

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053612.D
 Acq On : 10 Apr 2023 12:03
 Operator : JC/MD
 Sample : 02251-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC7

Quant Time: Apr 11 02:21:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

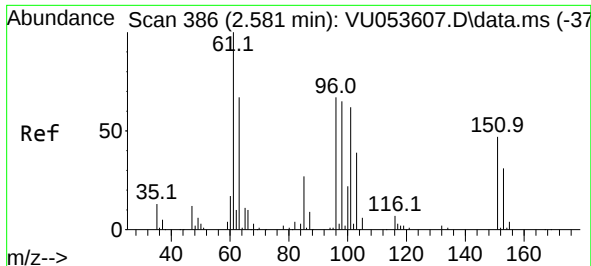
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	240550	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	221664	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	114560	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82917	44.268	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	88.540%	
7) Chloroethane-d5	1.909	69	72780	50.395	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	100.800%	
11) 1,1-Dichloroethene-d2	2.565	63	102271	35.273	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	70.540%	
21) 2-Butanone-d5	4.610	46	97515	114.988	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	114.990%	
24) Chloroform-d	5.057	84	145094	46.839	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.680%	
26) 1,2-Dichloroethane-d4	5.697	65	93760	51.222	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	102.440%	
32) Benzene-d6	5.723	84	300241	50.180	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.360%	
36) 1,2-Dichloropropane-d6	6.687	67	94037	51.419	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.840%	
41) Toluene-d8	7.893	98	279269	46.960	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.920%	
43) trans-1,3-Dichloroprop...	8.176	79	46726	49.497	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	99.000%	
47) 2-Hexanone-d5	8.626	63	73410	117.615	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	117.610%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133083	51.630	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	103.260%	
66) 1,2-Dichlorobenzene-d4	12.189	152	110828	46.347	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.700%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.565	96	972	0.659	ug/L	# 1
25) Chloroform	5.079	83	6103	2.165	ug/L	95
33) Benzene	5.771	78	322730	55.881	ug/L	100
51) Chlorobenzene	9.443	112	600483	133.162	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	125363	35.422	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	658717	182.620	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	610536	173.090	ug/L	98
69) 1,3,5-Trichlorobenzene	13.835	180	212147	80.947	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	212147	87.309	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	96804	39.887	ug/L	98

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

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QLast Update : Tue Apr 11 02:19:45 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.659 ug/L

RT: 2.565 min Scan# 386

Delta R.T. -0.016 min

Lab File: VU053612.D

Acq: 10 Apr 2023 12:03

Instrument :

MSVOA_U

ClientSampleId :

C0MC7

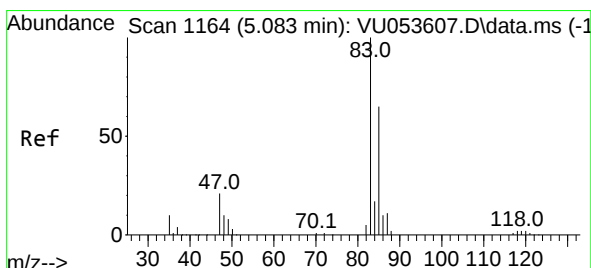
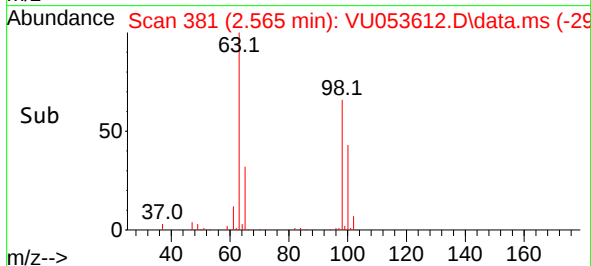
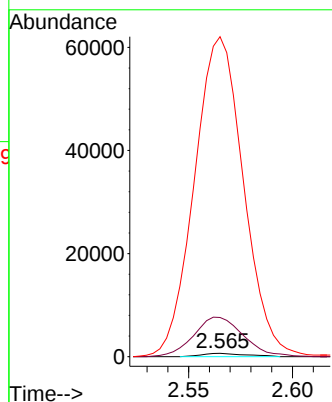
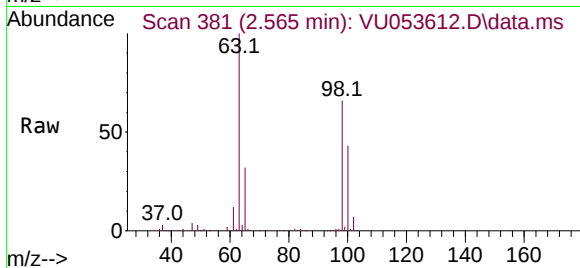
Tgt Ion: 96 Resp: 972

Ion Ratio Lower Upper

96 100

61 1160.7 107.9 200.5#

63 9491.1 79.1 146.9#



#25

Chloroform

Concen: 2.165 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053612.D

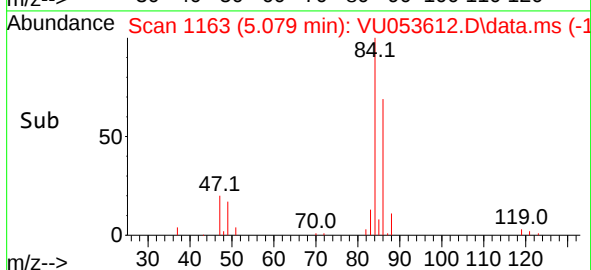
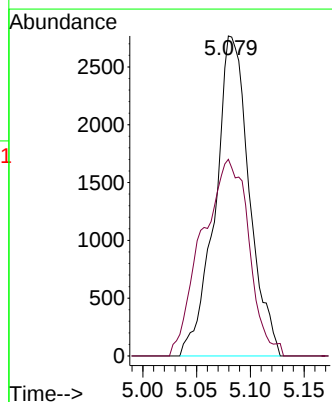
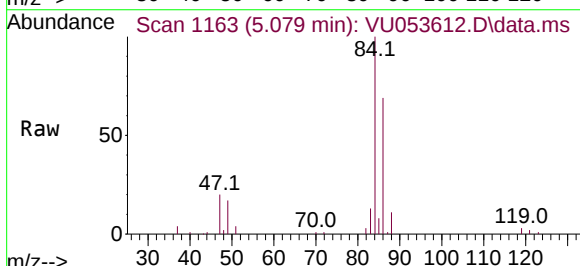
Acq: 10 Apr 2023 12:03

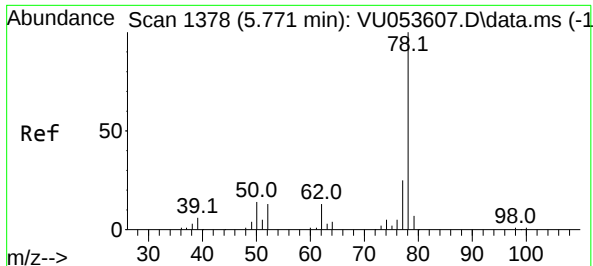
Tgt Ion: 83 Resp: 6103

Ion Ratio Lower Upper

83 100

85 61.5 46.1 85.5

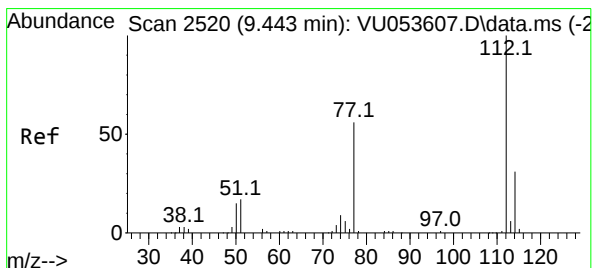
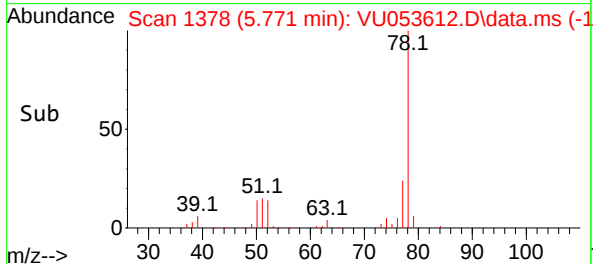
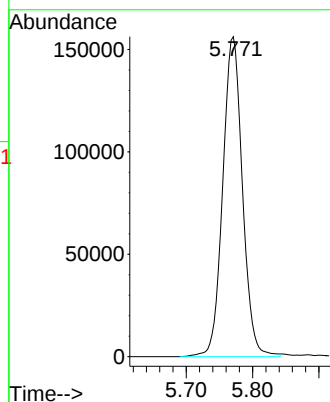
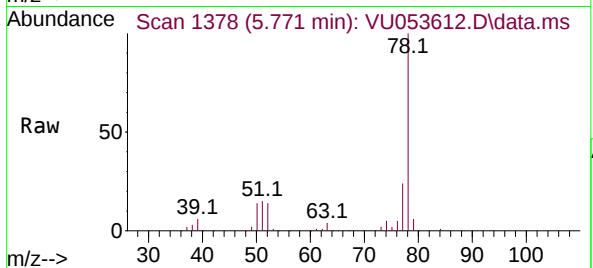




#33
Benzene
Concen: 55.881 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053612.D
Acq: 10 Apr 2023 12:03

Instrument :
MSVOA_U
ClientSampleId :
COMC7

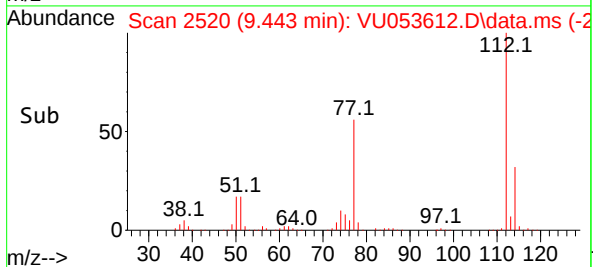
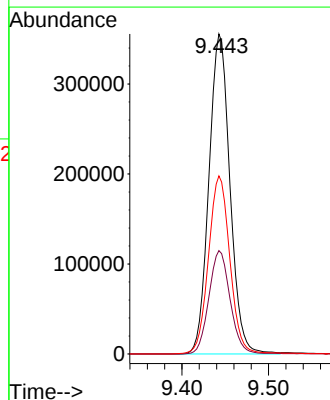
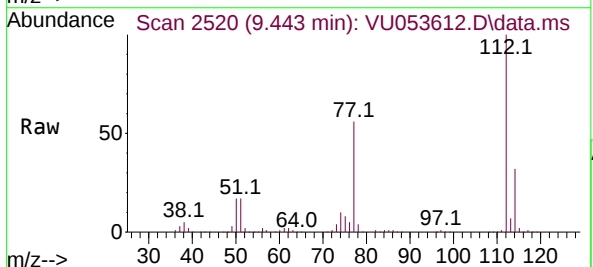
Tgt Ion: 78 Resp: 322730

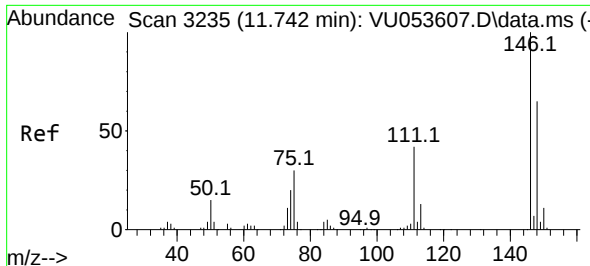


#51
Chlorobenzene
Concen: 133.162 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053612.D
Acq: 10 Apr 2023 12:03

Tgt Ion: 112 Resp: 600483

Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	55.6	41.3	61.9

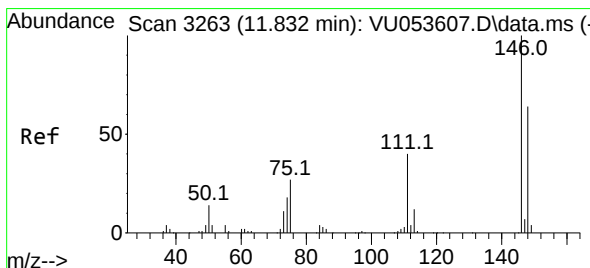
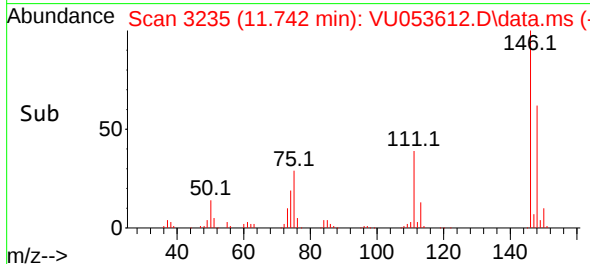
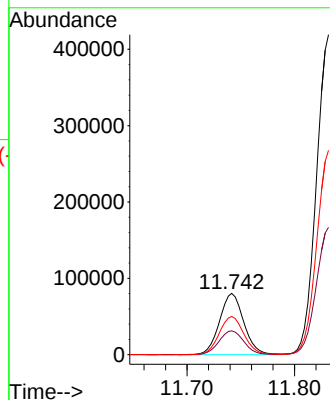
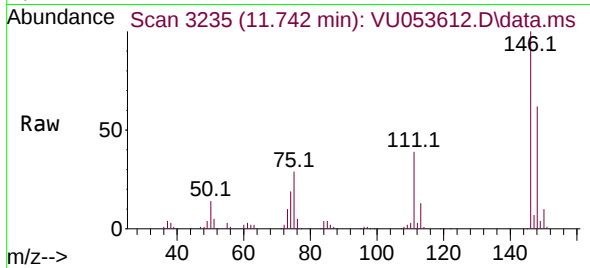




#64
1,3-Dichlorobenzene
Concen: 35.422 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053612.D
Acq: 10 Apr 2023 12:03

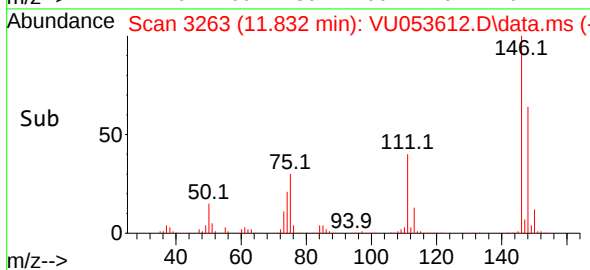
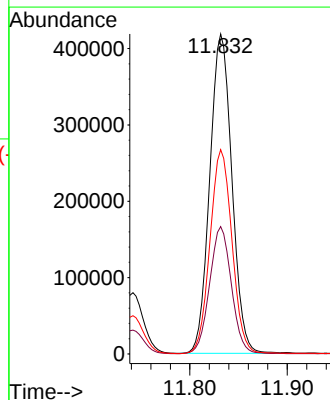
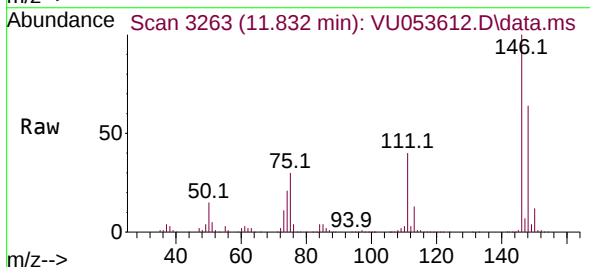
Instrument :
MSVOA_U
ClientSampleId :
COMC7

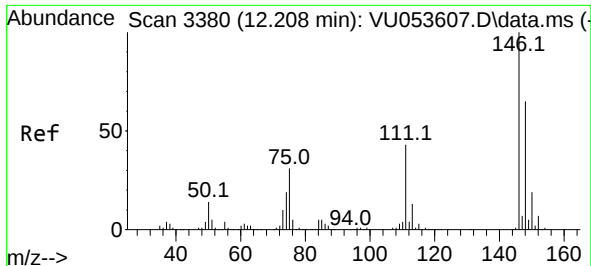
Tgt Ion:146 Resp: 125363
Ion Ratio Lower Upper
146 100
111 39.0 25.7 47.7
148 62.4 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 182.620 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053612.D
Acq: 10 Apr 2023 12:03

Tgt Ion:146 Resp: 658717
Ion Ratio Lower Upper
146 100
111 39.8 25.1 46.5
148 63.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 173.090 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053612.D

Acq: 10 Apr 2023 12:03

Instrument :

MSVOA_U

ClientSampleId :

C0MC7

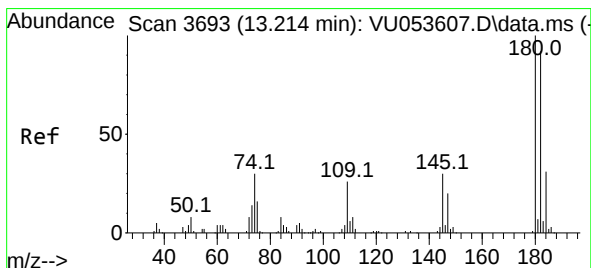
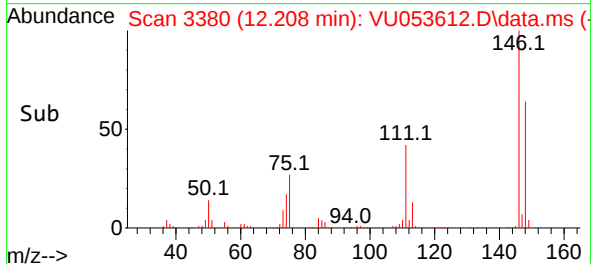
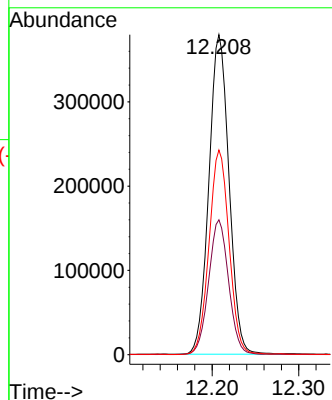
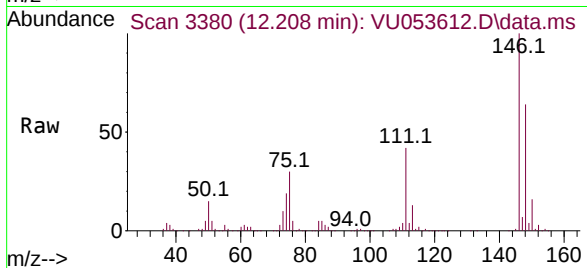
Tgt Ion:146 Resp: 610536

Ion Ratio Lower Upper

146 100

111 42.2 31.5 47.3

148 63.9 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 80.947 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.621 min

Lab File: VU053612.D

Acq: 10 Apr 2023 12:03

Tgt Ion:180 Resp: 212147

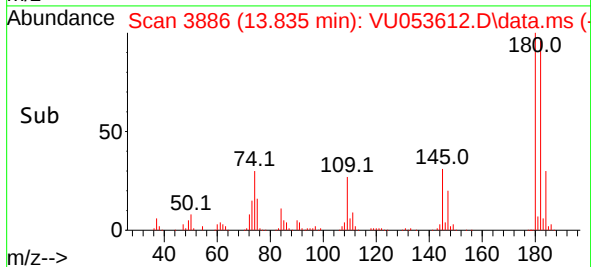
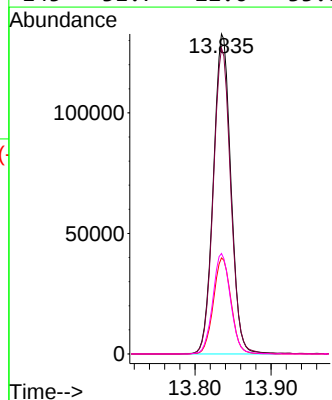
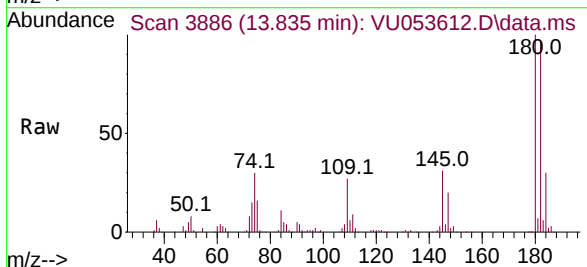
Ion Ratio Lower Upper

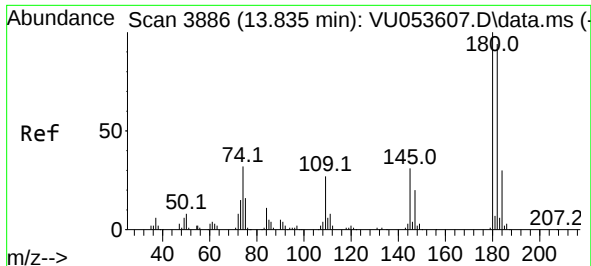
180 100

182 95.4 75.6 113.4

184 30.2 24.2 36.2

145 31.7 22.6 33.8

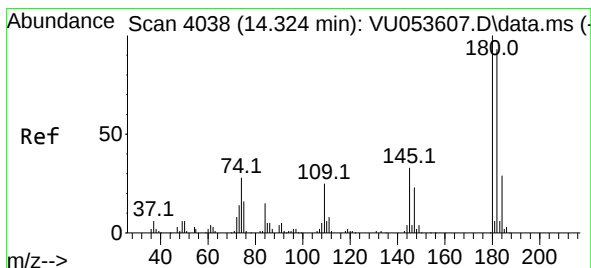
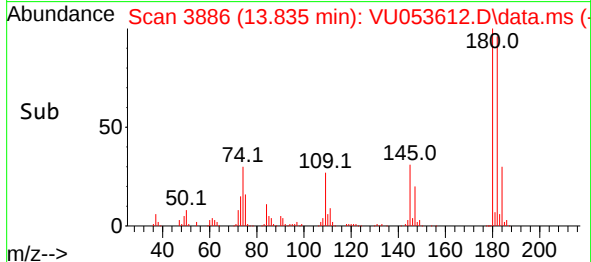
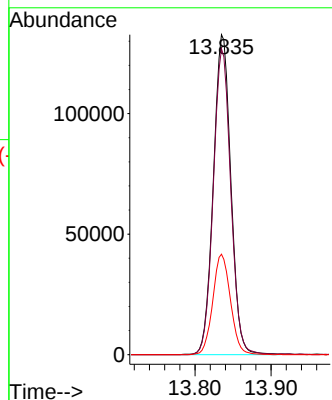
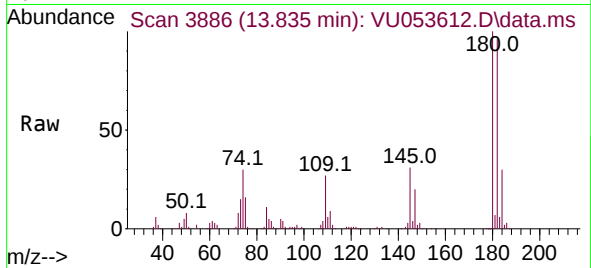




#70
 1,2,4-trichlorobenzene
 Concen: 87.309 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053612.D
 Acq: 10 Apr 2023 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC7

Tgt Ion:180 Resp: 212147
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 31.7 23.4 35.2



#72
 1,2,3-Trichlorobenzene
 Concen: 39.887 ug/L
 RT: 14.323 min Scan# 4038
 Delta R.T. -0.000 min
 Lab File: VU053612.D
 Acq: 10 Apr 2023 12:03

Tgt Ion:180 Resp: 96804
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.6
 145 33.1 25.4 38.0

