

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053615.D
 Acq On : 10 Apr 2023 15:15
 Operator : JC/MD
 Sample : 02251-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD0

Quant Time: Apr 11 02:22:27 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)

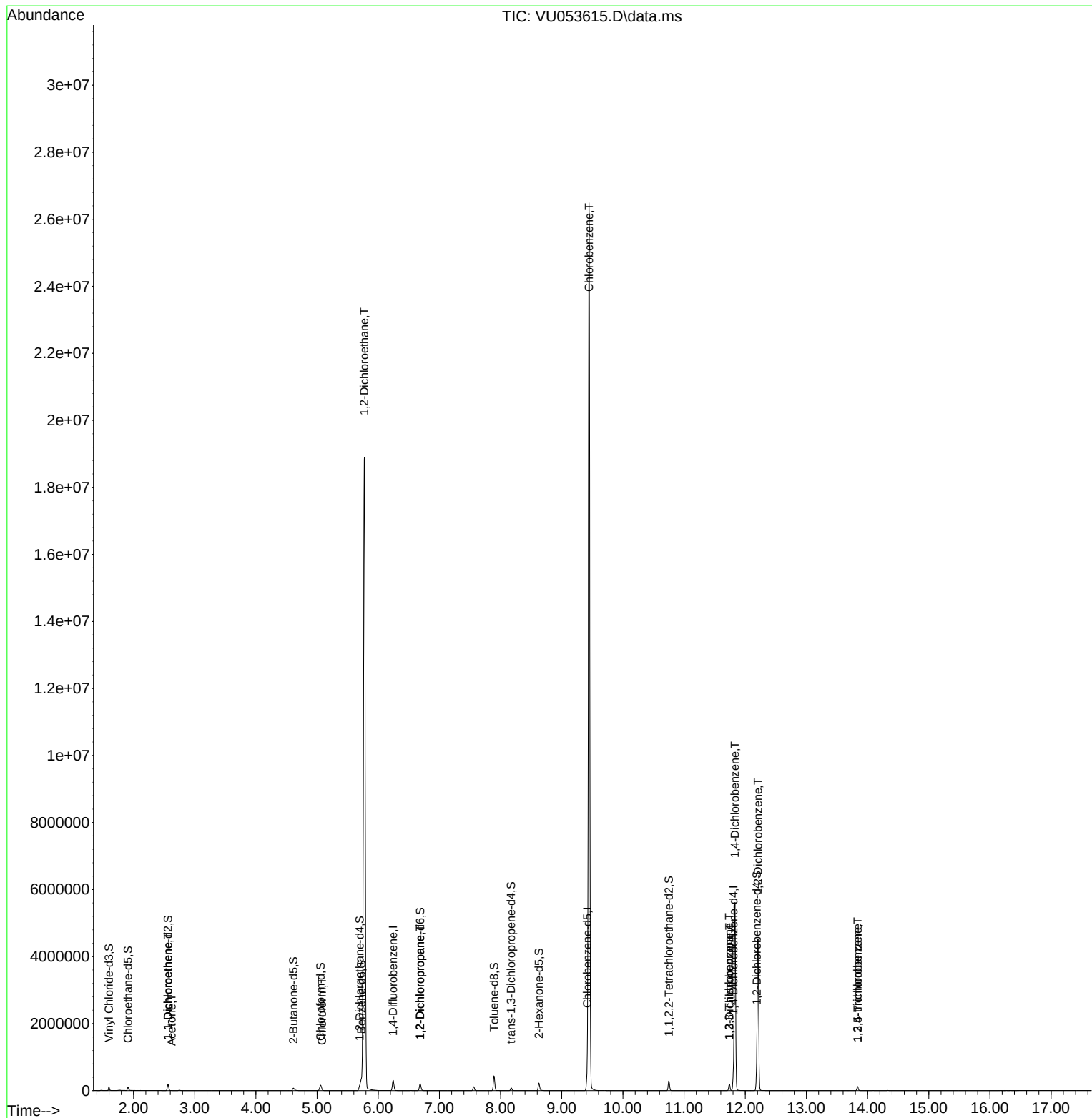
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	264841	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	252920	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131488	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85310	41.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.740%		
7) Chloroethane-d5	1.909	69	73738	46.376	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.760%		
11) 1,1-Dichloroethene-d2	2.562	63	102827	32.212	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.420%		
21) 2-Butanone-d5	4.613	46	104985	112.442	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.440%		
24) Chloroform-d	5.057	84	151129	44.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.620%		
26) 1,2-Dichloroethane-d4	5.697	65	99674	49.459	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.920%		
32) Benzene-d6	5.726	84	321431	47.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.160%		
36) 1,2-Dichloropropane-d6	6.687	67	98462	47.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.380%		
41) Toluene-d8	7.893	98	295413	43.536	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.080%		
43) trans-1,3-Dichloroprop...	8.172	79	46468	43.140	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.280%		
47) 2-Hexanone-d5	8.626	63	80346	112.819	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.820%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141091	47.972	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.940%		
66) 1,2-Dichlorobenzene-d4	12.188	152	120938	44.064	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.120%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.562	96	877	0.540	ug/L #	1
13) Acetone	2.620	43	2148	2.560	ug/L	92
25) Chloroform	5.083	83	2021	0.651	ug/L #	75
27) 1,2-Dichloroethane	5.771	62	148767	65.465	ug/L #	72
37) 1,2-Dichloropropane	6.684	63	10684	6.385	ug/L #	86
51) Chlorobenzene	9.446	112	14161454	2752.324	ug/L #	88
60) 1,2,3-Trichloropropane	11.738	75	23449	12.299	ug/L #	48
64) 1,3-Dichlorobenzene	11.741	146	78846	19.410	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	2220691	536.394	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	1784316	440.737	ug/L	98
69) 1,3,5-Trichlorobenzene	13.838	180	38501	12.799	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	38501	13.805	ug/L	98

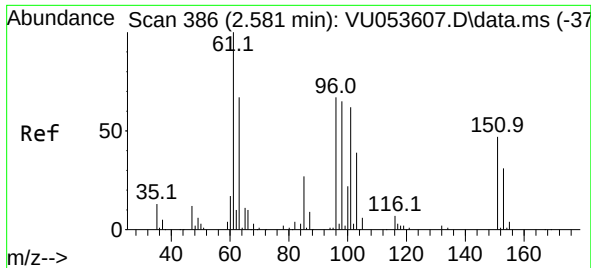
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.540 ug/L

RT: 2.562 min Scan# 386

Delta R.T. -0.019 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_U

ClientSampleId :

COMD0

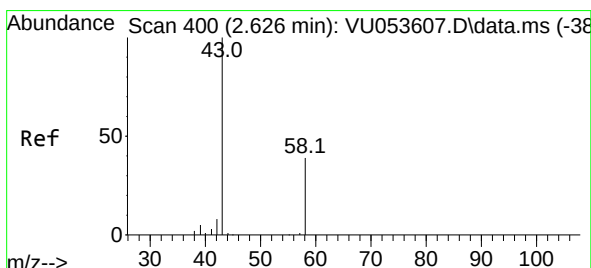
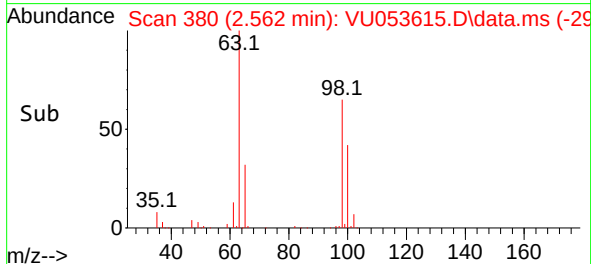
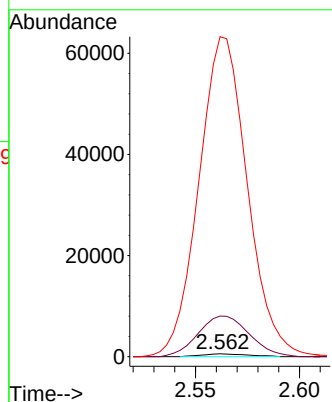
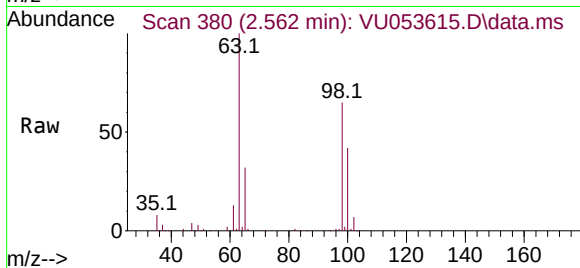
Tgt Ion: 96 Resp: 877

Ion Ratio Lower Upper

96 100

61 1430.4 107.9 200.5#

63 11241.2 79.1 146.9#



#13

Acetone

Concen: 2.560 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.007 min

Lab File: VU053615.D

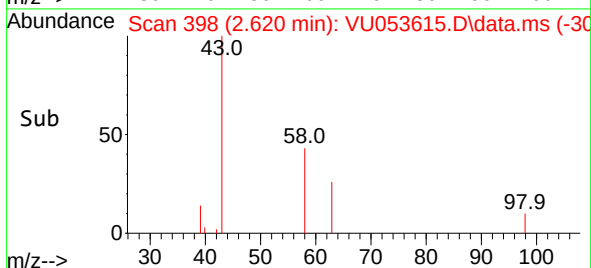
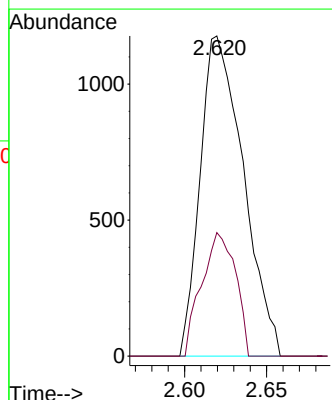
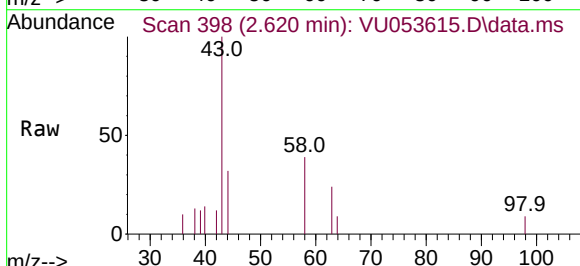
Acq: 10 Apr 2023 15:15

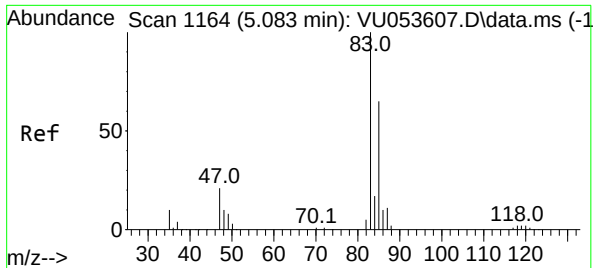
Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

43 100

58 30.3 0.0 70.2





#25

Chloroform

Concen: 0.651 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_U

ClientSampleId :

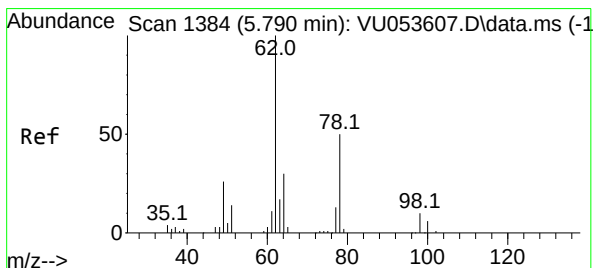
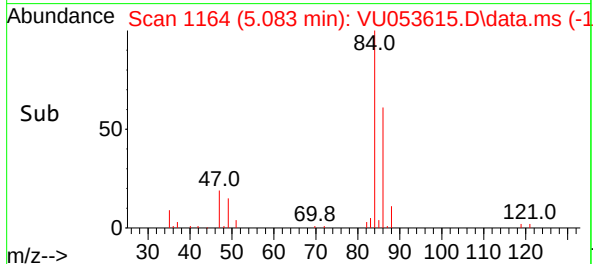
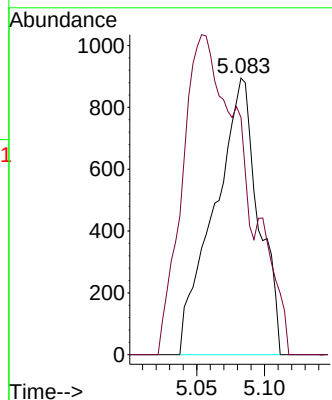
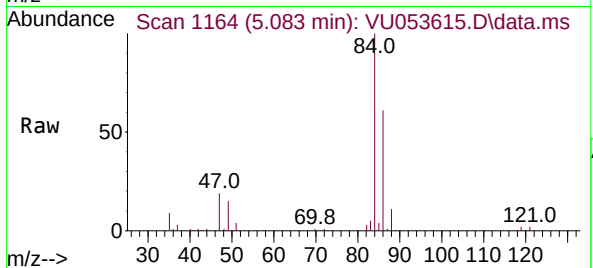
COMD0

Tgt Ion: 83 Resp: 2021

Ion Ratio Lower Upper

83 100

85 85.7 46.1 85.5#



#27

1,2-Dichloroethane

Concen: 65.465 ug/L

RT: 5.771 min Scan# 1378

Delta R.T. -0.019 min

Lab File: VU053615.D

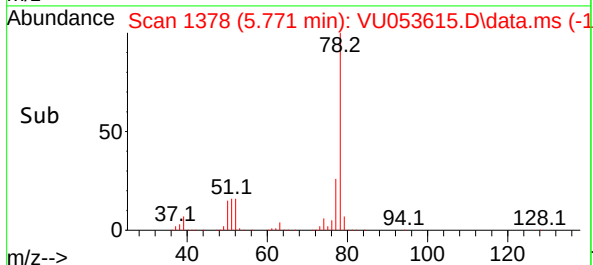
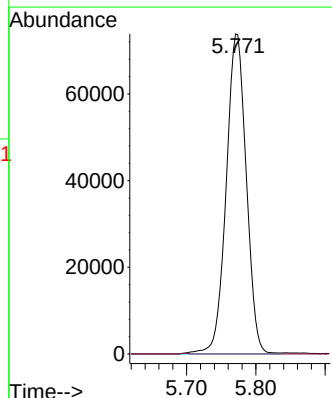
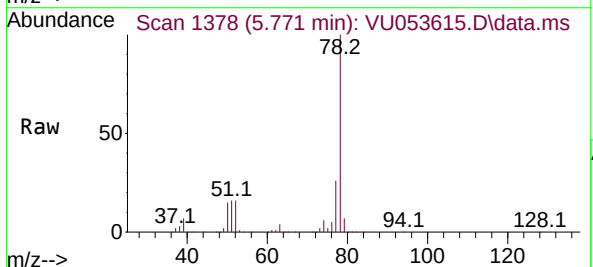
Acq: 10 Apr 2023 15:15

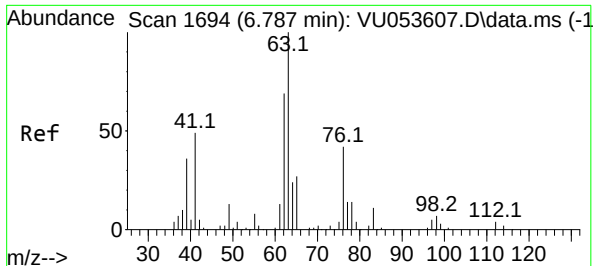
Tgt Ion: 62 Resp: 148767

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#

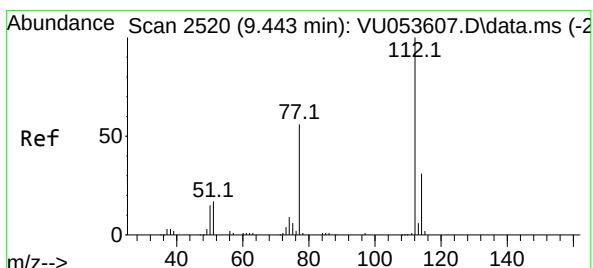
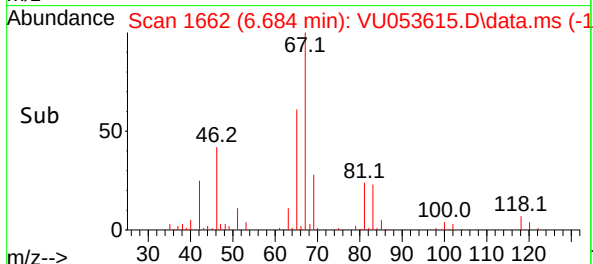
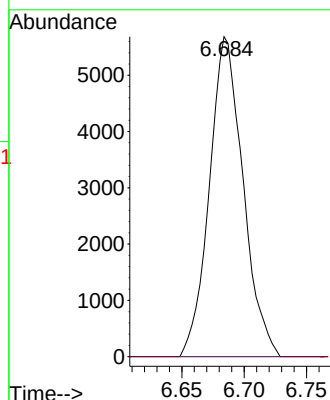
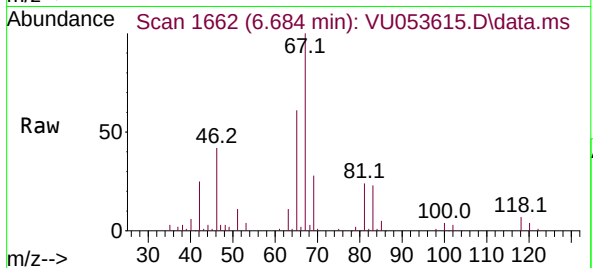




#37
1,2-Dichloropropane
Concen: 6.385 ug/L
RT: 6.684 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU053615.D
Acq: 10 Apr 2023 15:15

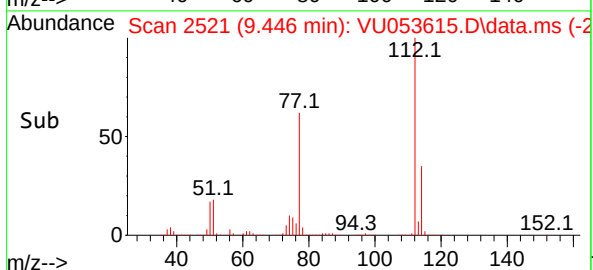
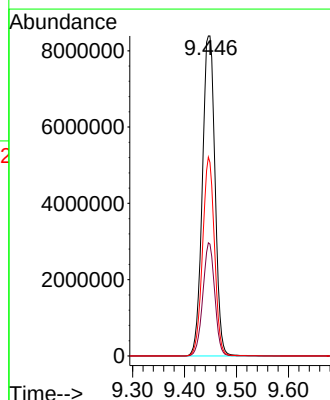
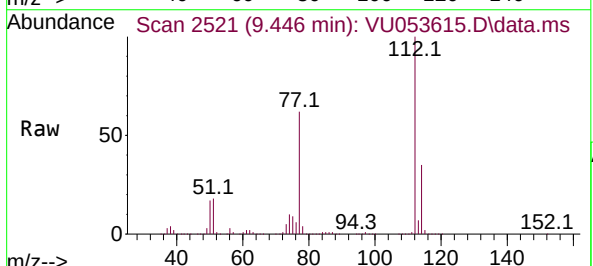
Instrument :
MSVOA_U
ClientSampleId :
COMD0

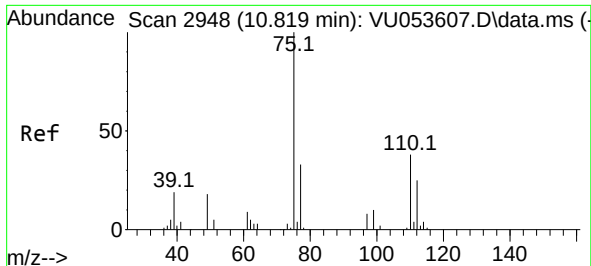
Tgt Ion: 63 Resp: 10684
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#51
Chlorobenzene
Concen: 2752.324 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053615.D
Acq: 10 Apr 2023 15:15

Tgt Ion: 112 Resp: 14161454
Ion Ratio Lower Upper
112 100
114 35.4 22.2 41.2
77 62.2 41.3 61.9#





#60

1,2,3-Trichloropropane

Concen: 12.299 ug/L

RT: 11.738 min Scan# 31

Delta R.T. 0.919 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_U

ClientSampleId :

COMD0

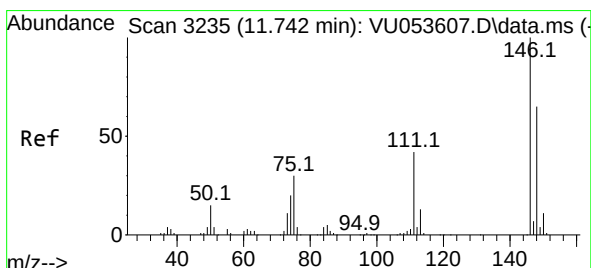
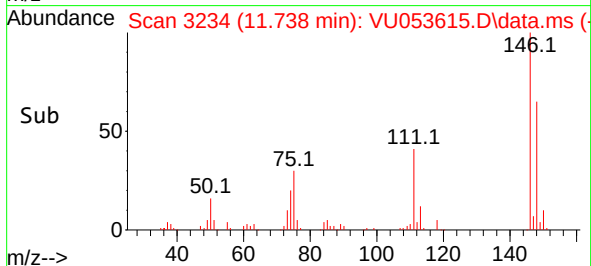
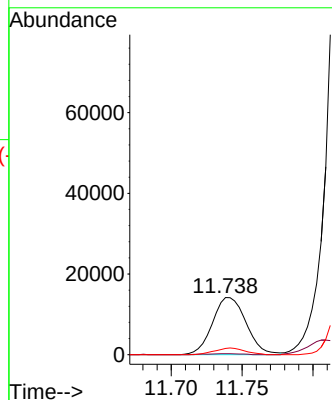
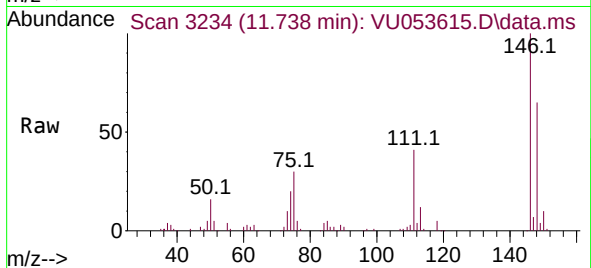
Tgt Ion: 75 Resp: 23449

Ion Ratio Lower Upper

75 100

77 1.4 26.0 39.0#

110 10.4 32.6 48.8#



#64

1,3-Dichlorobenzene

Concen: 19.410 ug/L

RT: 11.741 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

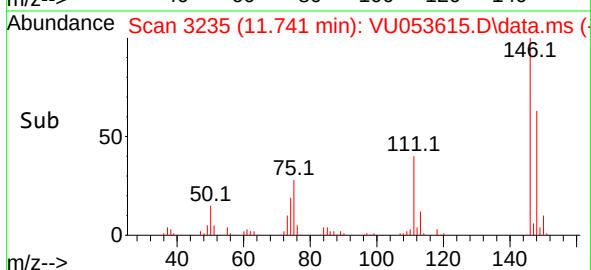
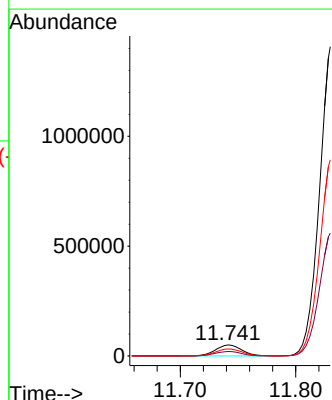
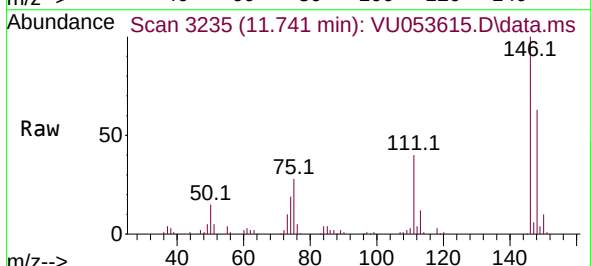
Tgt Ion:146 Resp: 78846

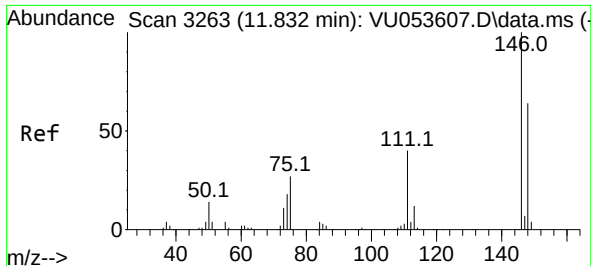
Ion Ratio Lower Upper

146 100

111 40.2 25.7 47.7

148 63.3 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 536.394 ug/L

RT: 11.831 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA_U

ClientSampleId :

COMD0

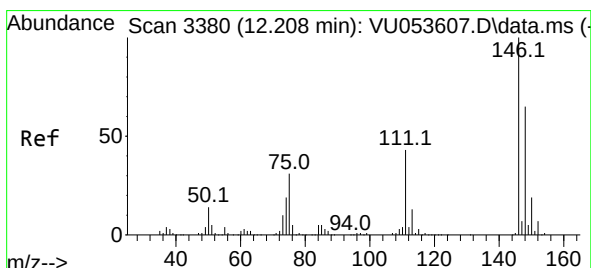
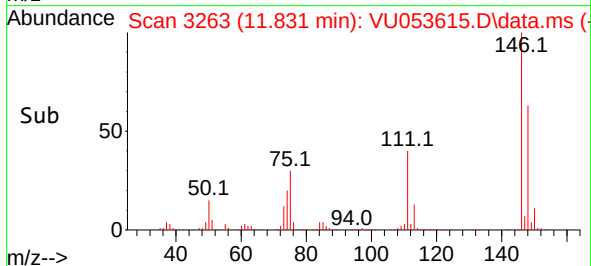
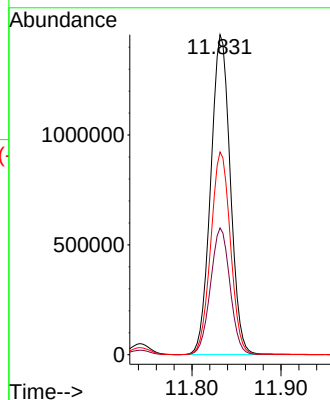
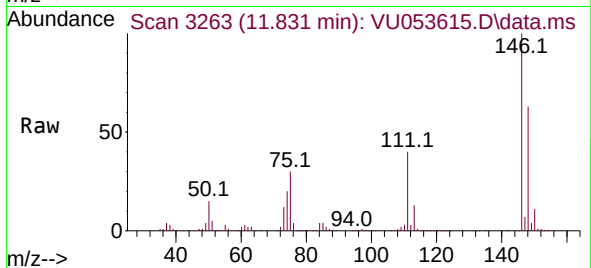
Tgt Ion:146 Resp: 2220691

Ion Ratio Lower Upper

146 100

111 39.6 25.1 46.5

148 63.4 44.3 82.3



#67

1,2-Dichlorobenzene

Concen: 440.737 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053615.D

Acq: 10 Apr 2023 15:15

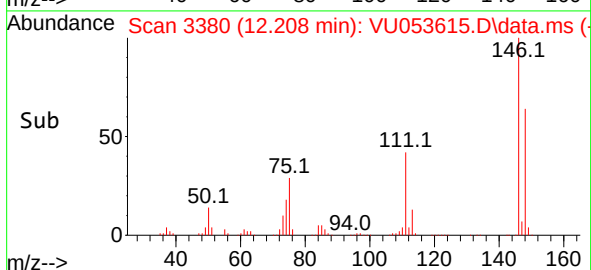
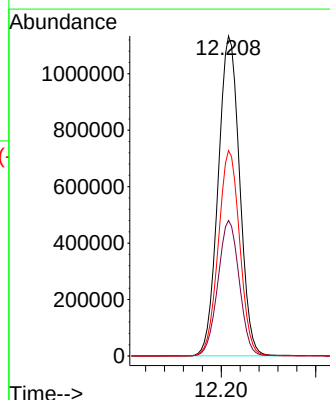
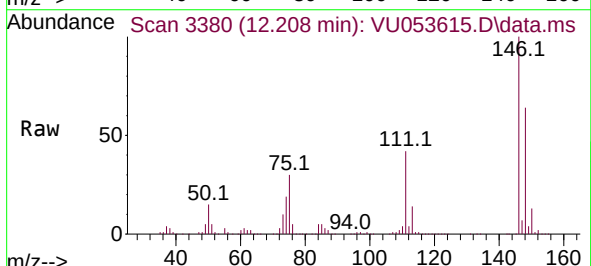
Tgt Ion:146 Resp: 1784316

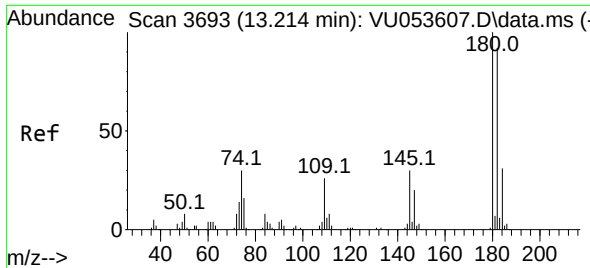
Ion Ratio Lower Upper

146 100

111 42.4 31.5 47.3

148 64.2 51.6 77.4

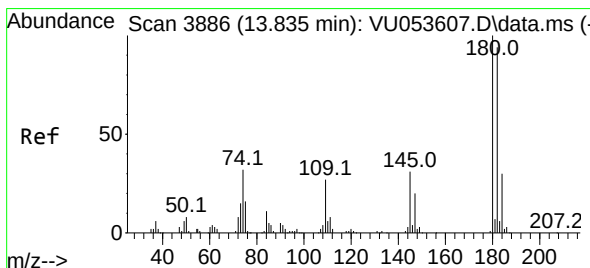
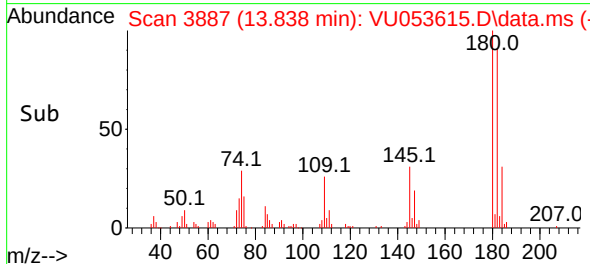
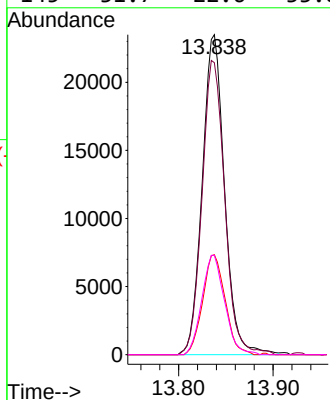
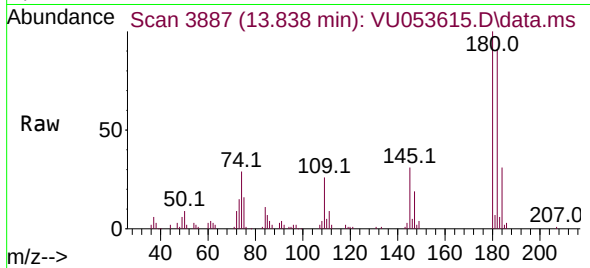




#69
 1,3,5-Trichlorobenzene
 Concen: 12.799 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU053615.D
 Acq: 10 Apr 2023 15:15

Instrument :
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Tgt Ion:180	Resp:	38501
Ion Ratio	Lower	Upper
180	100	
182	93.6	75.6 113.4
184	31.5	24.2 36.2
145	31.7	22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 13.805 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053615.D
 Acq: 10 Apr 2023 15:15

Tgt Ion:180	Resp:	38501
Ion Ratio	Lower	Upper
180	100	
182	93.6	75.8 113.8
145	31.7	23.4 35.2

