

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102225\
 Data File : PD090771.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 18:52
 Operator : AR\AJ
 Sample : Q3399-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-ROLLOFFMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/23/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 14:24:15 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...	3.544	2.875	65762388	597.0E6	21.117	20.049
28)	SA Decachlor...	9.066	8.061	89978793	628.0E6	19.235	20.733
Target Compounds							
2)	A alpha-BHC	3.994	3.386	352.1E6	2419.1E6	49.058	47.345
3)	MA gamma-BHC...	4.325	3.723	332.8E6	2227.6E6	48.955	47.145
4)	MA Heptachlor	4.923	4.075	324.6E6	2135.8E6	58.076	47.885
5)	MB Aldrin	5.264	4.360	309.8E6	2138.0E6	47.321	46.158
6)	B beta-BHC	4.512	4.019	123.8E6	945.7E6	47.265	47.693
7)	B delta-BHC	4.760	4.255	351.9E6	2279.8E6	52.043	47.778
8)	B Heptachlo...	5.684	4.864	314.7E6	2251.7E6	54.354	52.807
9)	A Endosulfan I	6.068	5.238	287.8E6	1905.6E6	51.982	48.376
10)	B gamma-Chl...	5.940	5.116	277.4E6	2152.0E6	46.771	47.876
11)	B alpha-Chl...	6.019	5.181	355.5E6	2067.8E6	57.529m	47.934
12)	B 4,4'-DDE	6.190	5.365	256.7E6	2124.3E6	48.192	48.457
13)	MA Dieldrin	6.341	5.503	290.1E6	2161.9E6	49.753	48.929
14)	MA Endrin	6.568	5.780	248.4E6	2018.6E6	50.147	49.851
15)	B Endosulfa...	6.781	6.071	237.2E6	1862.2E6	47.447	49.586
16)	A 4,4'-DDD	6.700	5.920	202.3E6	1793.0E6	49.888	49.206
17)	MA 4,4'-DDT	7.016	6.173	220.1E6	1840.2E6	53.550	52.468
18)	B Endrin al...	6.910	6.250	188.7E6	1414.5E6	51.516	51.079
19)	B Endosulfa...	7.145	6.473	229.6E6	1814.1E6	49.505	50.608
20)	A Methoxychlor	7.489	6.744	110.3E6	926.9E6	51.907	53.185
21)	B Endrin ke...	7.626	6.983	249.9E6	1971.2E6	51.441	52.263
22)	Mirex	8.108	7.175	153.4E6	1277.0E6	47.915	49.706

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

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Acq On : 22 Oct 2025 18:52
Operator : AR\AJ
Sample : Q3399-02MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

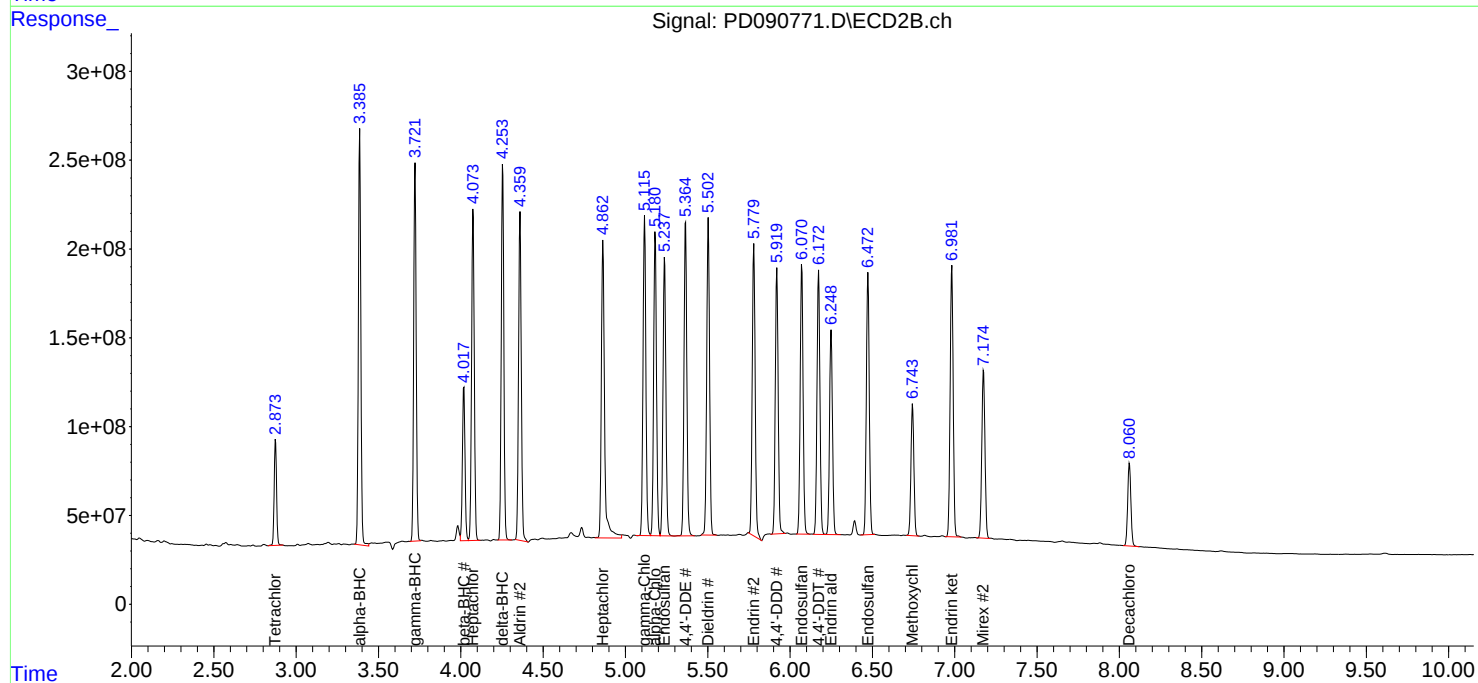
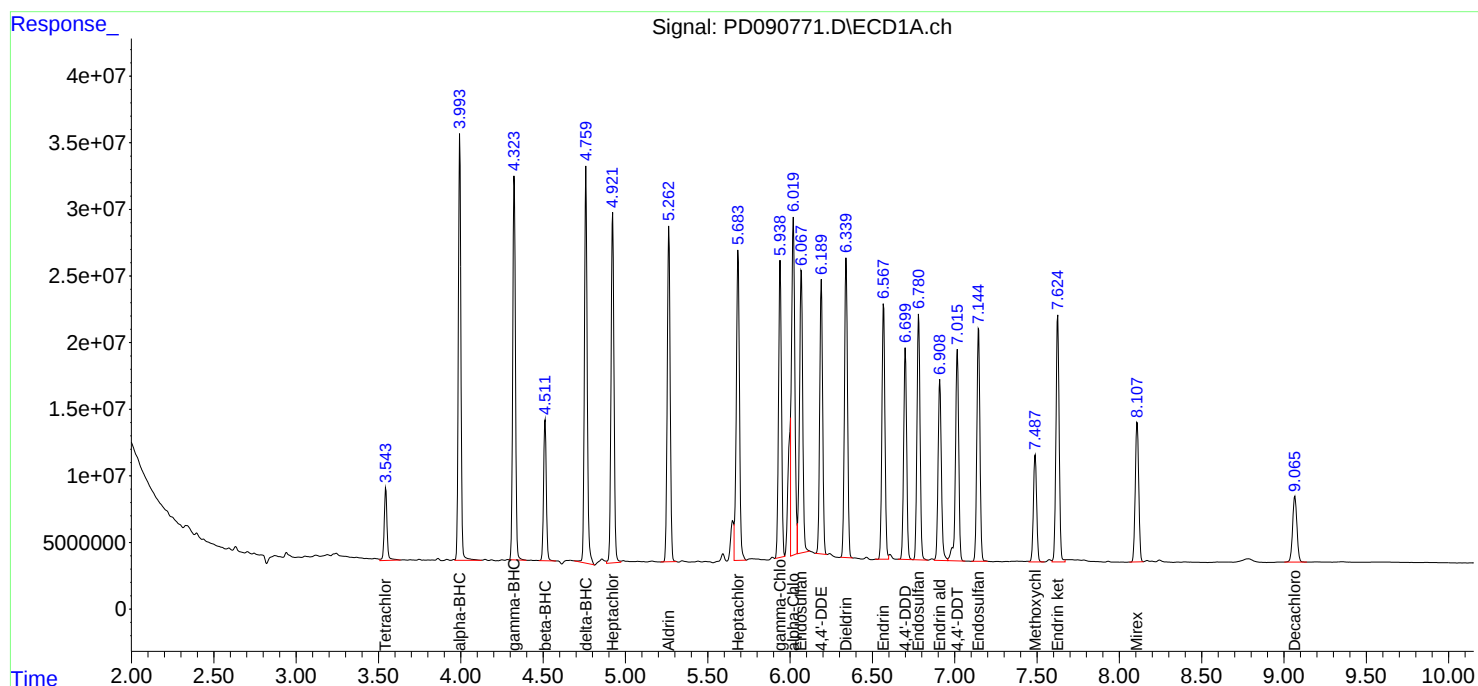
Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

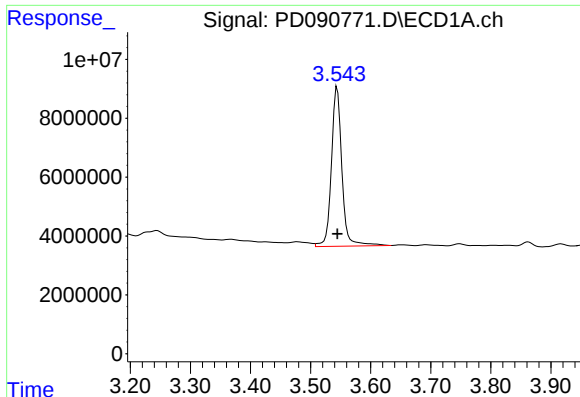
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 14:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





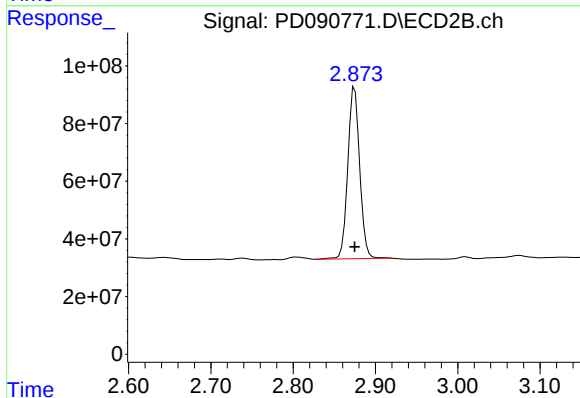
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 65762388
Conc: 21.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

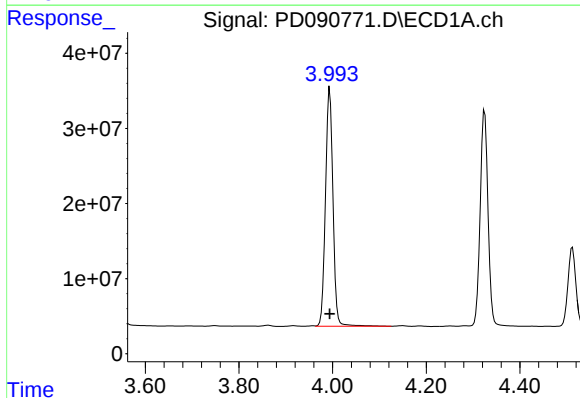
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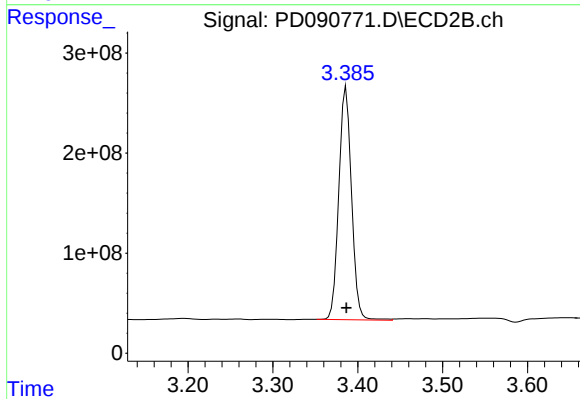
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 596999637
Conc: 20.05 ng/ml



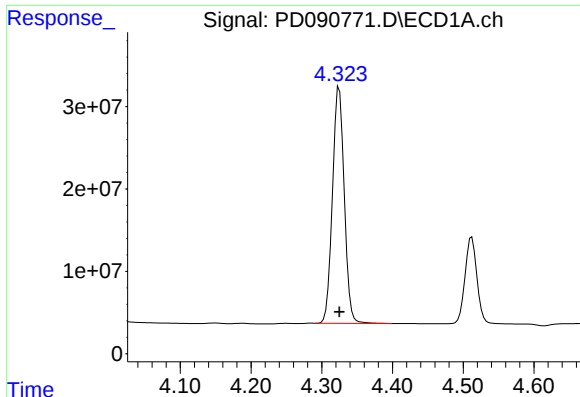
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 352095825
Conc: 49.06 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2419131944
Conc: 47.35 ng/ml



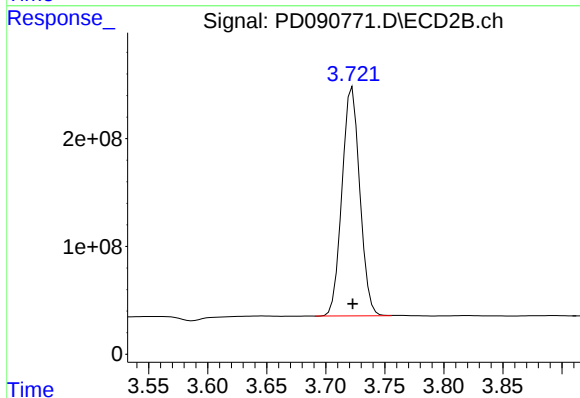
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 332837540
Conc: 48.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

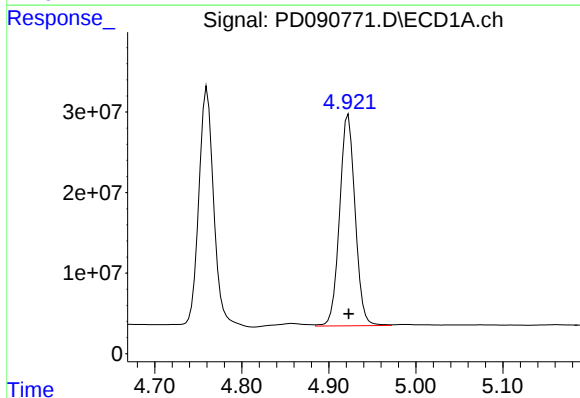
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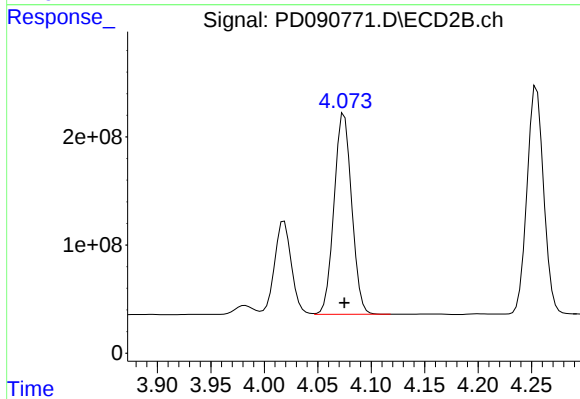
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2227569987
Conc: 47.15 ng/ml



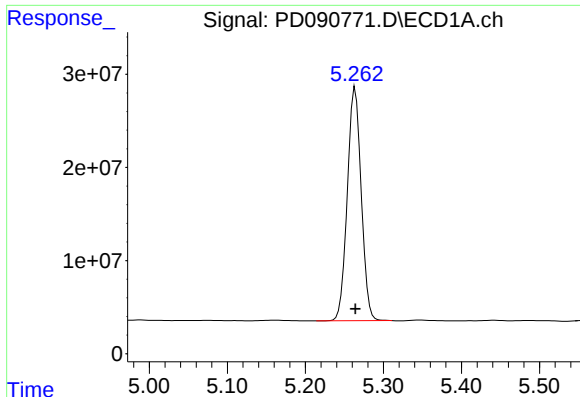
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 324618437
Conc: 58.08 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2135821181
Conc: 47.89 ng/ml



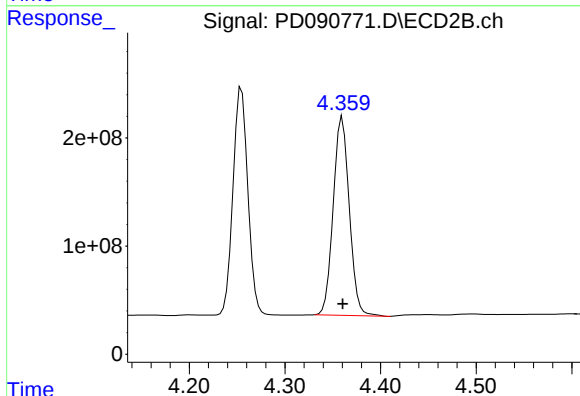
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 309823787
Conc: 47.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

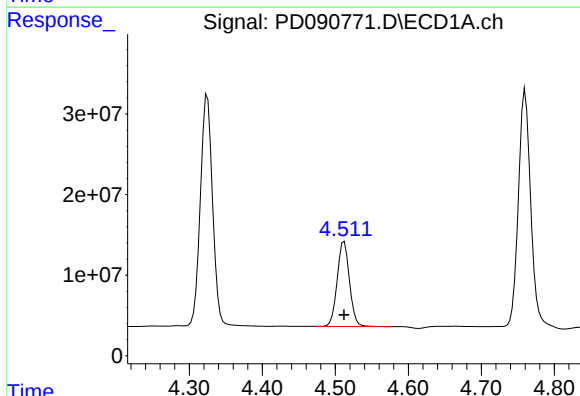
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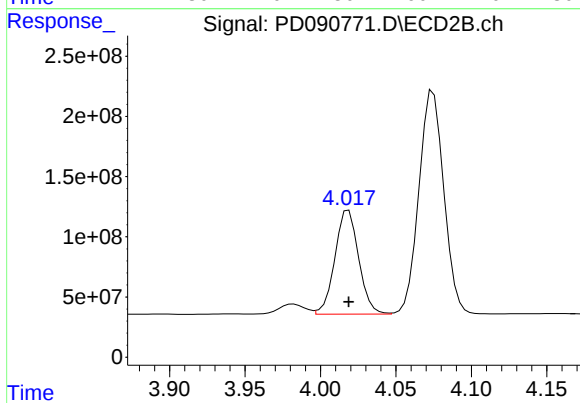
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2137998908
Conc: 46.16 ng/ml



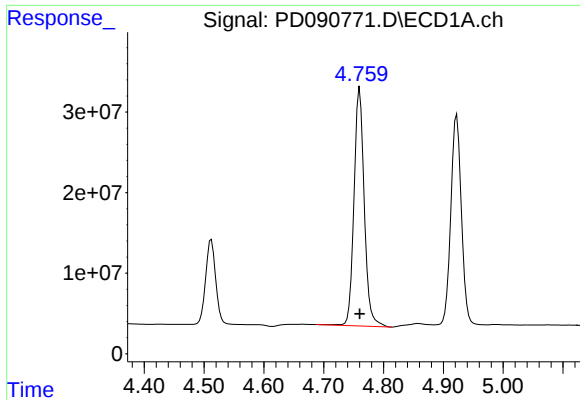
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 123816076
Conc: 47.26 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 945733854
Conc: 47.69 ng/ml



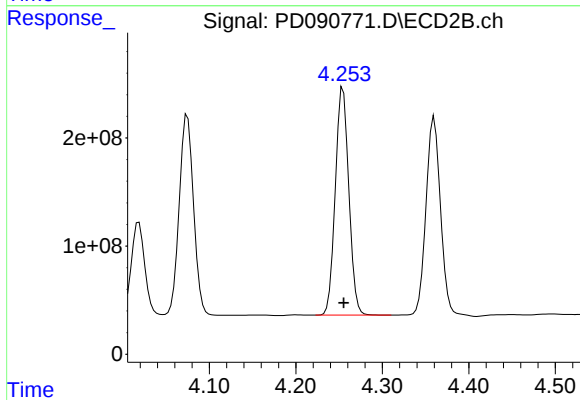
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 351898872
Conc: 52.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

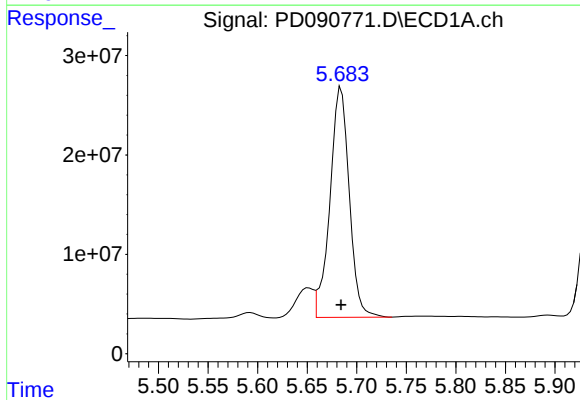
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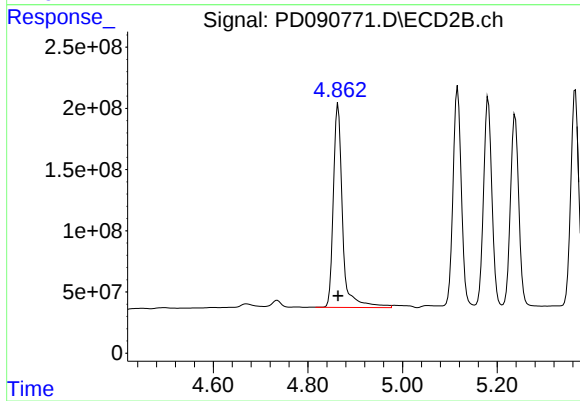
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2279783971
Conc: 47.78 ng/ml



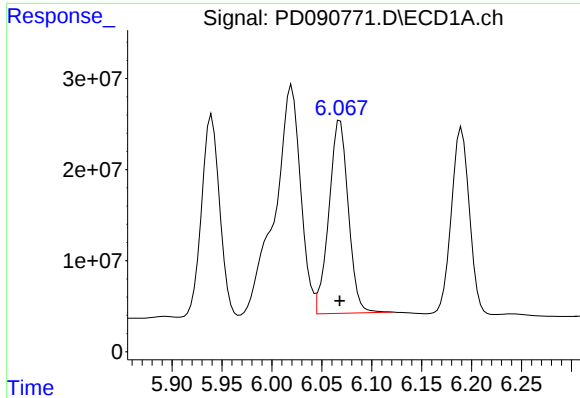
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 314660726
Conc: 54.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2251650148
Conc: 52.81 ng/ml



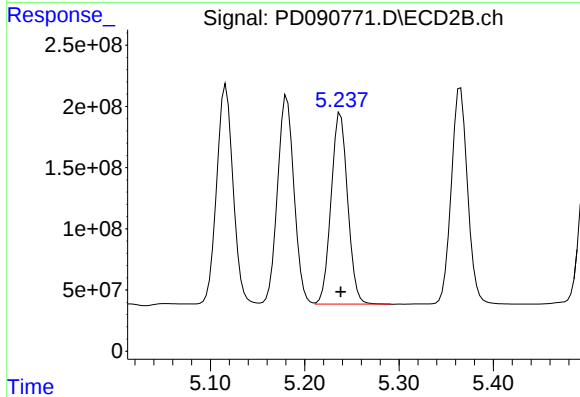
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 287807808
Conc: 51.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

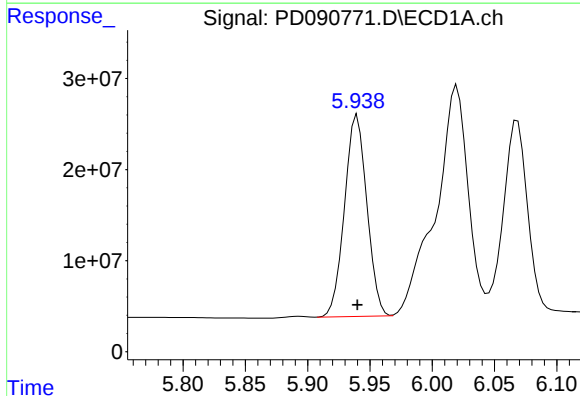
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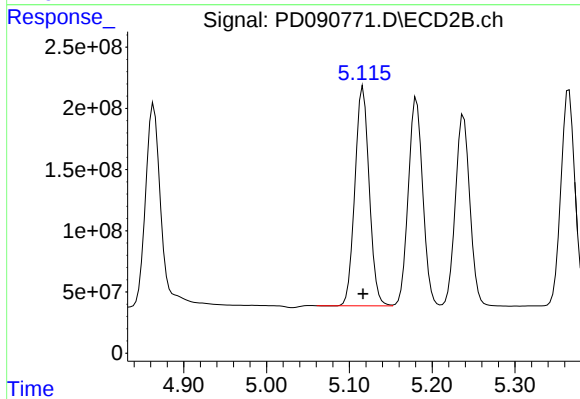
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1905552500
Conc: 48.38 ng/ml



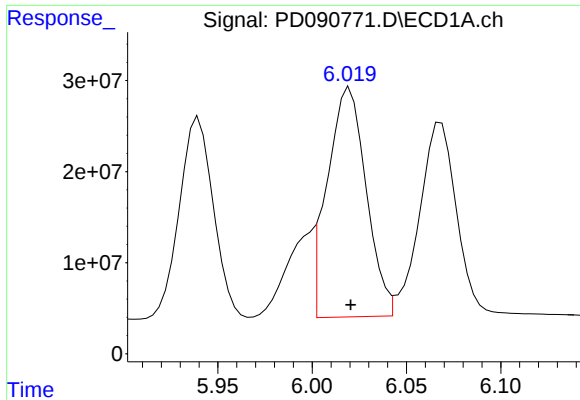
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 277410055
Conc: 46.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2151965468
Conc: 47.88 ng/ml



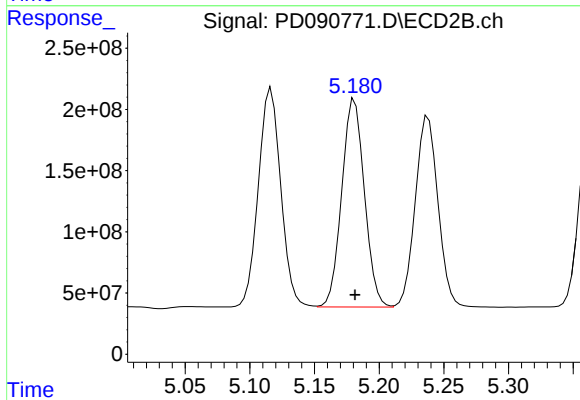
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 355541852
Conc: 57.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

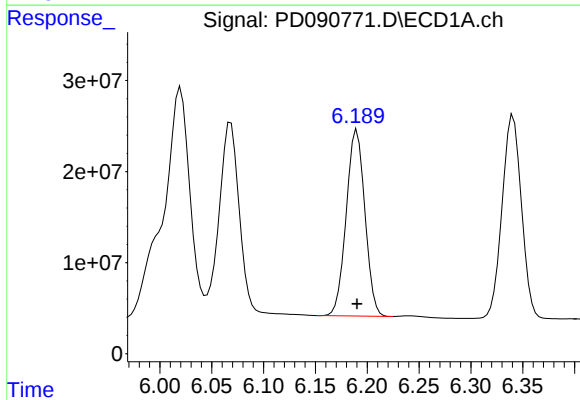
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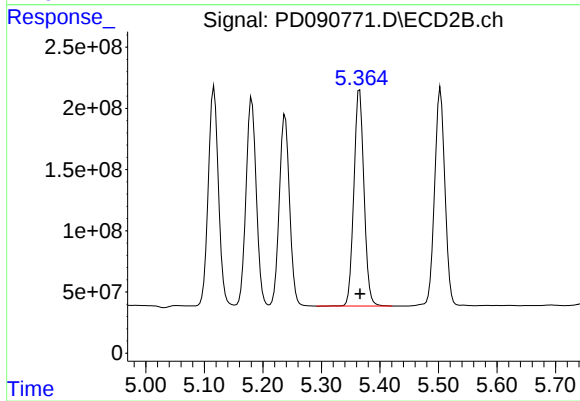
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2067756549
Conc: 47.93 ng/ml



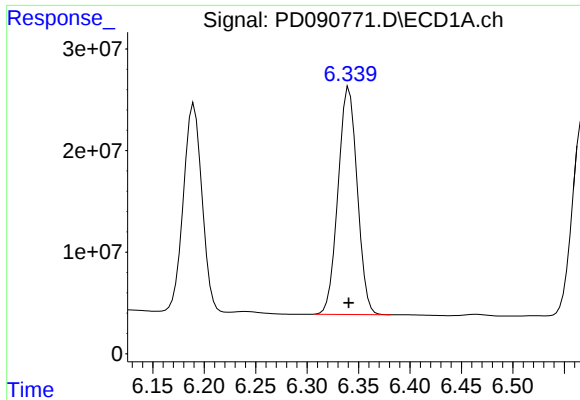
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 256702817
Conc: 48.19 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2124273503
Conc: 48.46 ng/ml



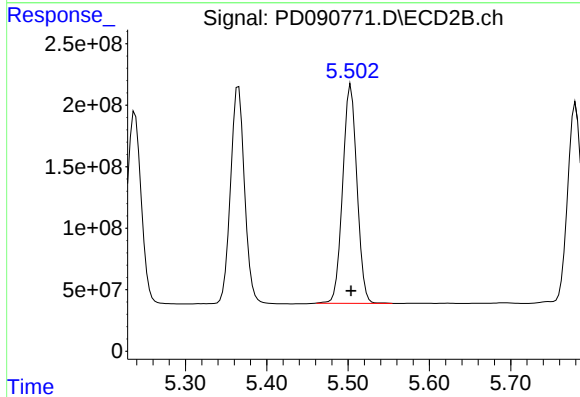
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 290129110
Conc: 49.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
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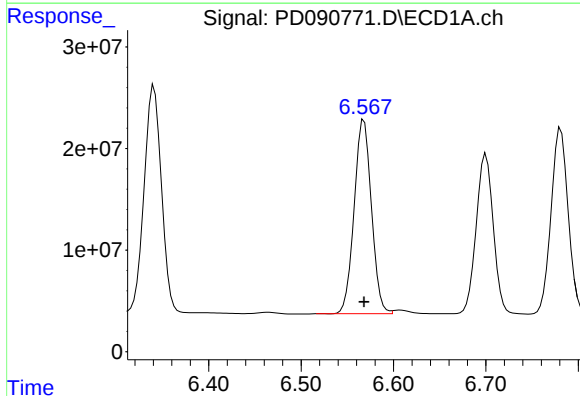
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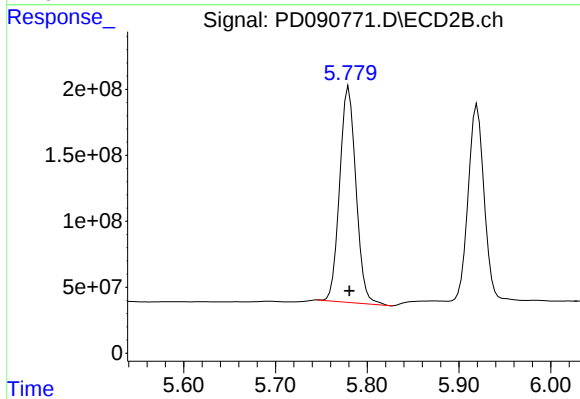
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2161876120
Conc: 48.93 ng/ml



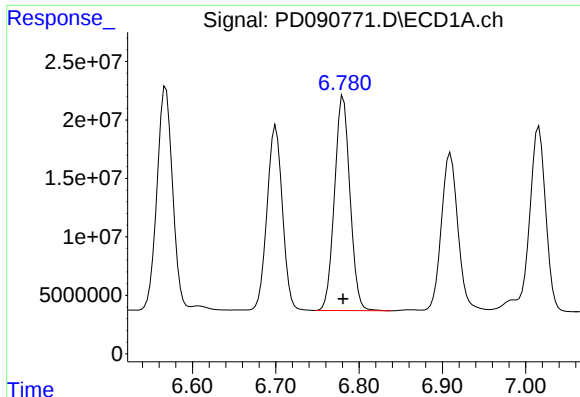
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 248412388
Conc: 50.15 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2018648811
Conc: 49.85 ng/ml



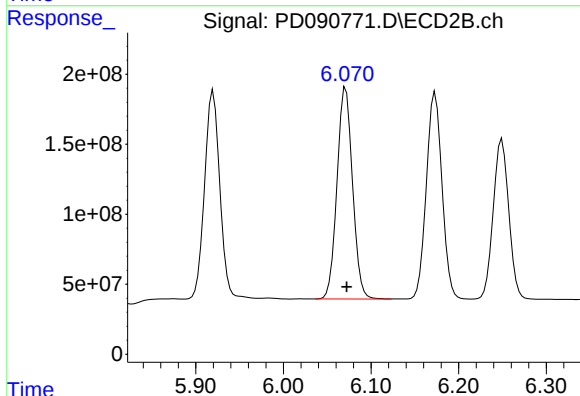
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 237235461
Conc: 47.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

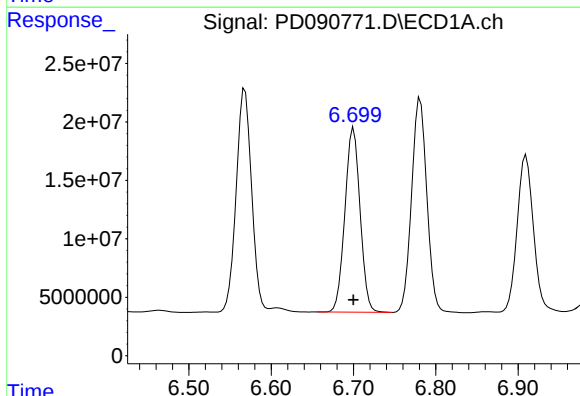
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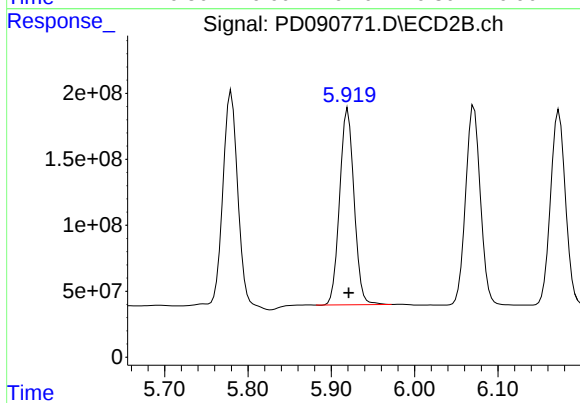
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 1862240065
Conc: 49.59 ng/ml



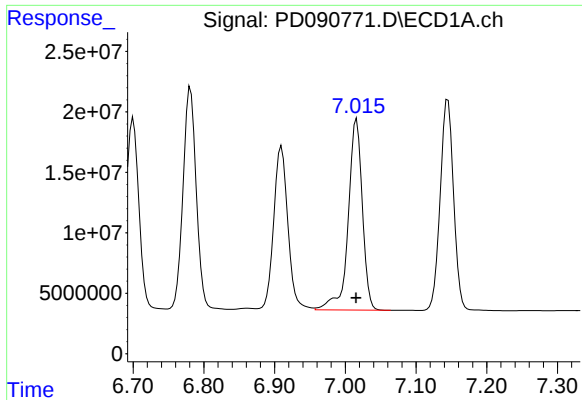
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 202258425
Conc: 49.89 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1792976401
Conc: 49.21 ng/ml



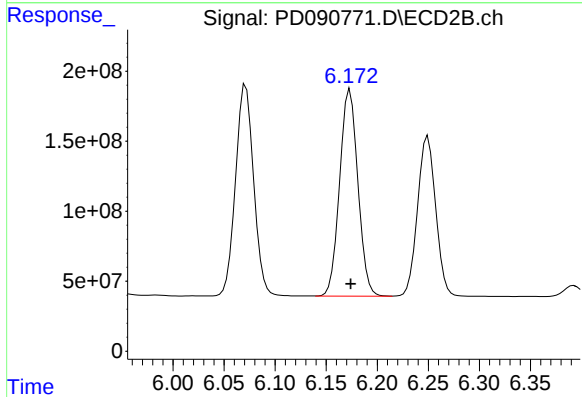
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 220115245
Conc: 53.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

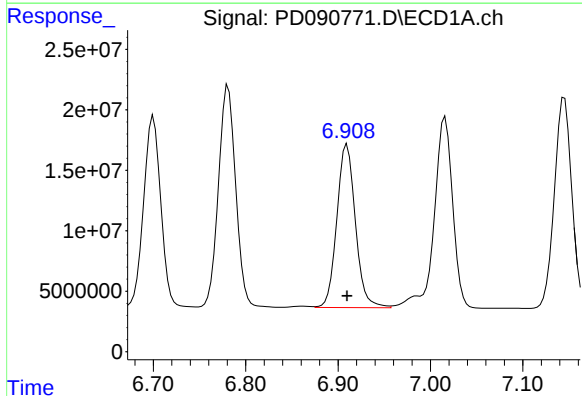
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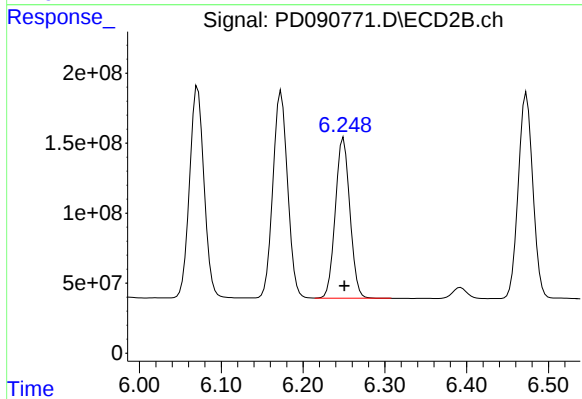
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1840197668
Conc: 52.47 ng/ml



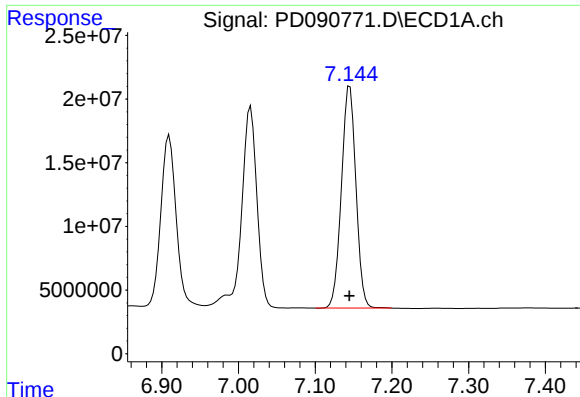
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 188688018
Conc: 51.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1414511845
Conc: 51.08 ng/ml



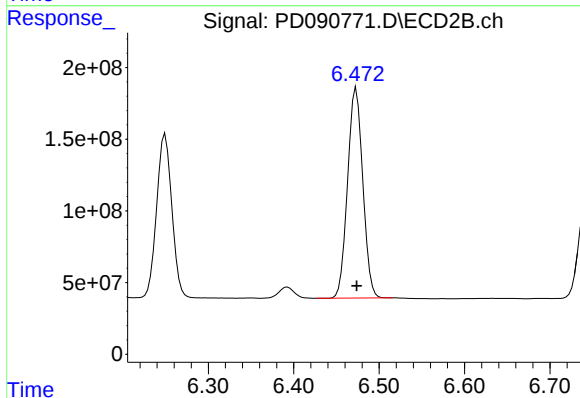
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 229611858
Conc: 49.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

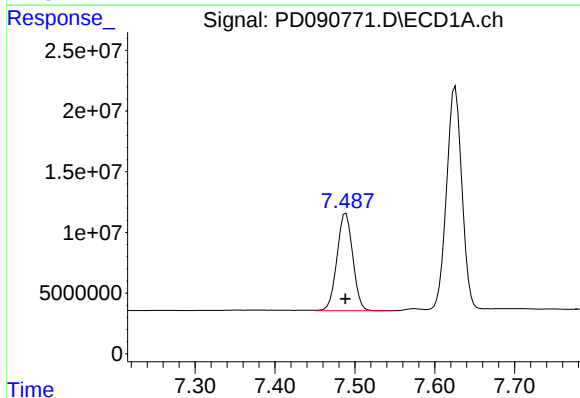
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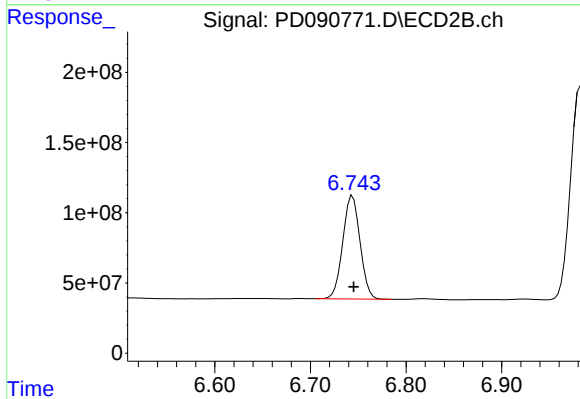
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1814058553
Conc: 50.61 ng/ml



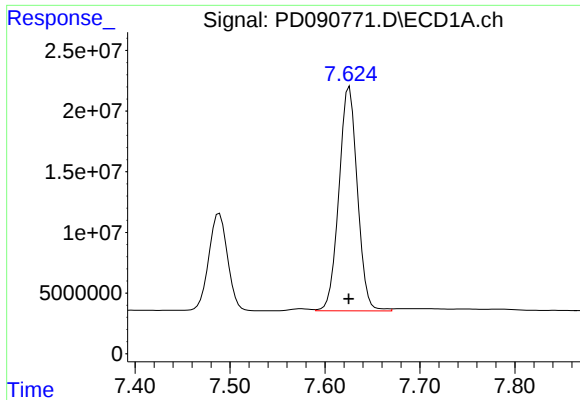
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 110333716
Conc: 51.91 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 926900488
Conc: 53.19 ng/ml



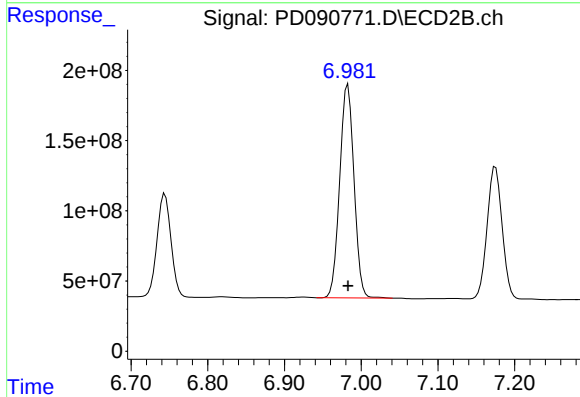
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 249942171
Conc: 51.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

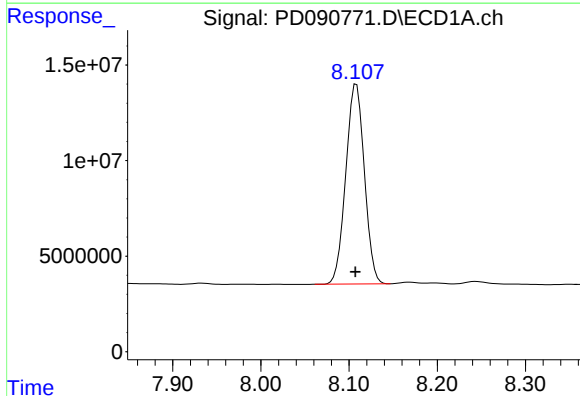
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



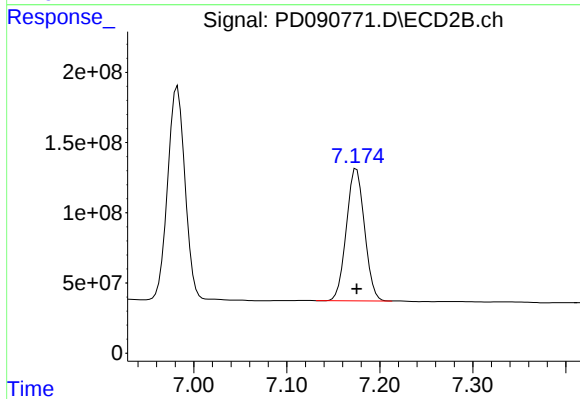
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1971235376
Conc: 52.26 ng/ml



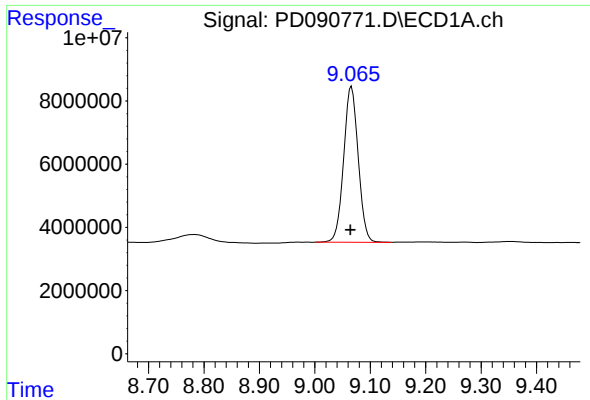
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 153368285
Conc: 47.91 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1277005008
Conc: 49.71 ng/ml



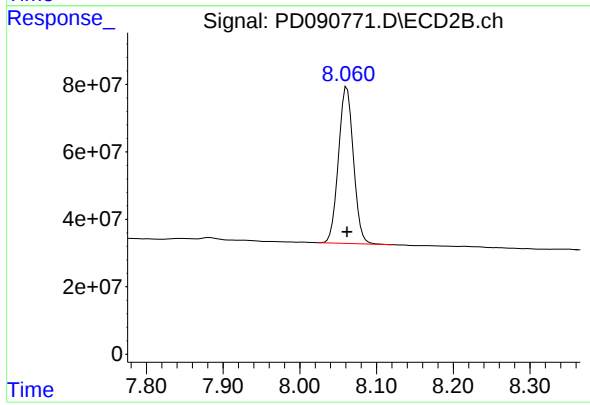
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 89978793
Conc: 19.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 628033481
Conc: 20.73 ng/ml