

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094957.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 14:03
 Operator : AR\AJ
 Sample : Q1674-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RT5358MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:12:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	38919475	49667950	13.749m	13.915
28) SA Decachlor...	9.054	7.904	31192180	52491155	14.801	12.995
Target Compounds						
2) A alpha-BHC	3.994	3.272	186.8E6	277.8E6	44.992	51.532
3) MA gamma-BHC...	4.327	3.602	183.5E6	255.5E6	45.992	49.713
4) MA Heptachlor	4.914	3.940	174.3E6	252.7E6	44.916	47.972
5) MB Aldrin	5.256	4.219	168.8E6	236.7E6	45.714	48.542
6) B beta-BHC	4.525	3.903	84452146	114.1E6	45.768	51.370
7) B delta-BHC	4.773	4.131	186.5E6	244.2E6	47.878	48.817
8) B Heptachlo...	5.681	4.721	160.9E6	228.8E6	48.107m	49.970m
9) A Endosulfan I	6.069	5.092	144.6E6	209.2E6	47.096	47.671
10) B gamma-Chl...	5.939	4.972	177.7E6	297.2E6	52.740	61.551
11) B alpha-Chl...	6.018	5.035	194.1E6	272.9E6	58.870	57.181
12) B 4,4'-DDE	6.191	5.223	150.9E6	251.0E6	51.304	54.003m
13) MA Dieldrin	6.344	5.356	156.7E6	254.7E6	48.982	52.495
14) MA Endrin	6.574	5.631	129.2E6	224.4E6	46.597	51.414
15) B Endosulfa...	6.794	5.926	133.2E6	221.3E6	49.067	51.133m
16) A 4,4'-DDD	6.709	5.778	122.2E6	187.5E6	56.406m	52.129m
17) MA 4,4'-DDT	7.023	6.029	129.0E6	221.5E6	54.241	54.943
18) B Endrin al...	6.923	6.105	104.7E6	168.6E6	49.585m	50.091
19) B Endosulfa...	7.159	6.329	120.3E6	205.9E6	49.483	50.547
20) A Methoxychlor	7.500	6.604	61957899	110.1E6	51.758	51.920
21) B Endrin ke...	7.643	6.834	135.0E6	241.0E6	51.079m	50.503
22) Mirex	8.116	7.011	93579386	178.4E6	45.289	47.012m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 14:03
Operator : AR\AJ
Sample : Q1674-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

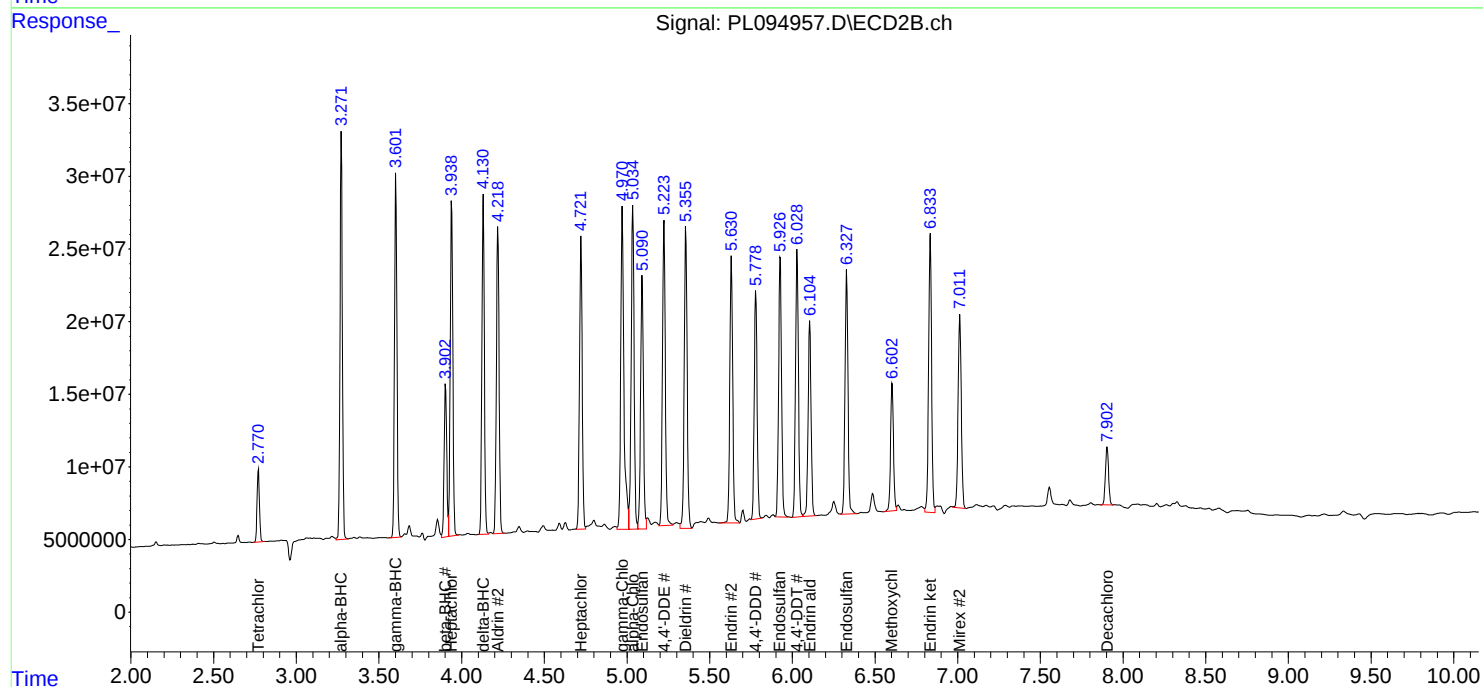
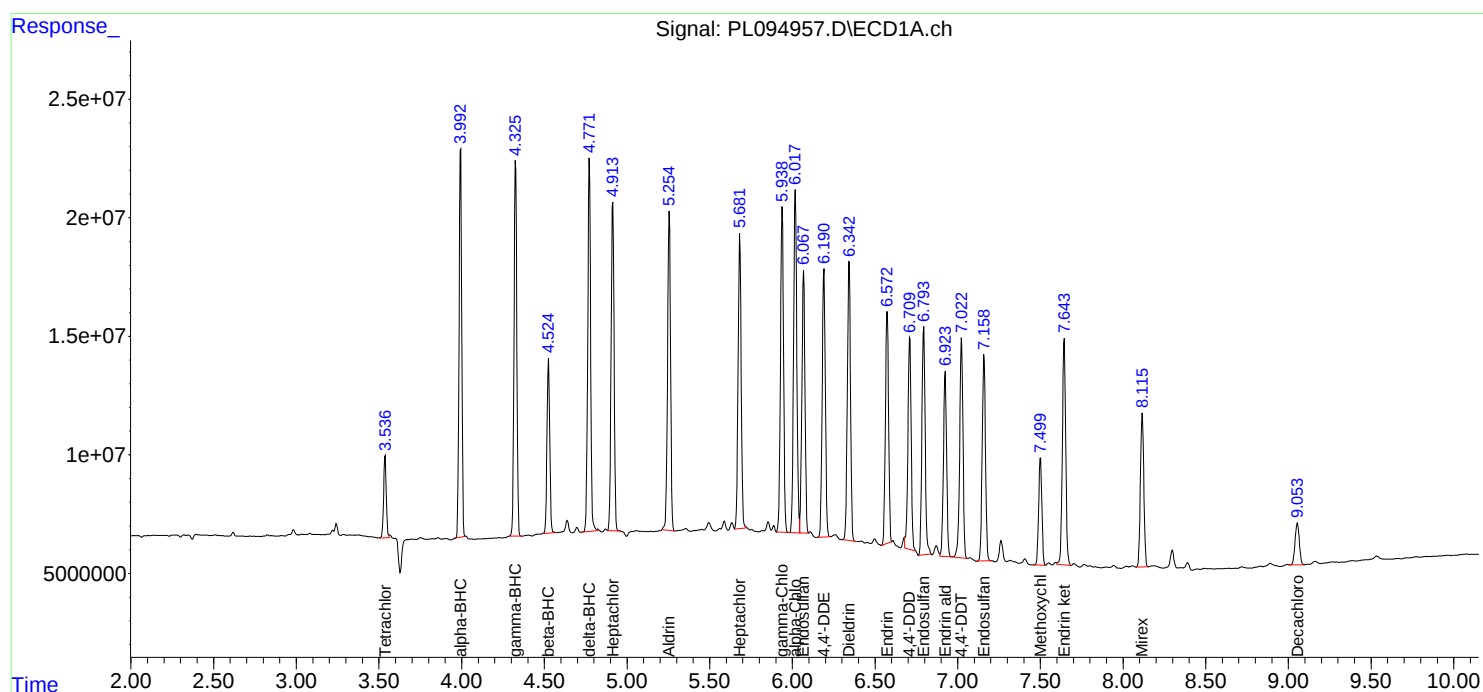
Instrument :
ECD_L
ClientSampleId :
RT5358MSD

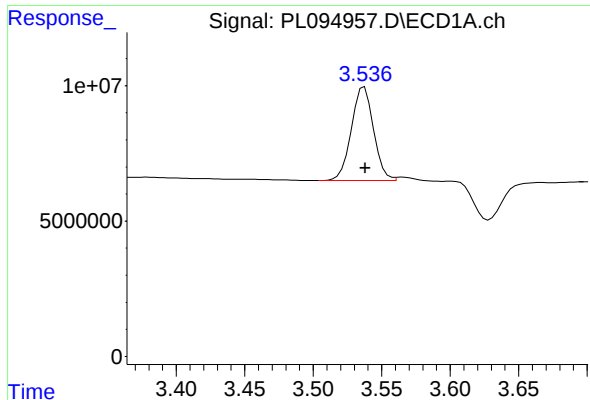
Manual Integrations
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Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:12:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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 x0.25µm





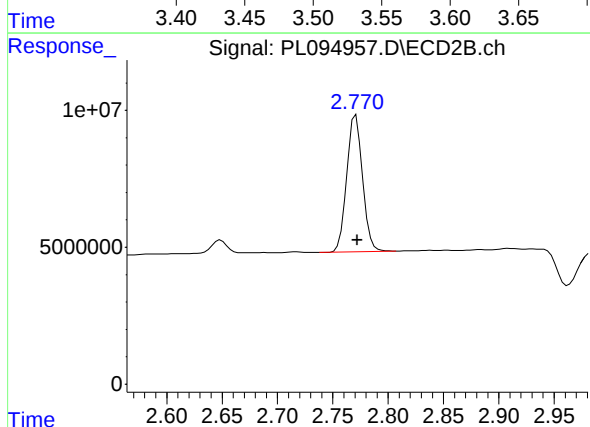
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 38919475
Conc: 13.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

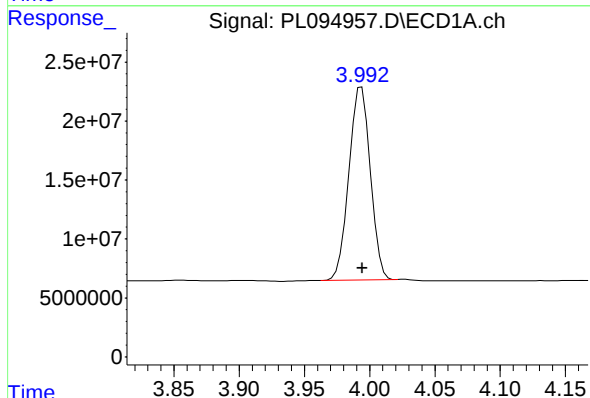
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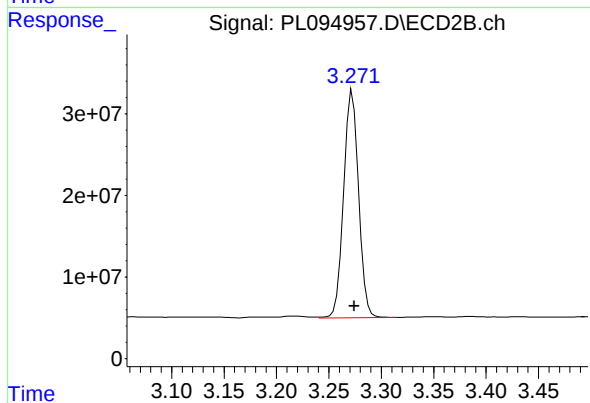
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 49667950
Conc: 13.92 ng/ml



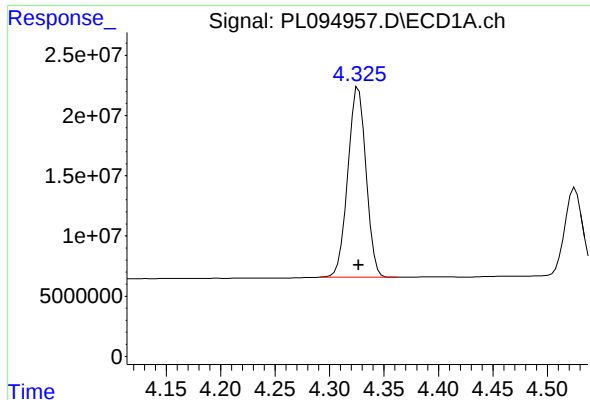
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 186824158
Conc: 44.99 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 277827899
Conc: 51.53 ng/ml



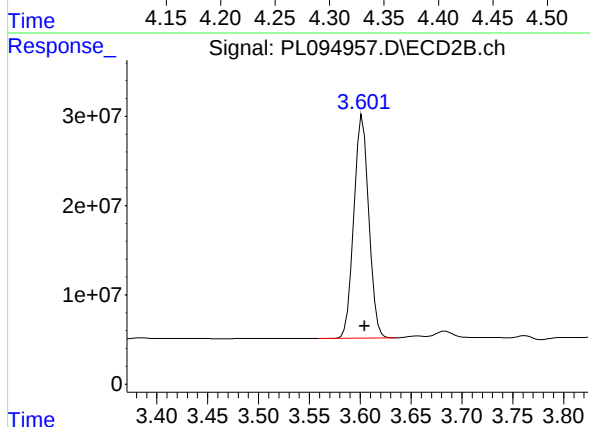
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 183522034
Conc: 45.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

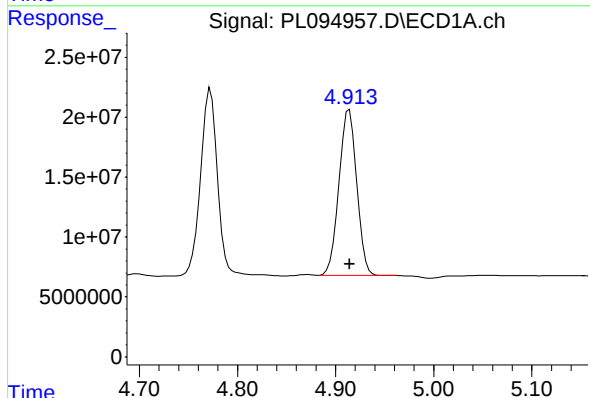
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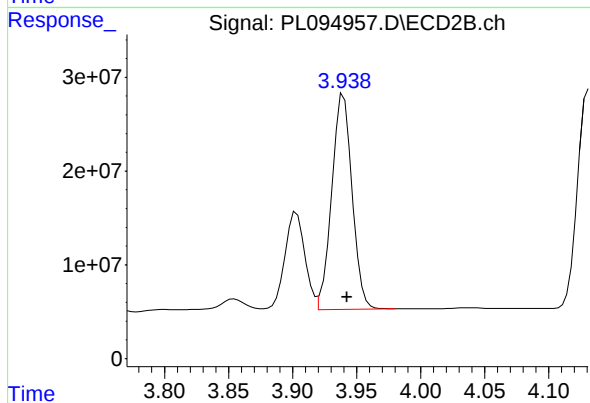
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 255498278
Conc: 49.71 ng/ml



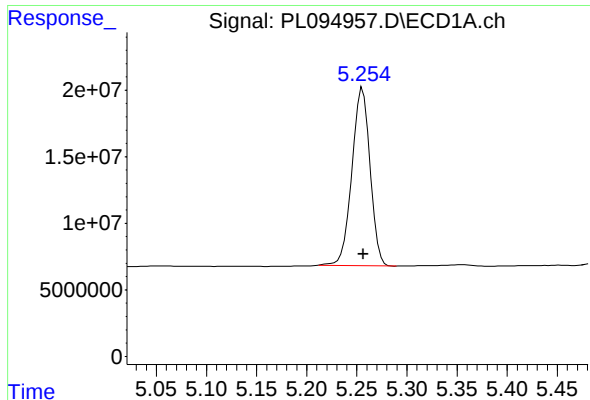
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 174347691
Conc: 44.92 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.002 min
Response: 252748042
Conc: 47.97 ng/ml



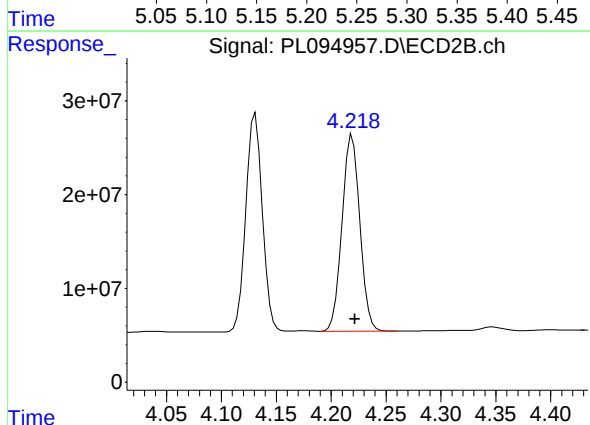
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 168785197
Conc: 45.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

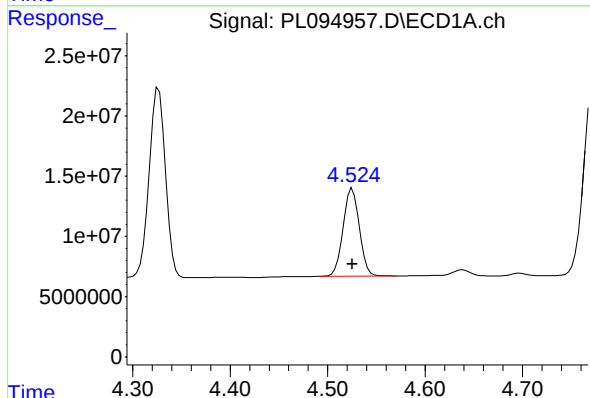
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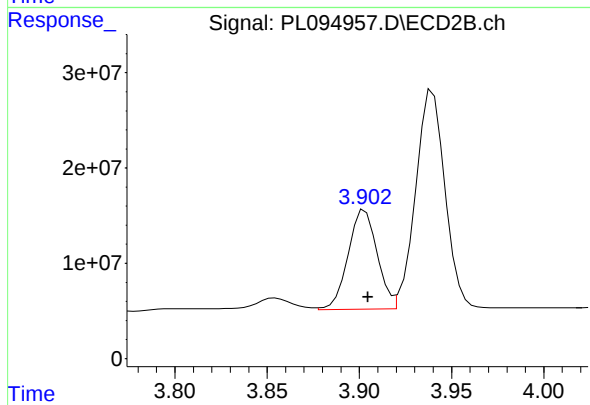
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.002 min
Response: 236709895
Conc: 48.54 ng/ml



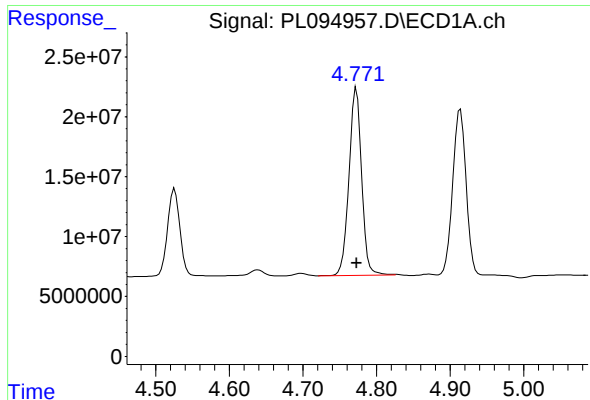
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 84452146
Conc: 45.77 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 114106801
Conc: 51.37 ng/ml



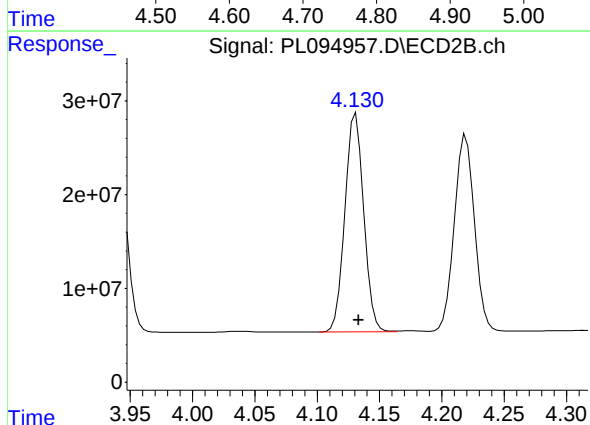
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186453499
Conc: 47.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

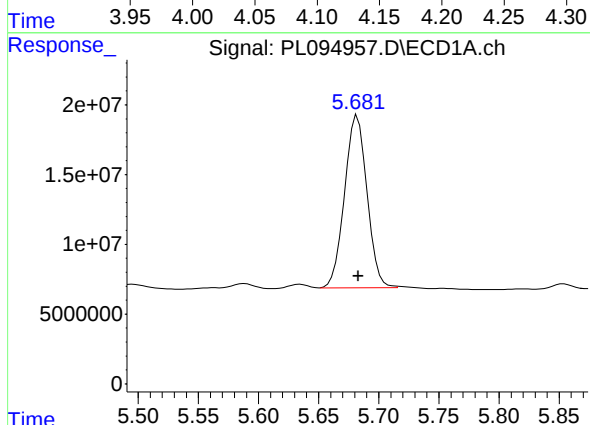
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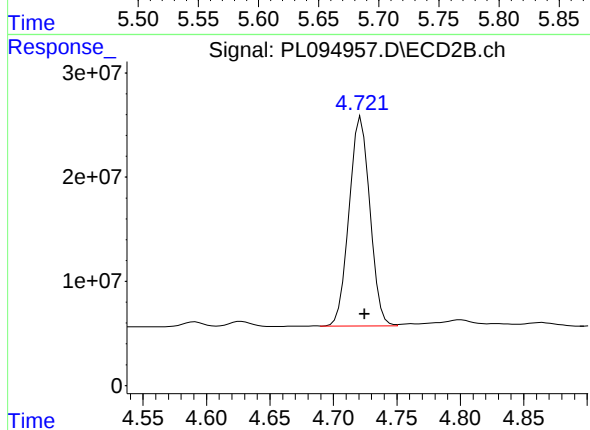
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 244179823
Conc: 48.82 ng/ml



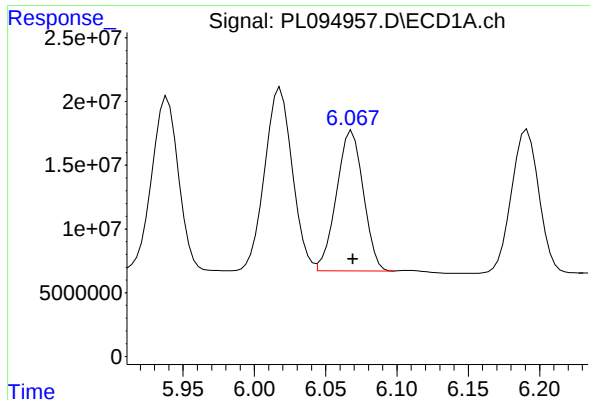
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 160927882
Conc: 48.11 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.004 min
Response: 228791080
Conc: 49.97 ng/ml m



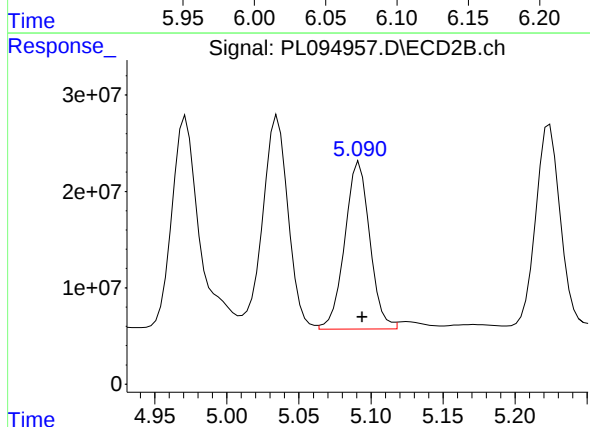
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 144595875
Conc: 47.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

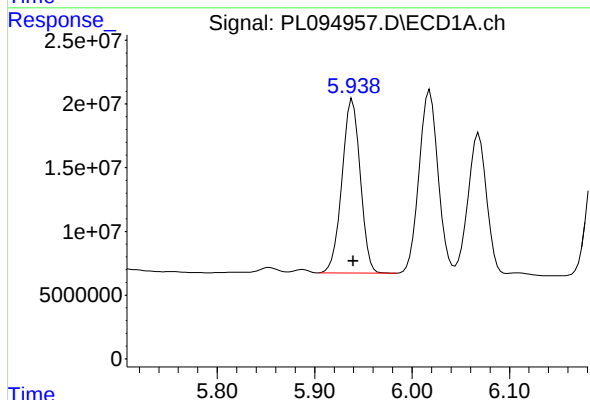
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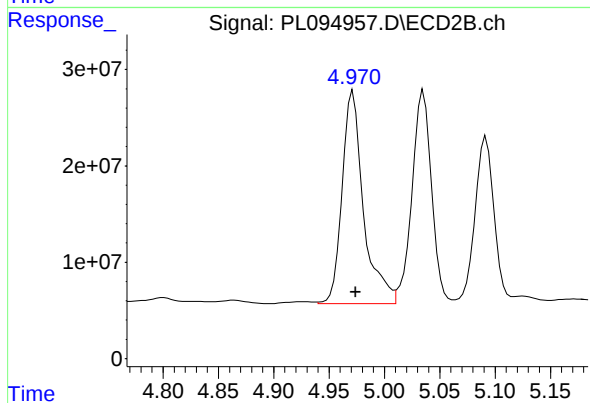
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 209214448
Conc: 47.67 ng/ml



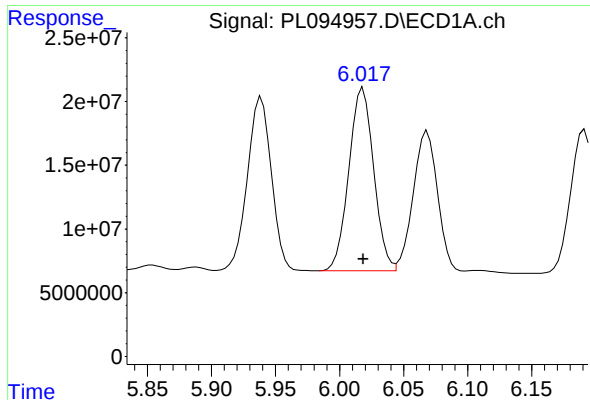
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 177700408
Conc: 52.74 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 297195828
Conc: 61.55 ng/ml



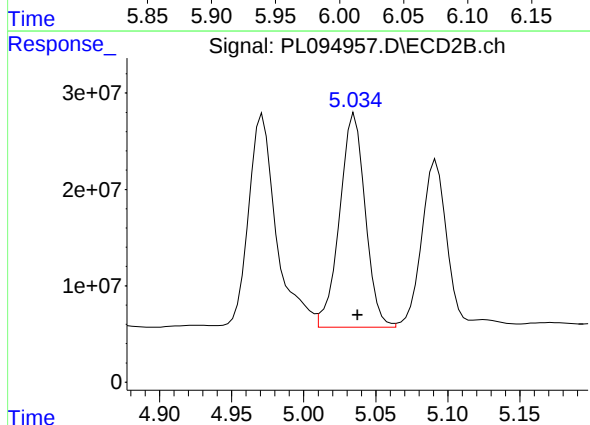
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 194084755
Conc: 58.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

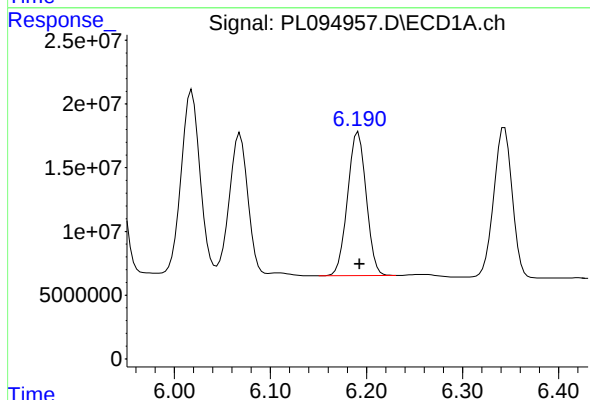
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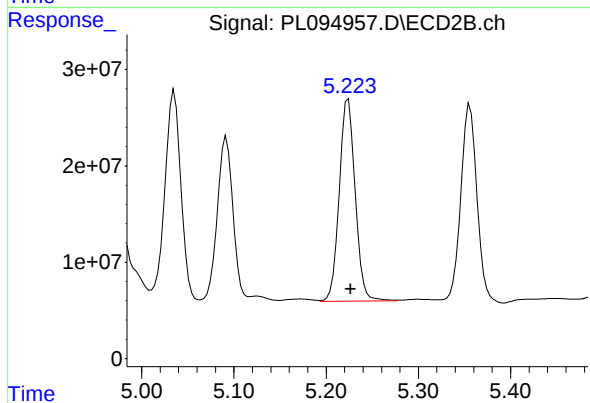
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 272911236
Conc: 57.18 ng/ml



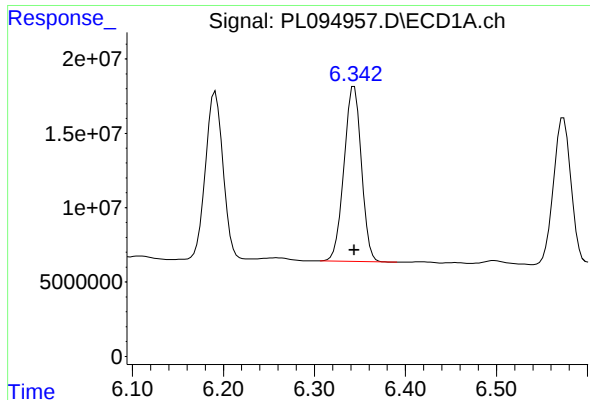
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 150938953
Conc: 51.30 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 251033812
Conc: 54.00 ng/ml m



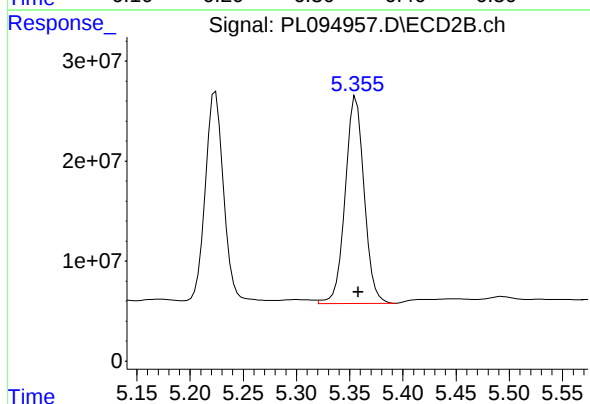
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156650562
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

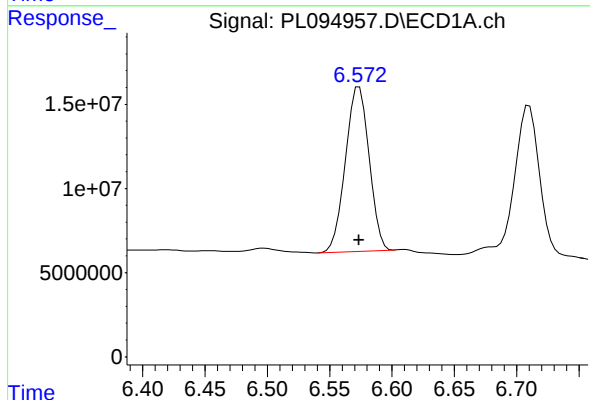
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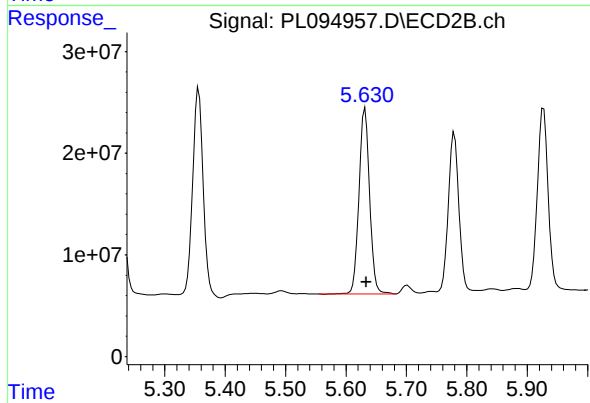
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 254695433
Conc: 52.49 ng/ml



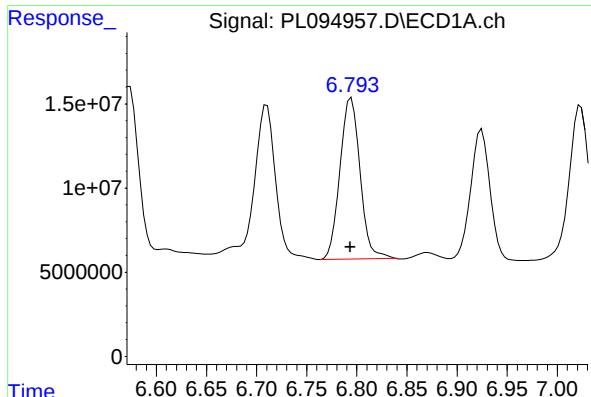
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 129168985
Conc: 46.60 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 224353223
Conc: 51.41 ng/ml



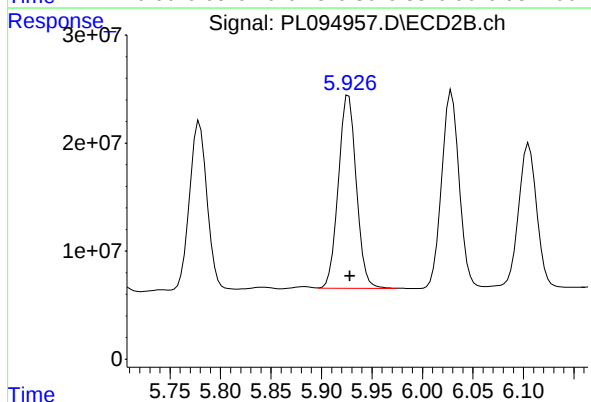
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133205210
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

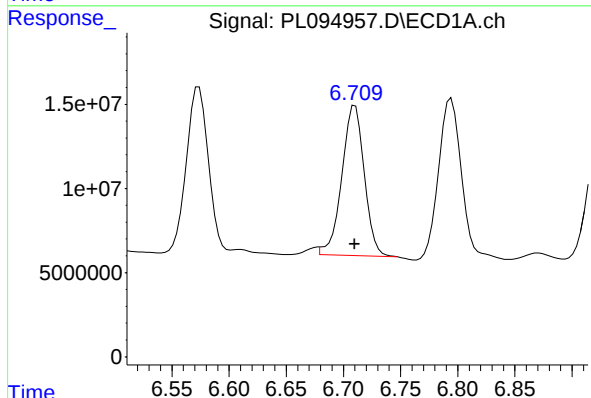
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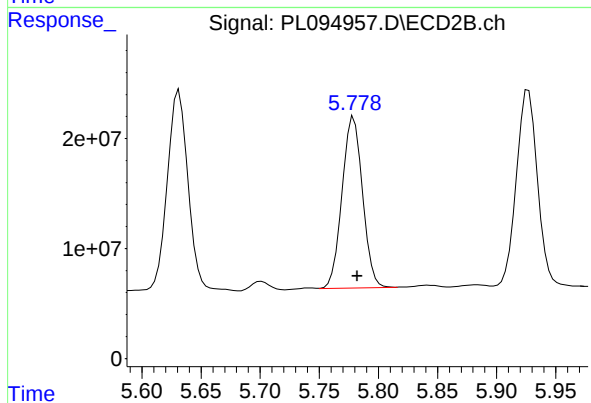
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 221318161
Conc: 51.13 ng/ml m



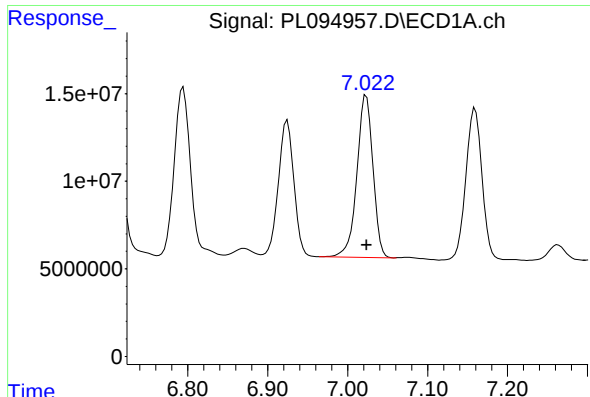
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.001 min
Response: 122179618
Conc: 56.41 ng/ml m



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 187450645
Conc: 52.13 ng/ml m



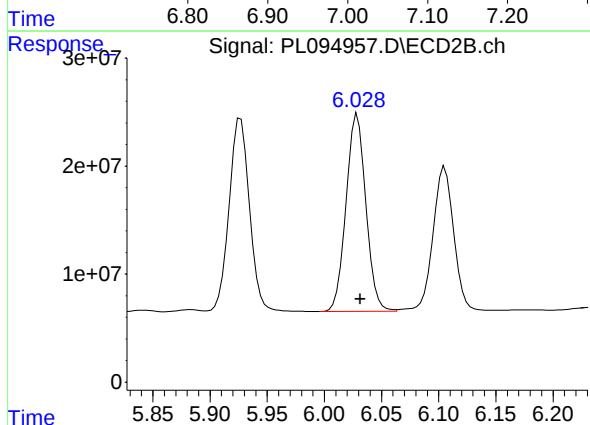
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 129015029
Conc: 54.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

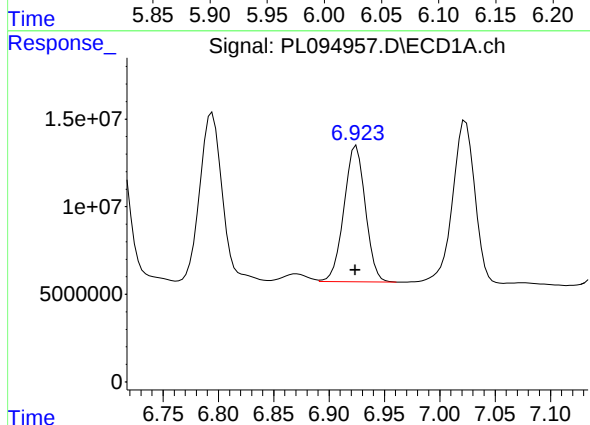
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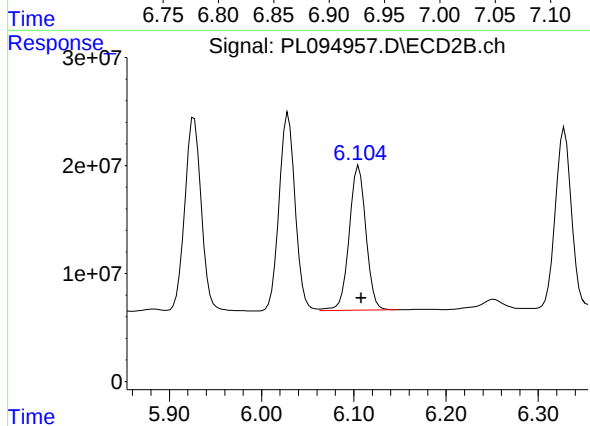
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 221535349
Conc: 54.94 ng/ml



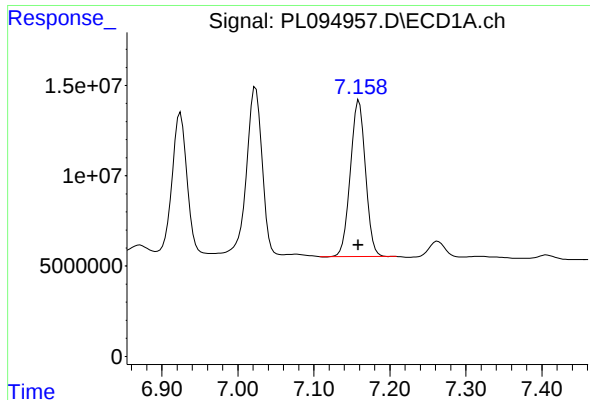
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 104673552
Conc: 49.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 168574084
Conc: 50.09 ng/ml



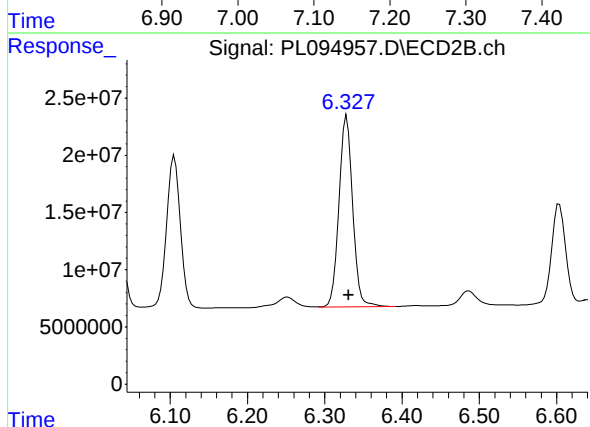
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 120344170
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

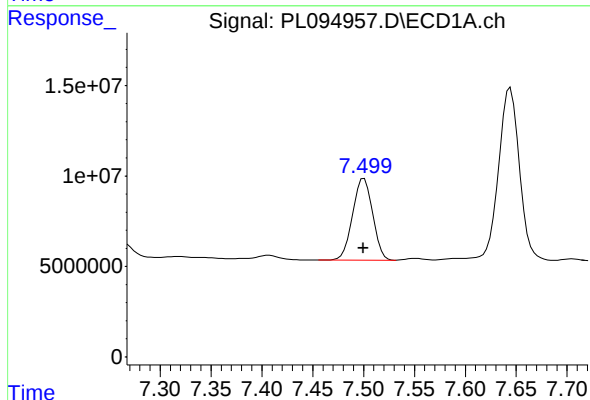
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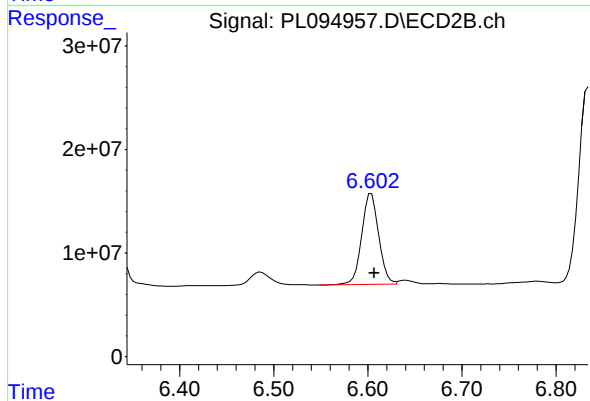
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.002 min
Response: 205901684
Conc: 50.55 ng/ml



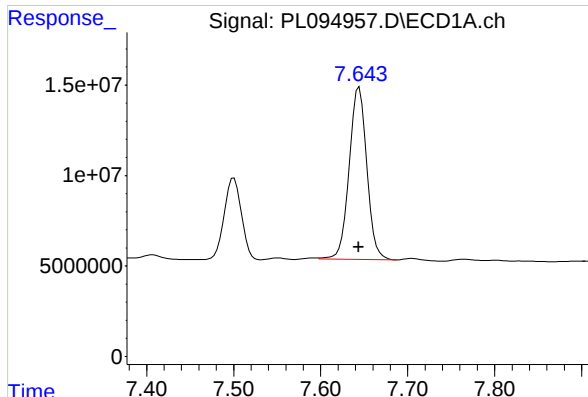
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 61957899
Conc: 51.76 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 110125249
Conc: 51.92 ng/ml



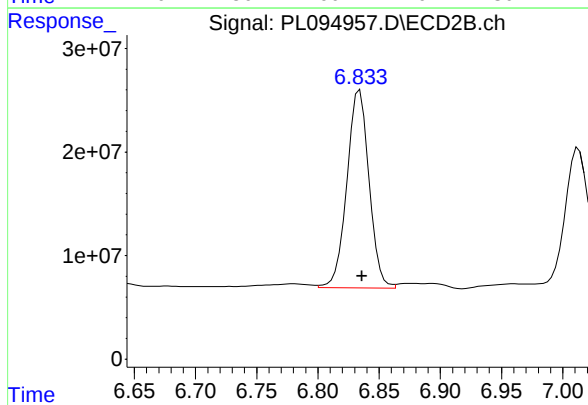
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 135016627
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

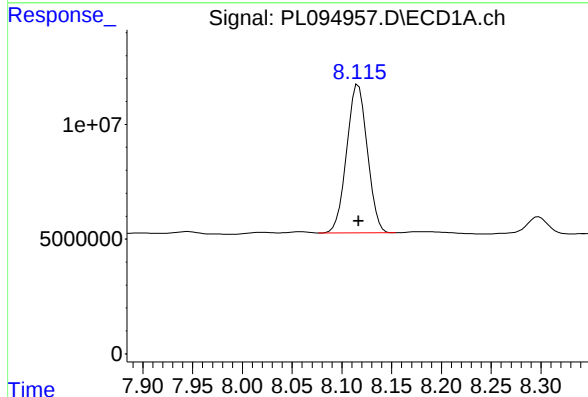
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



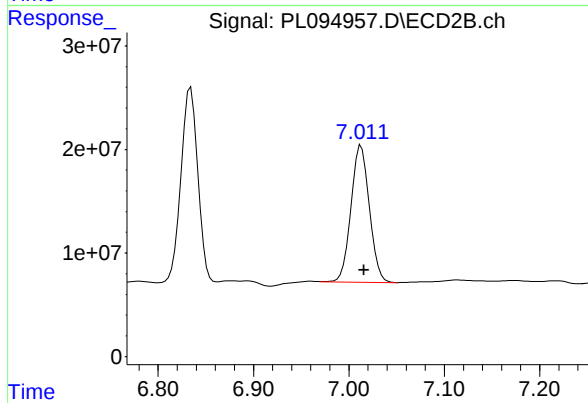
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.002 min
Response: 241030770
Conc: 50.50 ng/ml



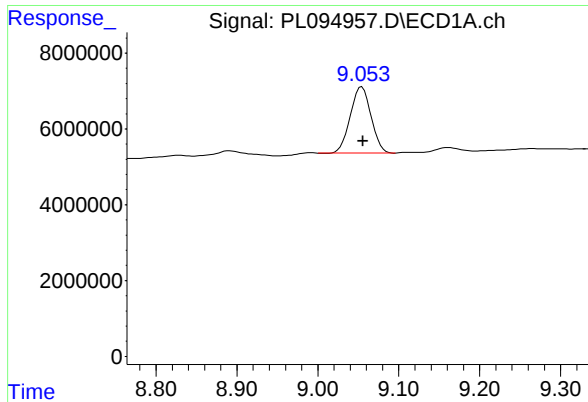
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 93579386
Conc: 45.29 ng/ml



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.004 min
Response: 178426709
Conc: 47.01 ng/ml m



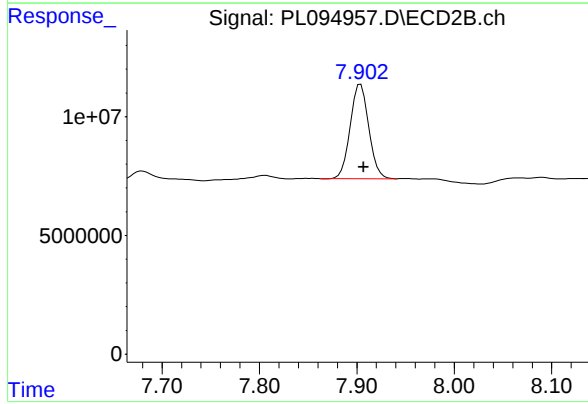
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 31192180
Conc: 14.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT5358MSD

Manual Integrations
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Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 52491155
Conc: 12.99 ng/ml