

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053570.D
 Acq On : 04 Apr 2023 18:42
 Operator : JC/MD
 Sample : 02158-13DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 23:13:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

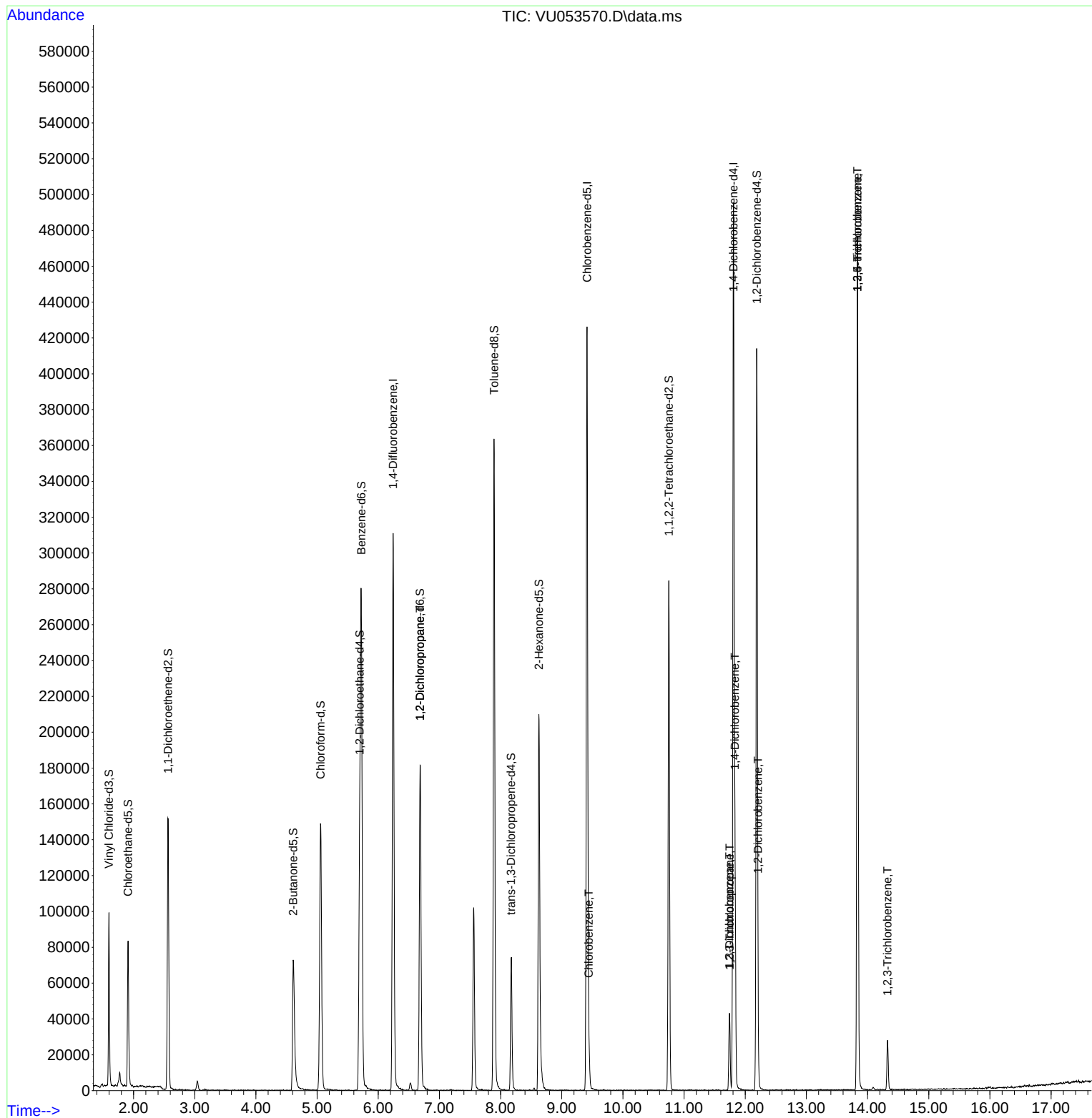
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	270735	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	249215	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	129543	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68158	32.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.660%		
7) Chloroethane-d5	1.909	69	61808	38.026	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.060%		
11) 1,1-Dichloroethene-d2	2.562	63	86547	26.521	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.040%#		
21) 2-Butanone-d5	4.610	46	101759	106.614	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.610%		
24) Chloroform-d	5.057	84	137904	39.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.100%		
26) 1,2-Dichloroethane-d4	5.697	65	90924	44.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.260%		
32) Benzene-d6	5.723	84	272352	40.486	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.980%		
36) 1,2-Dichloropropane-d6	6.684	67	89734	43.642	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.280%		
41) Toluene-d8	7.893	98	256247	38.326	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.660%#		
43) trans-1,3-Dichloroprop...	8.173	79	42448	39.994	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.980%		
47) 2-Hexanone-d5	8.626	63	78044	111.216	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.220%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134642	46.460	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.920%		
66) 1,2-Dichlorobenzene-d4	12.188	152	109388	40.454	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.900%		
Target Compounds						Qvalue
37) 1,2-Dichloropropane	6.684	63	9705	5.886	ug/L #	86
51) Chlorobenzene	9.443	112	10996	2.169	ug/L #	87
60) 1,2,3-Trichloropropane	11.745	75	5647	3.006	ug/L #	46
64) 1,3-Dichlorobenzene	11.742	146	18004	4.499	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	49214	12.066	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	5415	1.358	ug/L	95
69) 1,3,5-Trichlorobenzene	13.835	180	145117	48.967	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	145117	52.815	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	8723	3.178	ug/L	98

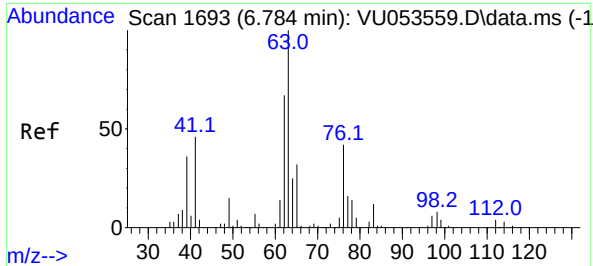
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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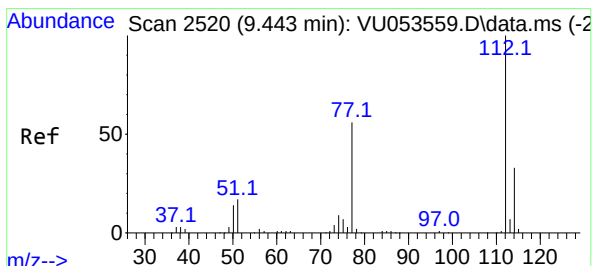
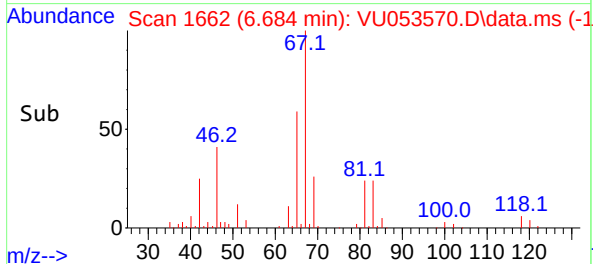
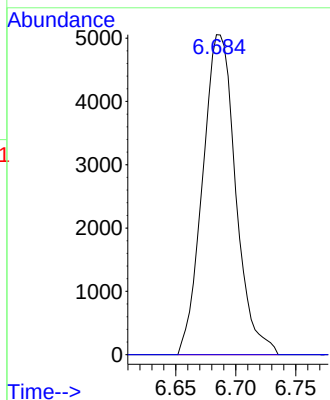
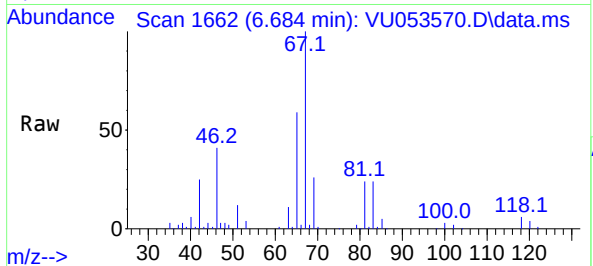




#37
1,2-Dichloropropane
Concen: 5.886 ug/L
RT: 6.684 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42

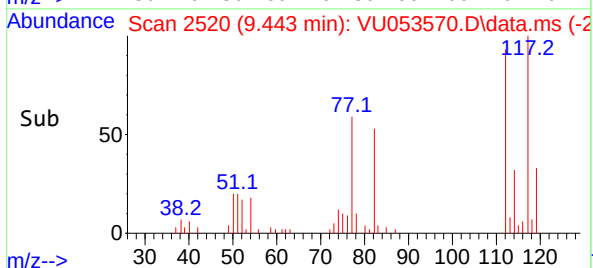
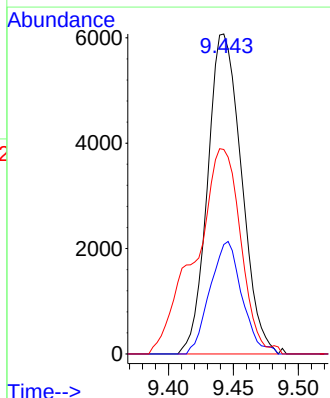
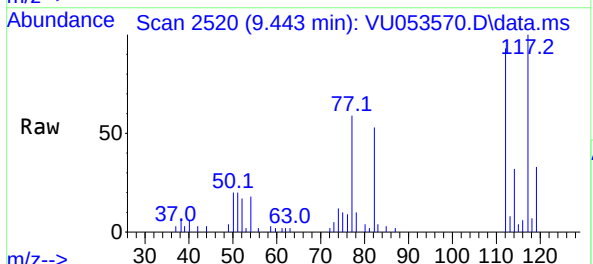
Instrument :
MSVOA_U
ClientSampleId :

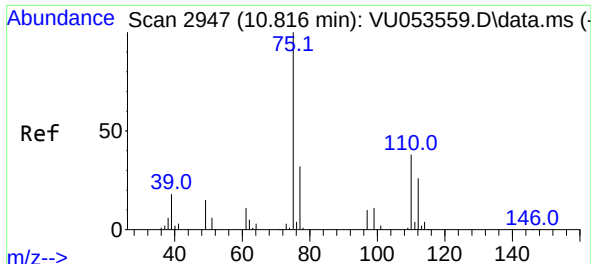
Tgt Ion: 63 Resp: 9705
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#51
Chlorobenzene
Concen: 2.169 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42

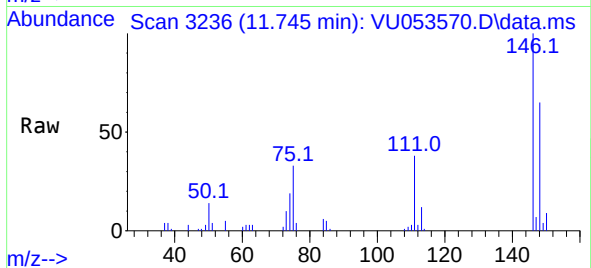
Tgt Ion: 112 Resp: 10996
Ion Ratio Lower Upper
112 100
114 34.2 22.2 41.2
77 63.9 41.3 61.9#



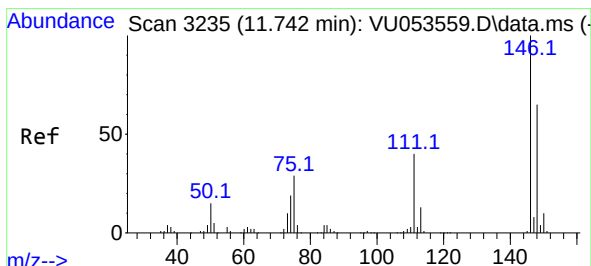
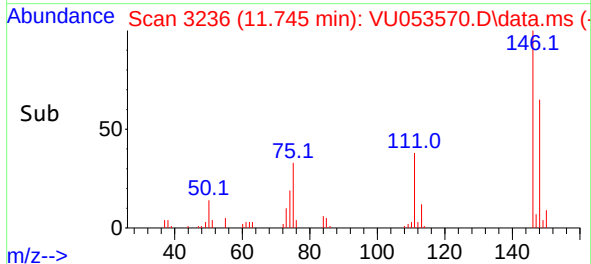
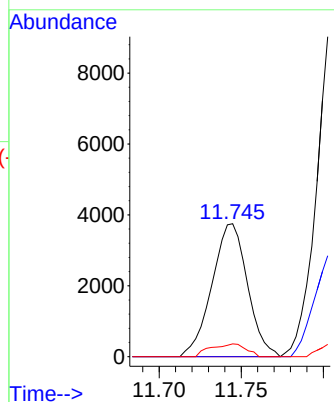


#60
1,2,3-Trichloropropane
Concen: 3.006 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.929 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42

Instrument :
MSVOA_U
ClientSampleId :

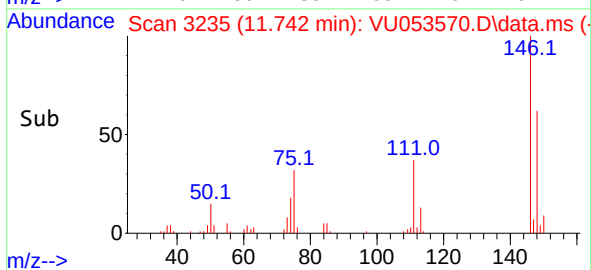
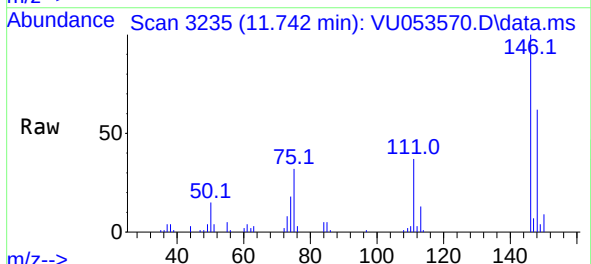
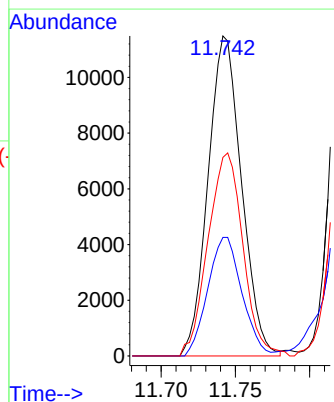


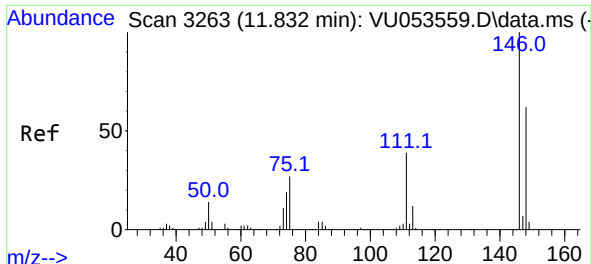
Tgt Ion: 75 Resp: 5647
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 9.5 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 4.499 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42

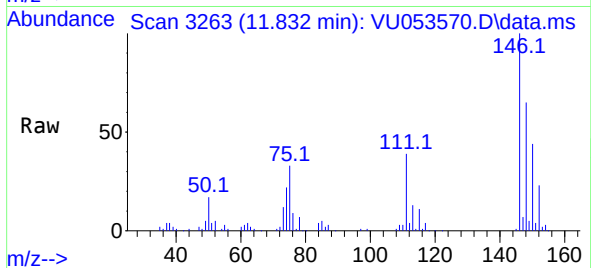
Tgt Ion:146 Resp: 18004
Ion Ratio Lower Upper
146 100
111 37.0 25.7 47.7
148 62.0 44.2 82.2



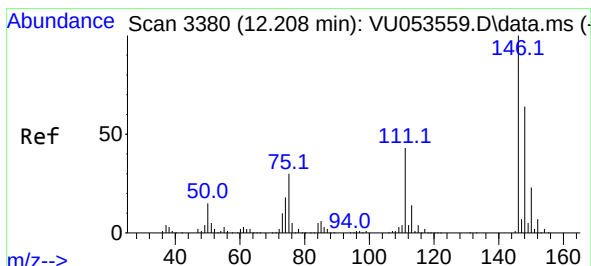
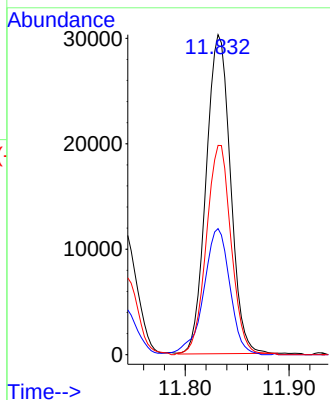
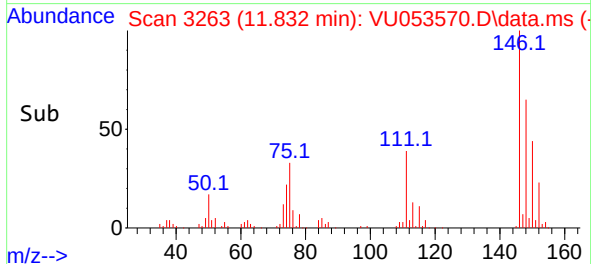


#65
1,4-Dichlorobenzene
Concen: 12.066 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42

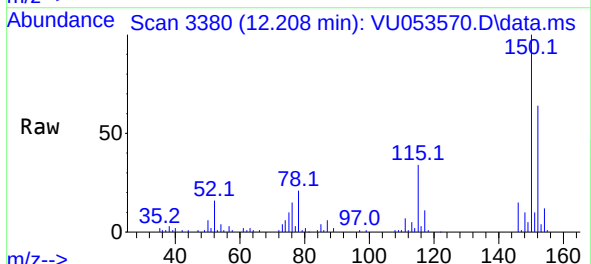
Instrument :
MSVOA_U
ClientSampleId :



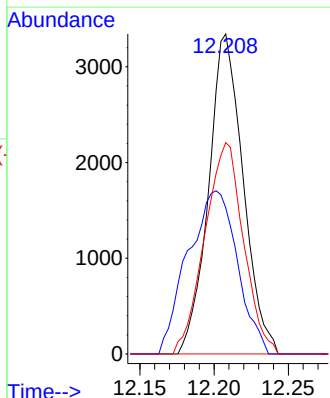
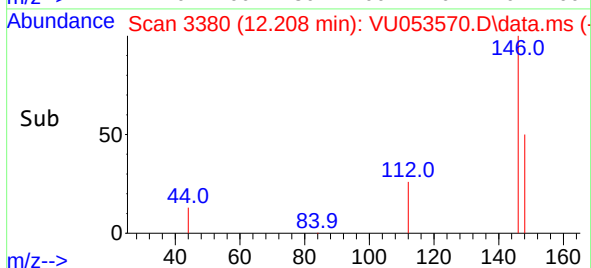
Tgt Ion:146 Resp: 49214
Ion Ratio Lower Upper
146 100
111 39.4 25.1 46.5
148 65.4 44.3 82.3

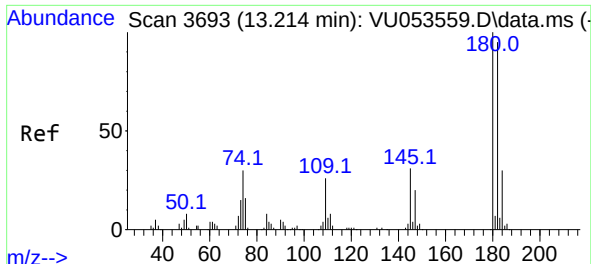


#67
1,2-Dichlorobenzene
Concen: 1.358 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053570.D
Acq: 04 Apr 2023 18:42



Tgt Ion:146 Resp: 5415
Ion Ratio Lower Upper
146 100
111 45.7 31.5 47.3
148 66.1 51.6 77.4





#69

1,3,5-Trichlorobenzene

Concen: 48.967 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.621 min

Lab File: VU053570.D

Acq: 04 Apr 2023 18:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 145117

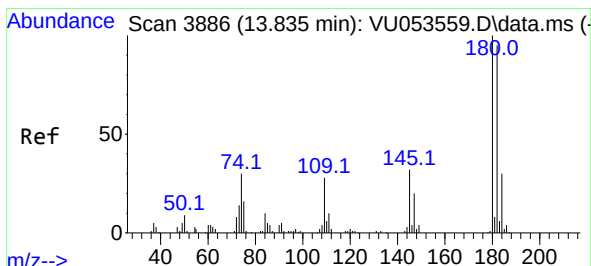
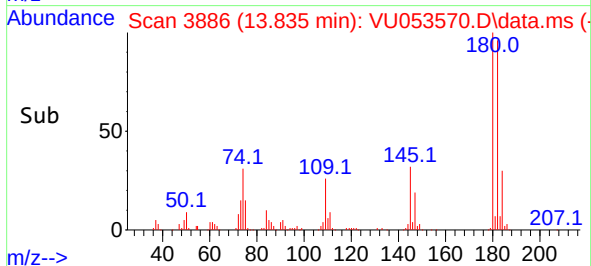
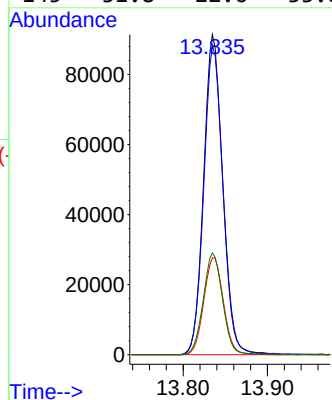
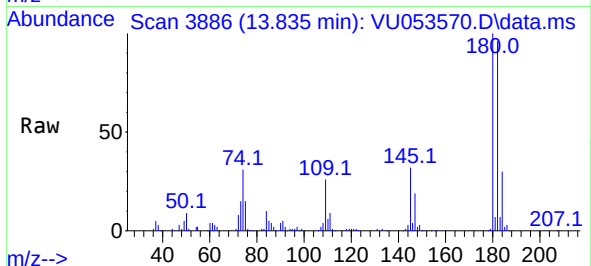
Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

184 30.9 24.2 36.2

145 31.8 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 52.815 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053570.D

Acq: 04 Apr 2023 18:42

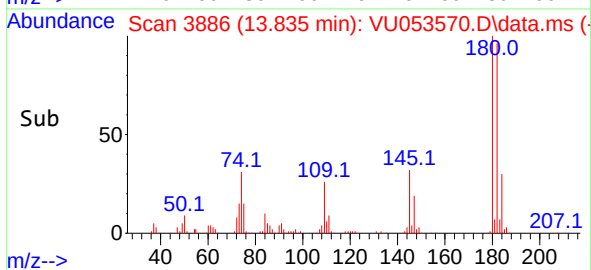
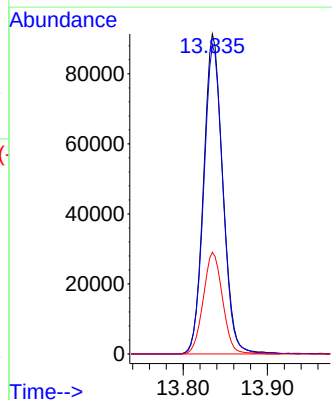
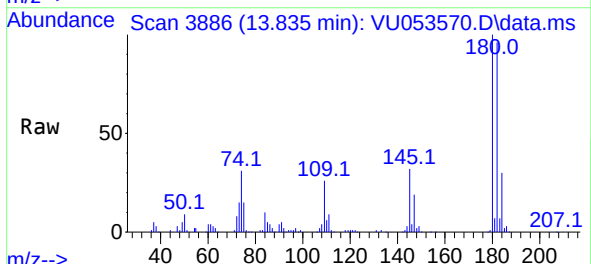
Tgt Ion:180 Resp: 145117

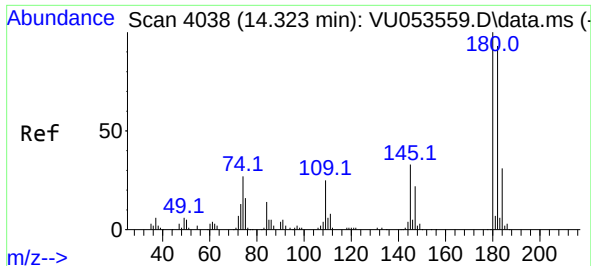
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

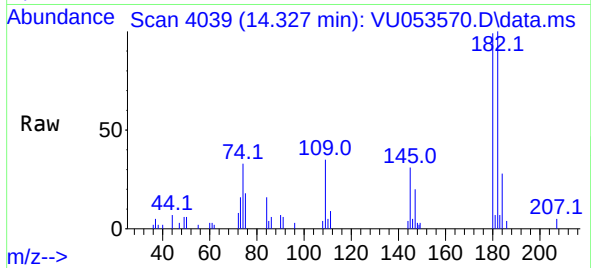
145 31.8 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 3.178 ug/L
 RT: 14.327 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU053570.D
 Acq: 04 Apr 2023 18:42

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	8723
Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.0	115.6
145	33.1	25.4	38.0

