

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026955.D
 Acq On : 20 Sep 2018 23:59
 Operator : MD/SY
 Sample : J5012-12 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q1

Quant Time: Sep 21 06:53:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	228637	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	201011	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80582	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.28%
7) Chloroethane-d5	1.67	69	71541	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.84%
11) 1,1-Dichloroethene-d2	2.27	63	110851	34.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.28%
21) 2-Butanone-d5	4.18	46	125919	112.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.19%
24) Chloroform-d	4.65	84	148340	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	5.31	65	96988	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
32) Benzene-d6	5.34	84	296490	52.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.26%
36) 1,2-Dichloropropane-d6	6.33	67	99177	54.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.28%
41) Toluene-d8	7.57	98	242545	47.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.32%
43) trans-1,3-Dichloropropene-	7.85	79	40193	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.31	63	89031	124.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135833	53.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	94107	59.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.58%

Target Compounds

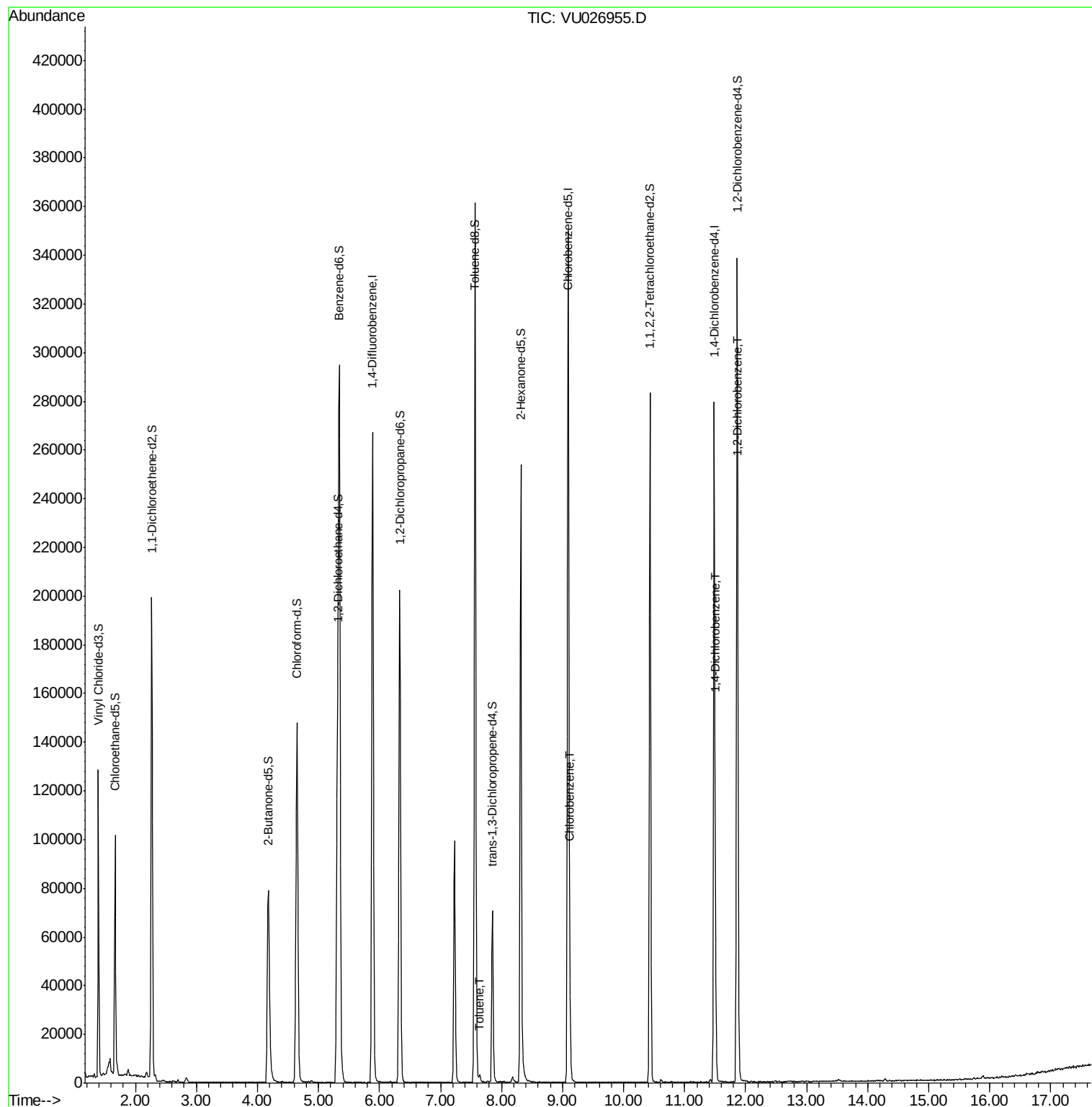
					Ovalue
42) Toluene	7.64	91	2547	0.404 ug/L	95
51) Chlorobenzene	9.12	112	17746	4.147 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	12202	4.805 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	10553	4.132 ug/L #	95

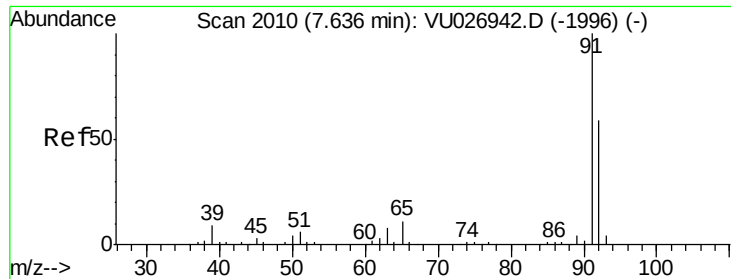
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#42

Toluene

Concen: 0.404 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026955.D

Acq: 20 Sep 2018 23:59

Instrument :

MSVOA_U

ClientSampled :

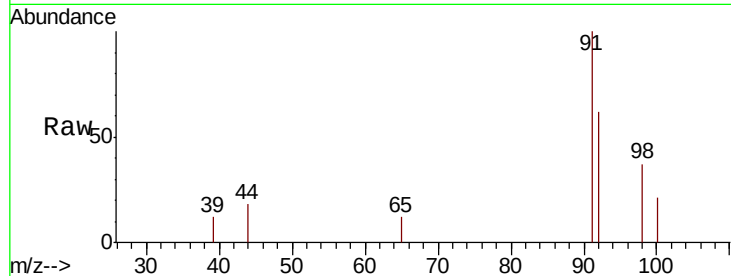
C08Q1

Tot Ion: 91 Resp: 2547

Ion Ratio Lower Upper

91 100

92 62.1 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

1500

1000

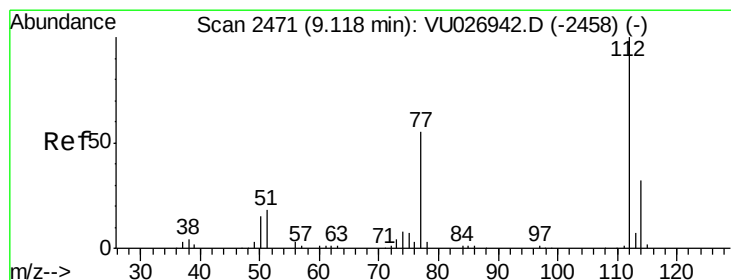
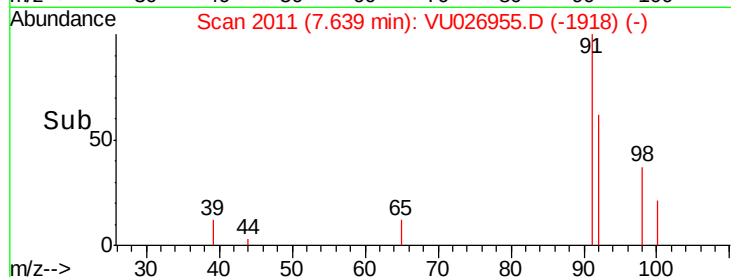
500

0

7.60 7.65 7.70

7.64

Time-->



#51

Chlorobenzene

Concen: 4.147 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026955.D

Acq: 20 Sep 2018 23:59

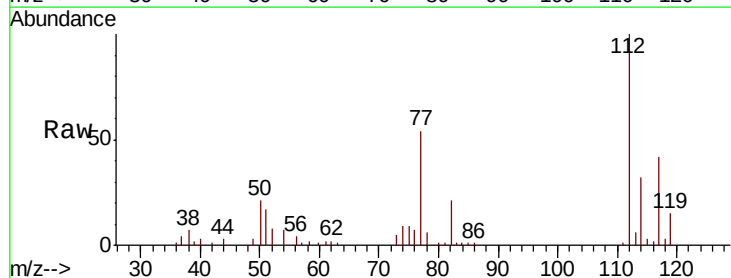
Tgt Ion: 112 Resp: 17746

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 53.6 45.1 67.7



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): VU0

10000

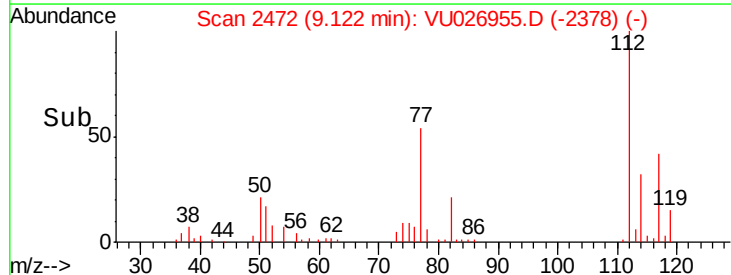
5000

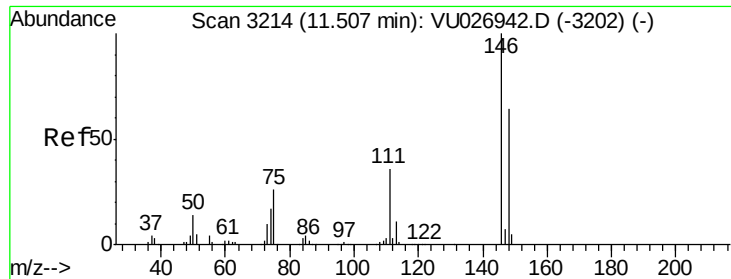
0

9.05 9.10 9.15 9.20

9.12

Time-->





#63

1,4-Dichlorobenzene

Concen: 4.805 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026955.D

Acq: 20 Sep 2018 23:59

Instrument :

MSVOA_U

ClientSampleId :

C08Q1

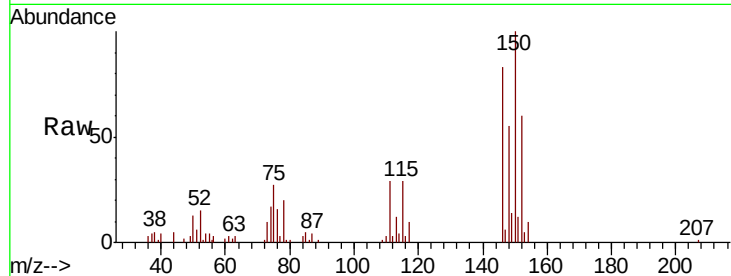
Tot Ion:146 Resp: 12202

Ion Ratio Lower Upper

146 100

111 34.3 26.0 48.2

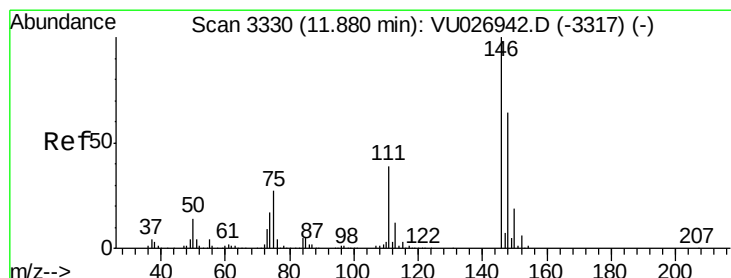
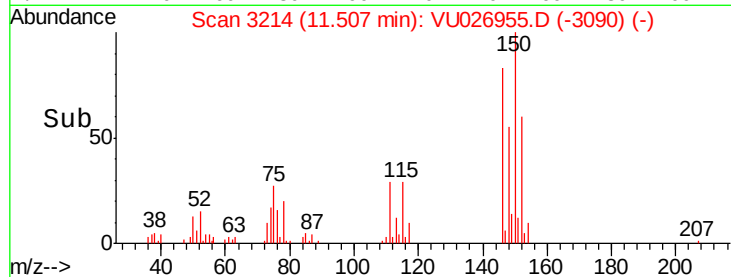
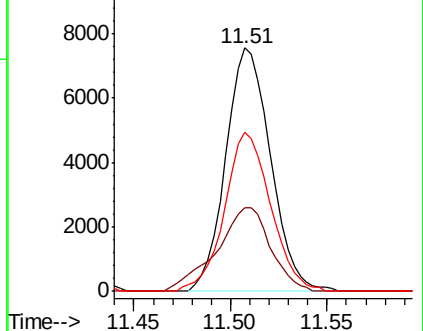
148 65.3 45.8 85.2



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: 4.132 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

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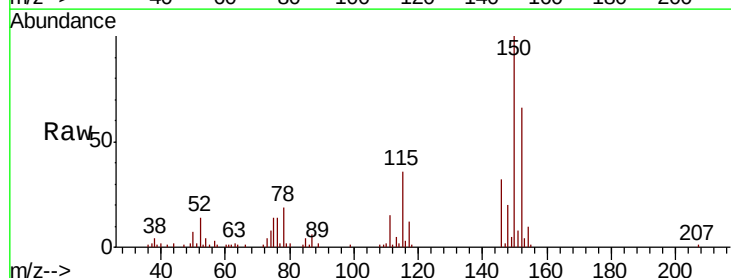
Tgt Ion:146 Resp: 10553

Ion Ratio Lower Upper

146 100

111 47.2 31.4 47.0#

148 64.4 51.4 77.2



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

