

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059737.D
 Acq On : 02 Jul 2024 14:21
 Operator : MD/SY
 Sample : P3108-04 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:54:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

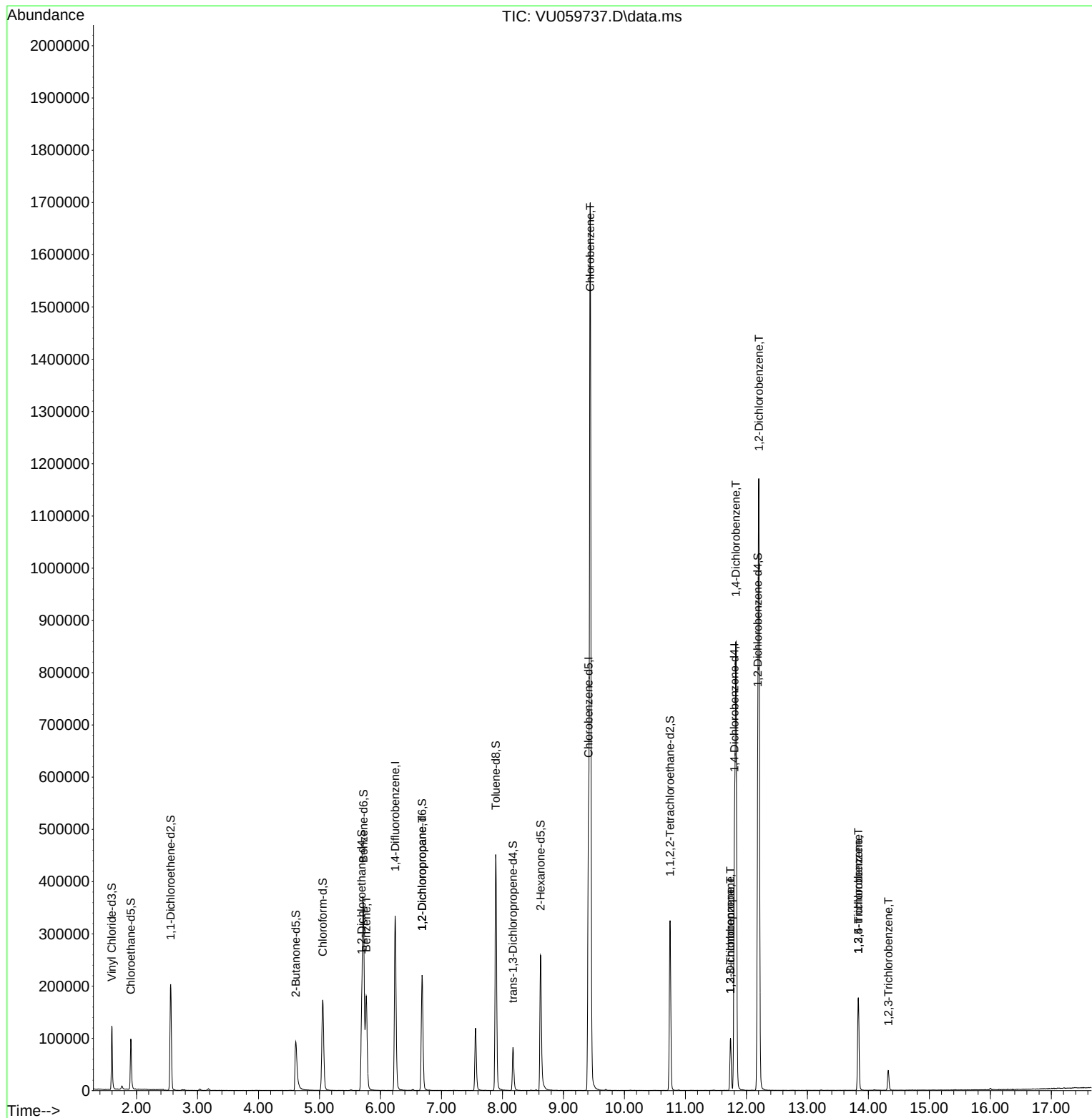
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	287580	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	286791	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	135910	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	89148	48.280	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.560%		
7) Chloroethane-d5	1.907	69	75034	48.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.620%		
11) 1,1-Dichloroethene-d2	2.560	63	119254	36.354	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.700%		
21) 2-Butanone-d5	4.611	46	132955	103.611	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.610%		
24) Chloroform-d	5.052	84	168620	47.157	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.320%		
26) 1,2-Dichloroethane-d4	5.692	65	105974	49.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.680%		
32) Benzene-d6	5.721	84	351604	47.877	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.760%		
36) 1,2-Dichloropropane-d6	6.682	67	111226	48.935	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.880%		
41) Toluene-d8	7.891	98	317461	45.456	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.920%		
43) trans-1,3-Dichloroprop...	8.174	79	48764	45.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.700%		
47) 2-Hexanone-d5	8.624	63	97234	101.508	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.510%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	169480	48.581	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.160%		
66) 1,2-Dichlorobenzene-d4	12.187	152	127154	50.913	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.820%		
Target Compounds					Qvalue	
33) Benzene	5.769	78	182632	23.582	ug/L	100
37) 1,2-Dichloropropane	6.682	63	11505	5.397	ug/L #	88
51) Chlorobenzene	9.441	112	944213	168.224	ug/L	99
60) 1,2,3-Trichloropropane	11.740	75	11668	4.524	ug/L #	49
64) 1,3-Dichlorobenzene	11.740	146	43083	10.486	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	345640	81.377	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	451489	108.777	ug/L	99
69) 1,3,5-Trichlorobenzene	13.836	180	60427	20.398	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	60427	22.632	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	14753	5.507	ug/L	96

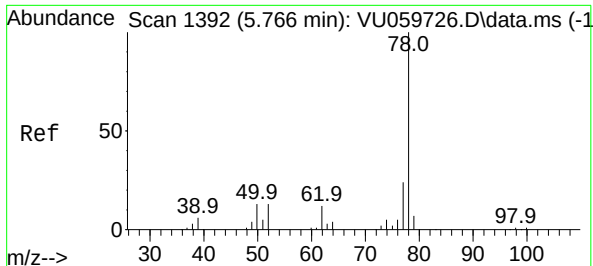
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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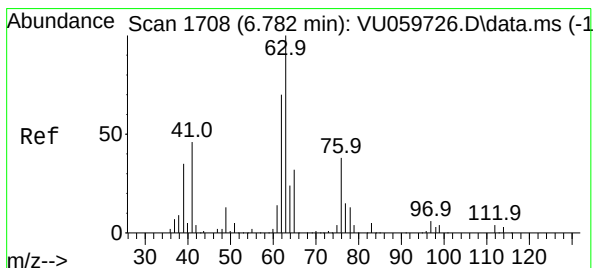
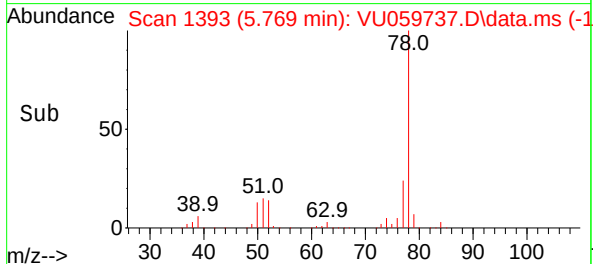
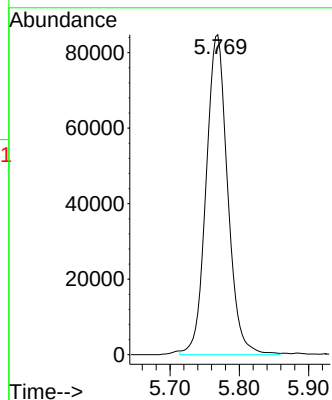
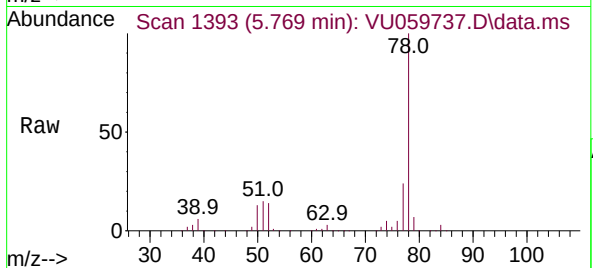




#33
Benzene
Concen: 23.582 ug/L
RT: 5.769 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU059737.D
Acq: 02 Jul 2024 14:21

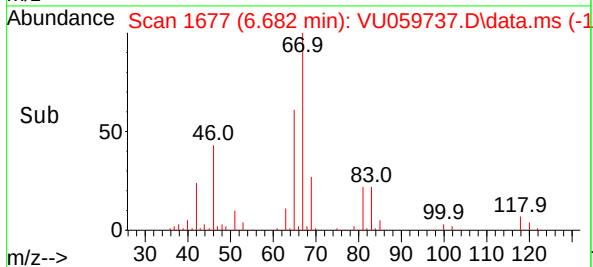
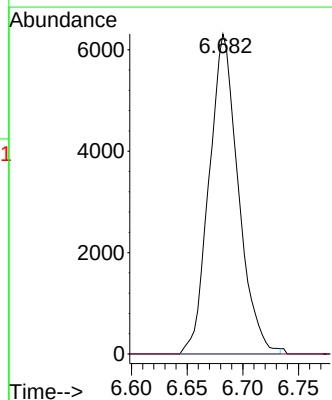
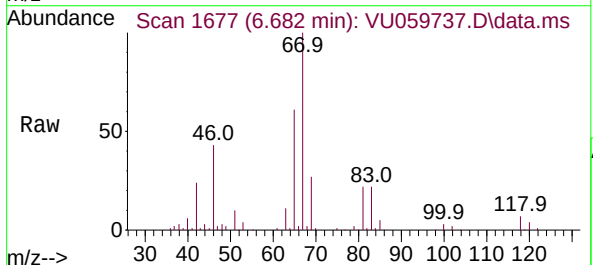
Instrument :
MSVOA_U
ClientSampleId :

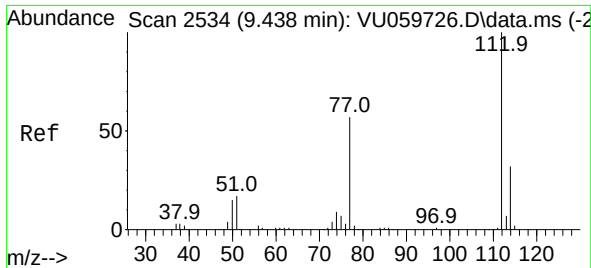
Tgt Ion: 78 Resp: 182632



#37
1,2-Dichloropropane
Concen: 5.397 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU059737.D
Acq: 02 Jul 2024 14:21

Tgt Ion: 63 Resp: 11505
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#51

Chlorobenzene

Concen: 168.224 ug/L

RT: 9.441 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

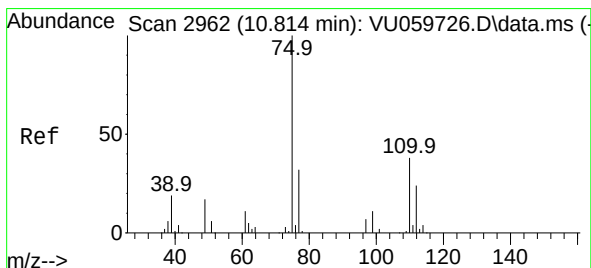
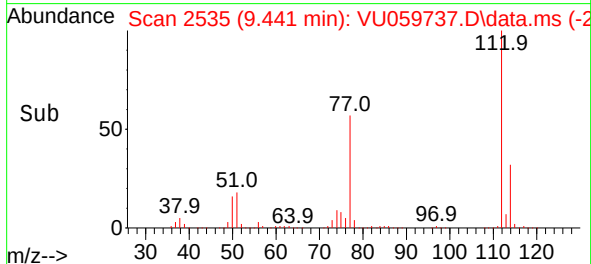
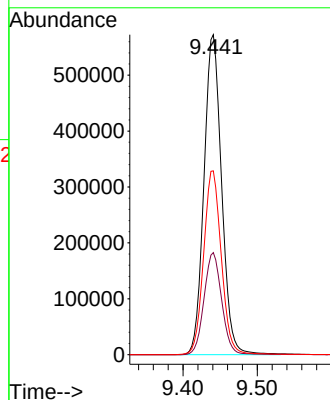
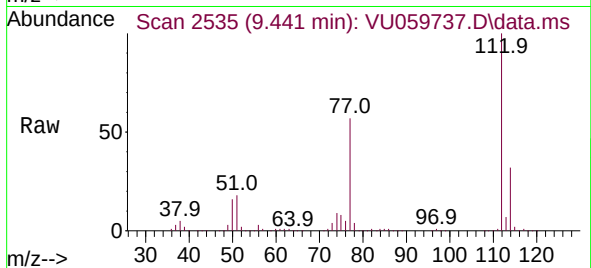
Tgt Ion:112 Resp: 944213

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 57.4 45.8 68.6



#60

1,2,3-Trichloropropane

Concen: 4.524 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.926 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

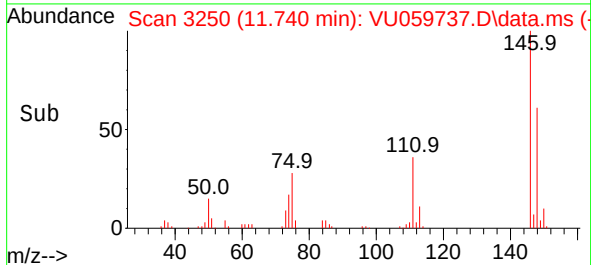
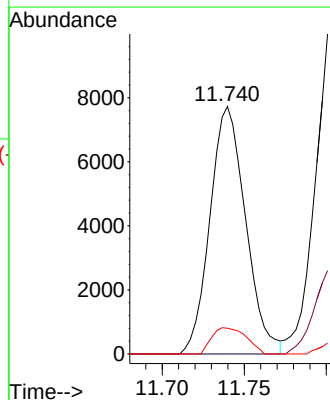
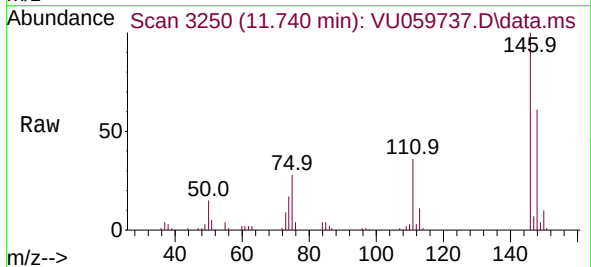
Tgt Ion: 75 Resp: 11668

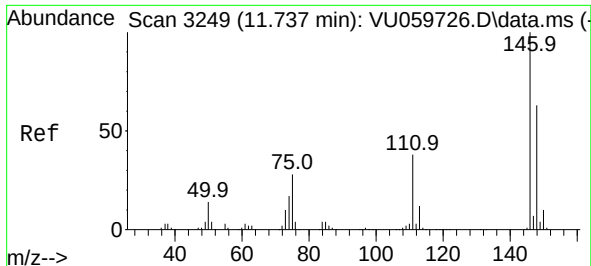
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

110 10.2 30.7 46.1#





#64

1,3-Dichlorobenzene

Concen: 10.486 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

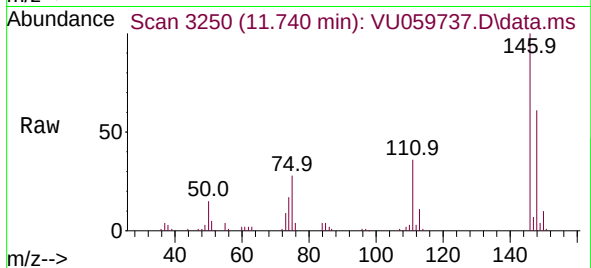
Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :



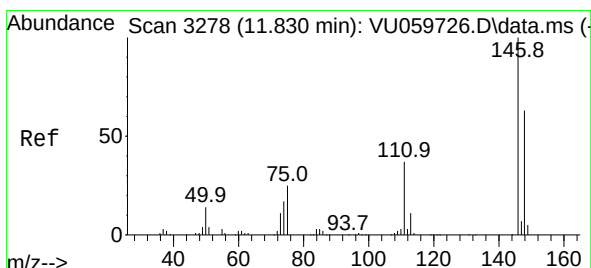
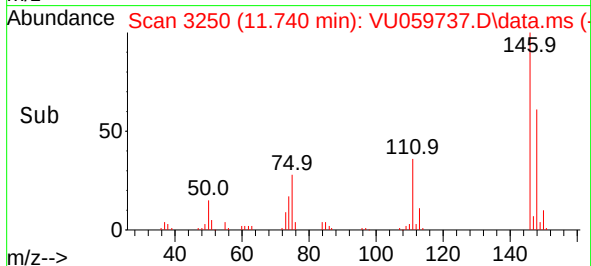
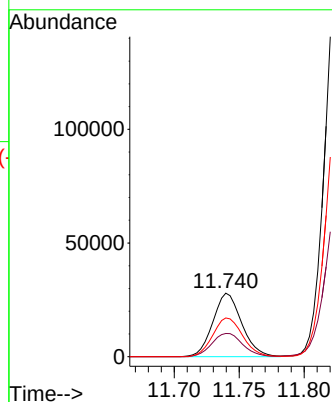
Tgt Ion:146 Resp: 43083

Ion Ratio Lower Upper

146 100

111 36.5 26.5 49.1

148 61.1 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 81.377 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

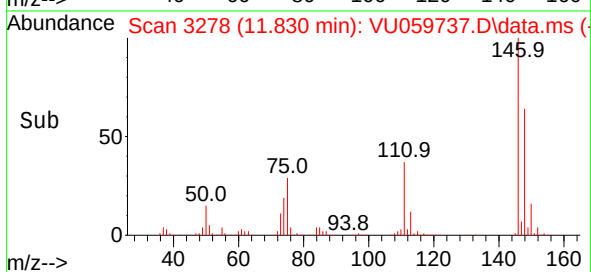
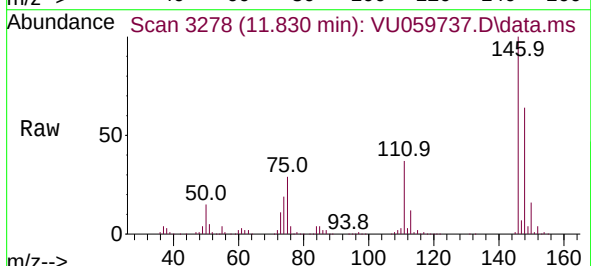
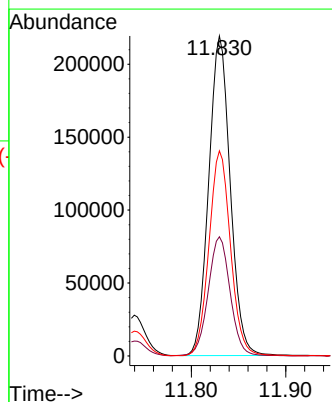
Tgt Ion:146 Resp: 345640

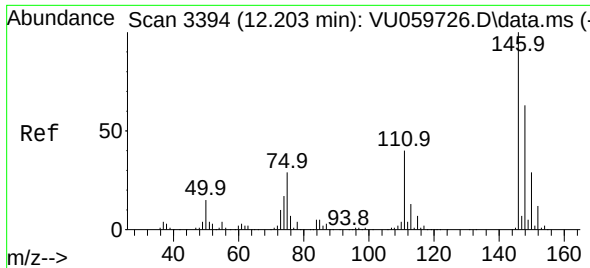
Ion Ratio Lower Upper

146 100

111 37.3 25.9 48.1

148 64.1 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 108.777 ug/L

RT: 12.206 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

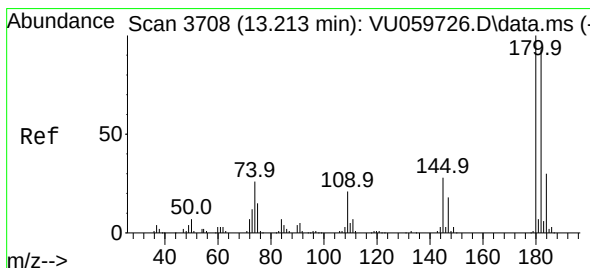
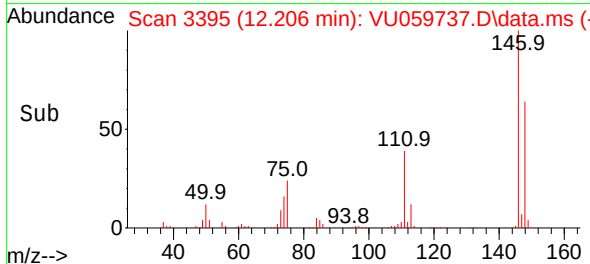
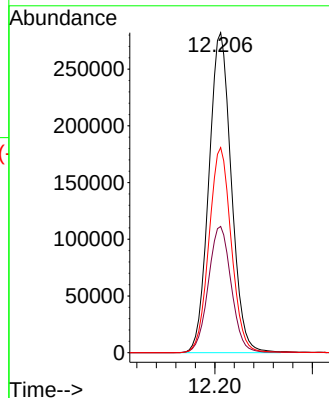
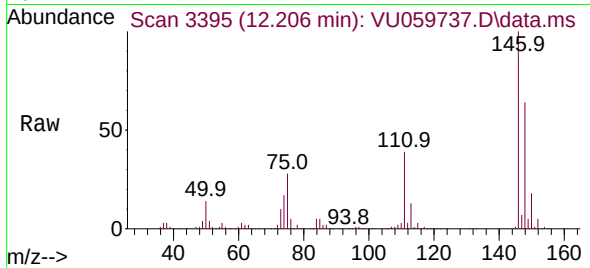
Tgt Ion:146 Resp: 451489

Ion Ratio Lower Upper

146 100

111 39.5 31.7 47.5

148 64.1 50.8 76.2



#69

1,3,5-Trichlorobenzene

Concen: 20.398 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

Tgt Ion:180 Resp: 60427

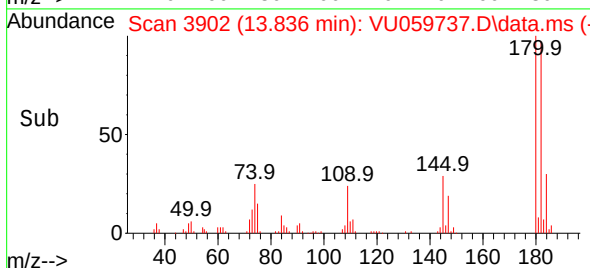
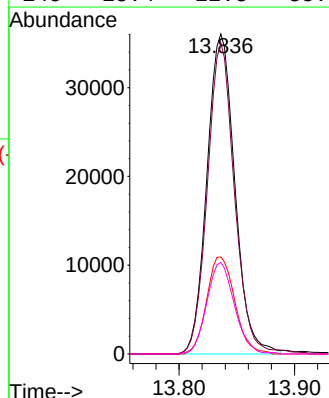
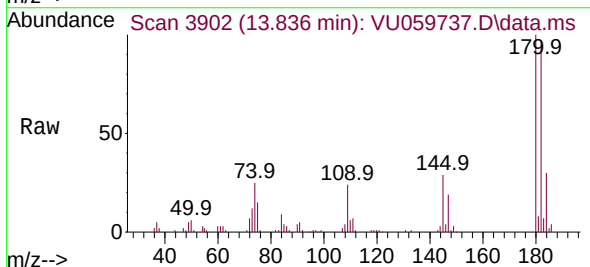
Ion Ratio Lower Upper

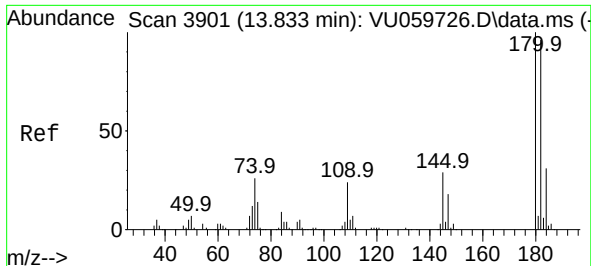
180 100

182 93.8 75.8 113.8

184 30.5 24.7 37.1

145 28.4 22.3 33.5





#70

1,2,4-trichlorobenzene

Concen: 22.632 ug/L

RT: 13.836 min Scan# 3901

Delta R.T. 0.003 min

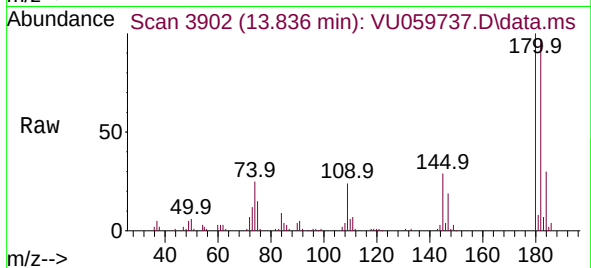
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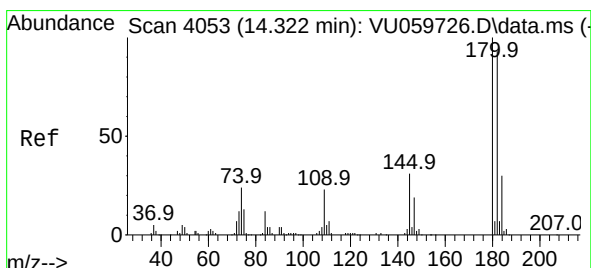
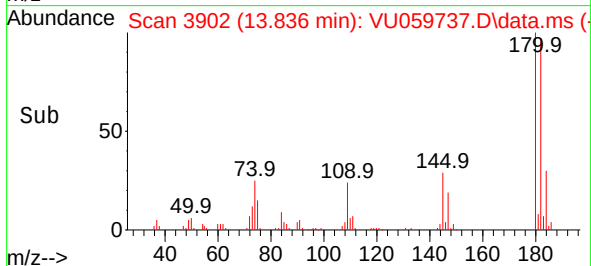
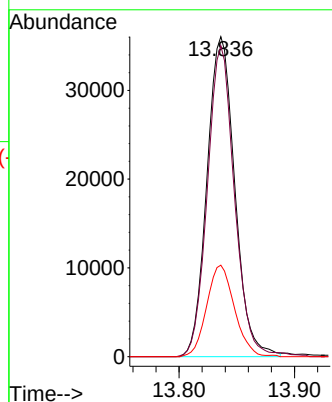
Tgt Ion:180 Resp: 60427

Ion Ratio Lower Upper

180 100

182 93.8 76.4 114.6

145 28.4 23.0 34.4



#72

1,2,3-Trichlorobenzene

Concen: 5.507 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU059737.D

Acq: 02 Jul 2024 14:21

Tgt Ion:180 Resp: 14753

Ion Ratio Lower Upper

180 100

182 91.1 75.8 113.8

145 27.9 24.5 36.7

