

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102225\
 Data File : PD090769.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 18:25
 Operator : AR\AJ
 Sample : Q3399-01MSD
 Misc :
 ALS Vial : 16 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 14:23:51 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	54579548	578.4E6	17.526m	19.425
2) SA Decachlor...	9.068	8.062	67109061	476.8E6	14.346	15.741
Target Compounds						
2) A alpha-BHC	3.994	3.386	358.4E6	2475.1E6	49.931	48.440
3) MA gamma-BHC...	4.325	3.722	331.9E6	2281.5E6	48.810	48.287
4) MA Heptachlor	4.923	4.075	322.2E6	2211.8E6	57.644	49.589
5) MB Aldrin	5.264	4.360	320.3E6	2251.0E6	48.919	48.597
6) B beta-BHC	4.512	4.019	125.7E6	951.4E6	47.986	47.977
7) B delta-BHC	4.760	4.255	337.7E6	2326.8E6	49.941	48.763
8) B Heptachlo...	5.685	4.864	286.7E6	2057.0E6	49.525	48.243
9) A Endosulfan I	6.069	5.239	270.0E6	1908.1E6	48.767	48.440
10) B gamma-Chl...	5.940	5.117	287.5E6	2211.2E6	48.476	49.194
11) B alpha-Chl...	6.022	5.181	296.3E6	2125.8E6	47.945	49.279
12) B 4,4'-DDE	6.191	5.365	260.3E6	2166.5E6	48.861	49.420
13) MA Dieldrin	6.342	5.504	289.1E6	2168.8E6	49.583	49.086
14) MA Endrin	6.569	5.781	244.9E6	1970.4E6	49.430	48.660
15) B Endosulfa...	6.782	6.072	231.9E6	1885.7E6	46.374	50.211
16) A 4,4'-DDD	6.701	5.921	204.9E6	1742.0E6	50.544	47.806
17) MA 4,4'-DDT	7.017	6.174	211.0E6	1863.8E6	51.335	53.142
18) B Endrin al...	6.910	6.251	178.4E6	1394.3E6	48.714	50.347
19) B Endosulfa...	7.146	6.474	222.2E6	1818.0E6	47.910	50.718
20) A Methoxychlor	7.490	6.745	105.1E6	908.4E6	49.463	52.124
21) B Endrin ke...	7.626	6.983	241.7E6	1962.1E6	49.740	52.020
22) Mirex	8.109	7.175	151.1E6	1297.4E6	47.218	50.499

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

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Data File : PD090769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 18:25
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Sample : Q3399-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
COMP-ROLLOFFMSD

Manual Integrations
APPROVED

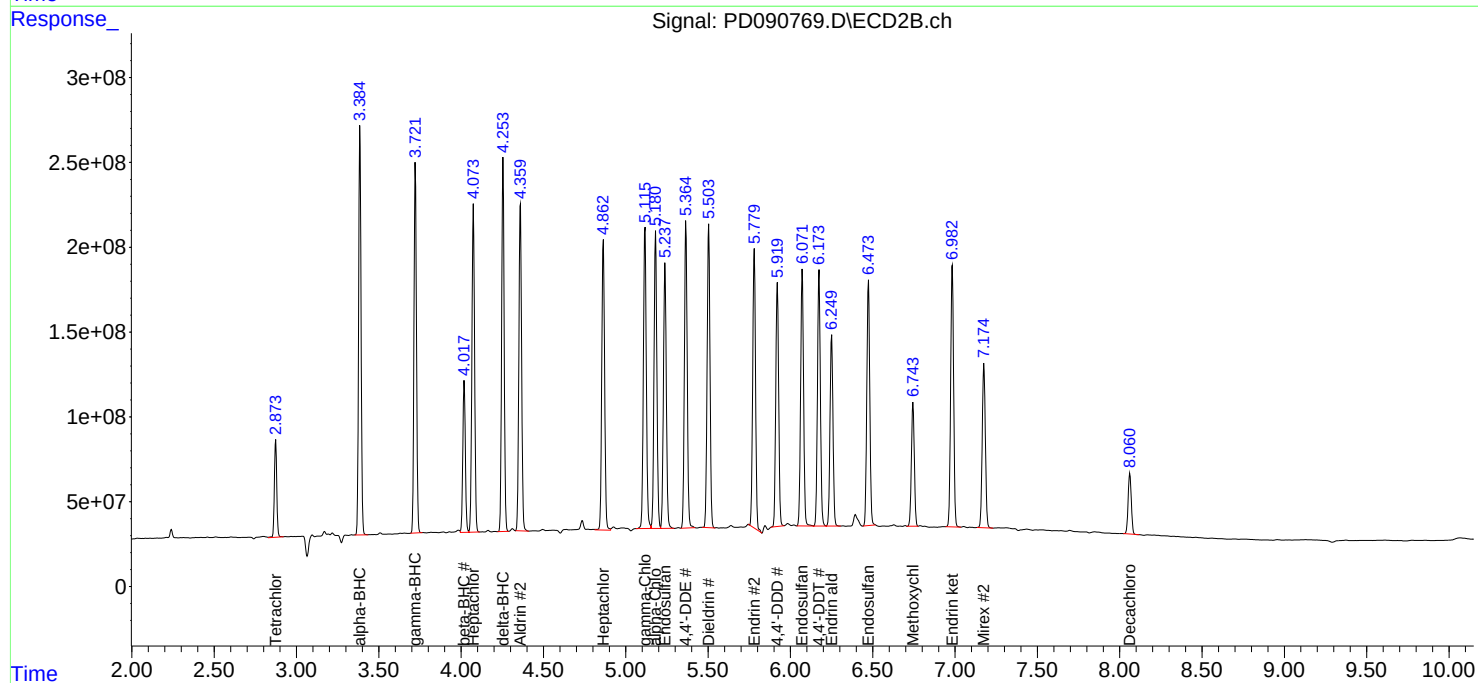
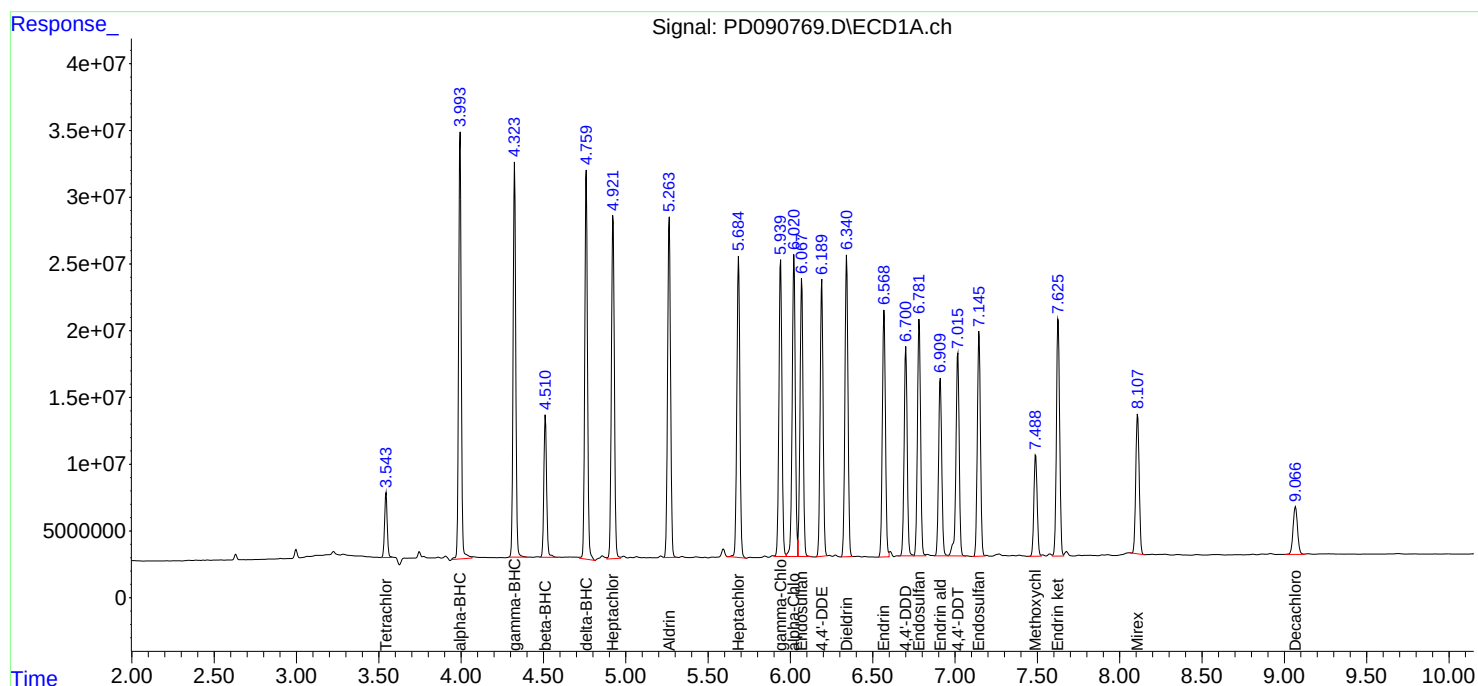
Reviewed By :Abdul
Mirza

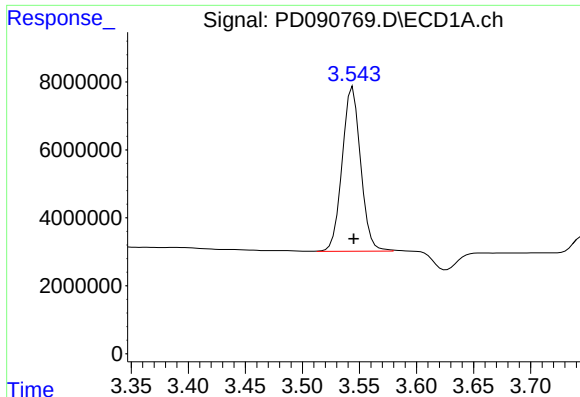
10/23/2025
Supervised By :mohammad
ahmed

10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 14:23:51 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
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





#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 54579548
Conc: 17.53 ng/ml

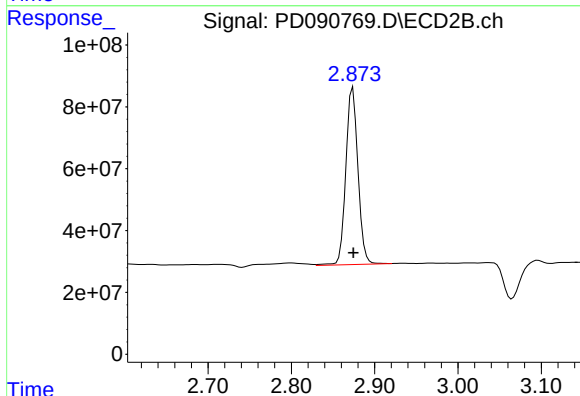
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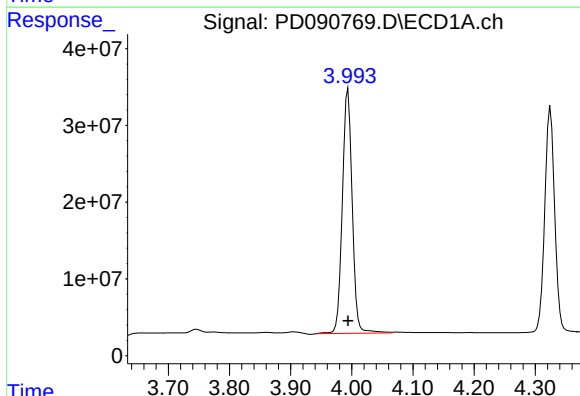
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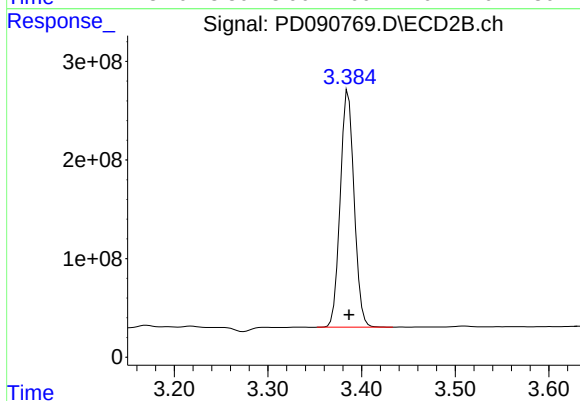
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 578415516
Conc: 19.42 ng/ml



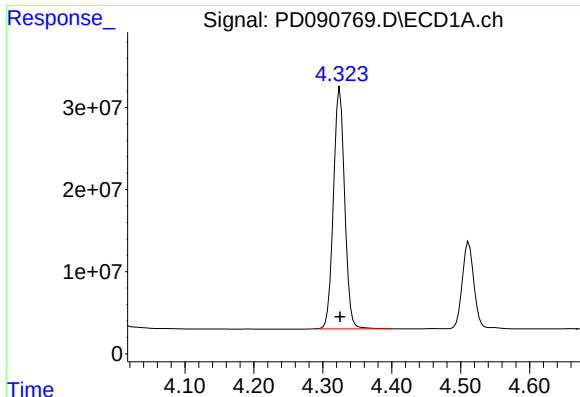
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 358360933
Conc: 49.93 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2475094258
Conc: 48.44 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 331851325
Conc: 48.81 ng/ml

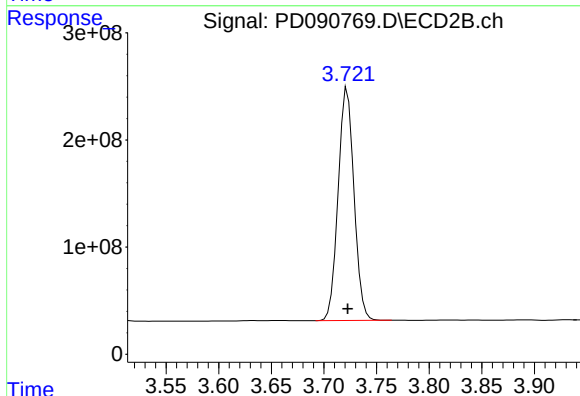
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COMP-ROLLOFFMSD

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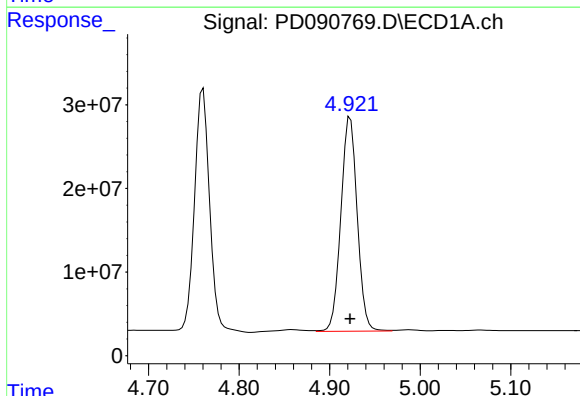
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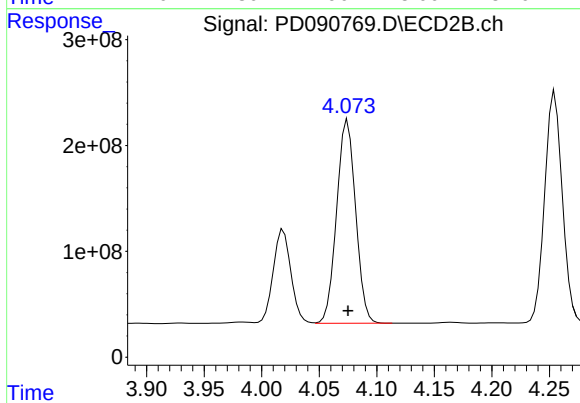
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2281514650
Conc: 48.29 ng/ml



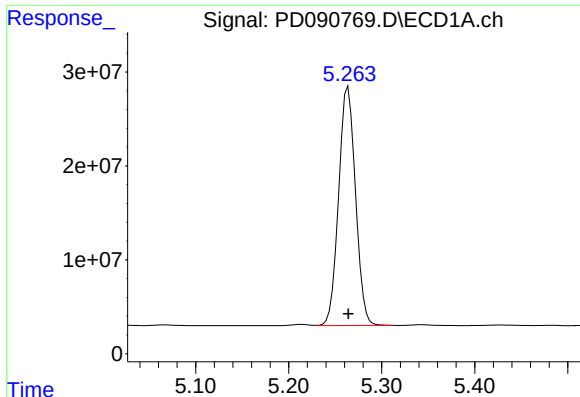
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 322201675
Conc: 57.64 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 2211816269
Conc: 49.59 ng/ml



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: 0.000 min
Response: 320284321
Conc: 48.92 ng/ml

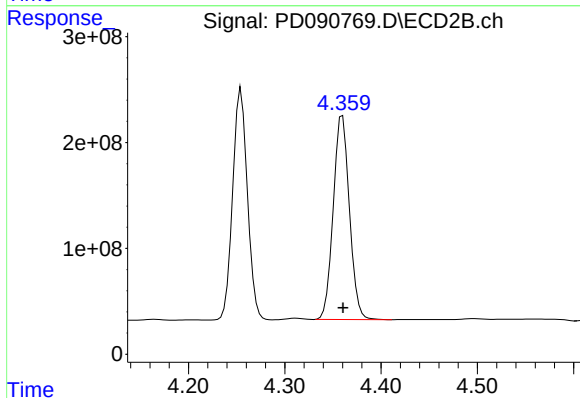
Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

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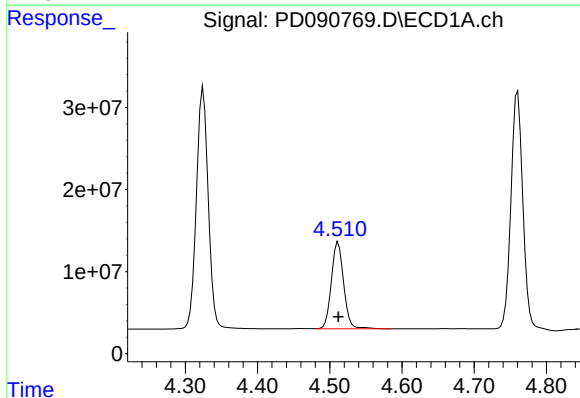
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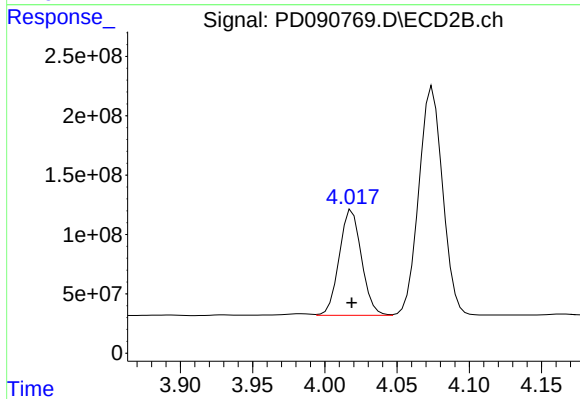
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2250954350
Conc: 48.60 ng/ml



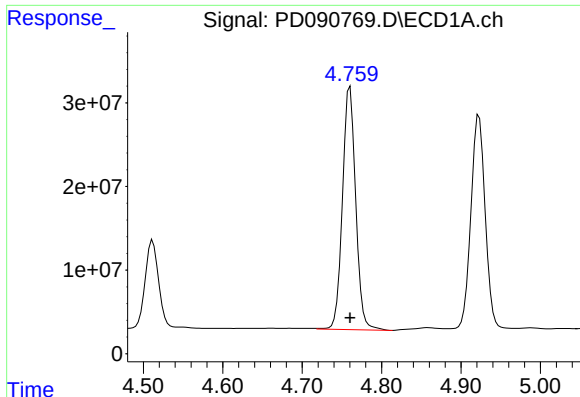
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 125705624
Conc: 47.99 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 951364052
Conc: 47.98 ng/ml



#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 337690238
Conc: 49.94 ng/ml

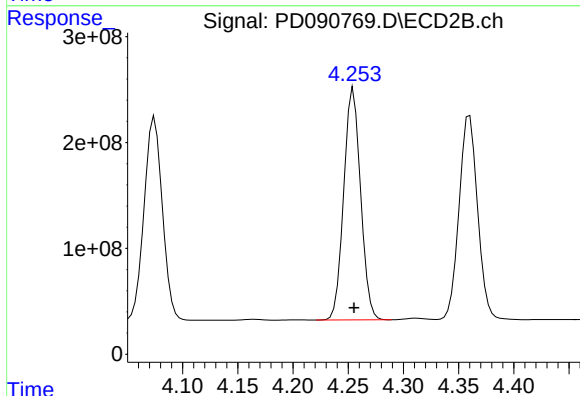
Instrument :
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ClientSampleId :
COMP-ROLLOFFMSD

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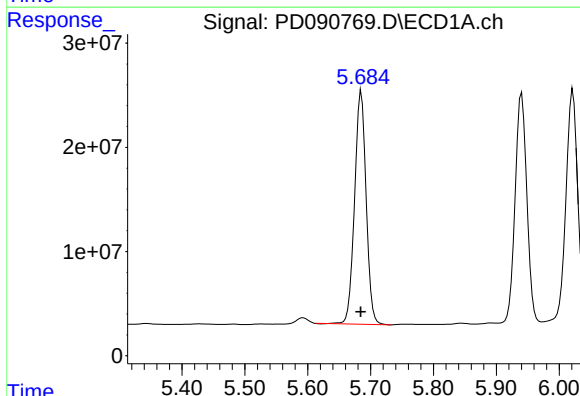
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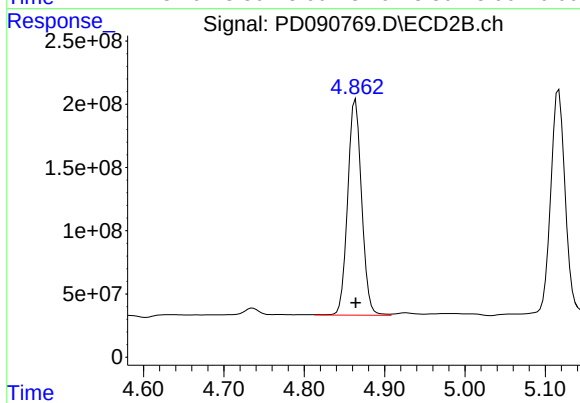
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2326791858
Conc: 48.76 ng/ml



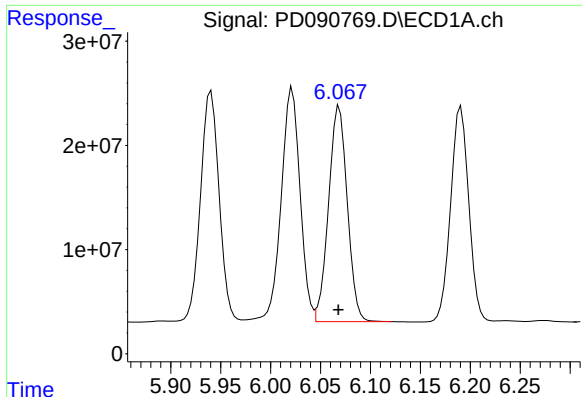
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 286703039
Conc: 49.52 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2057020731
Conc: 48.24 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 270006575
Conc: 48.77 ng/ml

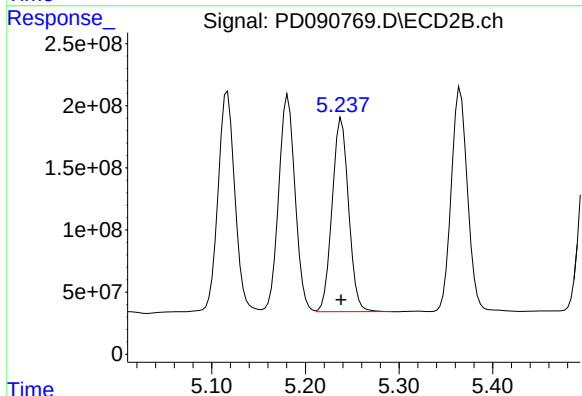
Instrument :
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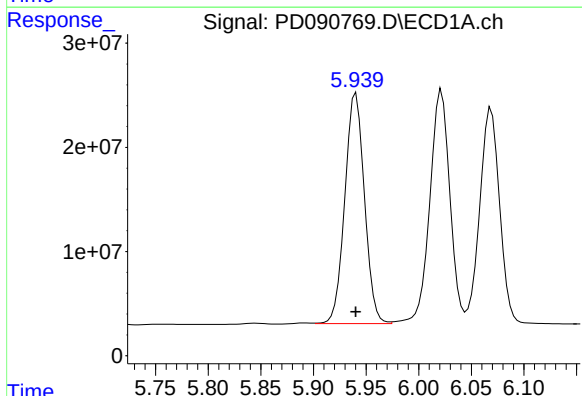
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ahmed

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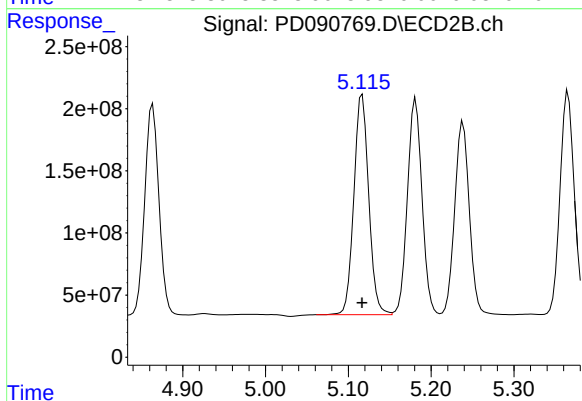
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1908057666
Conc: 48.44 ng/ml



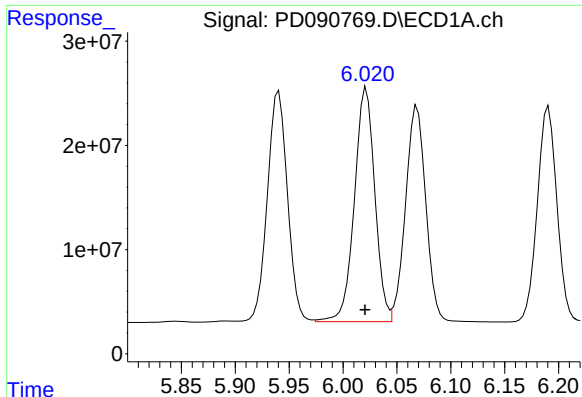
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 287520328
Conc: 48.48 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 2211234747
Conc: 49.19 ng/ml



#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.001 min
Response: 296310307
Conc: 47.94 ng/ml

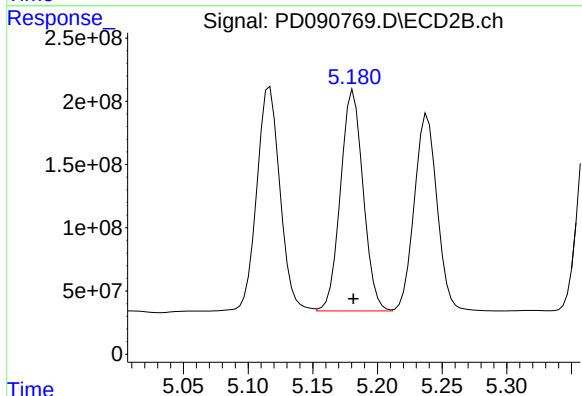
Instrument :
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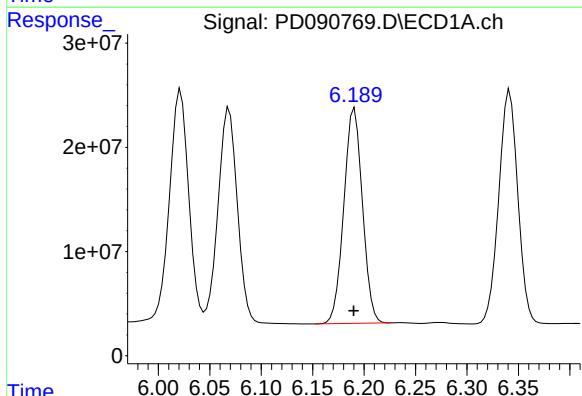
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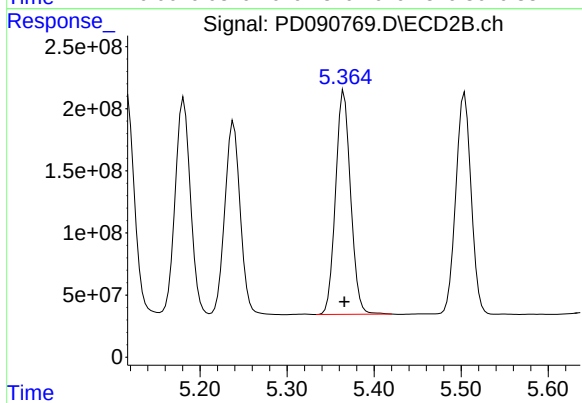
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2125775960
Conc: 49.28 ng/ml



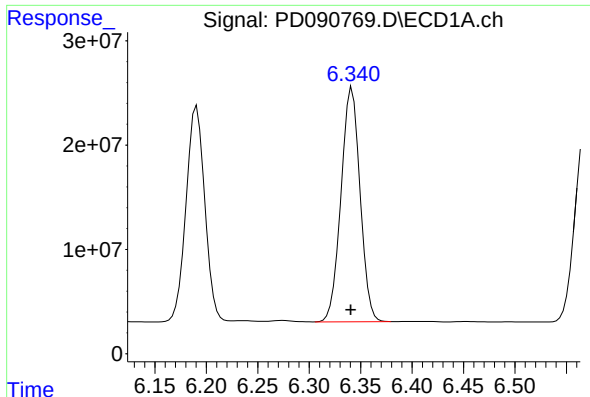
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 260264333
Conc: 48.86 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 2166466646
Conc: 49.42 ng/ml



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.001 min
Response: 289136583
Conc: 49.58 ng/ml

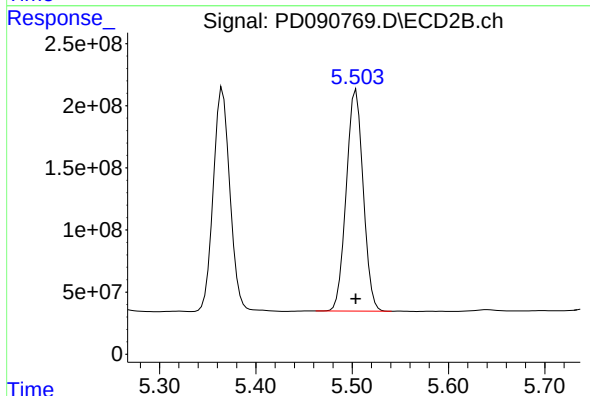
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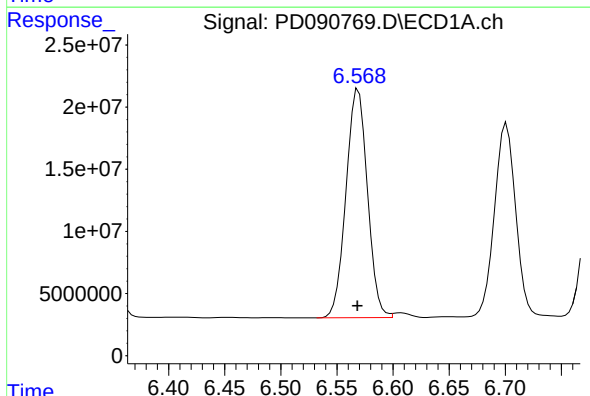
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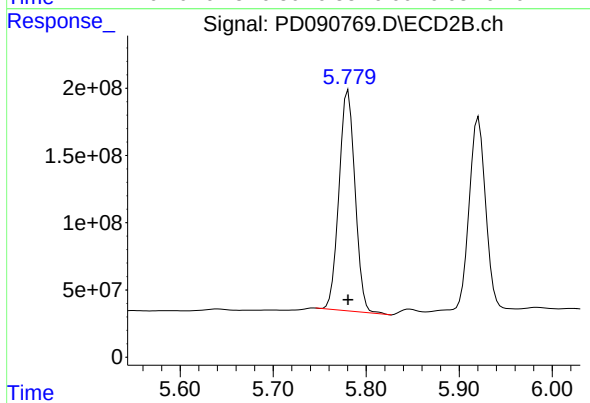
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: 0.000 min
Response: 2168799726
Conc: 49.09 ng/ml



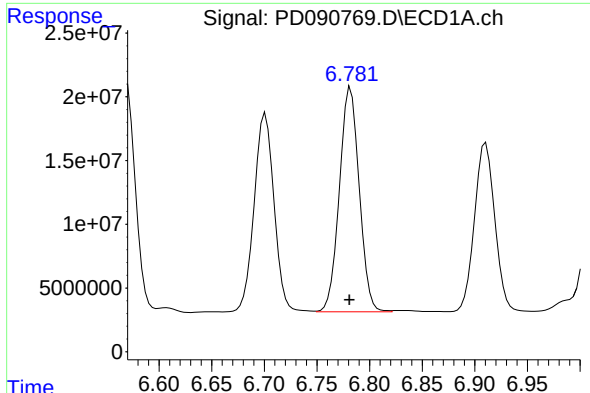
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 244864046
Conc: 49.43 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1970443496
Conc: 48.66 ng/ml



#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.001 min
Response: 231867559
Conc: 46.37 ng/ml

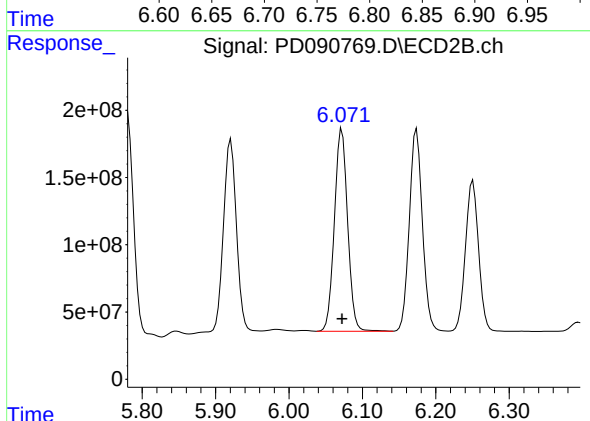
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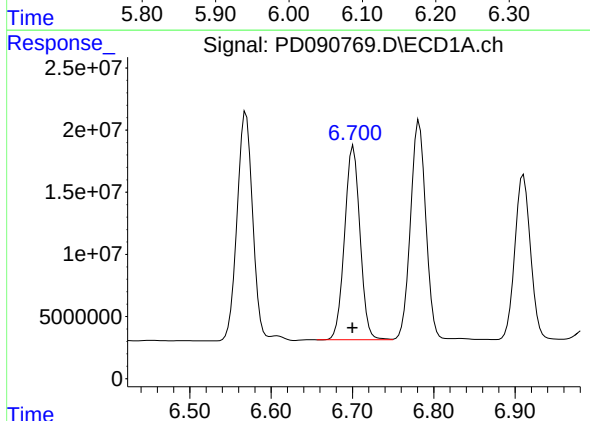
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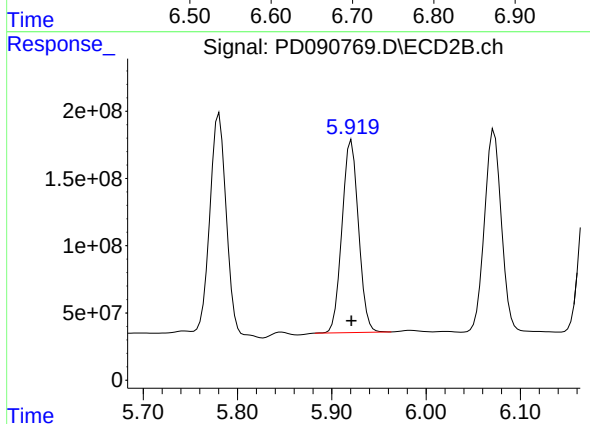
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1885706637
Conc: 50.21 ng/ml



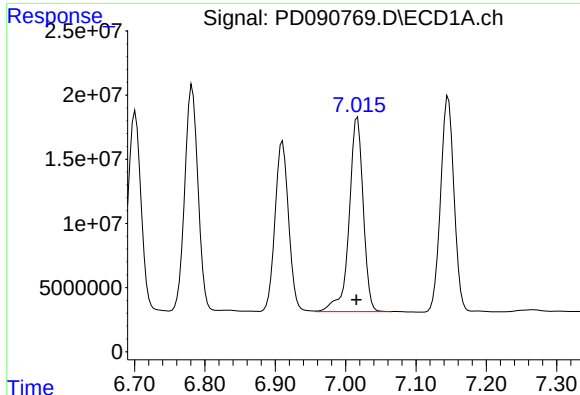
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.001 min
Response: 204914718
Conc: 50.54 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1741968091
Conc: 47.81 ng/ml



#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.002 min
Response: 211011087
Conc: 51.34 ng/ml

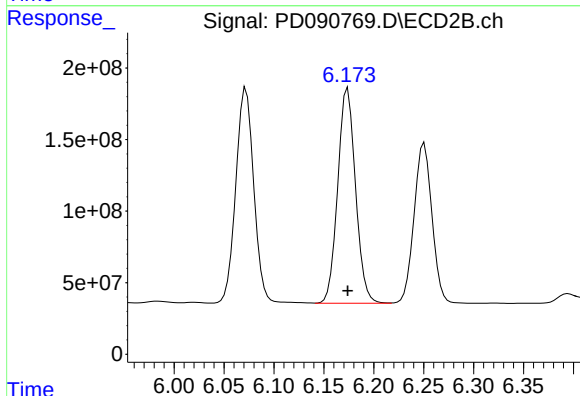
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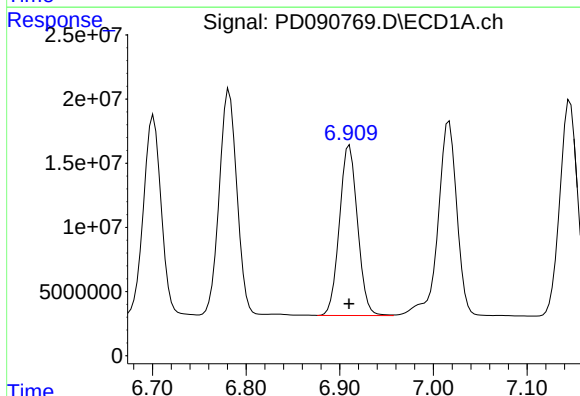
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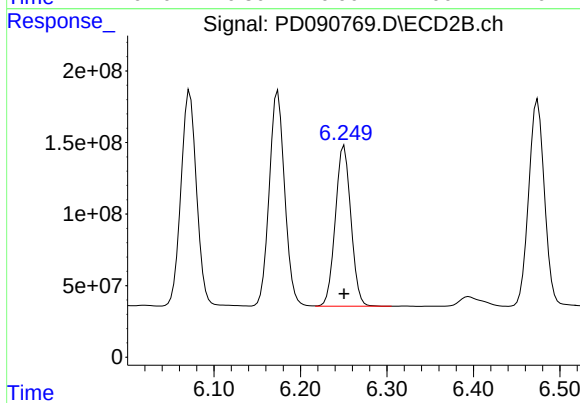
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1863845638
Conc: 53.14 ng/ml



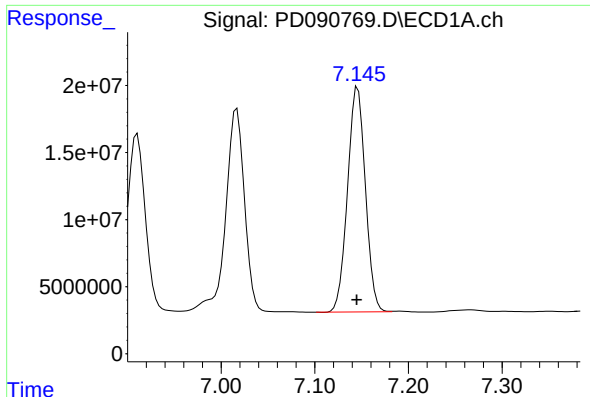
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 178426338
Conc: 48.71 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1394257530
Conc: 50.35 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.001 min
Response: 222214770
Conc: 47.91 ng/ml

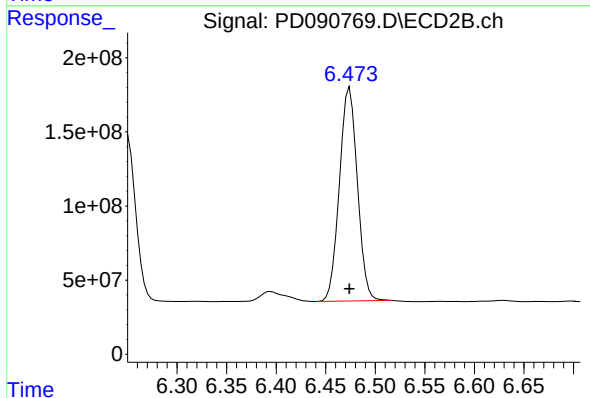
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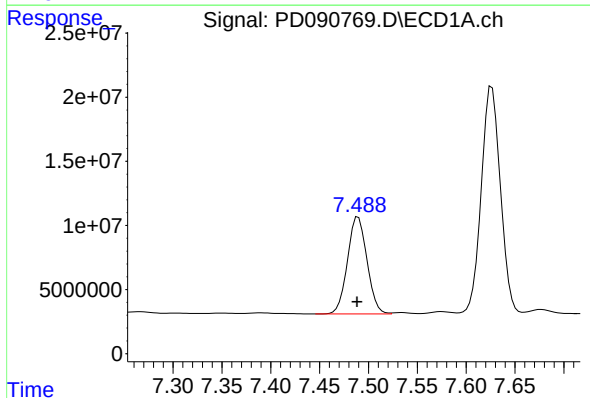
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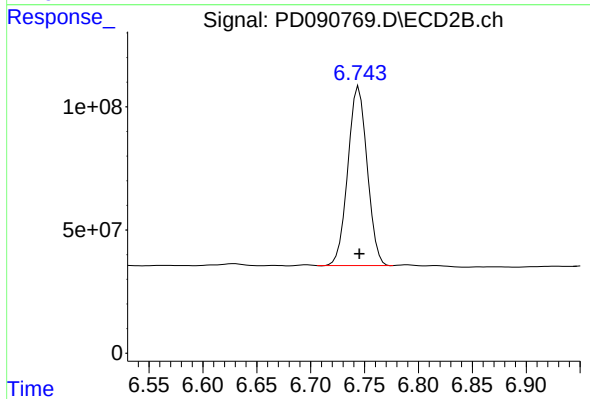
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1817999761
Conc: 50.72 ng/ml



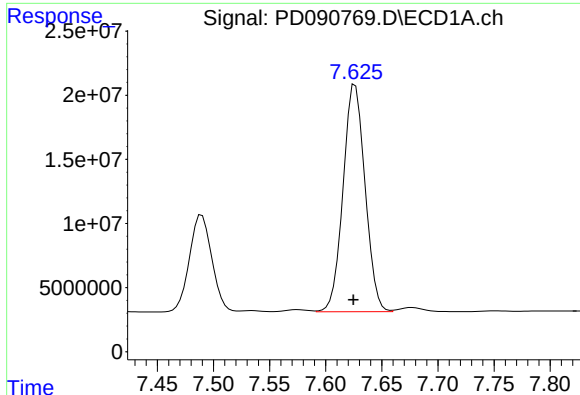
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 105138524
Conc: 49.46 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 908402672
Conc: 52.12 ng/ml



#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.001 min
Response: 241679099
Conc: 49.74 ng/ml

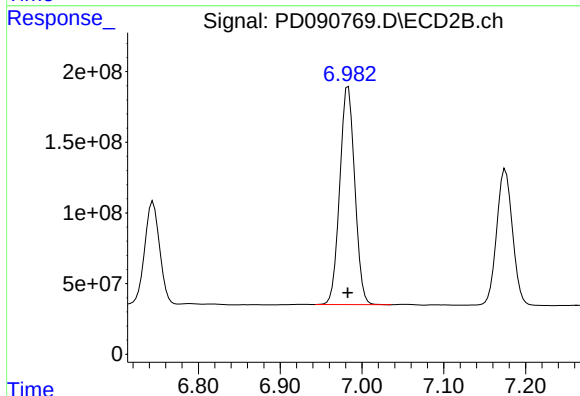
Instrument :
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ClientSampleId :
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Reviewed By :Abdul
Mirza

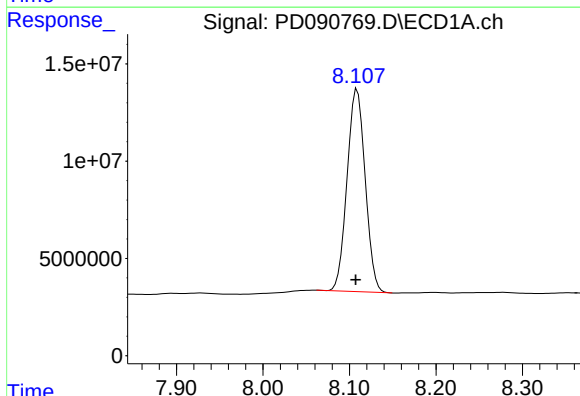
10/23/2025
Supervised By :mohammad
ahmed

10/24/2025



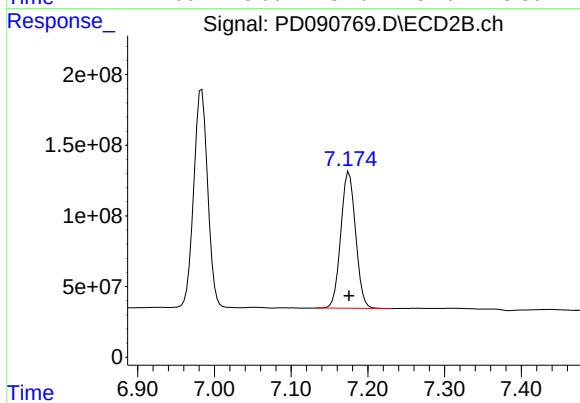
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: 0.000 min
Response: 1962091852
Conc: 52.02 ng/ml



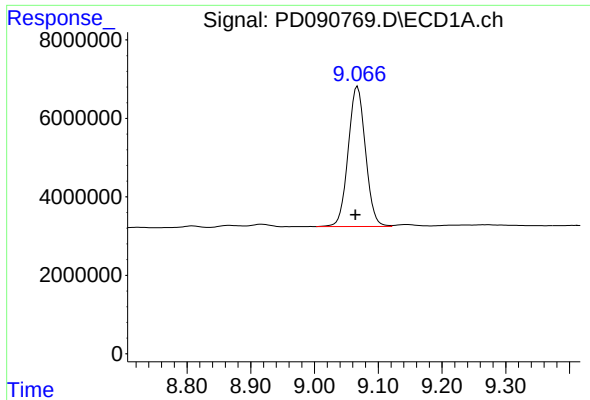
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.002 min
Response: 151136710
Conc: 47.22 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1297356869
Conc: 50.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.003 min
Response: 67109061
Conc: 14.35 ng/ml

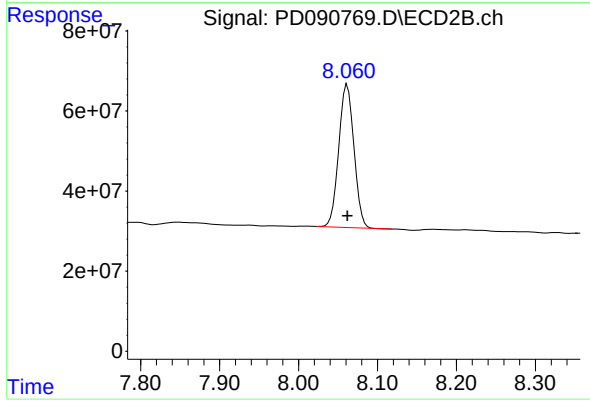
Instrument :
ECD_D
ClientSampleId :
COMP-ROLLOFFMSD

Manual Integrations
APPROVED

Reviewed By :Abdul
Mirza

10/23/2025
Supervised By :mohammad
ahmed

10/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 476816665
Conc: 15.74 ng/ml