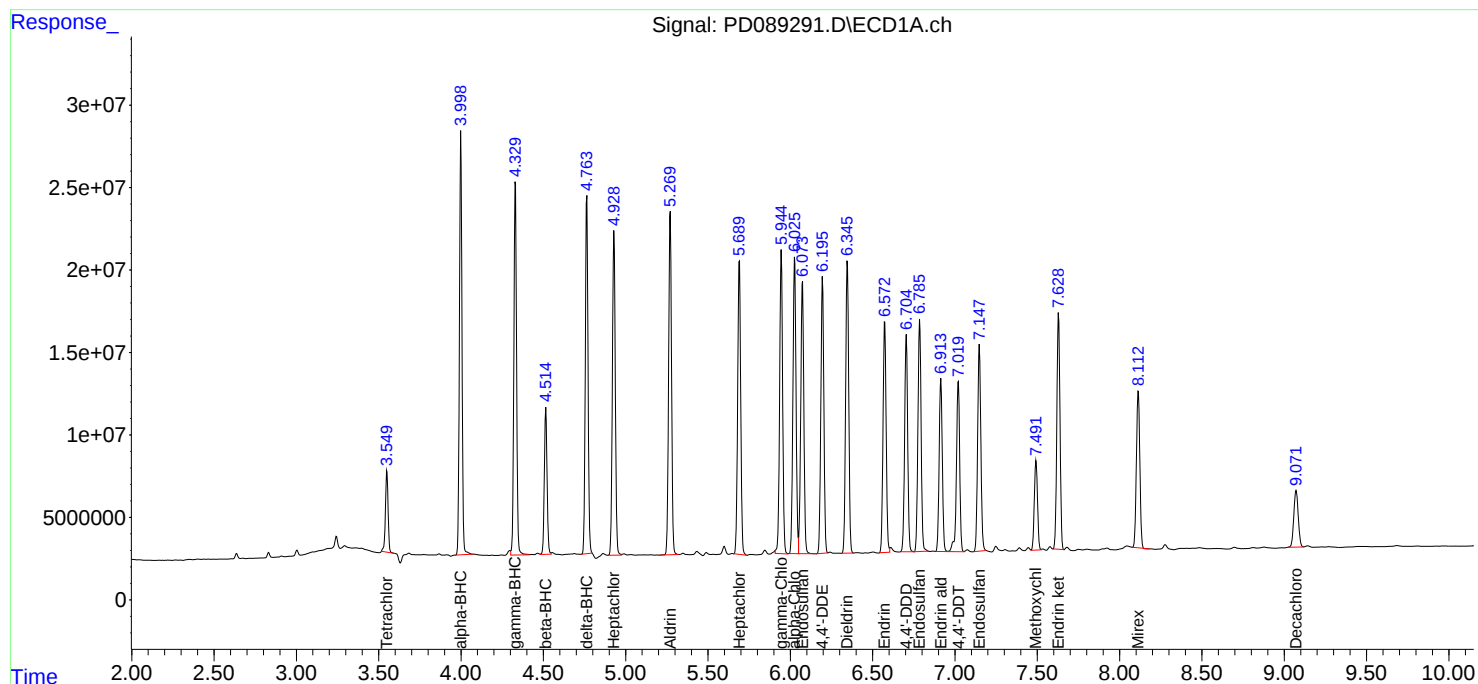
Instrument :
ECD_D
ClientSampleId :
TP-67MS

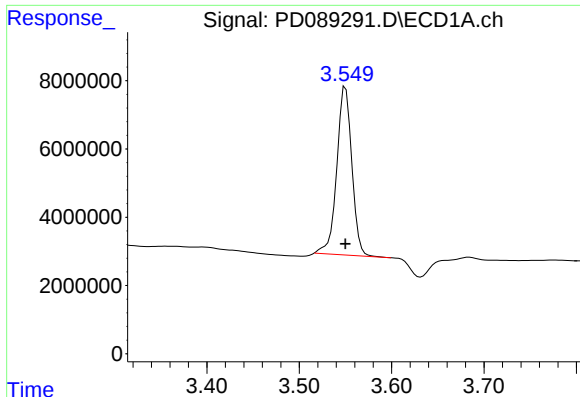
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
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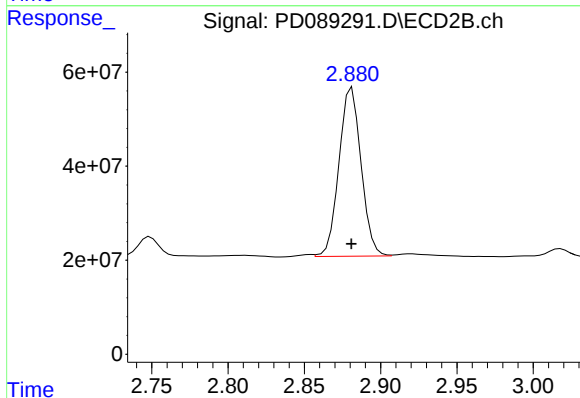
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 55732238
Conc: 19.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

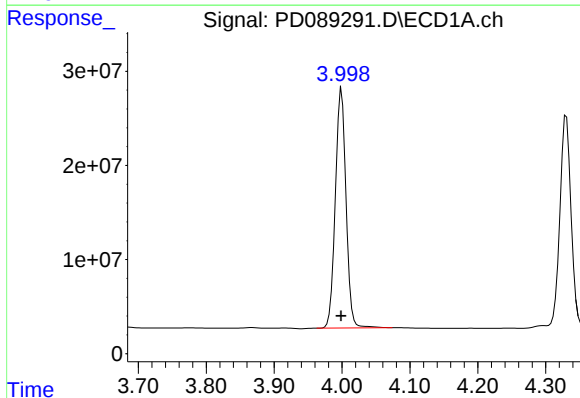
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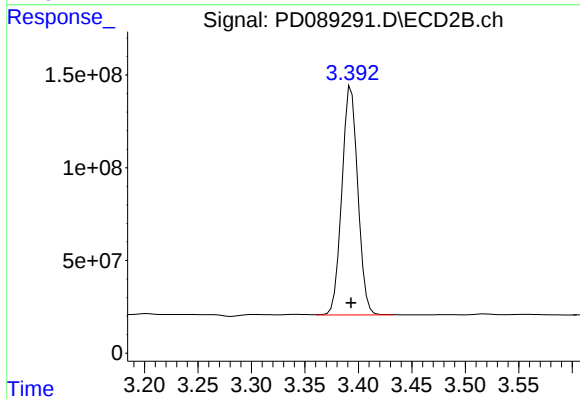
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 361447863
Conc: 21.32 ng/ml m



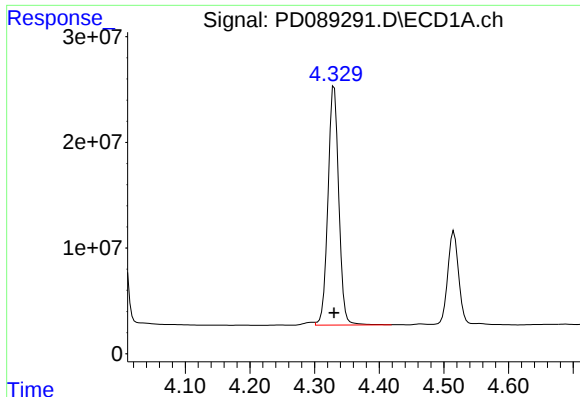
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 278074376
Conc: 47.70 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1280357465
Conc: 47.78 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 262684035
Conc: 47.06 ng/ml

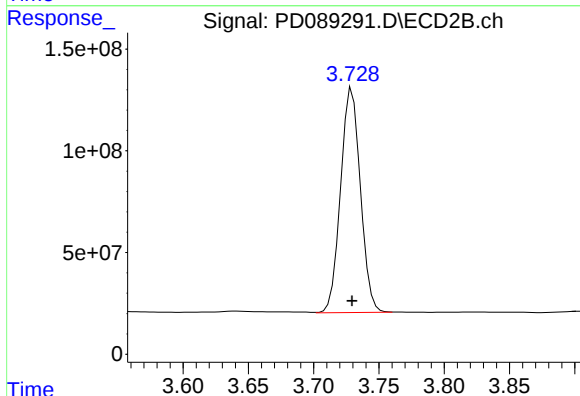
Instrument :

ECD_D

ClientSampleId :
TP-67MS

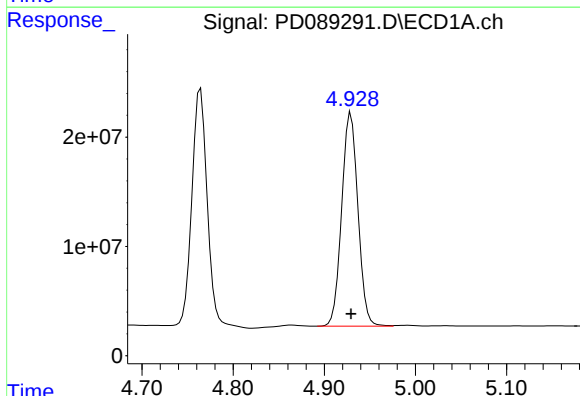
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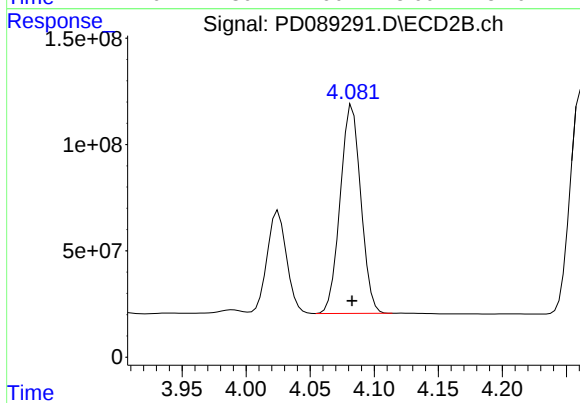
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1164833826
Conc: 47.05 ng/ml m



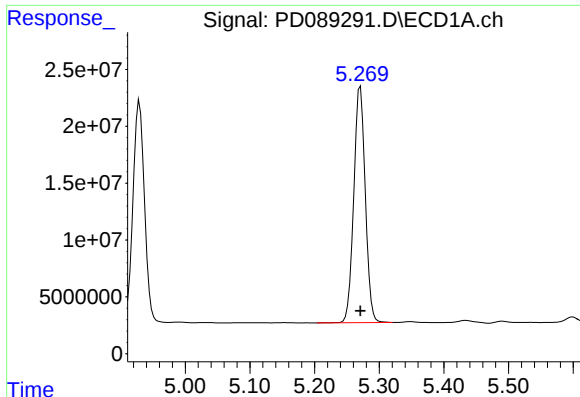
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 242113963
Conc: 44.41 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1097544082
Conc: 43.83 ng/ml



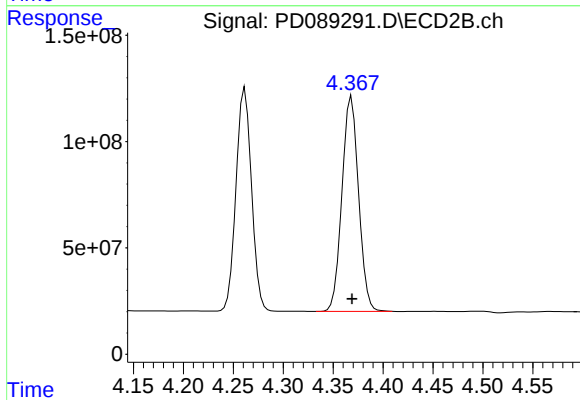
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 257562738
Conc: 48.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

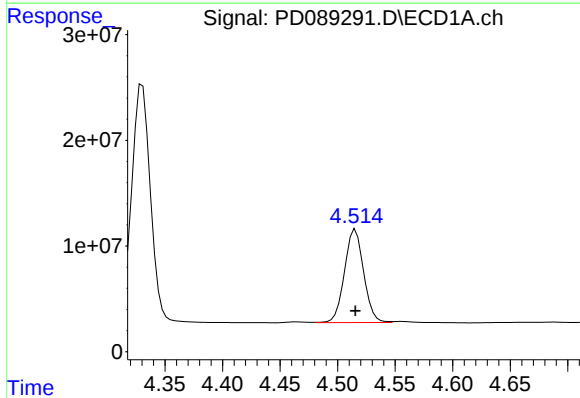
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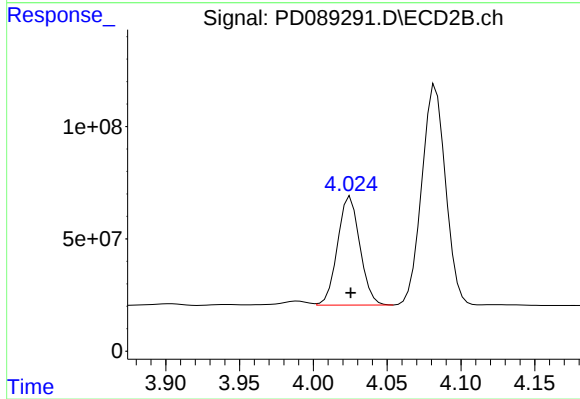
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1170765536
Conc: 48.34 ng/ml



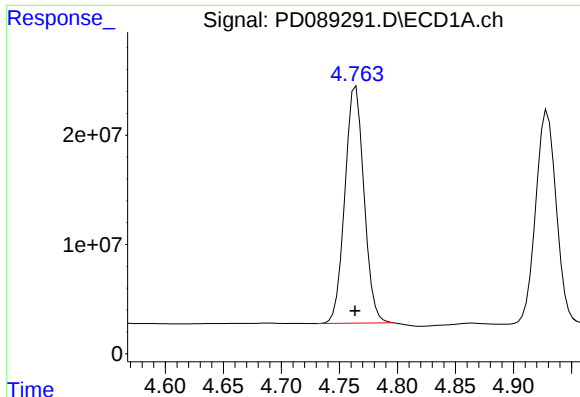
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 102578167
Conc: 46.48 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 510473250
Conc: 47.50 ng/ml



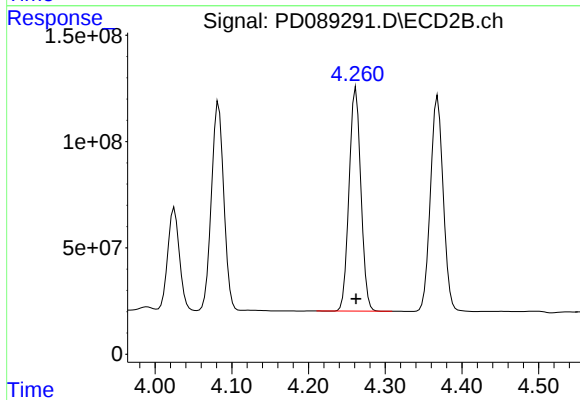
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 248179972
Conc: 48.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

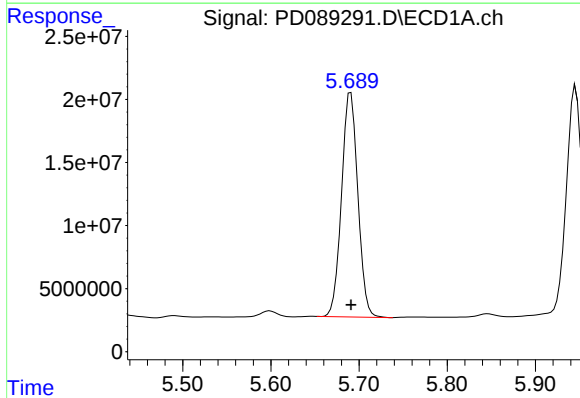
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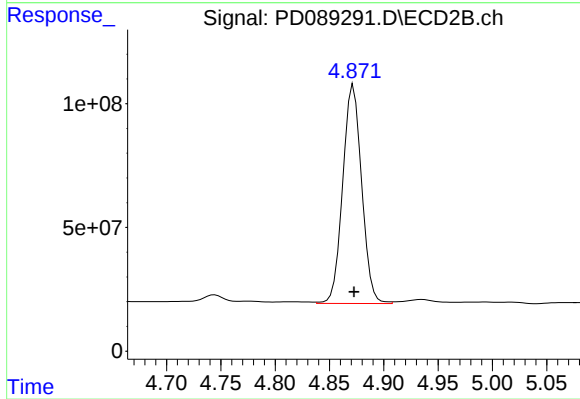
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1132121280
Conc: 45.51 ng/ml



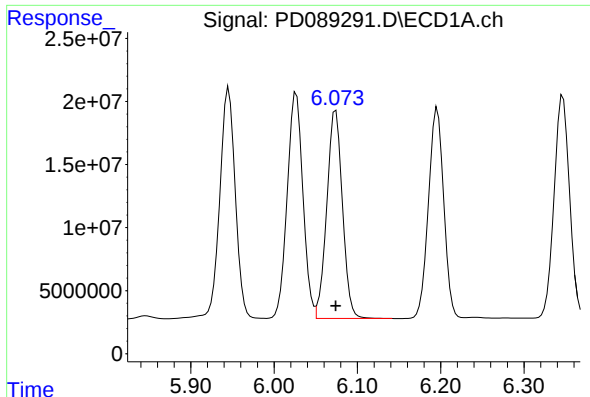
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 228478144
Conc: 47.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1073162513
Conc: 49.01 ng/ml



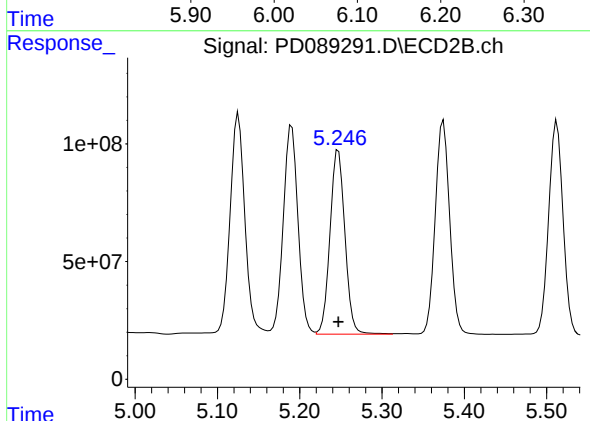
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 215866305
Conc: 47.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

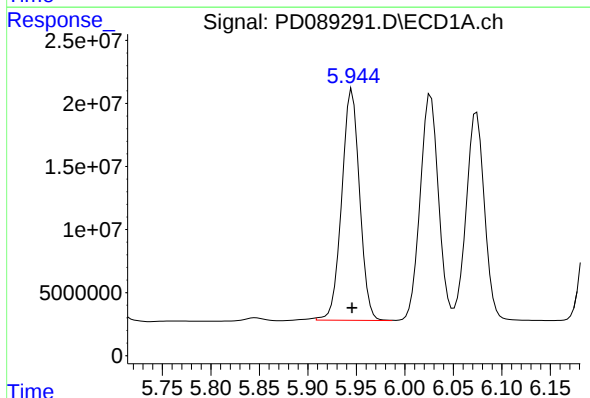
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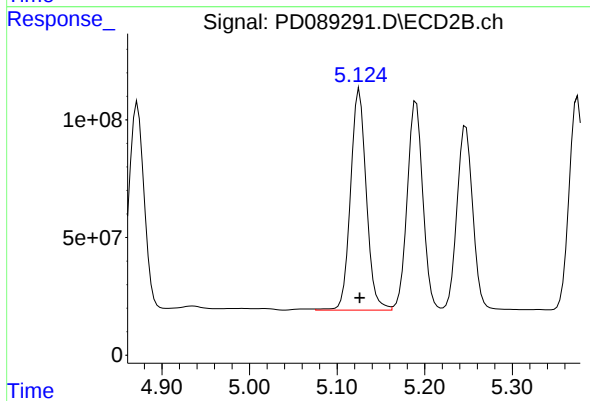
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 988219655
Conc: 47.41 ng/ml



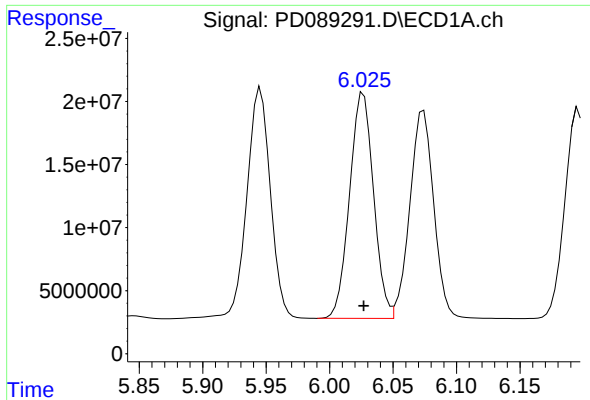
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 234485054
Conc: 48.97 ng/ml m



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1176024672
Conc: 49.16 ng/ml



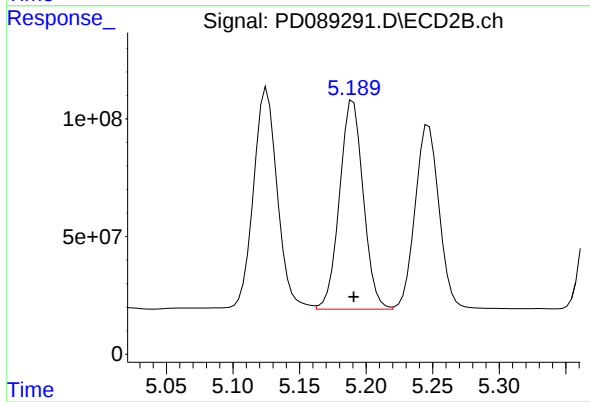
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 235014810
Conc: 48.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

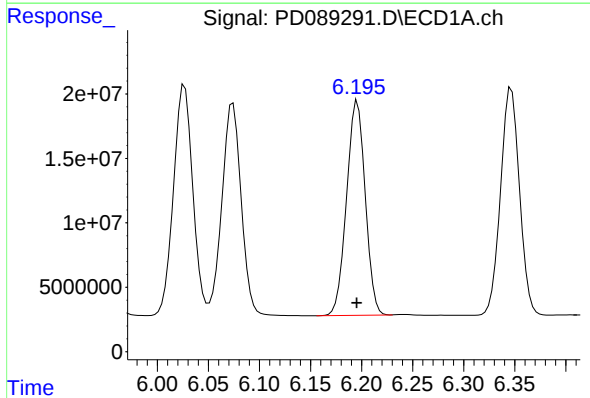
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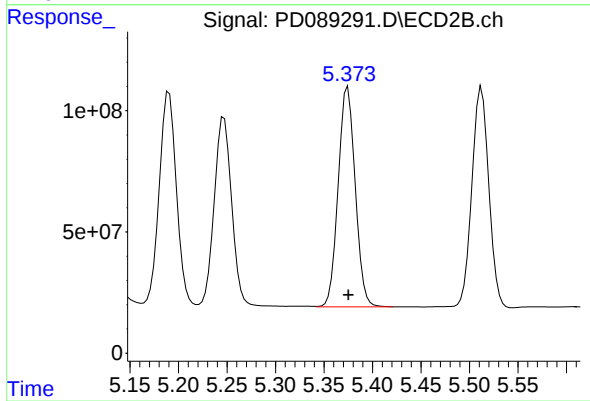
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1101105843
Conc: 48.09 ng/ml



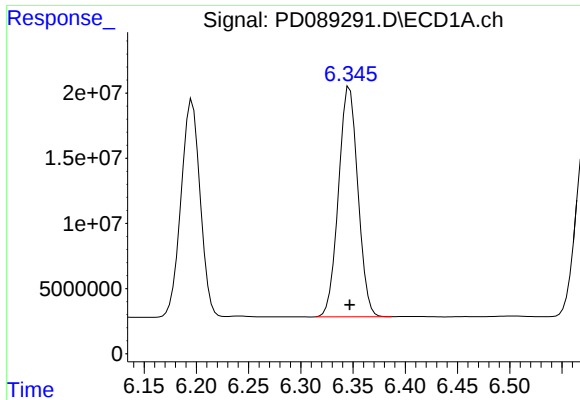
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 211795938
Conc: 48.57 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1104540935
Conc: 48.20 ng/ml



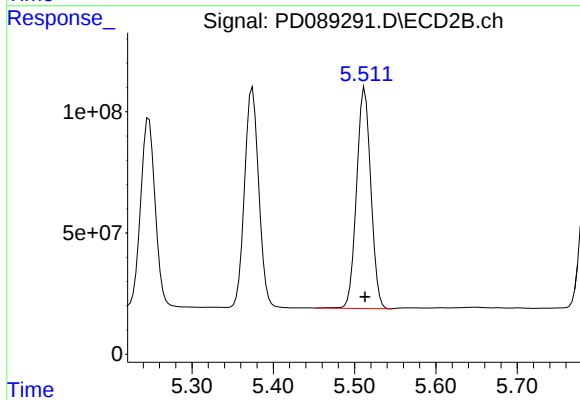
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 227938713
Conc: 47.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

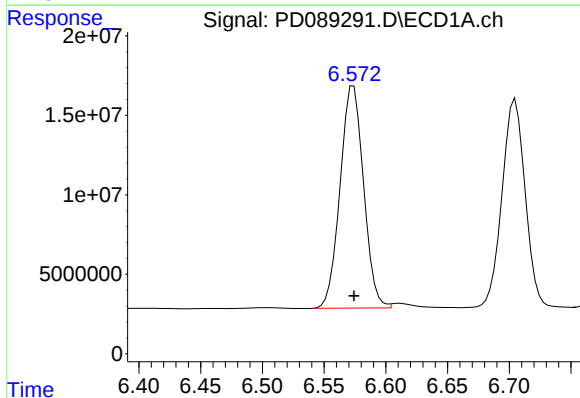
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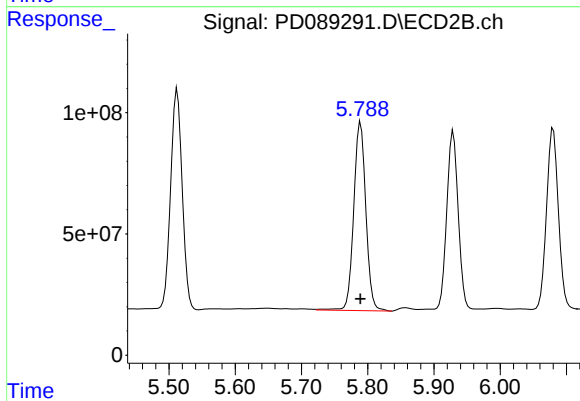
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1108372998
Conc: 47.76 ng/ml



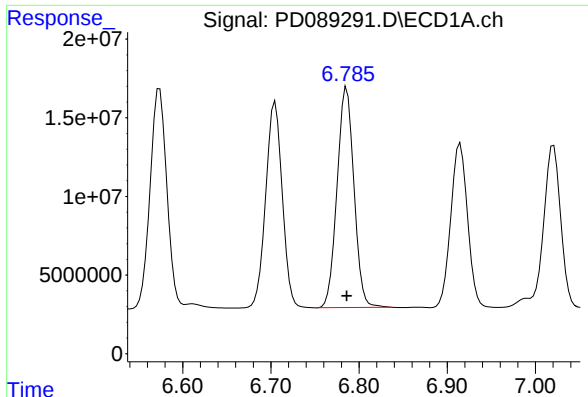
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 185006190
Conc: 44.84 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 991085337
Conc: 45.64 ng/ml



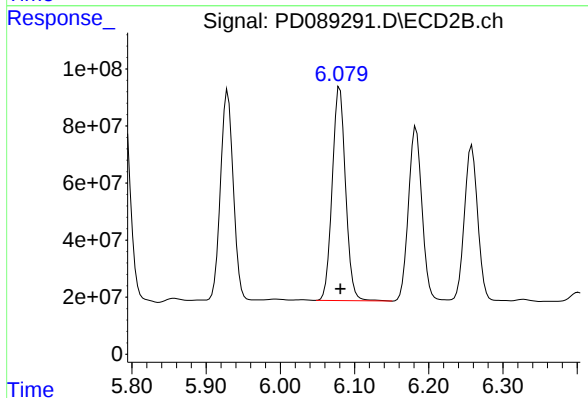
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 186417043
Conc: 46.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

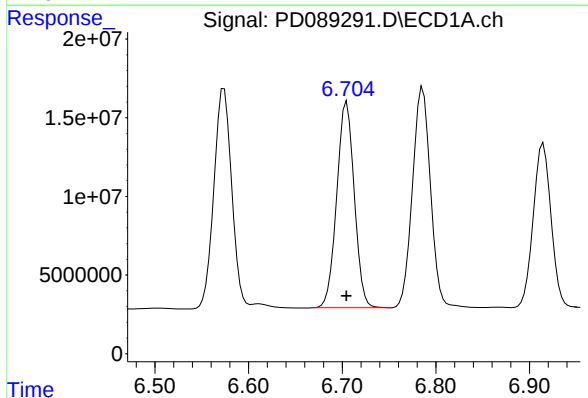
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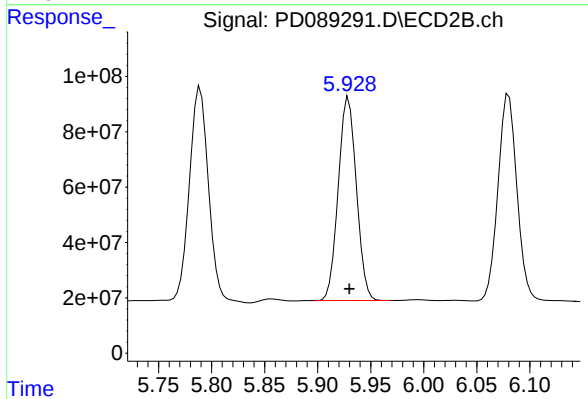
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 938227610
Conc: 46.45 ng/ml



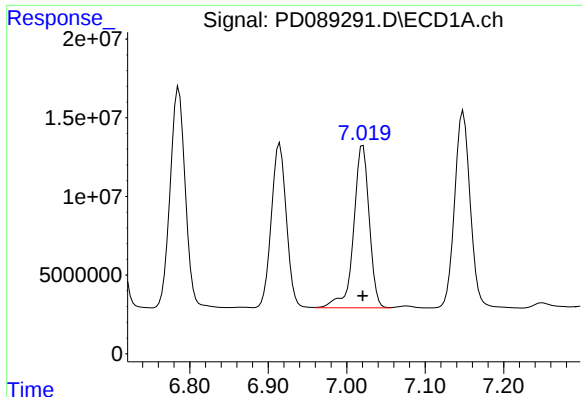
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 170491101
Conc: 49.68 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 873754798
Conc: 45.68 ng/ml



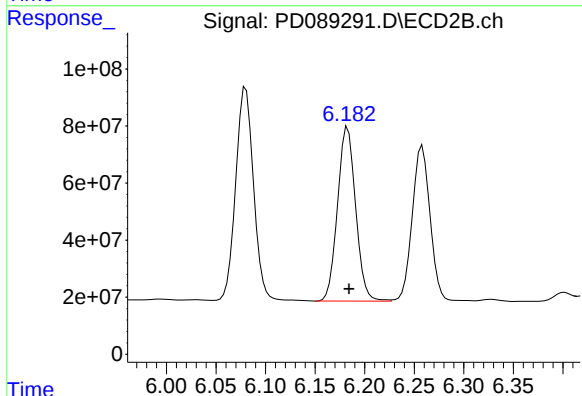
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 143149389
Conc: 37.79 ng/ml

Instrument :
ECD_D
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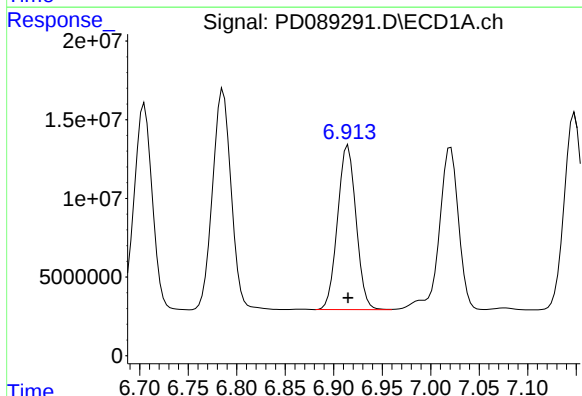
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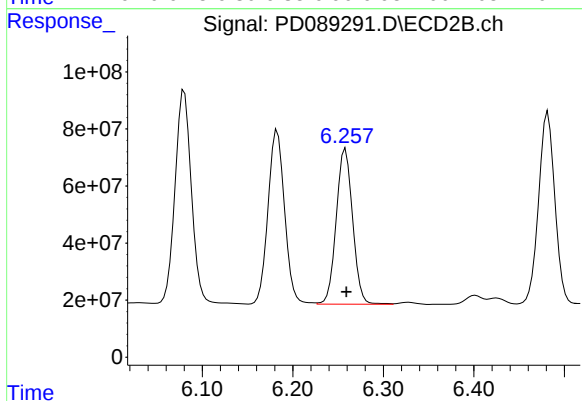
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 776525417
Conc: 38.29 ng/ml



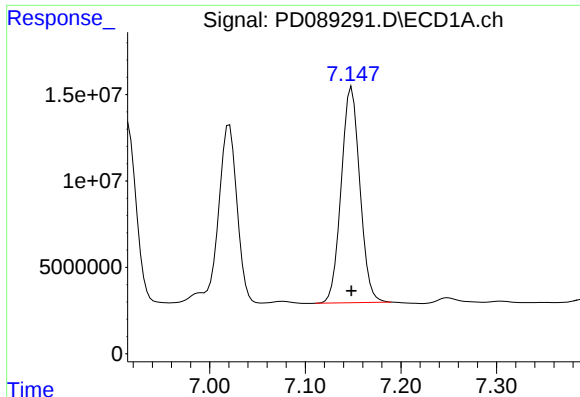
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 138424675
Conc: 45.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 686486589
Conc: 44.84 ng/ml



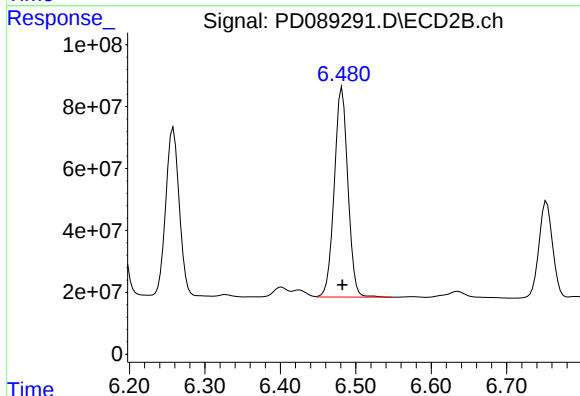
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 169737345
Conc: 44.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

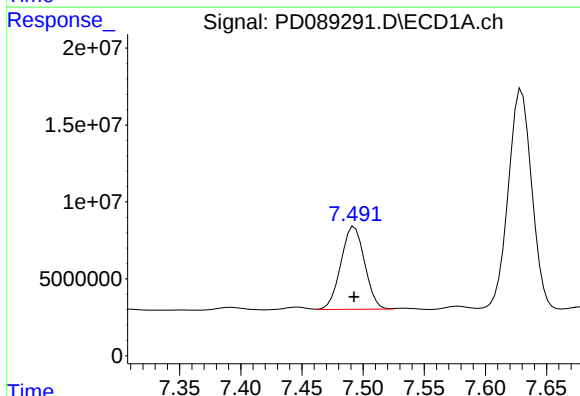
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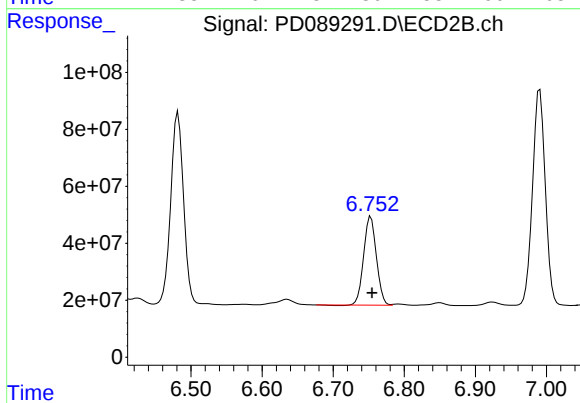
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 851133172
Conc: 43.38 ng/ml



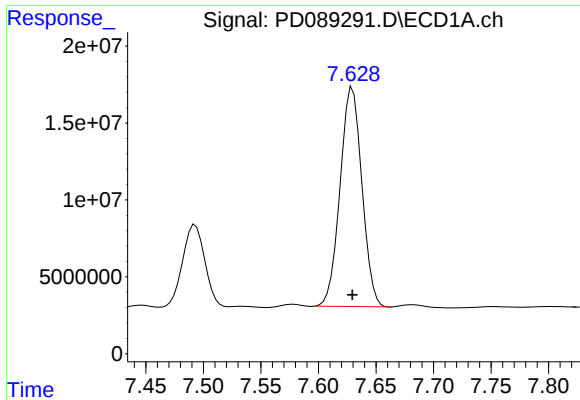
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 72698023
Conc: 35.98 ng/ml m



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 387124438
Conc: 35.95 ng/ml



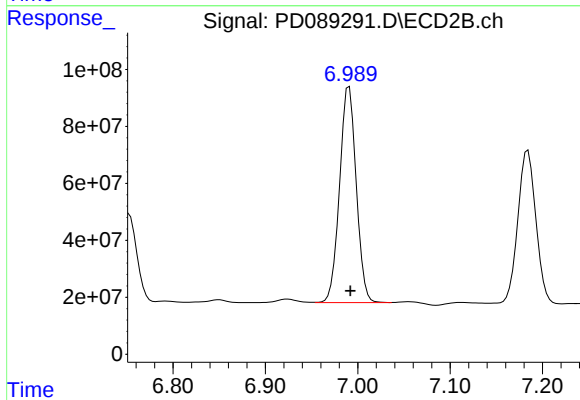
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 188883262
Conc: 46.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

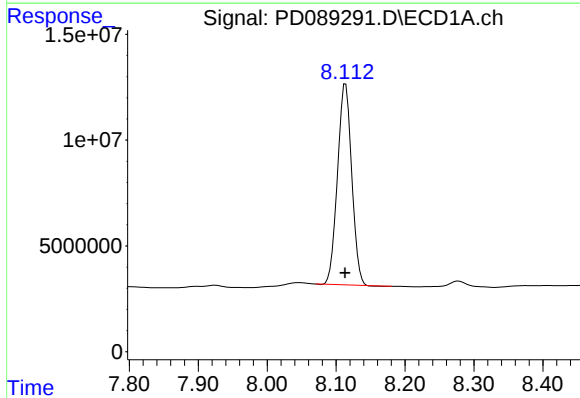
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



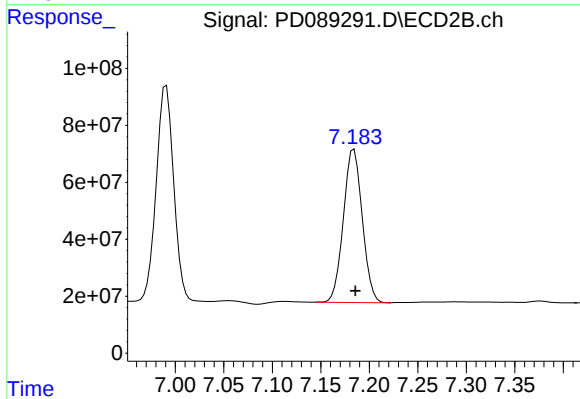
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 950557557
Conc: 44.00 ng/ml



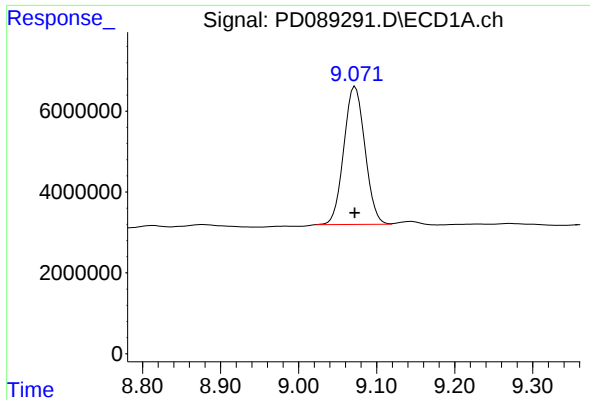
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 135909806
Conc: 44.71 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 728313803
Conc: 43.67 ng/ml



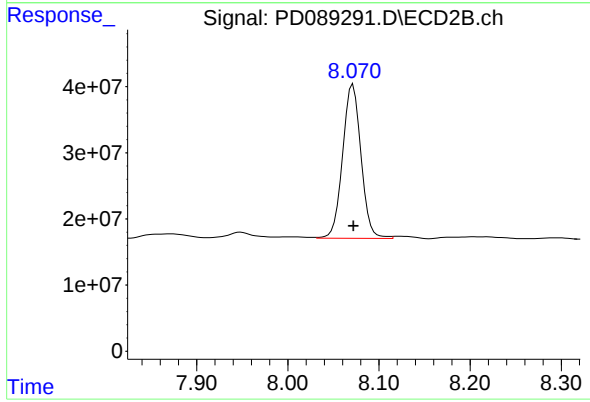
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 64068843
Conc: 16.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-67MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 325977034
Conc: 16.49 ng/ml