

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026084.D
 Acq On : 13 Aug 2018 21:53
 Operator : MD/SY
 Sample : J4451-06 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ8

Quant Time: Aug 14 02:55:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	275397	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	254692	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	109887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80355	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.84%
7) Chloroethane-d5	1.68	69	69192	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.70%
11) 1,1-Dichloroethene-d2	2.27	63	120267	31.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.88%
21) 2-Butanone-d5	4.17	46	139817	83.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.33%
24) Chloroform-d	4.65	84	185058	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
26) 1,2-Dichloroethane-d4	5.31	65	126470	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.72%
32) Benzene-d6	5.35	84	356049	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
36) 1,2-Dichloropropane-d6	6.33	67	115225	45.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.06%
41) Toluene-d8	7.57	98	317806	42.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.85	79	56559	43.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.74%
47) 2-Hexanone-d5	8.31	63	94297	81.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.13%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164035	43.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	125413	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

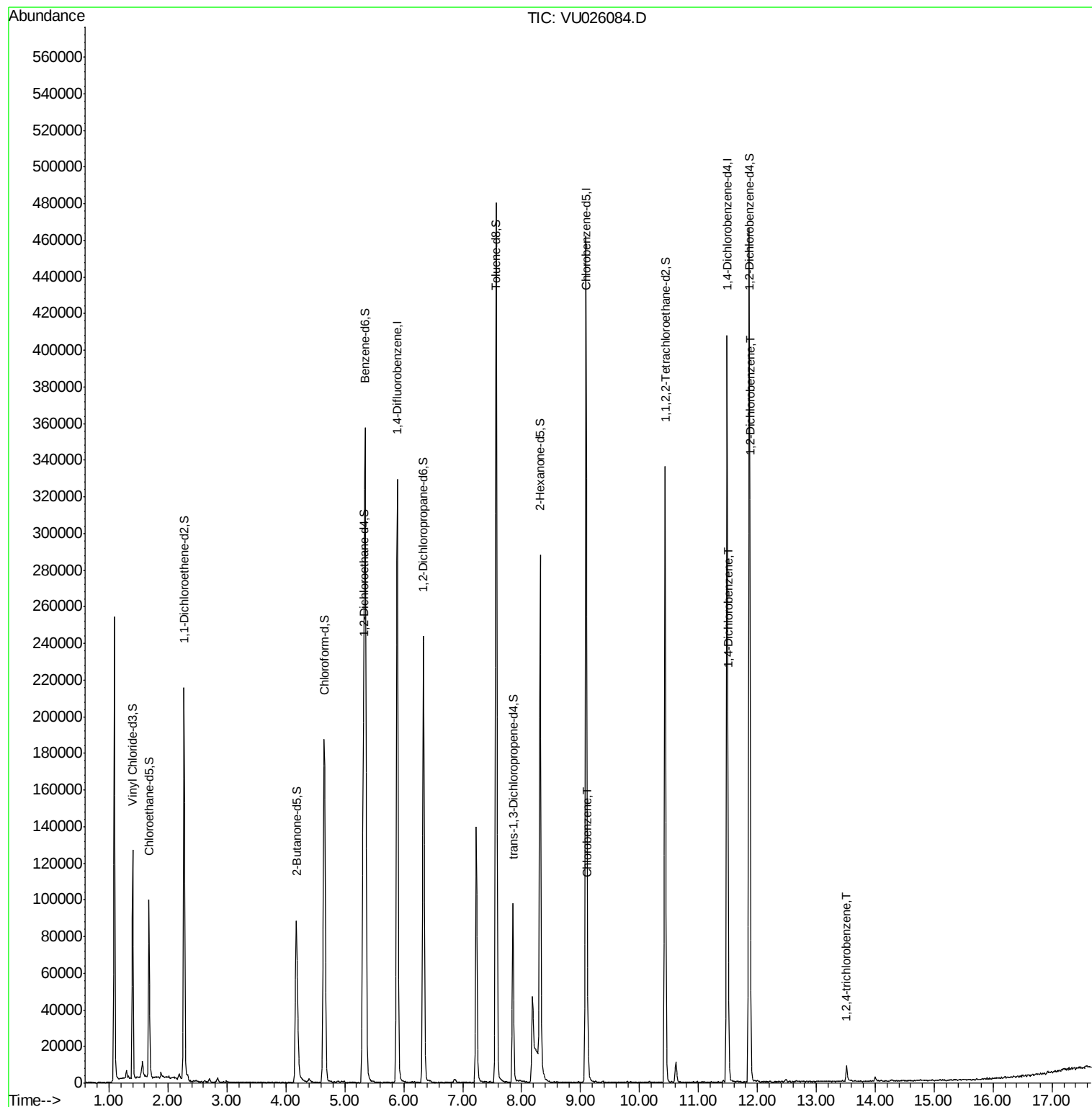
					Ovalue
51) Chlorobenzene	9.12	112	11785	2.27 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	6287	1.75 ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	7053	1.94 ug/L #	86
68) 1,2,4-trichlorobenzene	13.51	180	4518	2.09 ug/L	84

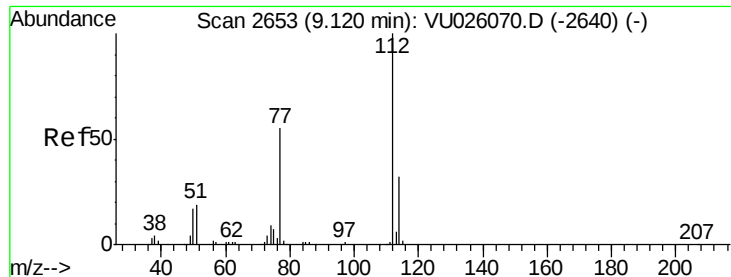
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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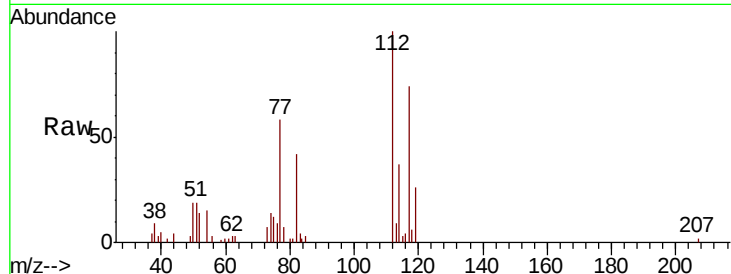




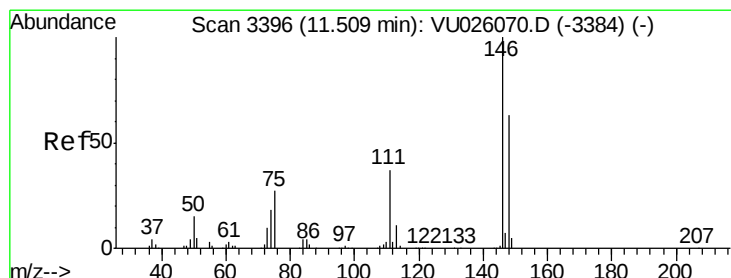
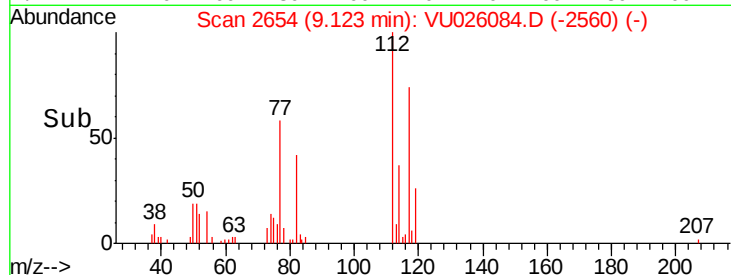
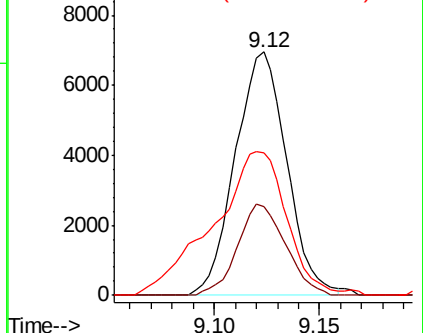
#51
Chlorobenzene
Concen: 2.27 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026084.D
Acq: 13 Aug 2018 21:53

Instrument :
MSVOA_U
ClientSampleId :
A4ZJ8

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.6	22.7	42.3
77	58.4	45.2	67.8

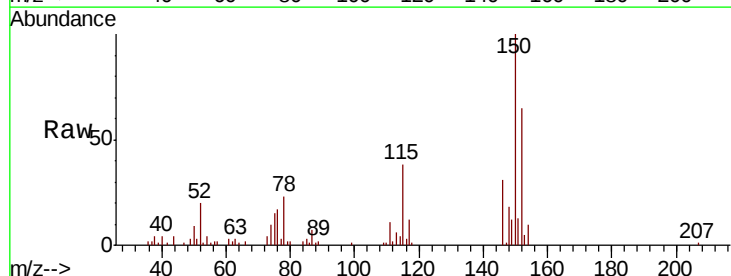


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

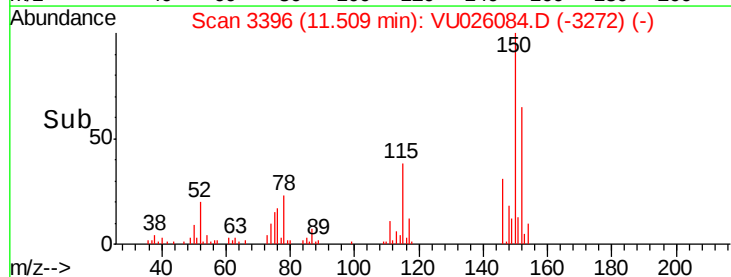
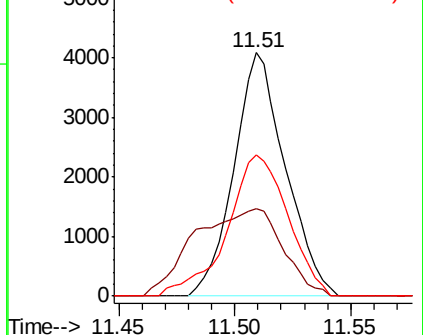


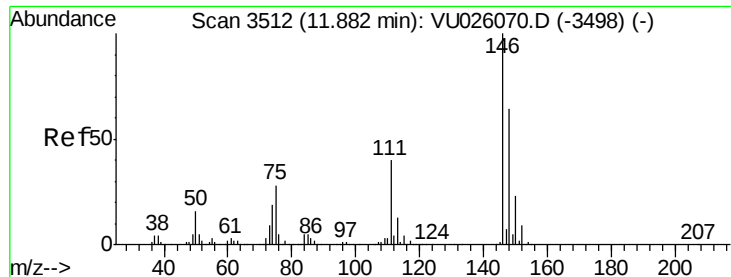
#63
1,4-Dichlorobenzene
Concen: 1.75 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VU026084.D
Acq: 13 Aug 2018 21:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.4	49.0
148	57.9	43.8	81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.94 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026084.D

Acq: 13 Aug 2018 21:53

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ8

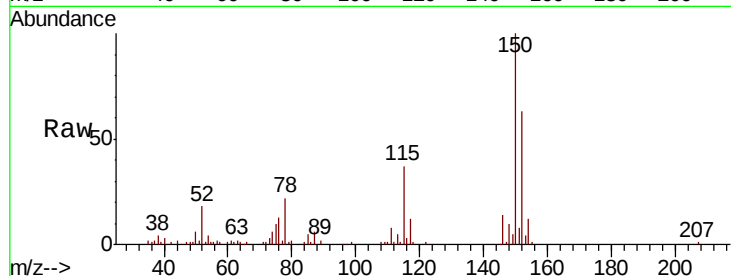
Tot Ion:146 Resp: 7053

Ion Ratio Lower Upper

146 100

111 54.6 32.4 48.6#

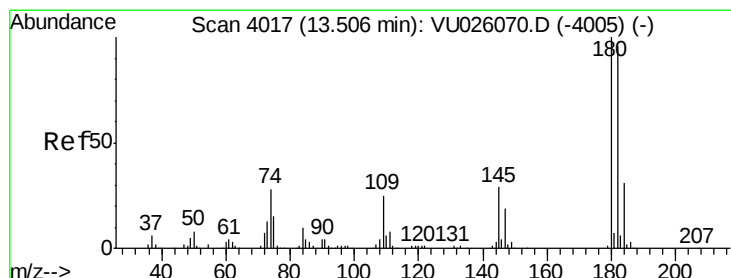
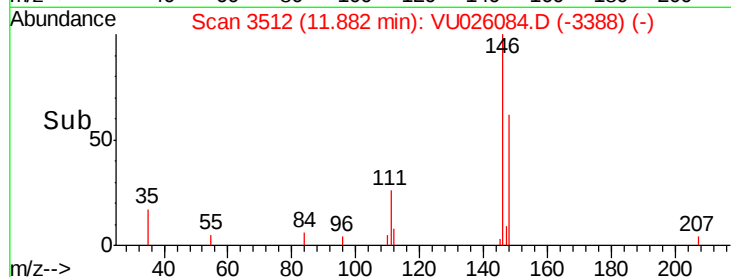
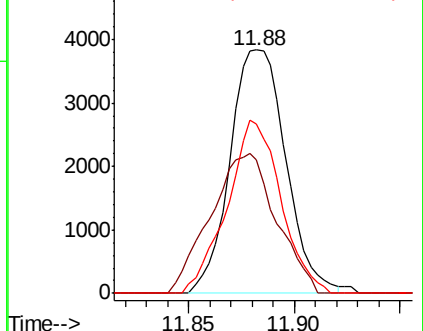
148 69.7 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 2.09 ug/L

RT: 13.51 min Scan# 4019

Delta R.T. 0.01 min

Lab File: VU026084.D

Acq: 13 Aug 2018 21:53

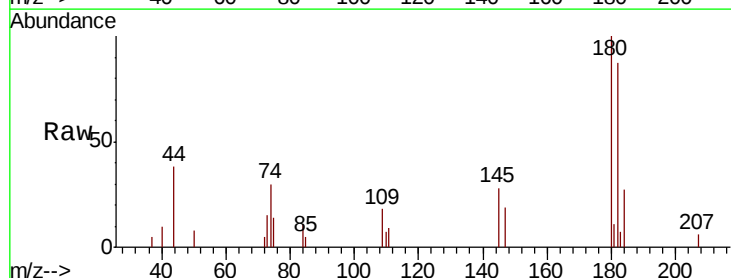
Tgt Ion:180 Resp: 4518

Ion Ratio Lower Upper

180 100

182 77.7 76.5 114.7

145 24.5 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

