

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053546.D
 Acq On : 04 Apr 2023 02:19
 Operator : JC/MD
 Sample : 02158-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1(20230331)

Quant Time: Apr 04 06:58:46 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)

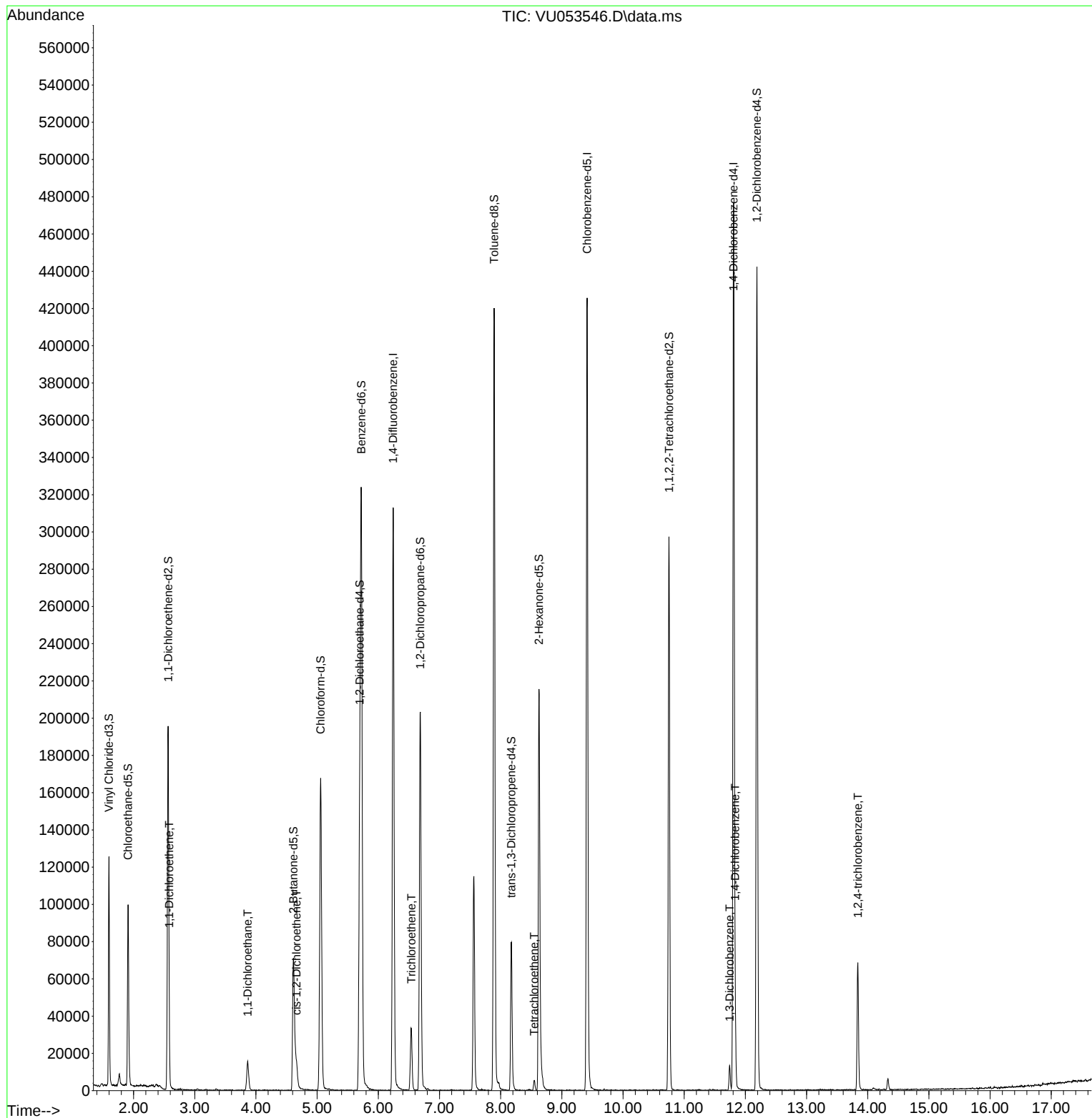
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	267937	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	251423	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130516	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86723	41.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.140%
7) Chloroethane-d5	1.909	69	73065	45.421	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.840%
11) 1,1-Dichloroethene-d2	2.565	63	109356	33.861	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.720%
21) 2-Butanone-d5	4.613	46	99776	105.628	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.630%
24) Chloroform-d	5.057	84	155236	44.991	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
26) 1,2-Dichloroethane-d4	5.697	65	99741	48.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.840%
32) Benzene-d6	5.722	84	316769	46.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
36) 1,2-Dichloropropane-d6	6.684	67	102446	49.387	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.780%
41) Toluene-d8	7.893	98	296274	43.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	8.173	79	47118	44.004	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.000%
47) 2-Hexanone-d5	8.626	63	78271	110.560	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.560%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141283	48.324	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.640%
66) 1,2-Dichlorobenzene-d4	12.188	152	121846	44.725	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.460%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	4092	2.489	ug/L	# 1
19) 1,1-Dichloroethane	3.864	63	17795	6.502	ug/L	94
20) cis-1,2-Dichloroethene	4.661	96	6354	3.329	ug/L	99
34) Trichloroethene	6.539	95	10761	5.431	ug/L	93
46) Tetrachloroethene	8.549	164	1184	0.720	ug/L	89
64) 1,3-Dichlorobenzene	11.742	146	6054	1.501	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	17001	4.137	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	22096	7.982	ug/L	98

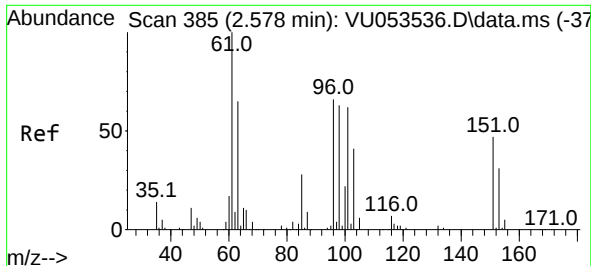
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.489 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU053546.D

Acq: 04 Apr 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

MW-1(20230331)

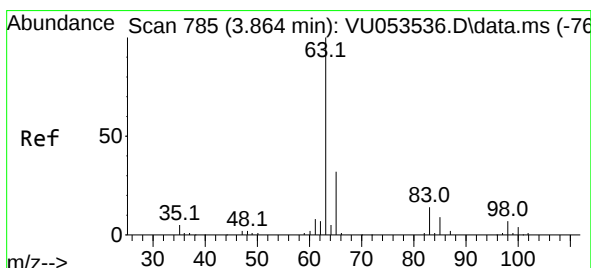
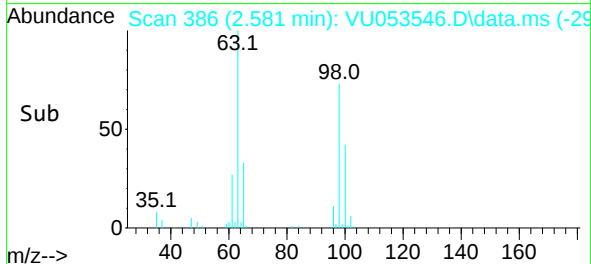
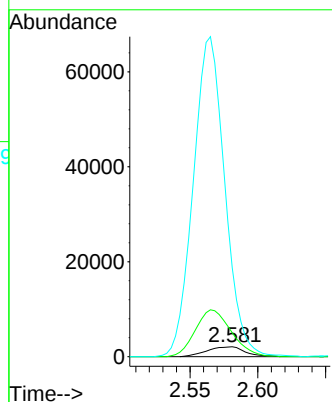
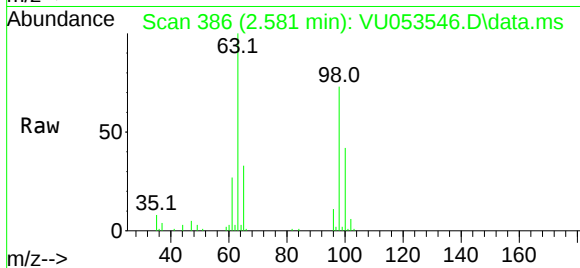
Tgt Ion: 96 Resp: 4092

Ion Ratio Lower Upper

96 100

61 244.1 107.9 200.5#

63 905.5 79.1 146.9#



#19

1,1-Dichloroethane

Concen: 6.502 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053546.D

Acq: 04 Apr 2023 02:19

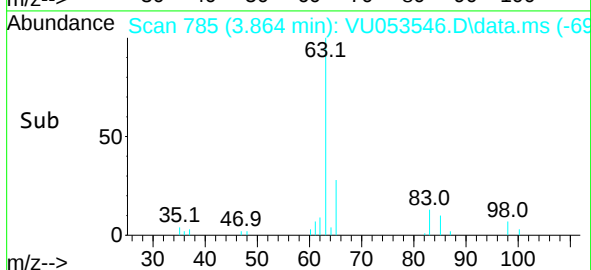
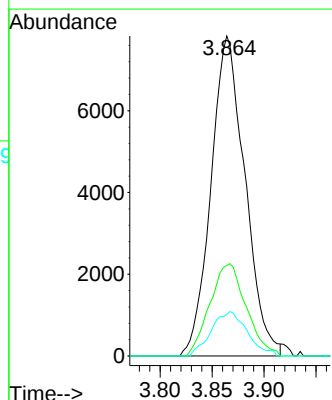
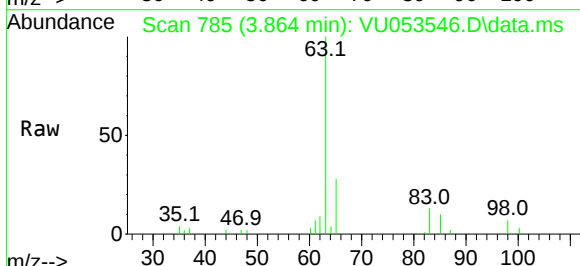
Tgt Ion: 63 Resp: 17795

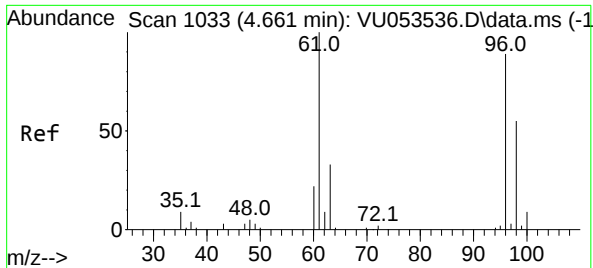
Ion Ratio Lower Upper

63 100

65 28.3 22.0 41.0

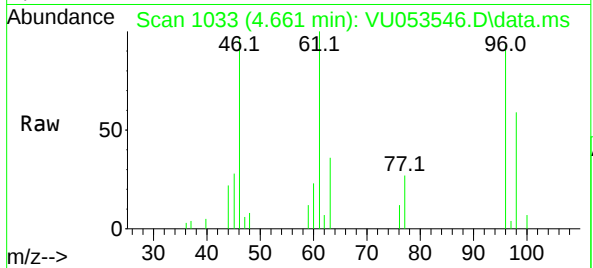
83 13.0 10.8 20.0





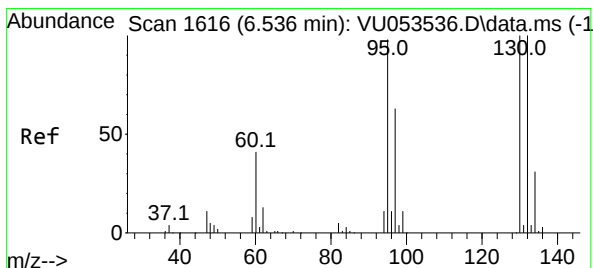
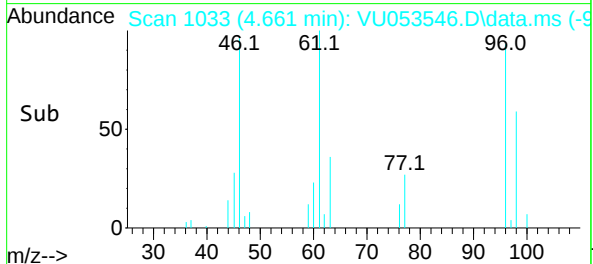
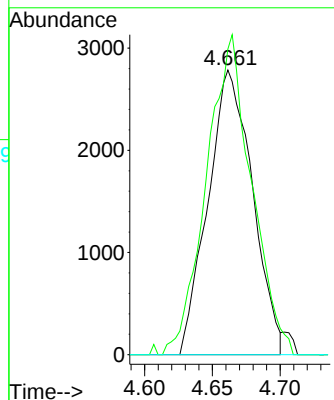
#20
 cis-1,2-Dichloroethene
 Concen: 3.329 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU053546.D
 Acq: 04 Apr 2023 02:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1(20230331)



Tgt Ion: 96 Resp: 6354

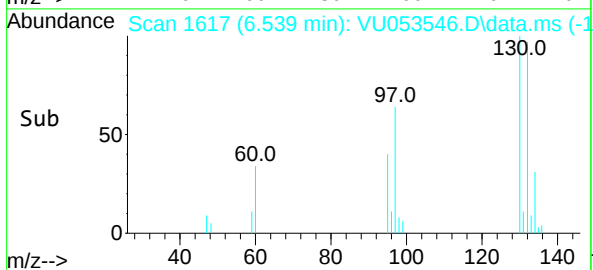
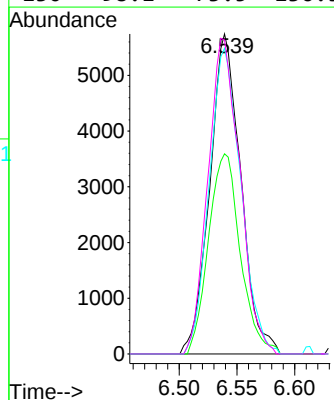
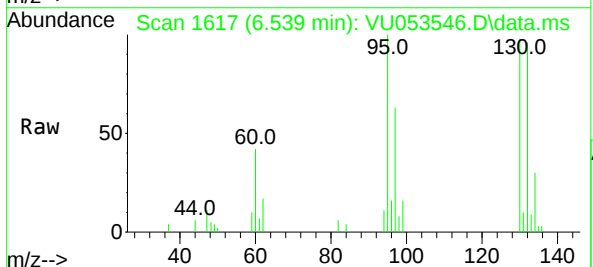
Ion	Ratio	Lower	Upper
96	100		
61	107.4	74.7	138.7
68	0.0	0.0	0.0

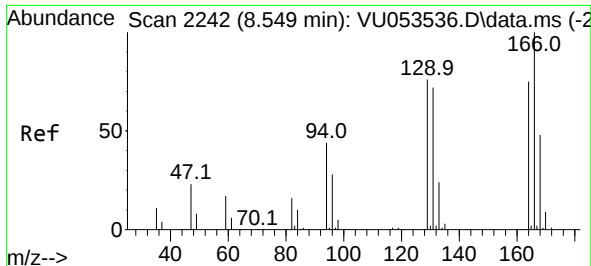


#34
 Trichloroethene
 Concen: 5.431 ug/L
 RT: 6.539 min Scan# 1617
 Delta R.T. 0.003 min
 Lab File: VU053546.D
 Acq: 04 Apr 2023 02:19

Tgt Ion: 95 Resp: 10761

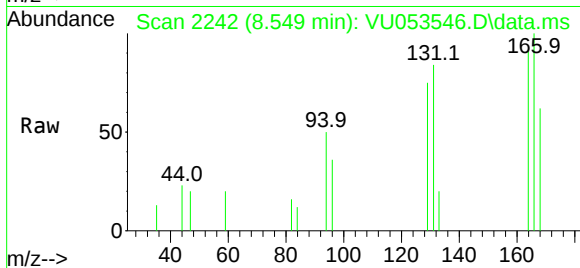
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.1	83.7
132	95.5	74.1	137.5
130	98.1	73.5	136.5



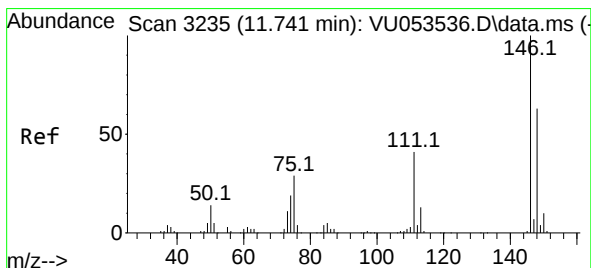
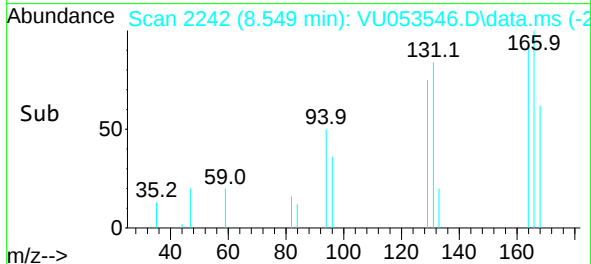
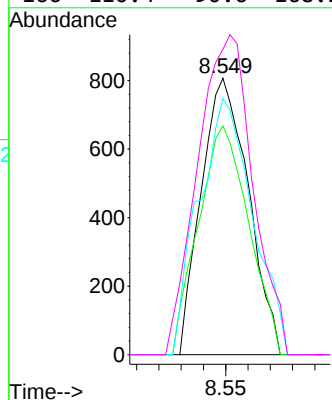


#46
Tetrachloroethene
Concen: 0.720 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053546.D
Acq: 04 Apr 2023 02:19

Instrument :
MSVOA_U
ClientSampleId :
MW-1(20230331)

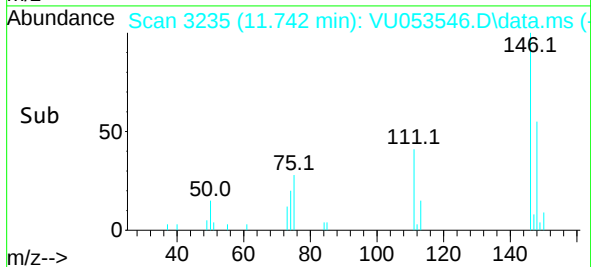
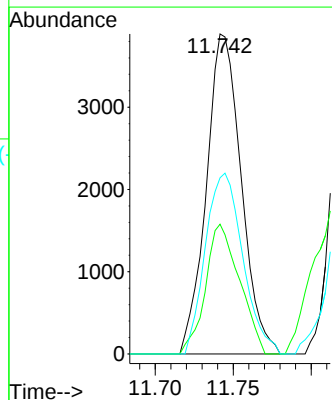
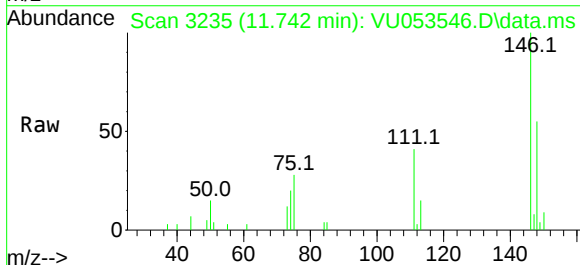


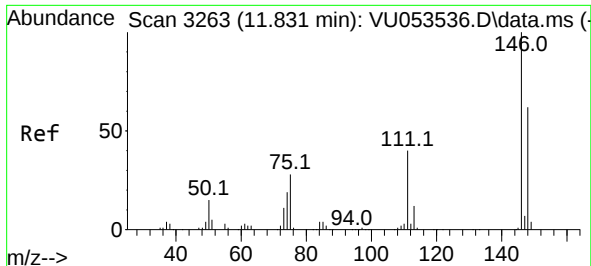
Tgt Ion	Ratio	Lower	Upper
164	100		
129	82.8	64.0	119.0
131	92.6	61.9	115.1
166	110.4	90.6	168.2



#64
1,3-Dichlorobenzene
Concen: 1.501 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053546.D
Acq: 04 Apr 2023 02:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	25.7	47.7
148	55.0	44.2	82.2





#65

1,4-Dichlorobenzene

Concen: 4.137 ug/L

RT: 11.832 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053546.D

Acq: 04 Apr 2023 02:19

Instrument :

MSVOA_U

ClientSampleId :

MW-1(20230331)

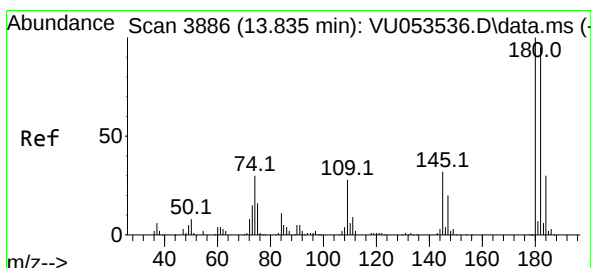
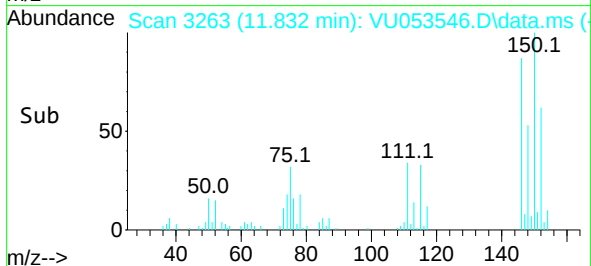
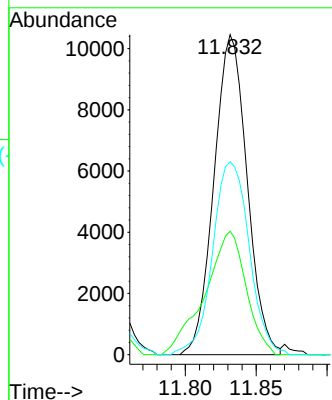
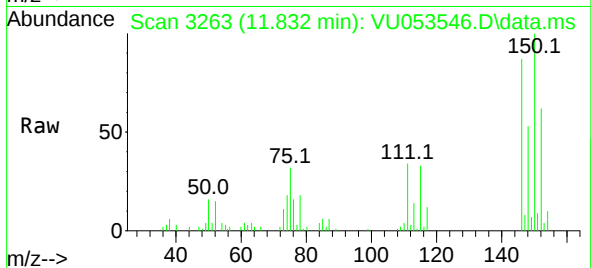
Tgt Ion:146 Resp: 17001

Ion Ratio Lower Upper

146 100

111 38.6 25.1 46.5

148 60.3 44.3 82.3



#70

1,2,4-trichlorobenzene

Concen: 7.982 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053546.D

Acq: 04 Apr 2023 02:19

Tgt Ion:180 Resp: 22096

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.8

145 31.9 23.4 35.2

