

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053638.D
 Acq On : 11 Apr 2023 16:23
 Operator : JC/MD
 Sample : 02251-10DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC8DL

Quant Time: Apr 12 02:25:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

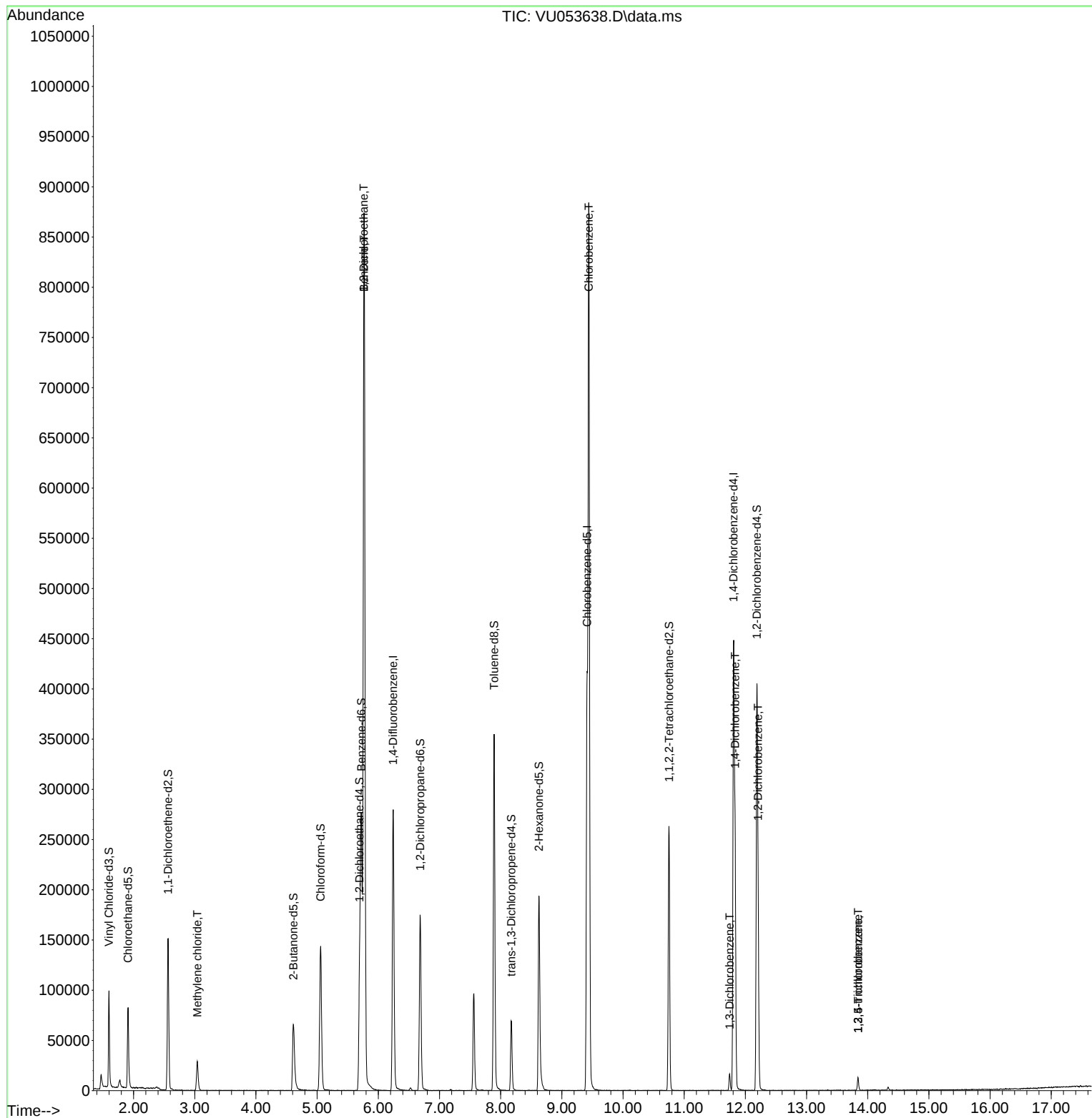
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	244733	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	226269	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	115978	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69152	36.288	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.580%		
7) Chloroethane-d5	1.909	69	62725	42.690	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.380%		
11) 1,1-Dichloroethene-d2	2.562	63	86816	29.430	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.860%#		
21) 2-Butanone-d5	4.613	46	91762	106.355	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.350%		
24) Chloroform-d	5.057	84	132956	42.187	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.380%		
26) 1,2-Dichloroethane-d4	5.694	65	85643	45.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.980%		
32) Benzene-d6	5.723	84	267719	43.834	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.660%		
36) 1,2-Dichloropropane-d6	6.684	67	86000	46.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.140%		
41) Toluene-d8	7.893	98	245685	40.472	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.940%		
43) trans-1,3-Dichloroprop...	8.173	79	40677	42.212	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.420%		
47) 2-Hexanone-d5	8.626	63	71391	112.052	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.050%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127891	48.606	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.220%		
66) 1,2-Dichlorobenzene-d4	12.189	152	99736	41.198	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.400%		
Target Compounds						Qvalue
16) Methylene chloride	3.041	84	15094	8.943	ug/L	98
27) 1,2-Dichloroethane	5.764	62	7205	3.431	ug/L #	72
33) Benzene	5.768	78	864446	146.633	ug/L	100
51) Chlorobenzene	9.439	112	485770	105.531	ug/L	95
64) 1,3-Dichlorobenzene	11.742	146	7036	1.964	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	101304	27.742	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	62458	17.491	ug/L	97
69) 1,3,5-Trichlorobenzene	13.841	180	4421	1.666	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	4421	1.797	ug/L	96

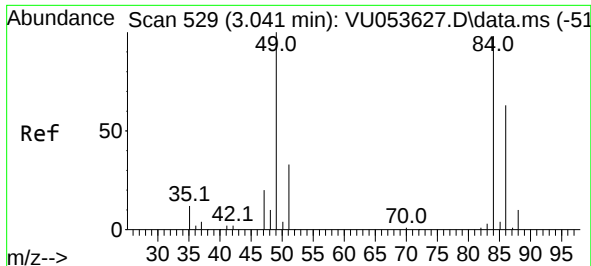
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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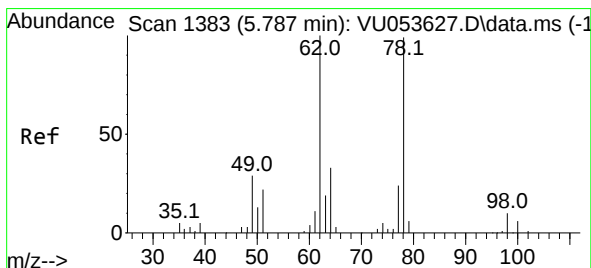
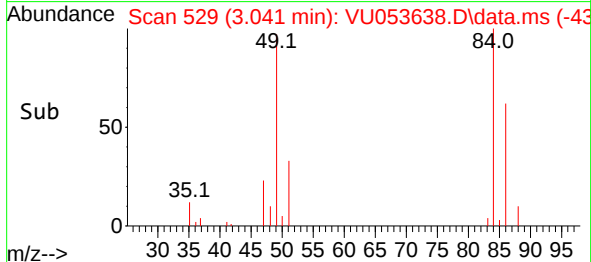
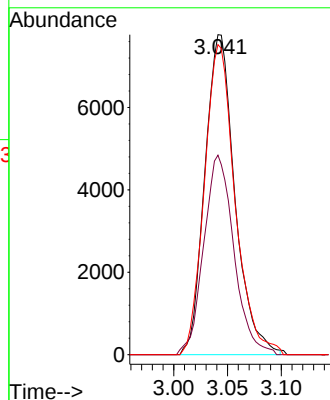
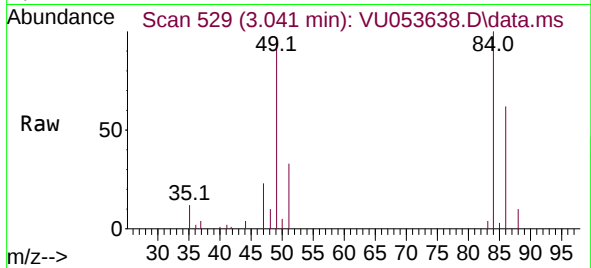




#16
Methylene chloride
Concen: 8.943 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

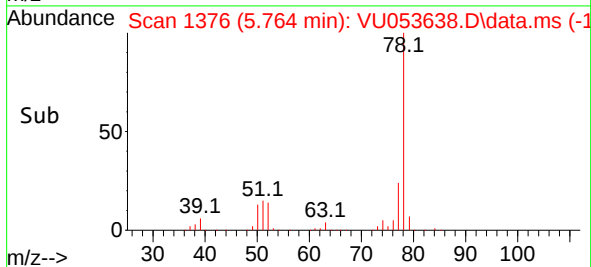
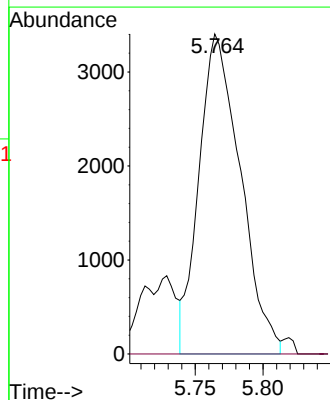
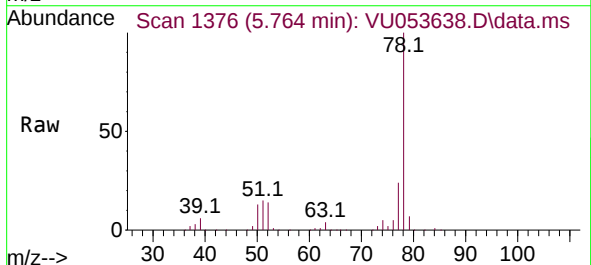
Instrument :
MSVOA_U
ClientSampleId :
COMC8DL

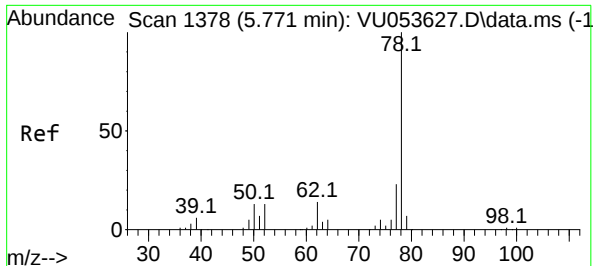
Tgt Ion: 84 Resp: 15094
Ion Ratio Lower Upper
84 100
86 62.4 43.5 80.9
49 96.9 69.7 129.5



#27
1,2-Dichloroethane
Concen: 3.431 ug/L
RT: 5.764 min Scan# 1376
Delta R.T. -0.023 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

Tgt Ion: 62 Resp: 7205
Ion Ratio Lower Upper
62 100
98 0.0 8.3 12.5#

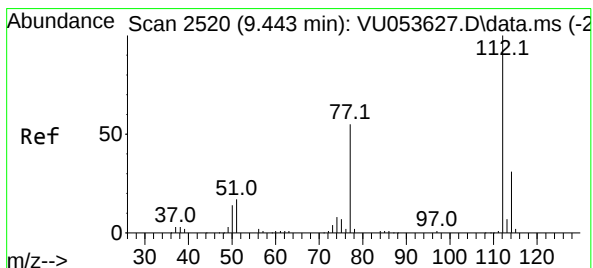
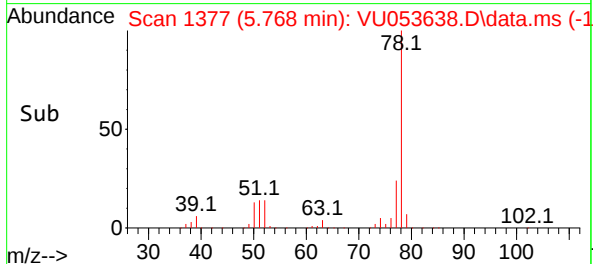
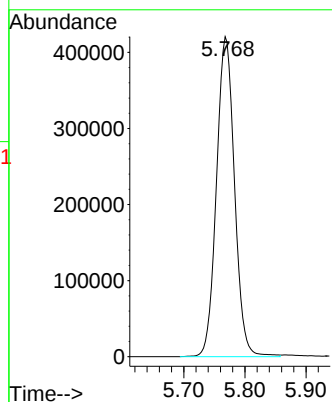
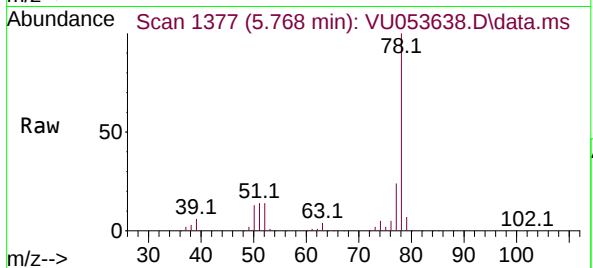




#33
Benzene
Concen: 146.633 ug/L
RT: 5.768 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

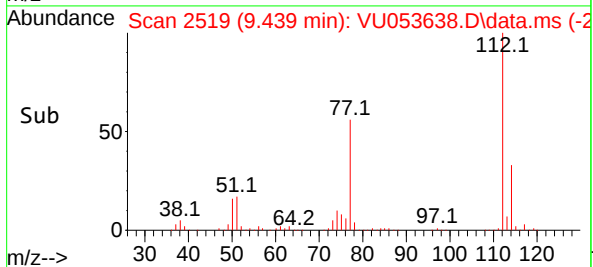
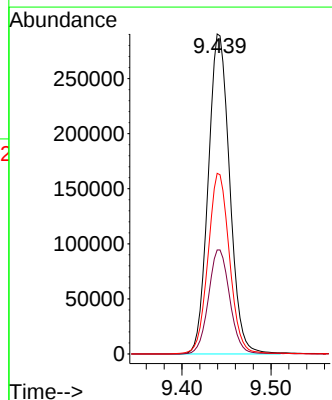
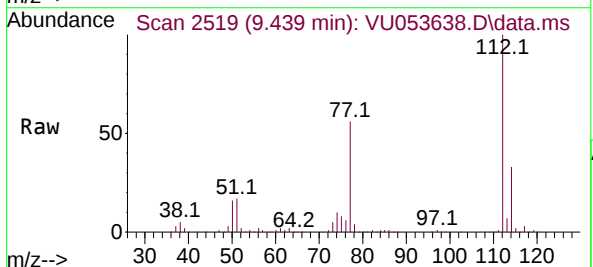
Instrument :
MSVOA_U
ClientSampleId :
COMC8DL

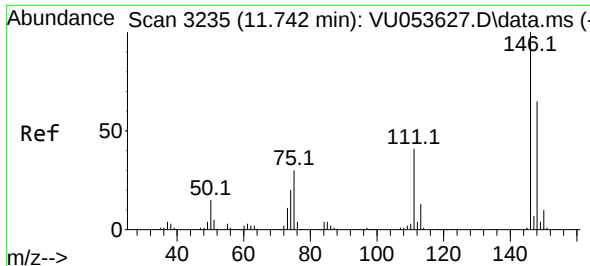
Tgt Ion: 78 Resp: 864446



#51
Chlorobenzene
Concen: 105.531 ug/L
RT: 9.439 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

Tgt Ion: 112 Resp: 485770
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 56.5 41.3 61.9

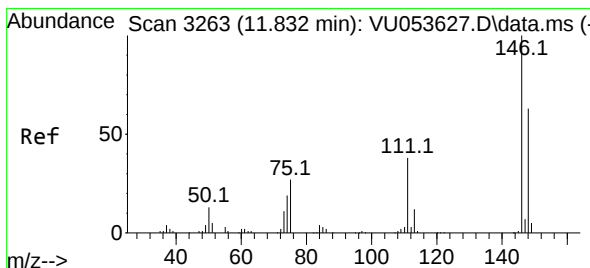
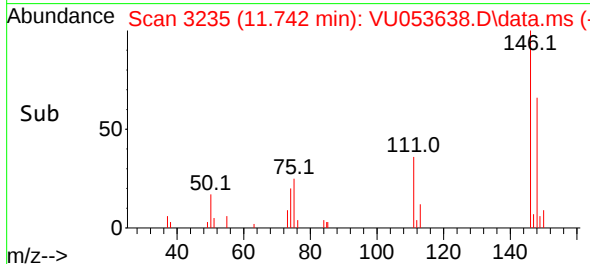
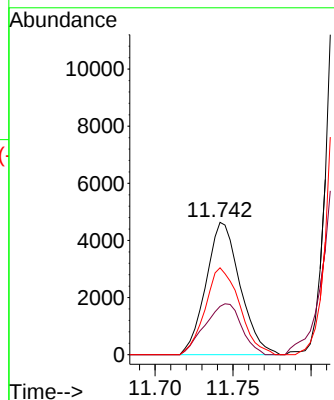
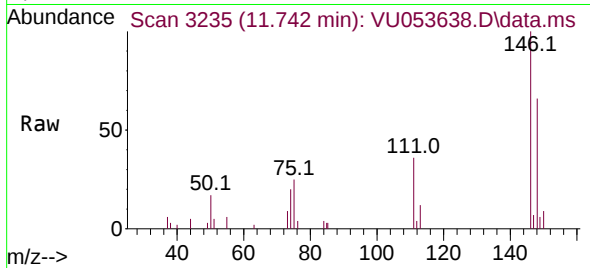




#64
1,3-Dichlorobenzene
Concen: 1.964 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

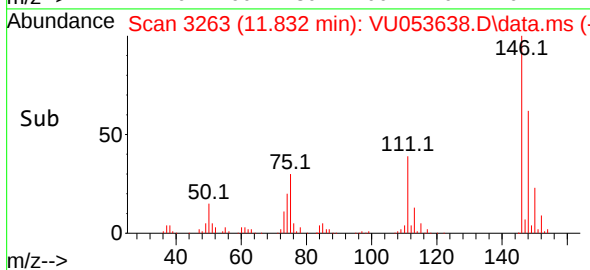
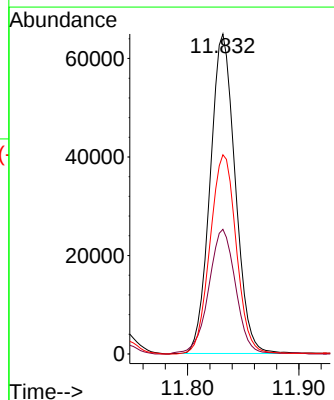
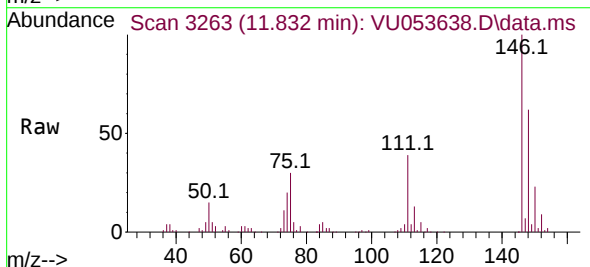
Instrument :
MSVOA_U
ClientSampleId :
COMC8DL

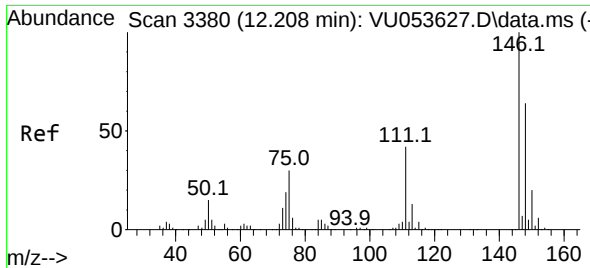
Tgt Ion:146 Resp: 7036
Ion Ratio Lower Upper
146 100
111 36.5 25.7 47.7
148 65.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 27.742 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053638.D
Acq: 11 Apr 2023 16:23

Tgt Ion:146 Resp: 101304
Ion Ratio Lower Upper
146 100
111 39.0 25.1 46.5
148 62.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 17.491 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053638.D

Acq: 11 Apr 2023 16:23

Instrument :

MSVOA_U

ClientSampleId :

COMC8DL

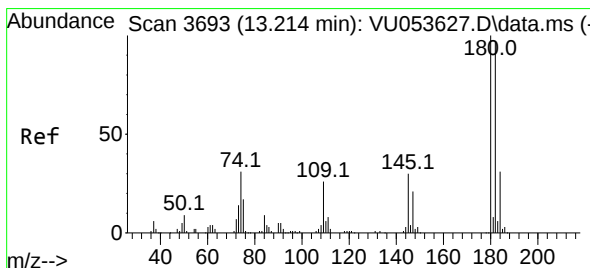
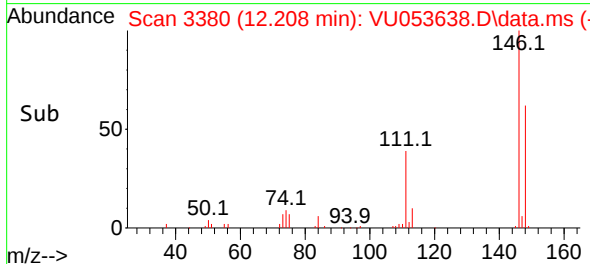
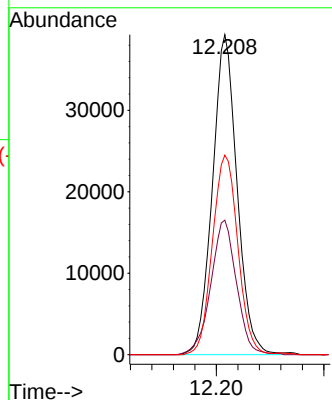
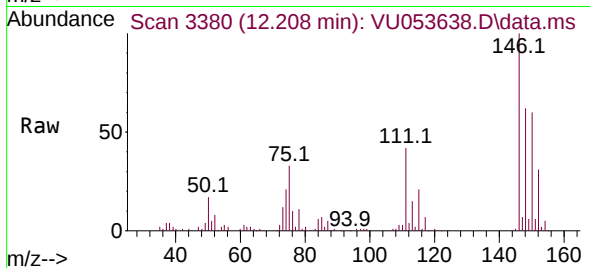
Tgt Ion:146 Resp: 62458

Ion Ratio Lower Upper

146 100

111 42.1 31.5 47.3

148 62.3 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 1.666 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

Lab File: VU053638.D

Acq: 11 Apr 2023 16:23

Tgt Ion:180 Resp: 4421

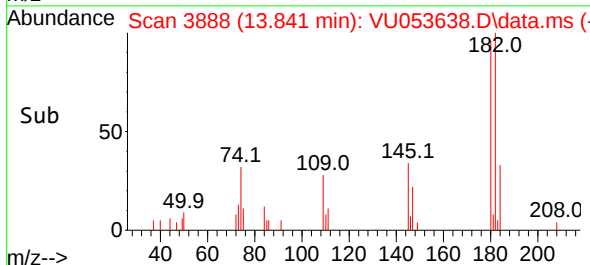
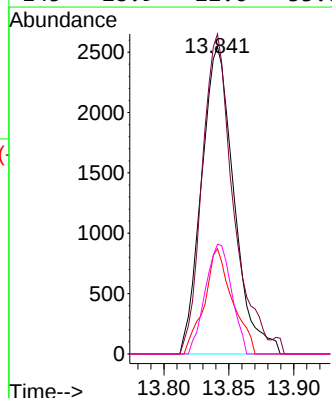
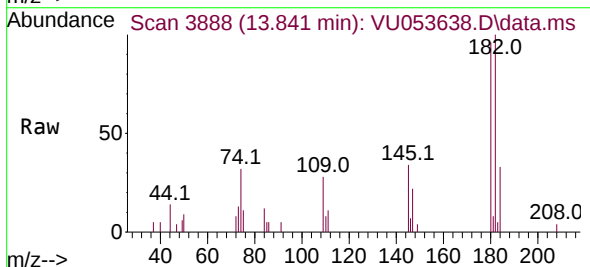
Ion Ratio Lower Upper

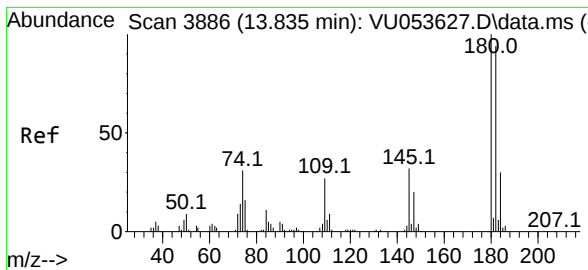
180 100

182 99.5 75.6 113.4

184 29.6 24.2 36.2

145 28.9 22.6 33.8





#70
 1,2,4-trichlorobenzene
 Concen: 1.797 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.006 min
 Lab File: VU053638.D
 Acq: 11 Apr 2023 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC8DL

Tgt Ion:	180	Resp:	4421
Ion	Ratio	Lower	Upper
180	100		
182	99.5	75.8	113.8
145	28.9	23.4	35.2

