

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053544.D
 Acq On : 04 Apr 2023 01:32
 Operator : JC/MD
 Sample : 02158-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2(20230330)

Quant Time: Apr 04 06:58:31 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)

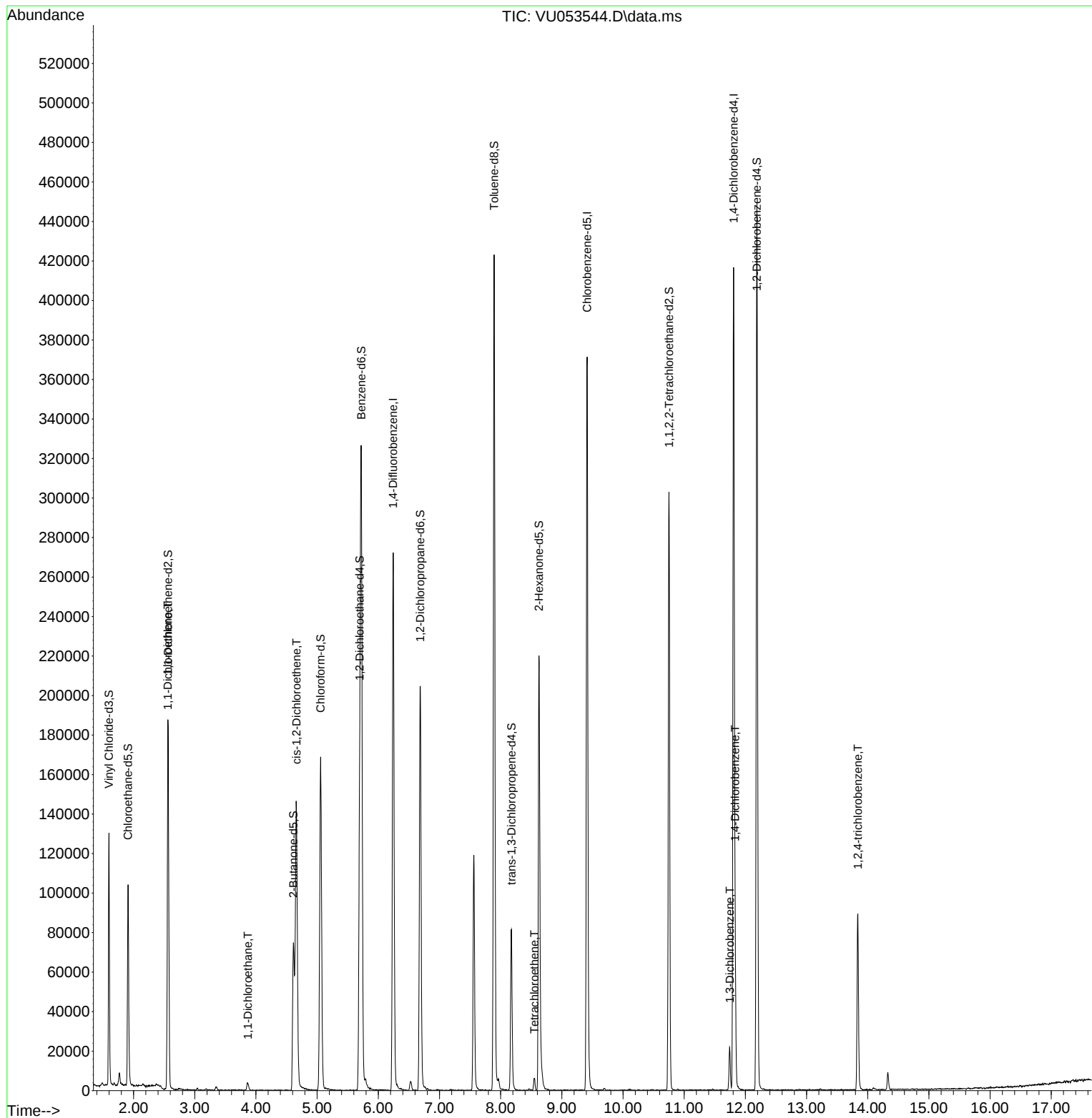
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	232913	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	216015	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	111161	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	88176	48.619	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 97.240%			
7) Chloroethane-d5	1.909	69	76962	55.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.080%			
11) 1,1-Dichloroethene-d2	2.562	63	108284	38.571	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 77.140%			
21) 2-Butanone-d5	4.613	46	103459	125.997	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 126.000%			
24) Chloroform-d	5.057	84	154561	51.531	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.060%			
26) 1,2-Dichloroethane-d4	5.697	65	102230	57.681	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.360%			
32) Benzene-d6	5.723	84	319569	54.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.620%			
36) 1,2-Dichloropropane-d6	6.684	67	100367	56.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.640%			
41) Toluene-d8	7.893	98	298586	51.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.040%			
43) trans-1,3-Dichloroprop...	8.176	79	47702	51.852	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.700%			
47) 2-Hexanone-d5	8.626	63	78452	128.980	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 128.980%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144594	57.563	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 115.120%			
66) 1,2-Dichlorobenzene-d4	12.189	152	120112	51.765	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.540%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.559	96	1146	0.802	ug/L	# 1
19) 1,1-Dichloroethane	3.867	63	4468	1.878	ug/L	94
20) cis-1,2-Dichloroethene	4.662	96	77423	46.668	ug/L	93
46) Tetrachloroethene	8.552	164	1569	1.111	ug/L	85
64) 1,3-Dichlorobenzene	11.745	146	9857	2.870	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	29356	8.387	ug/L	95
70) 1,2,4-trichlorobenzene	13.838	180	28776	12.205	ug/L	98

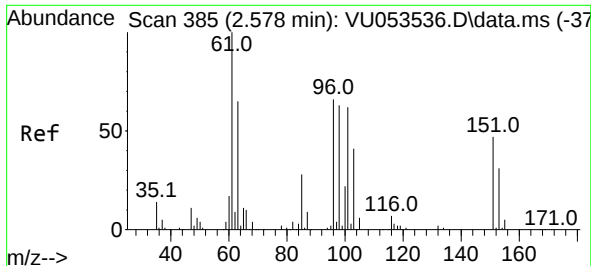
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
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#12

1,1-Dichloroethene

Concen: 0.802 ug/L

RT: 2.559 min Scan# 31

Delta R.T. -0.019 min

Lab File: VU053544.D

Acq: 04 Apr 2023 01:32

Instrument :

MSVOA_U

ClientSampleId :

MW-2(20230330)

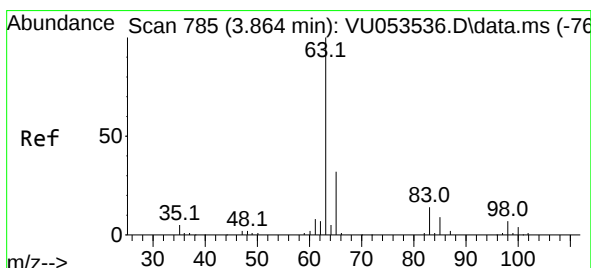
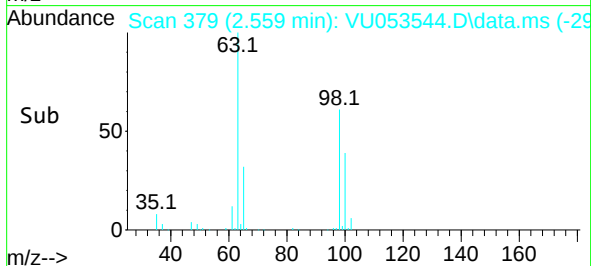
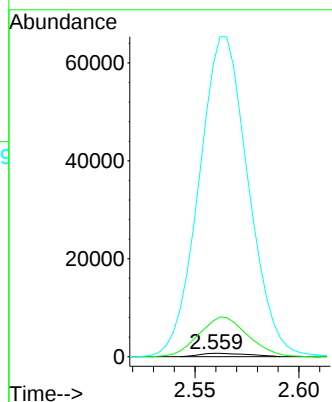
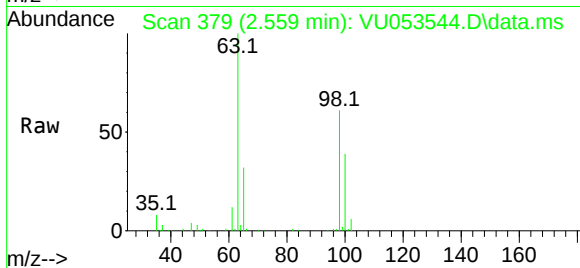
Tgt Ion: 96 Resp: 1146

Ion Ratio Lower Upper

96 100

61 1069.1 107.9 200.5#

63 8713.7 79.1 146.9#



#19

1,1-Dichloroethane

Concen: 1.878 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU053544.D

Acq: 04 Apr 2023 01:32

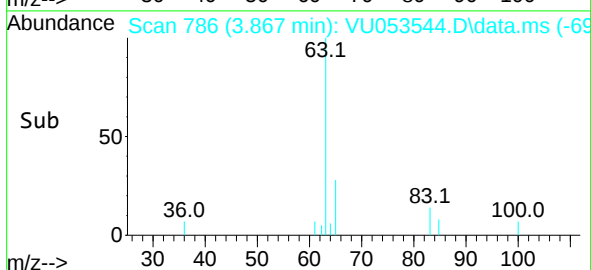
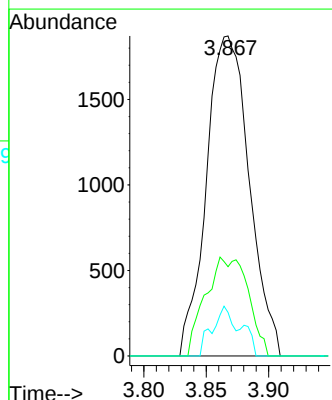
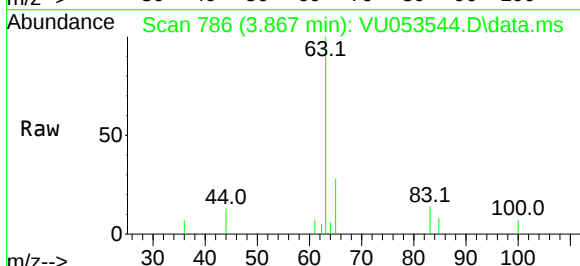
Tgt Ion: 63 Resp: 4468

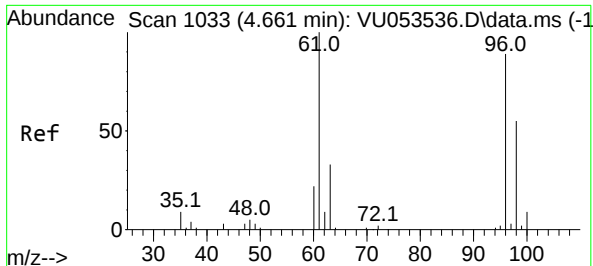
Ion Ratio Lower Upper

63 100

65 27.9 22.0 41.0

83 13.6 10.8 20.0

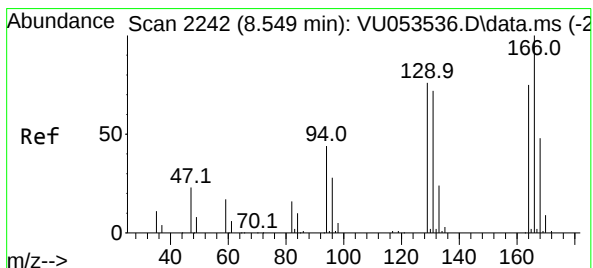
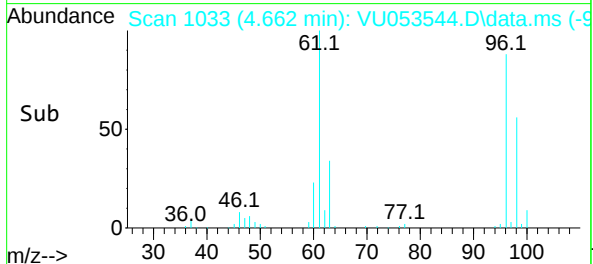
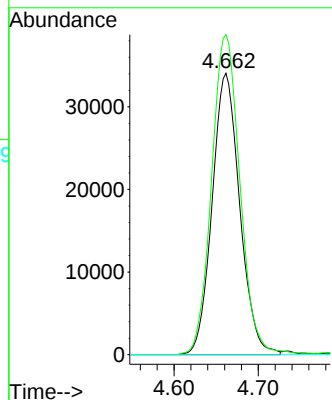
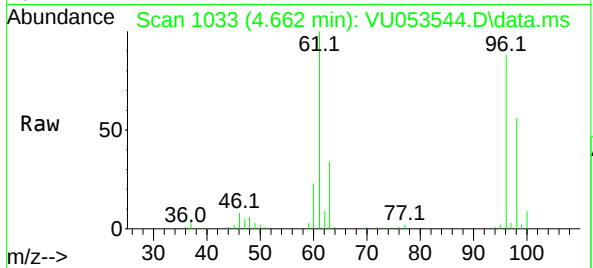




#20
 cis-1,2-Dichloroethene
 Concen: 46.668 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053544.D
 Acq: 04 Apr 2023 01:32

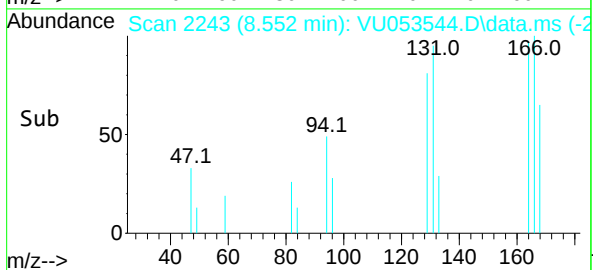
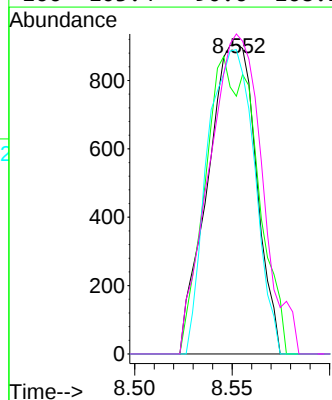
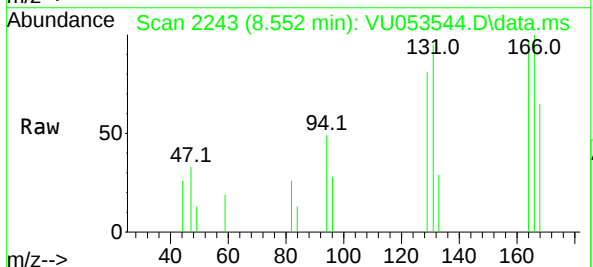
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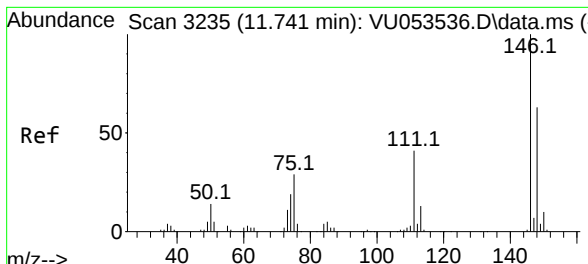
Tgt Ion: 96 Resp: 77423
 Ion Ratio Lower Upper
 96 100
 61 113.7 74.7 138.7
 68 0.0 0.0 0.0



#46
 Tetrachloroethene
 Concen: 1.111 ug/L
 RT: 8.552 min Scan# 2243
 Delta R.T. 0.003 min
 Lab File: VU053544.D
 Acq: 04 Apr 2023 01:32

Tgt Ion: 164 Resp: 1569
 Ion Ratio Lower Upper
 164 100
 129 83.3 64.0 119.0
 131 98.3 61.9 115.1
 166 103.4 90.6 168.2





#64

1,3-Dichlorobenzene

Concen: 2.870 ug/L

RT: 11.745 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053544.D

Acq: 04 Apr 2023 01:32

Instrument :

MSVOA_U

ClientSampleId :

MW-2(20230330)

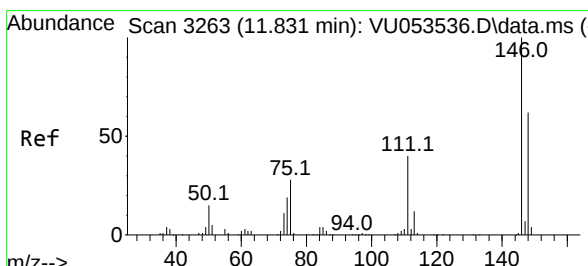
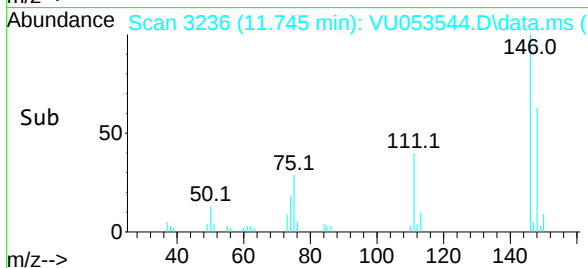
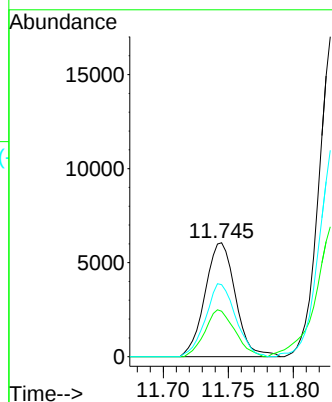
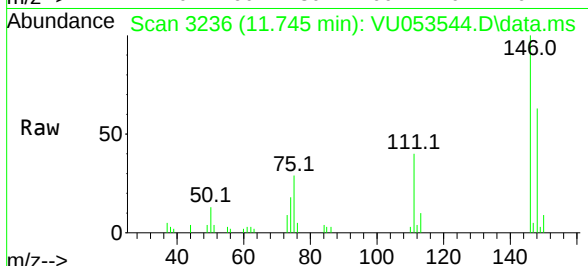
Tgt Ion:146 Resp: 9857

Ion Ratio Lower Upper

146 100

111 39.8 25.7 47.7

148 63.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 8.387 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053544.D

Acq: 04 Apr 2023 01:32

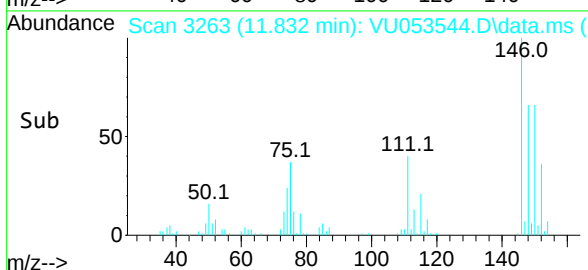
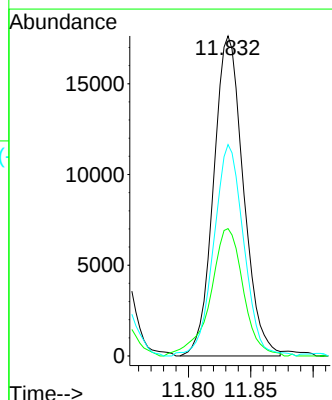
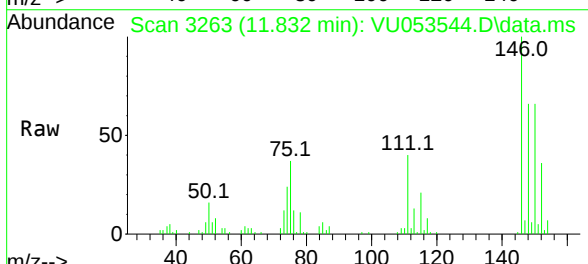
Tgt Ion:146 Resp: 29356

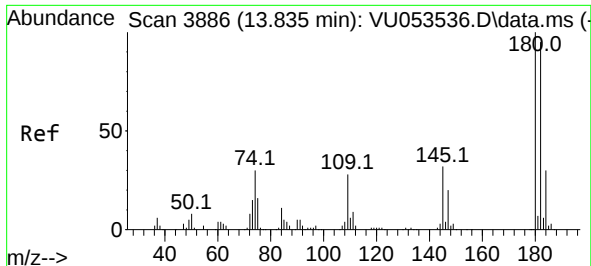
Ion Ratio Lower Upper

146 100

111 39.8 25.1 46.5

148 66.1 44.3 82.3





#70

1,2,4-trichlorobenzene

Concen: 12.205 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053544.D

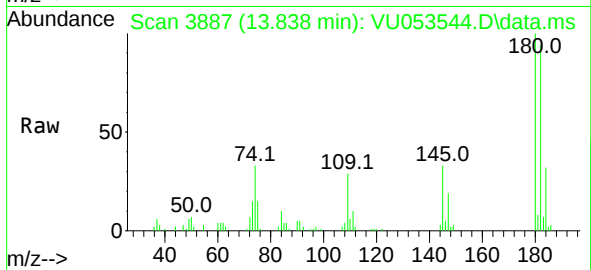
Acq: 04 Apr 2023 01:32

Instrument :

MSVOA_U

ClientSampleId :

MW-2(20230330)



Tgt Ion:180 Resp: 28776

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

145 32.3 23.4 35.2

