

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090785.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 14:57
 Operator : AR\AJ
 Sample : Q3395-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR132-S07-000102-20251017MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:14:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.874	47594773	487.5E6	15.283m	16.370
28)	SA Decachlor...	9.066	8.061	76677754	497.9E6	16.391	16.438
Target Compounds							
2)	A alpha-BHC	3.994	3.386	329.9E6	2102.7E6	45.972	41.153
3)	MA gamma-BHC...	4.325	3.722	312.2E6	1980.6E6	45.922	41.919
4)	MA Heptachlor	4.923	4.074	307.2E6	2056.0E6	54.958	46.095
5)	MB Aldrin	5.264	4.360	307.6E6	1980.2E6	46.988	42.751
6)	B beta-BHC	4.512	4.017	99323165	824.4E6	37.915m	41.573m
7)	B delta-BHC	4.761	4.255	317.6E6	2086.4E6	46.973	43.724
8)	B Heptachlo...	5.685	4.864	270.2E6	1883.6E6	46.672	44.175
9)	A Endosulfan I	6.068	5.239	254.4E6	1502.5E6	45.954	38.145
10)	B gamma-Chl...	5.939	5.116	264.7E6	2030.0E6	44.628m	45.162
11)	B alpha-Chl...	6.021	5.181	279.9E6	1913.9E6	45.289	44.366
12)	B 4,4'-DDE	6.190	5.365	285.4E6	2112.0E6	53.574	48.176
13)	MA Dieldrin	6.341	5.503	276.7E6	1999.9E6	47.450	45.263
14)	MA Endrin	6.568	5.780	229.3E6	1698.3E6	46.291	41.940
15)	B Endosulfa...	6.781	6.070	226.8E6	1680.4E6	45.364	44.744m
16)	A 4,4'-DDD	6.699	5.920	200.9E6	1547.1E6	49.548m	42.457
17)	MA 4,4'-DDT	7.016	6.173	201.5E6	1556.8E6	49.011	44.388
18)	B Endrin al...	6.911	6.250	173.0E6	1230.0E6	47.245	44.416
19)	B Endosulfa...	7.145	6.473	217.3E6	1582.2E6	46.853	44.139
20)	A Methoxychlor	7.489	6.744	101.7E6	815.2E6	47.826	46.774
21)	B Endrin ke...	7.626	6.982	238.6E6	1622.7E6	49.104	43.023
22)	Mirex	8.108	7.175	145.9E6	1110.7E6	45.568	43.232

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

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Data File : PD090785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:57
Operator : AR\AJ
Sample : Q3395-04MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

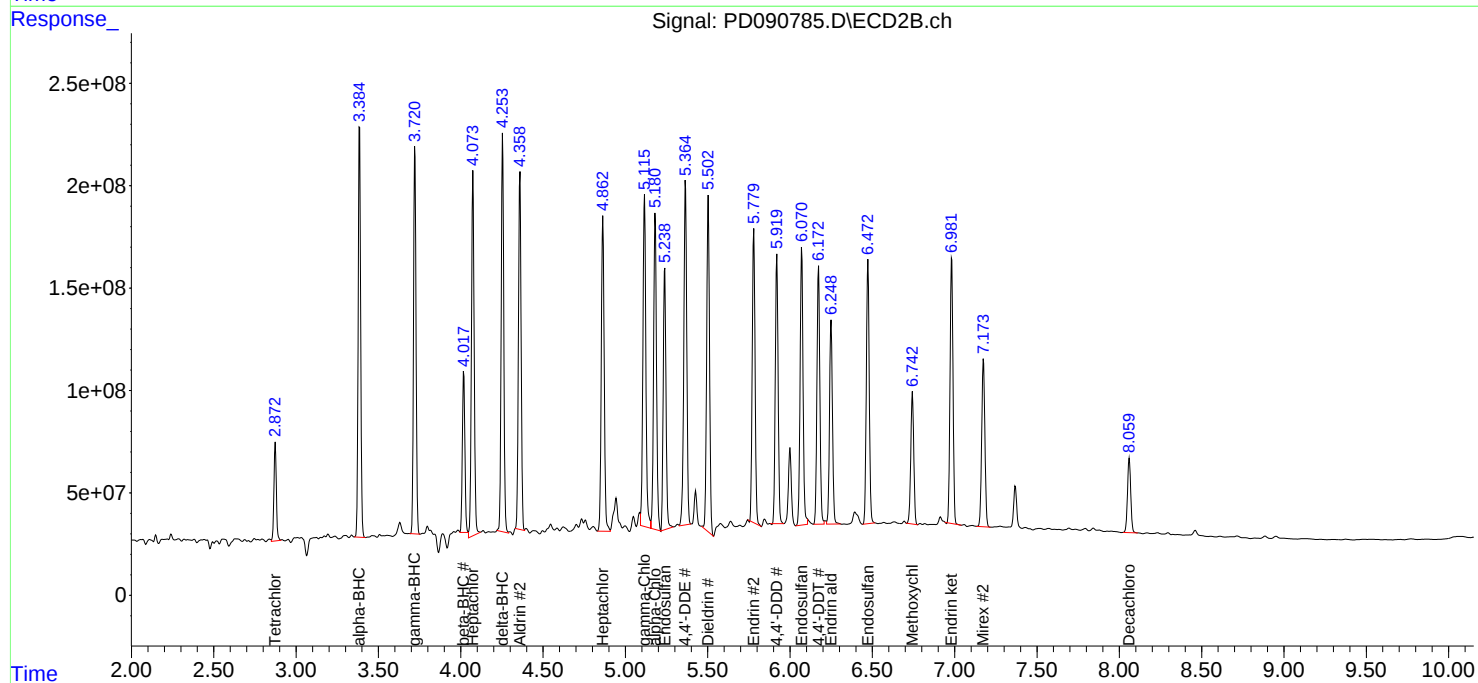
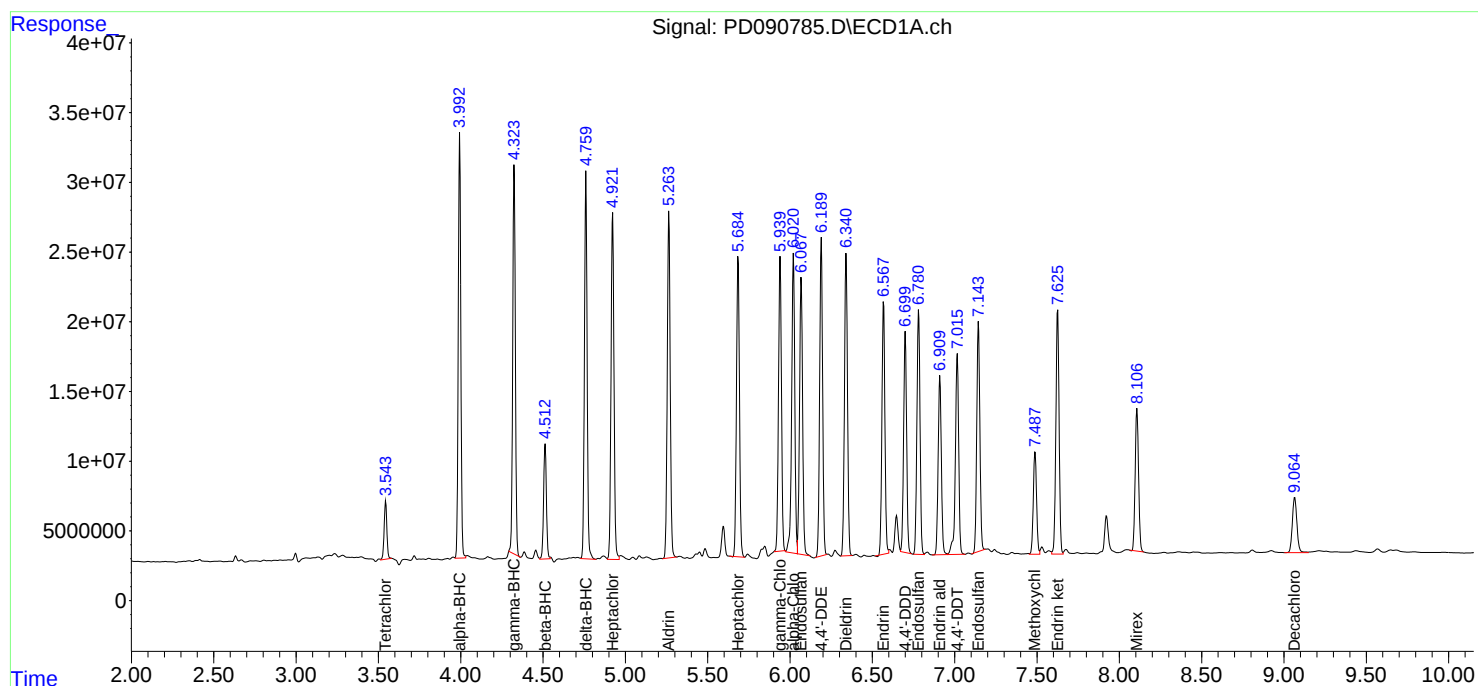
Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

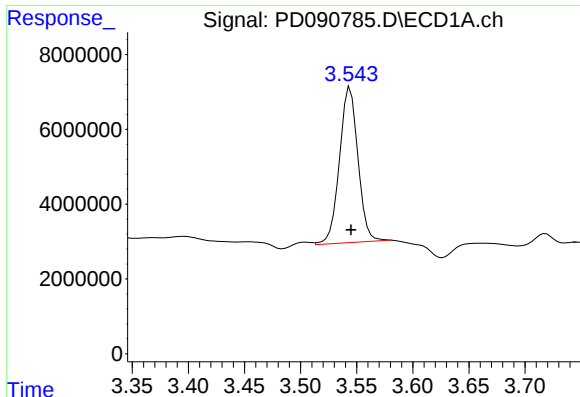
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 06:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
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QLast Update : Fri Oct 17 17:43:28 2025
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





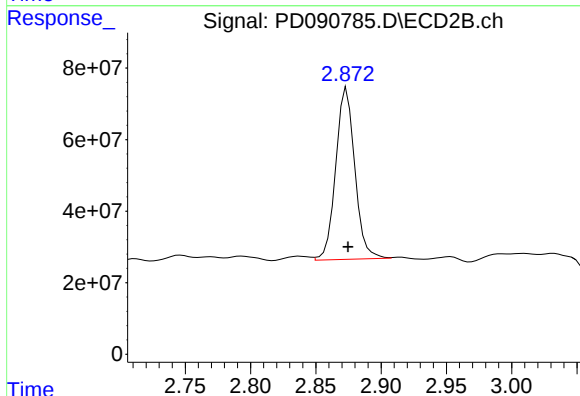
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 47594773
Conc: 15.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

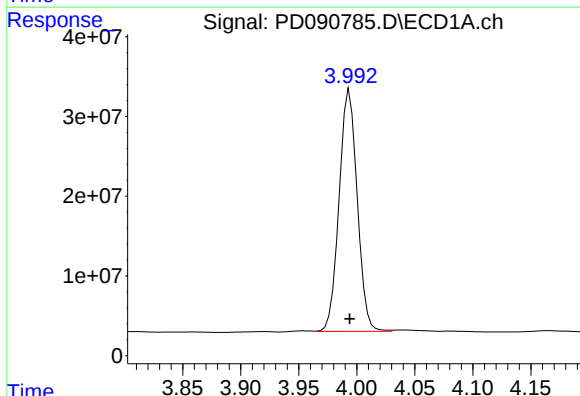
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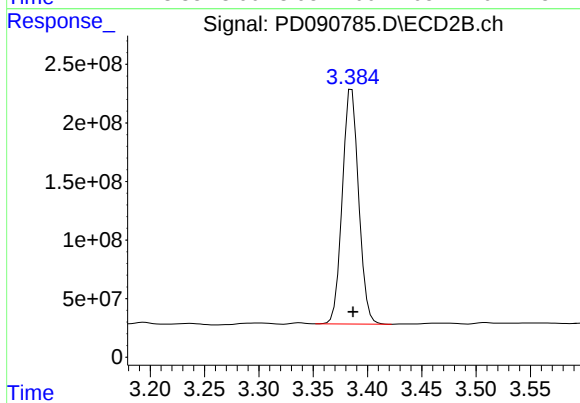
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 487456476
Conc: 16.37 ng/ml



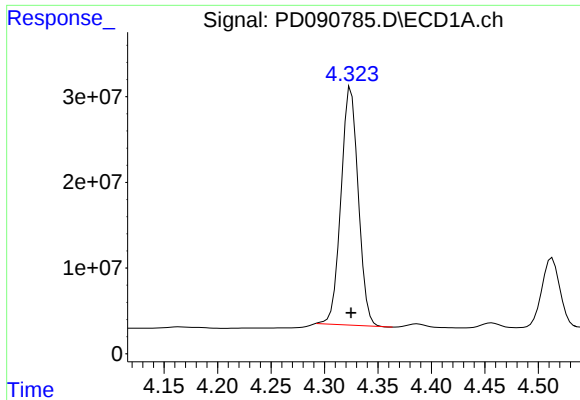
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 329948212
Conc: 45.97 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2102728321
Conc: 41.15 ng/ml



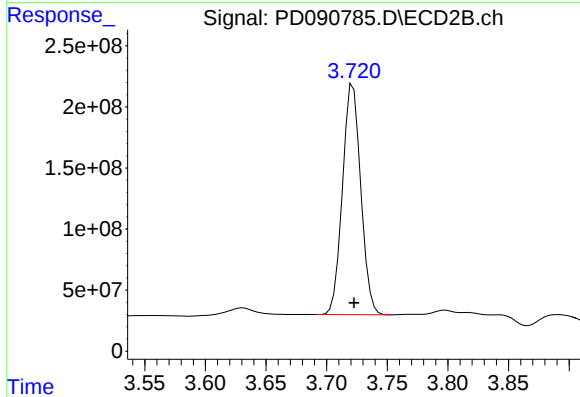
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 312215910
Conc: 45.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
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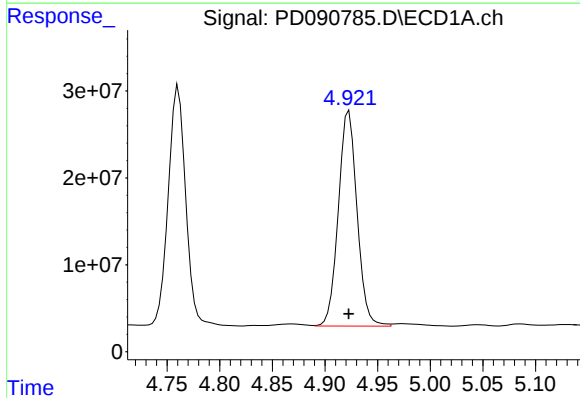
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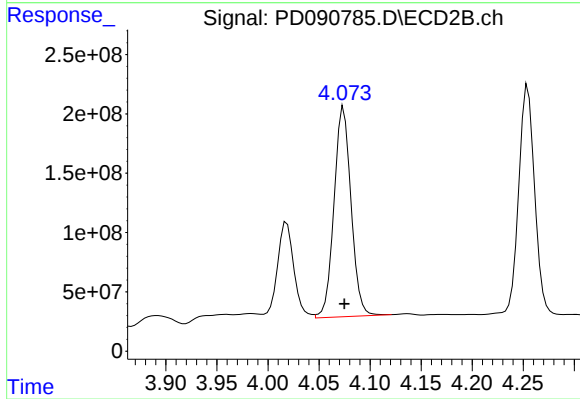
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 1980603536
Conc: 41.92 ng/ml



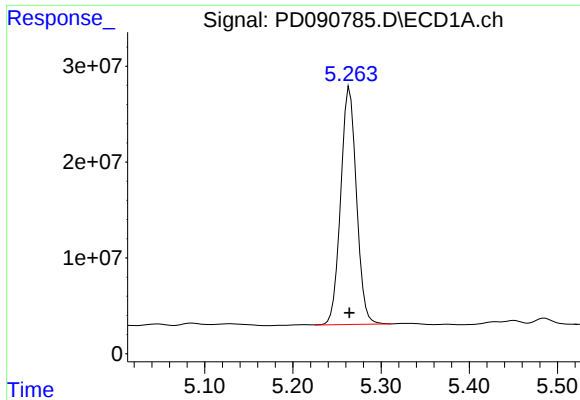
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 307192939
Conc: 54.96 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2055982029
Conc: 46.10 ng/ml



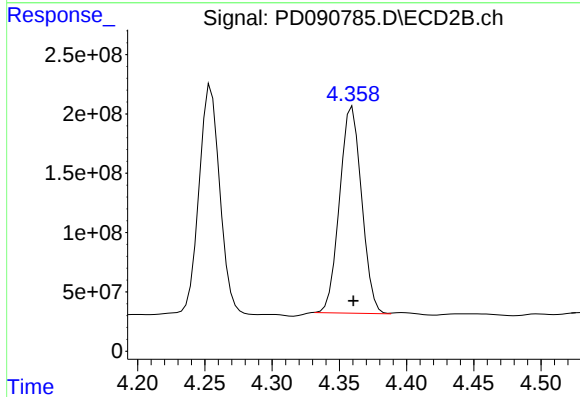
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 307641464
Conc: 46.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
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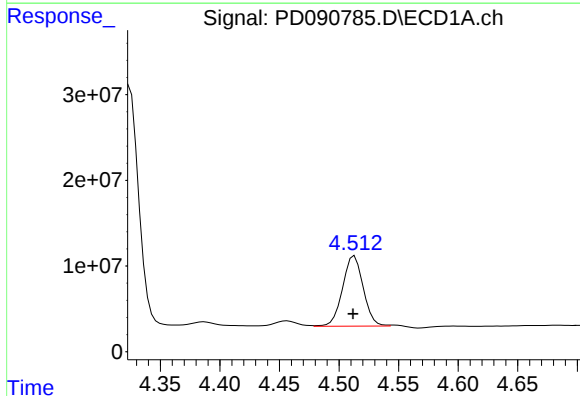
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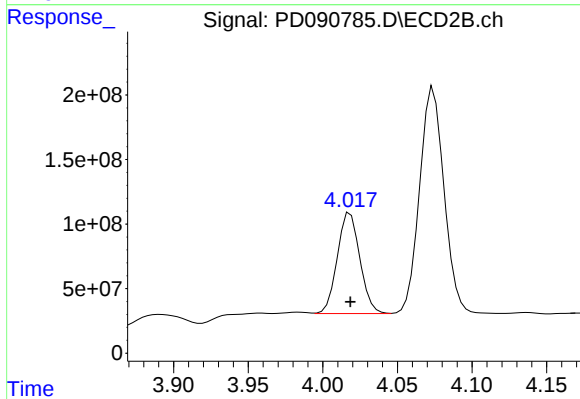
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 1980194934
Conc: 42.75 ng/ml



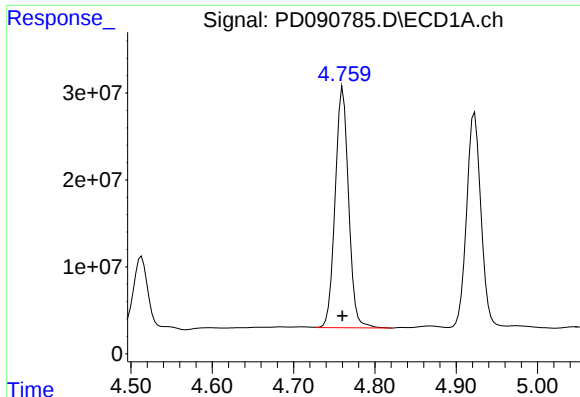
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 99323165
Conc: 37.91 ng/ml m



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 824363816
Conc: 41.57 ng/ml m



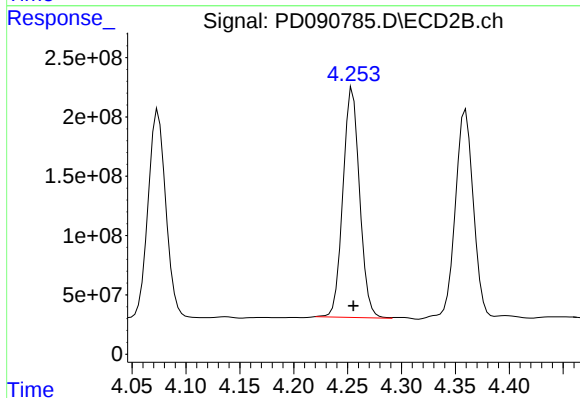
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 317620281
Conc: 46.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

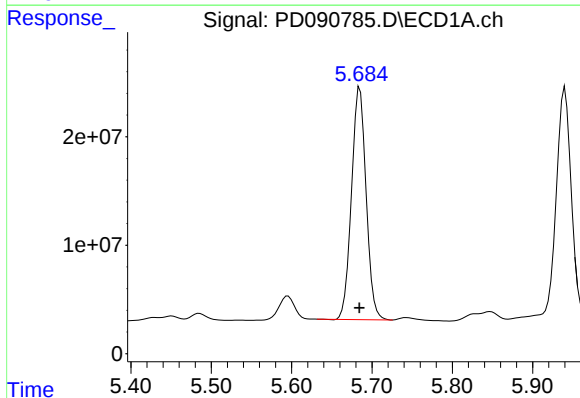
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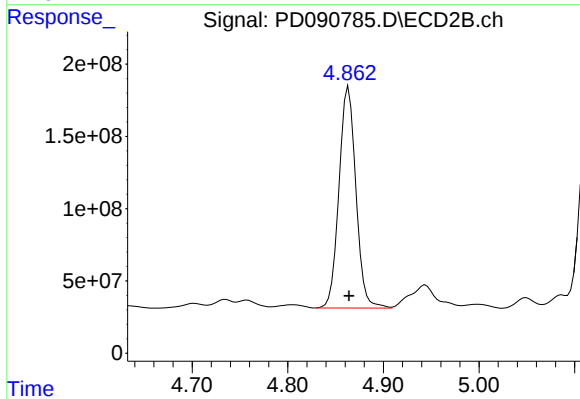
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2086377210
Conc: 43.72 ng/ml



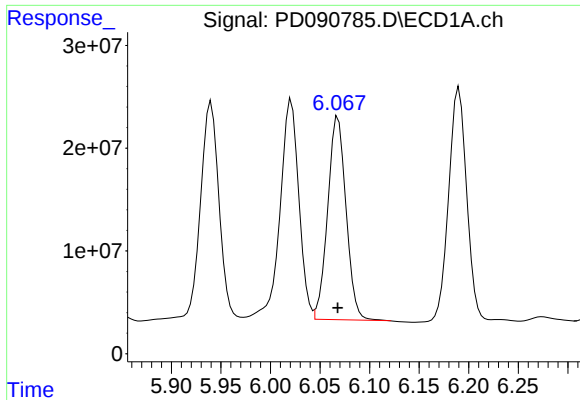
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 270185448
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 1883575400
Conc: 44.17 ng/ml



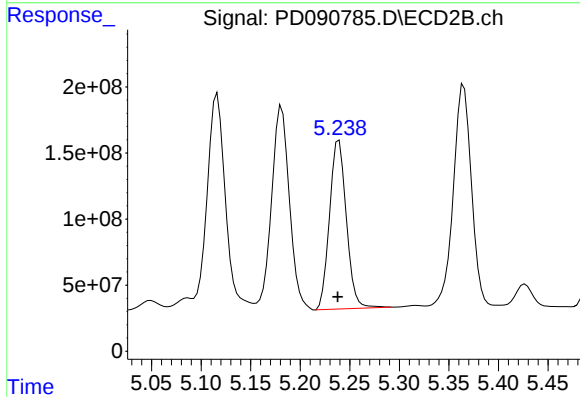
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 254433493
Conc: 45.95 ng/ml

Instrument :
ECD_D
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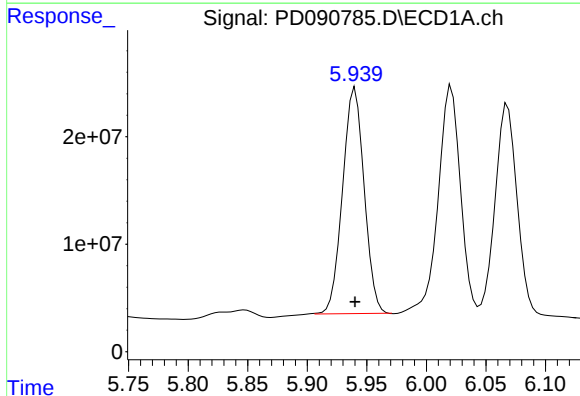
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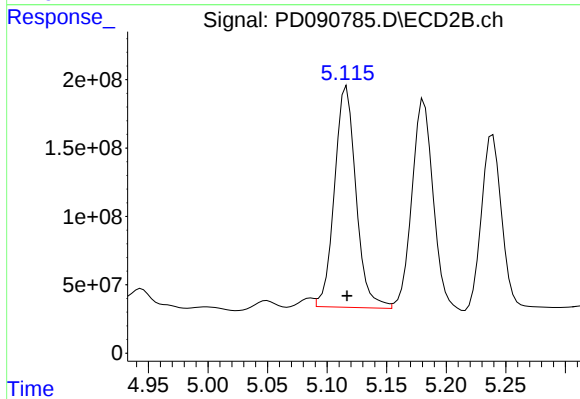
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.001 min
Response: 1502543908
Conc: 38.14 ng/ml



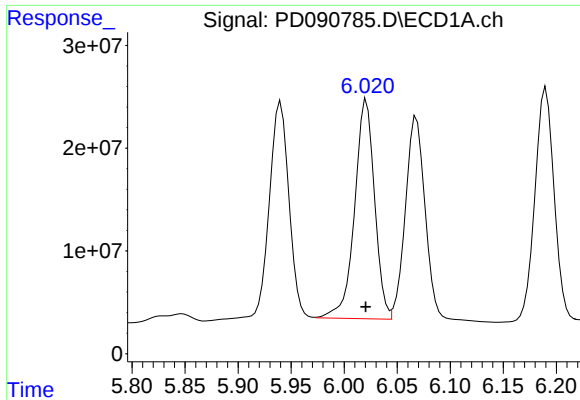
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.001 min
Response: 264697828
Conc: 44.63 ng/ml m



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2029993129
Conc: 45.16 ng/ml



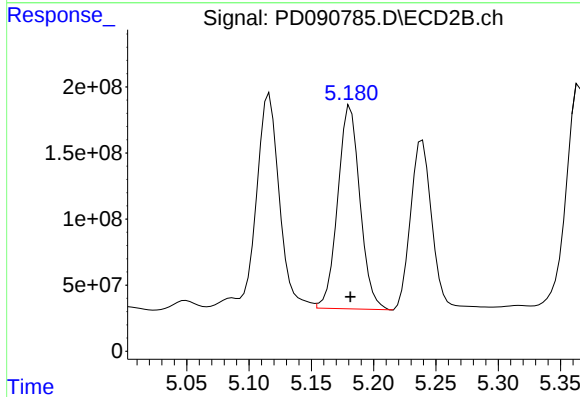
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 279899851
Conc: 45.29 ng/ml

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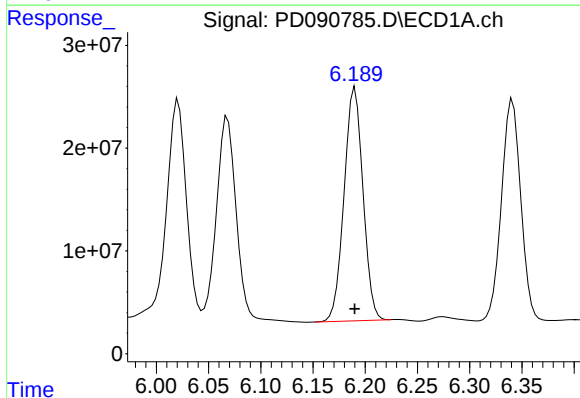
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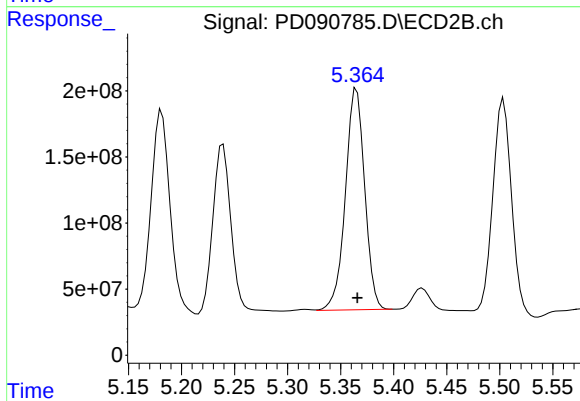
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1913866255
Conc: 44.37 ng/ml



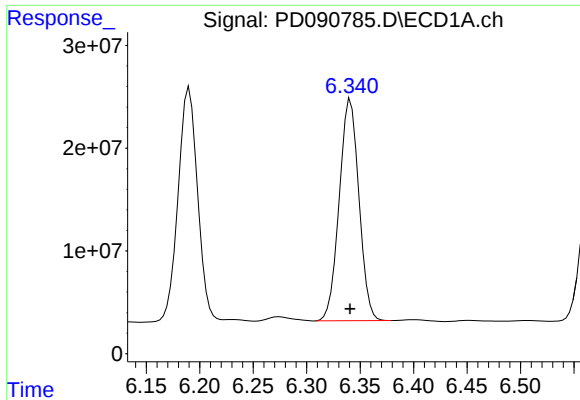
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 285369023
Conc: 53.57 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2111962604
Conc: 48.18 ng/ml



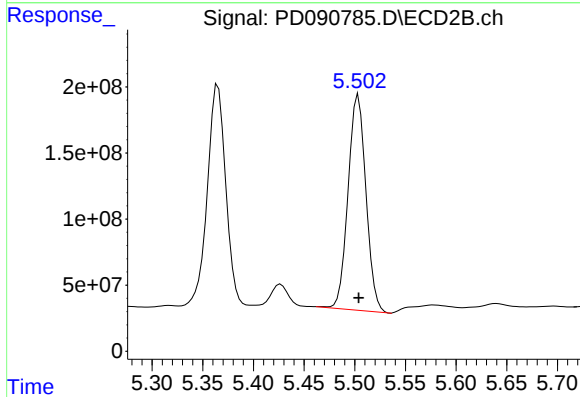
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 276700269
Conc: 47.45 ng/ml

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ECD_D
ClientSampleId :
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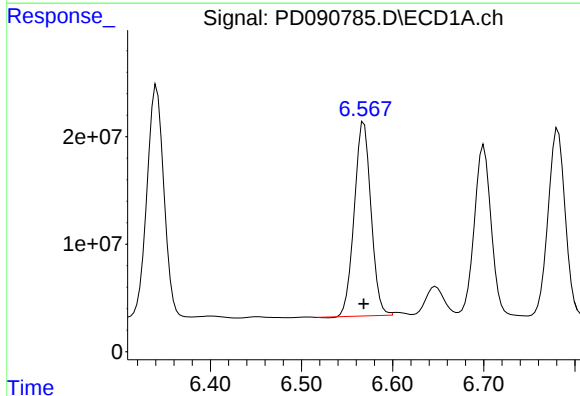
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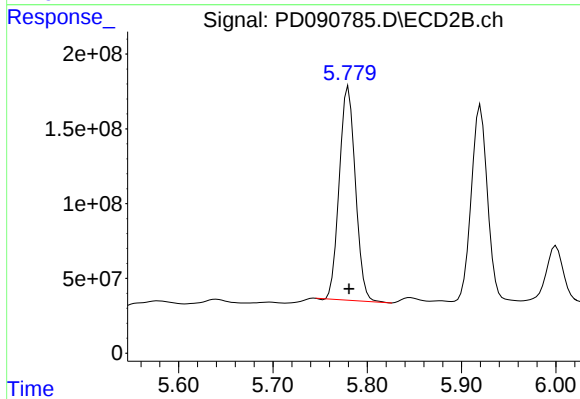
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1999882963
Conc: 45.26 ng/ml



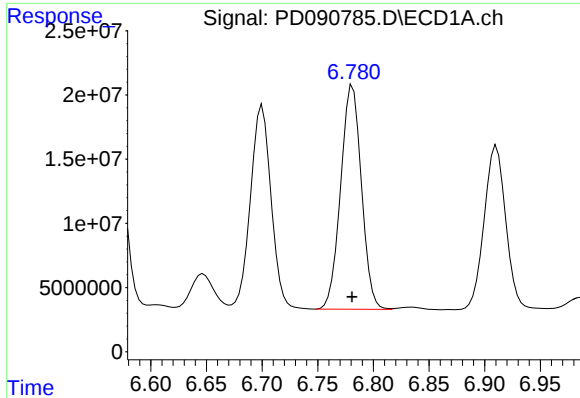
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 229312566
Conc: 46.29 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1698301628
Conc: 41.94 ng/ml



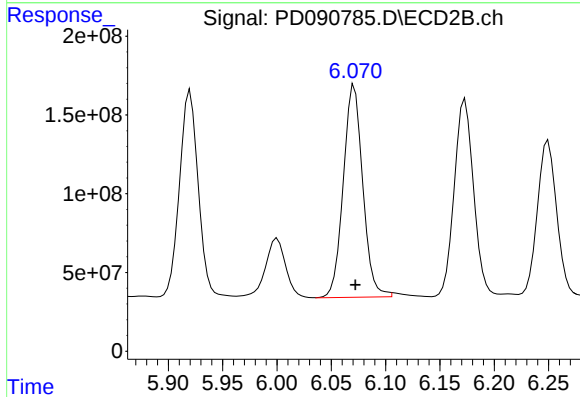
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 226817654
Conc: 45.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
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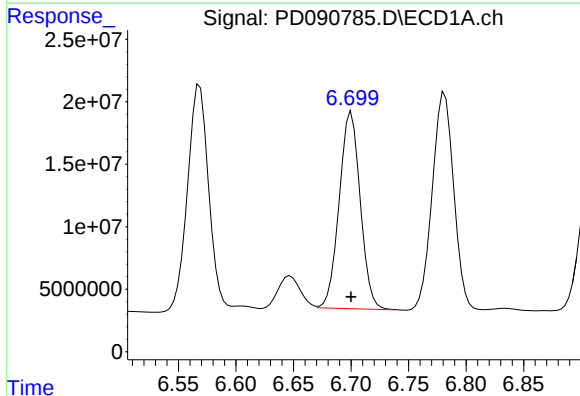
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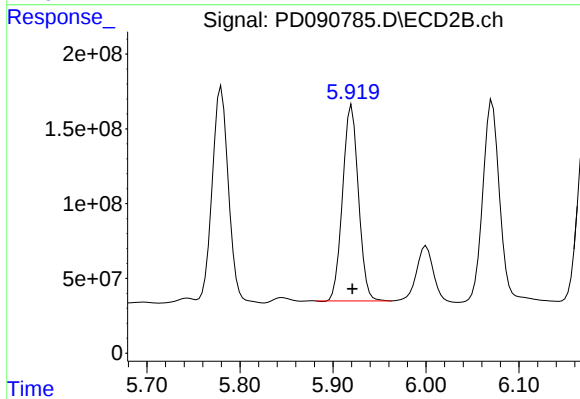
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1680384616
Conc: 44.74 ng/ml m



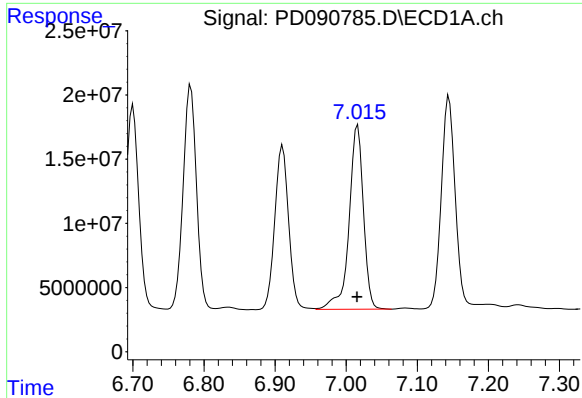
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 200879145
Conc: 49.55 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1547062646
Conc: 42.46 ng/ml



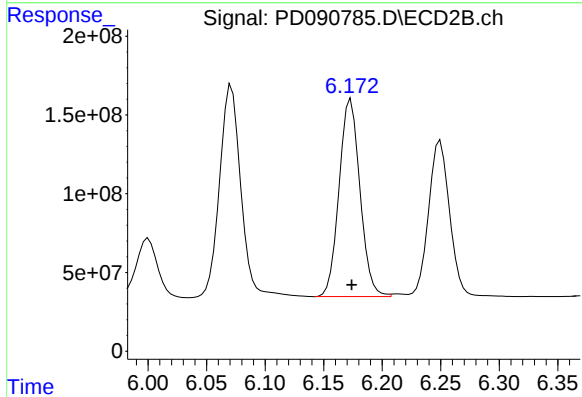
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 201459478
Conc: 49.01 ng/ml

Instrument :
ECD_D
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PR132-S07-000102-20251017MSD

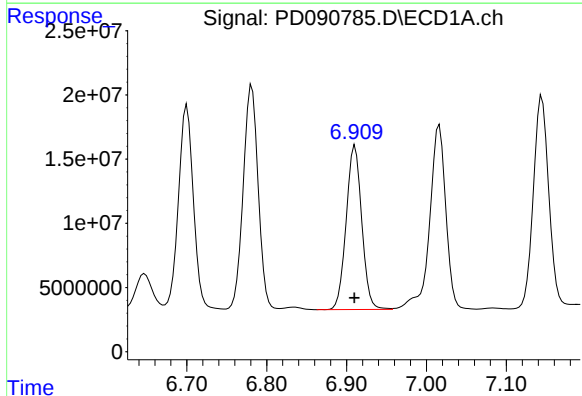
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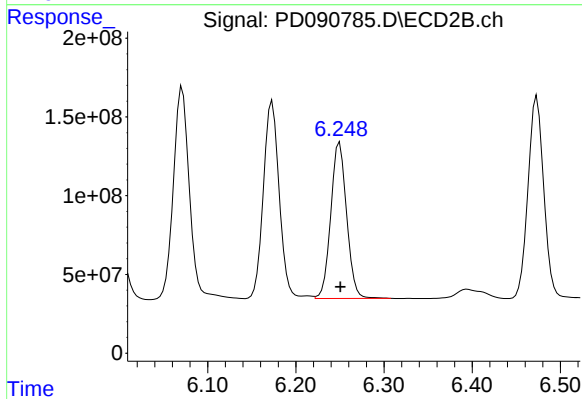
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1556816565
Conc: 44.39 ng/ml



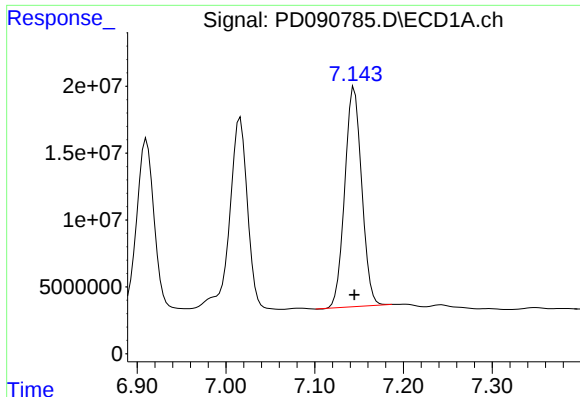
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 173045513
Conc: 47.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1230012330
Conc: 44.42 ng/ml



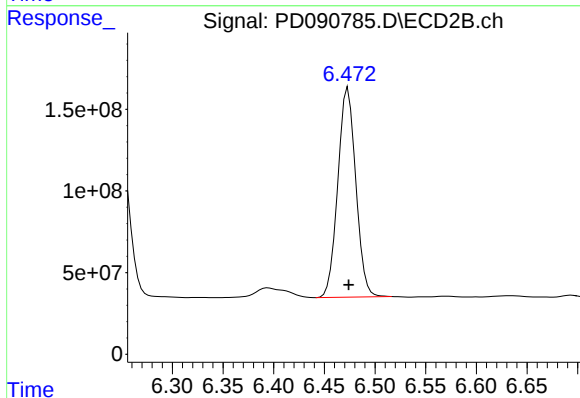
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 217313901
Conc: 46.85 ng/ml

Instrument :
ECD_D
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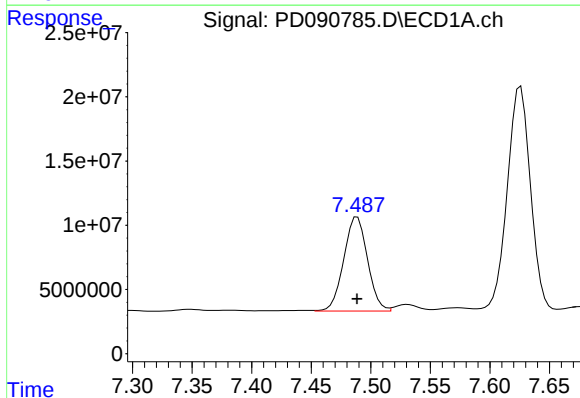
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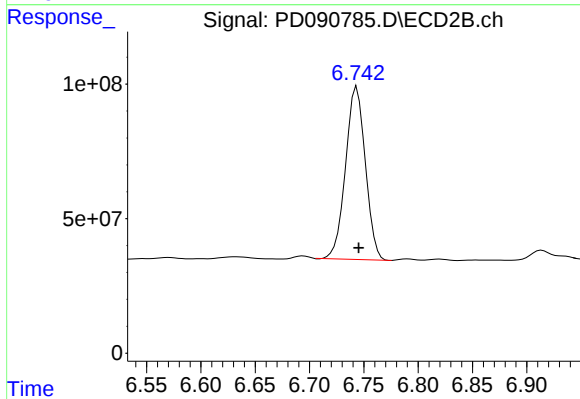
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1582152981
Conc: 44.14 ng/ml



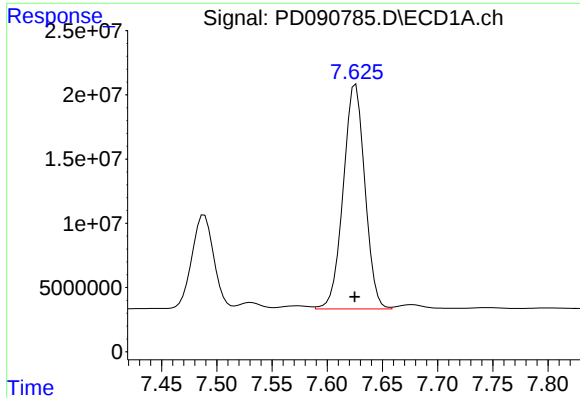
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 101657606
Conc: 47.83 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 815164786
Conc: 46.77 ng/ml



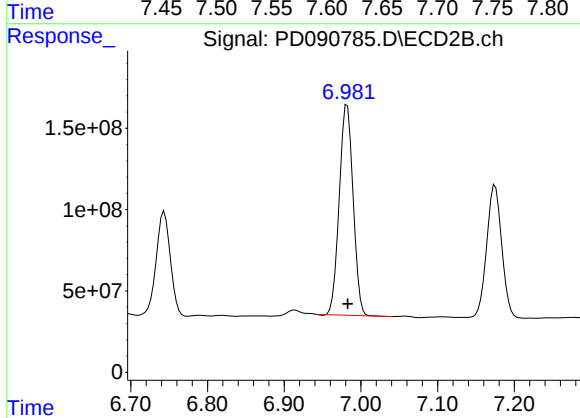
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 238588310
Conc: 49.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

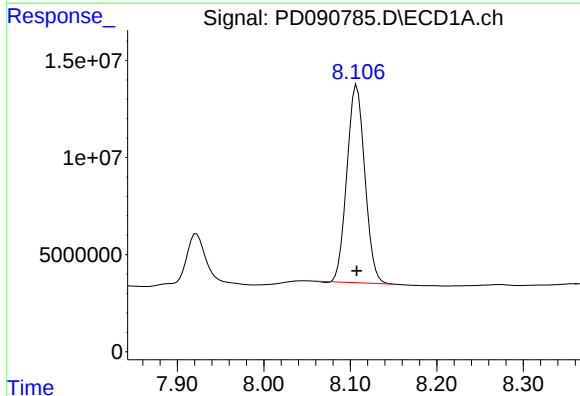
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



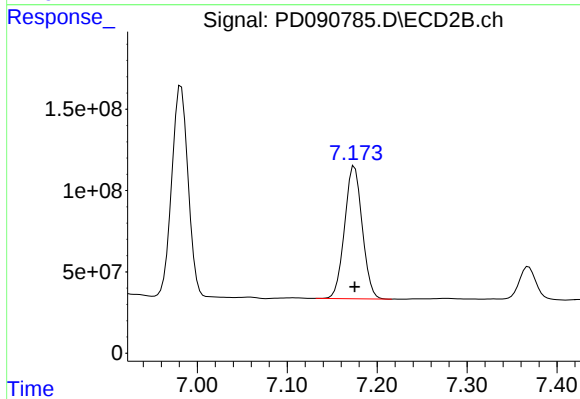
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1622740096
Conc: 43.02 ng/ml



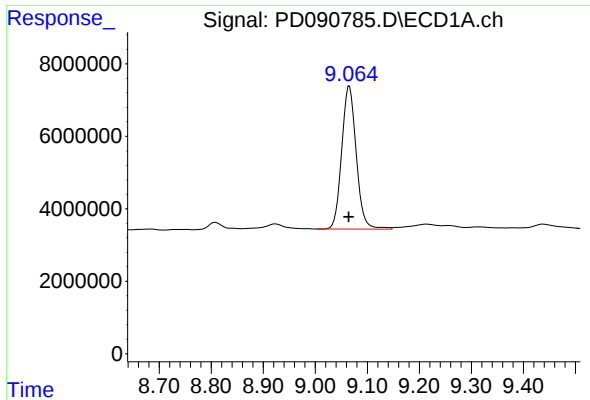
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 145856859
Conc: 45.57 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1110658534
Conc: 43.23 ng/ml



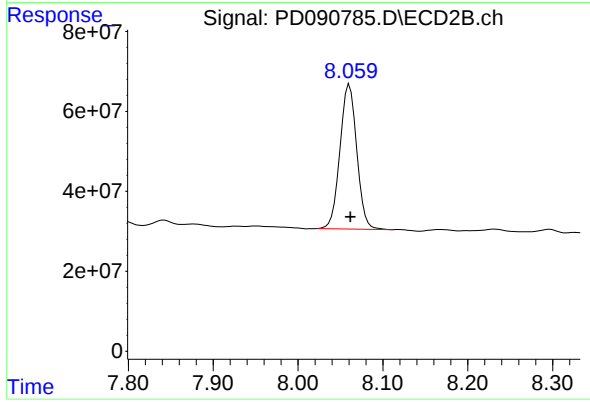
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 76677754
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR132-S07-000102-20251017MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 497943927
Conc: 16.44 ng/ml