

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\  
 Data File : VU026120.D  
 Acq On : 14 Aug 2018 23:34  
 Operator : MD/SY  
 Sample : J4402-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZH7

Quant Time: Aug 16 02:05:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 16 01:50:34 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	251907	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	101219	50.00	ug/L	0.00

## System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61495	33.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.80%
7) Chloroethane-d5	1.68	69	55779	38.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.42%
11) 1,1-Dichloroethene-d2	2.27	63	94342	26.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.92%#
21) 2-Butanone-d5	4.18	46	131066	85.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.40%
24) Chloroform-d	4.65	84	164498	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.26%
26) 1,2-Dichloroethane-d4	5.31	65	112214	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.08%
32) Benzene-d6	5.35	84	300968	40.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.14%
36) 1,2-Dichloropropane-d6	6.33	67	103773	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.48%
41) Toluene-d8	7.57	98	262853	37.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.08%#
43) trans-1,3-Dichloropropene-	7.85	79	46799	38.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.40%
47) 2-Hexanone-d5	8.31	63	88533	81.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.21%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	151197	43.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	110023	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%

## Target Compounds

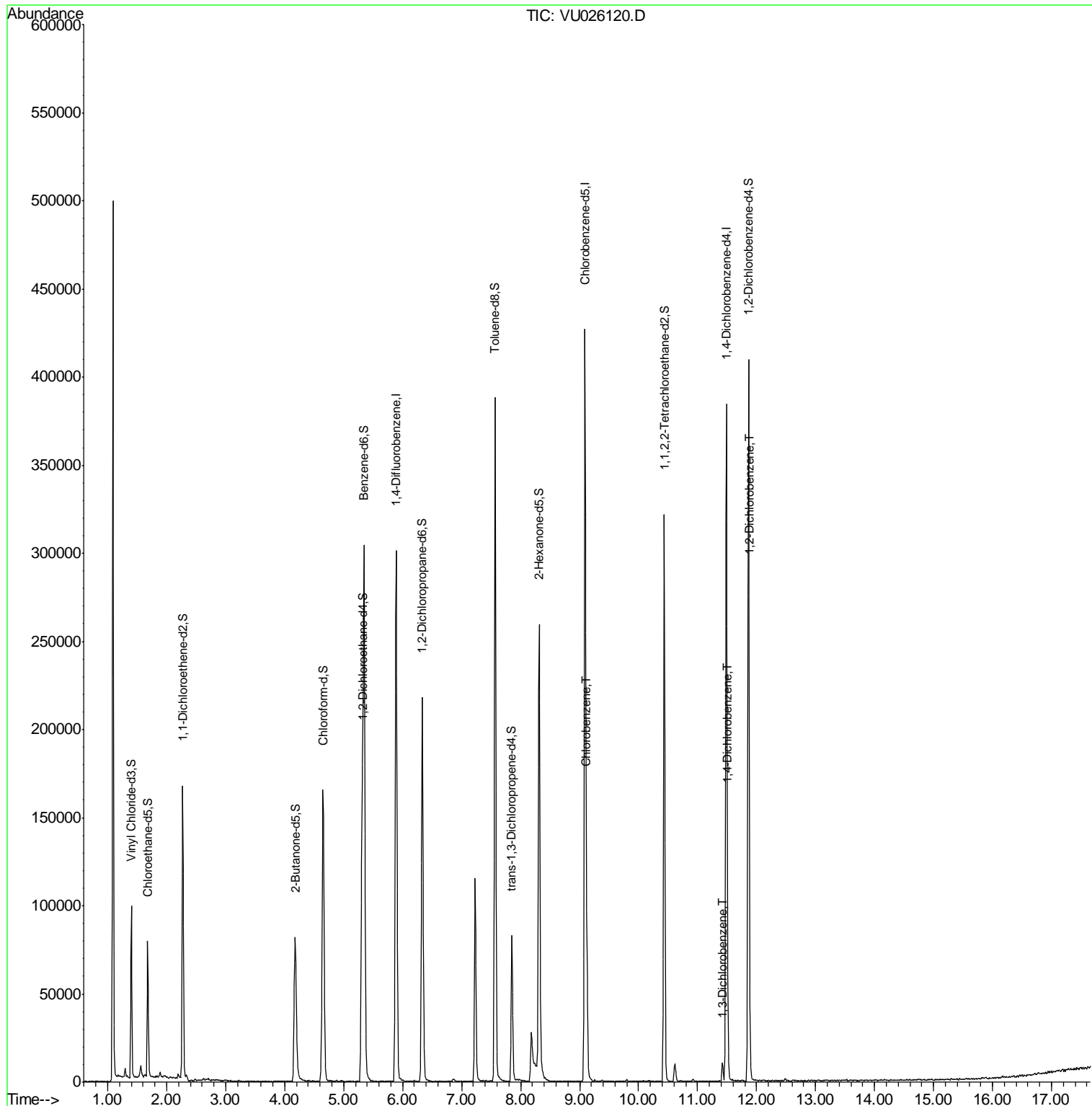
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	40957	8.41	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	4583	1.45	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	14444	4.37	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	7062	2.11	ug/L #	89

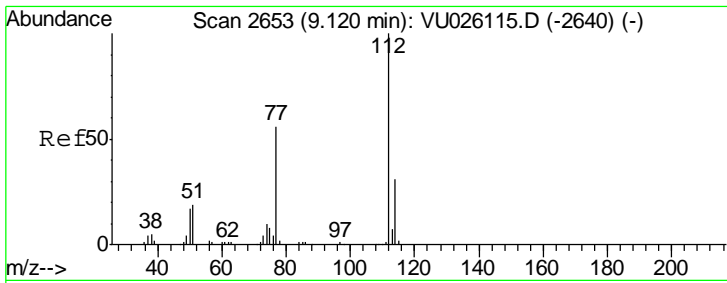
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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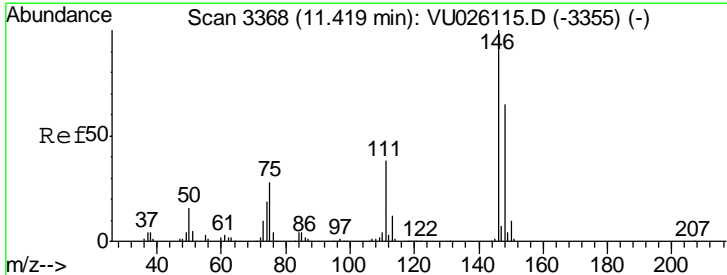
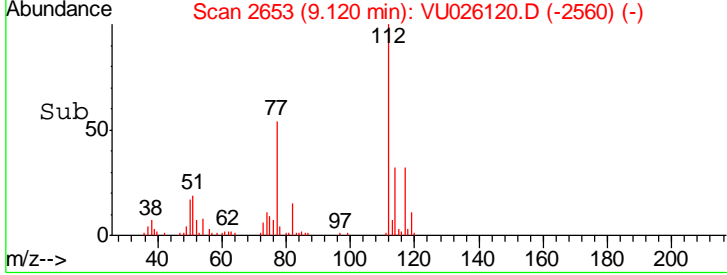
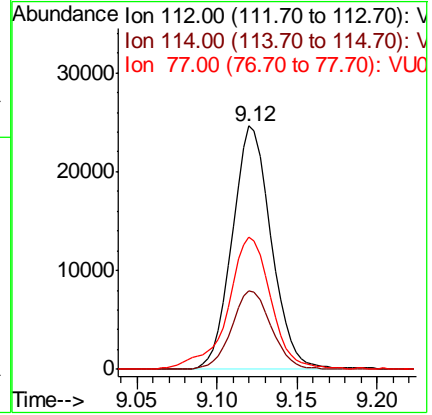
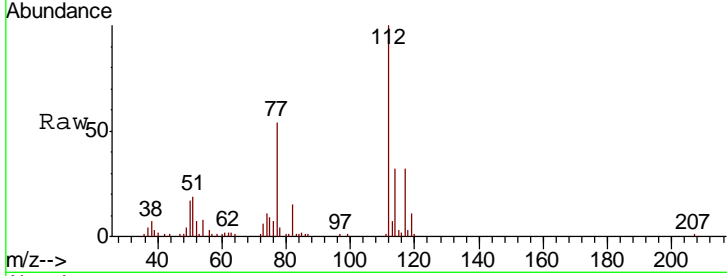




#51  
 Chlorobenzene  
 Concen: 8.41 ug/L  
 RT: 9.12 min Scan# 2653  
 Delta R.T. -0.00 min  
 Lab File: VU026120.D  
 Acq: 14 Aug 2018 23:34

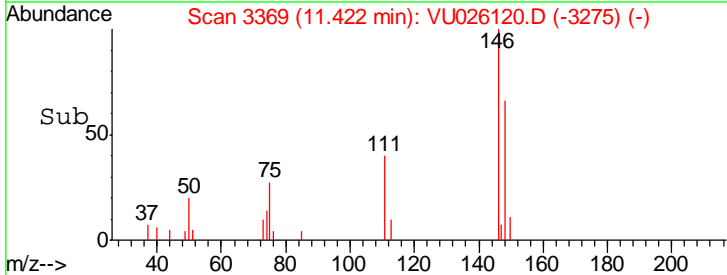
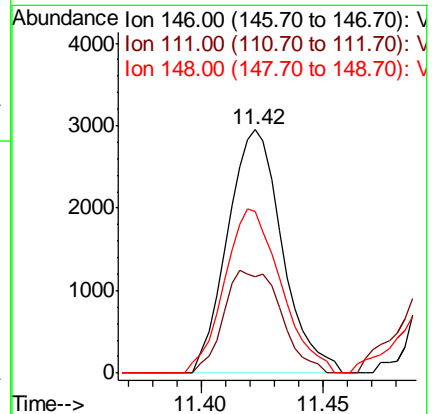
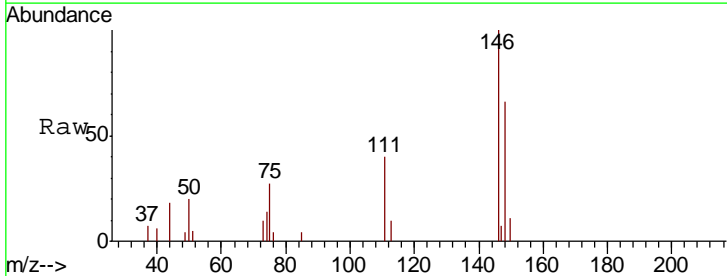
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 A4ZH7

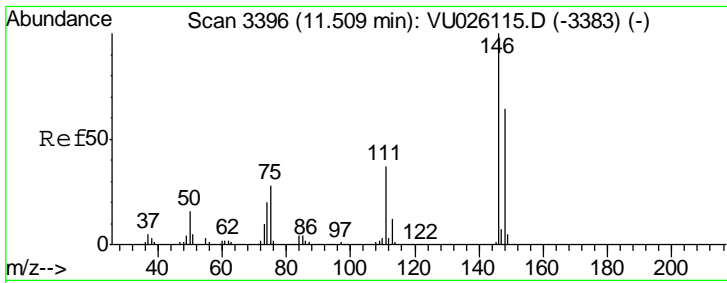
Tgt Ion	Resp	Lower	Upper
112	40957		
114	32.1	22.7	42.3
77	54.1	45.2	67.8



#62  
 1,3-Dichlorobenzene  
 Concen: 1.45 ug/L  
 RT: 11.42 min Scan# 3369  
 Delta R.T. 0.00 min  
 Lab File: VU026120.D  
 Acq: 14 Aug 2018 23:34

Tgt Ion	Resp	Lower	Upper
146	4583		
111	39.7	27.9	51.9
148	66.5	46.0	85.4

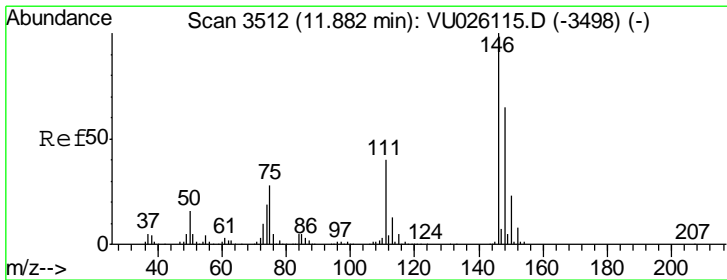
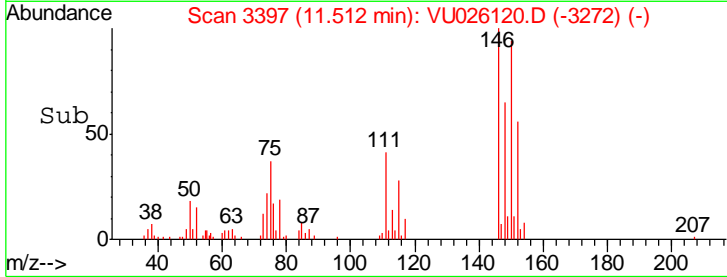
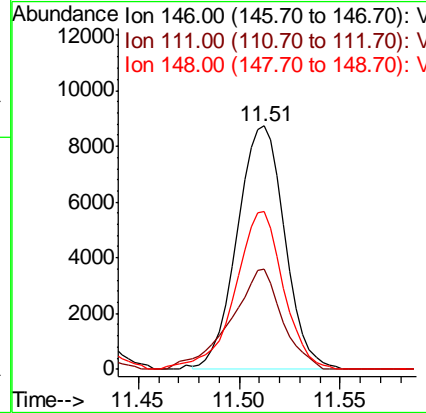
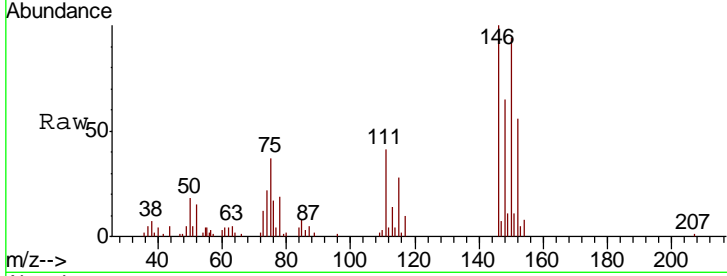




#63  
 1,4-Dichlorobenzene  
 Concen: 4.37 ug/L  
 RT: 11.51 min Scan# 3397  
 Delta R.T. 0.00 min  
 Lab File: VU026120.D  
 Acq: 14 Aug 2018 23:34

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 A4ZH7

Tgt Ion	Resp	Lower	Upper
146	14444		
111	41.1	26.4	49.0
148	64.6	43.8	81.4



#65  
 1,2-Dichlorobenzene  
 Concen: 2.11 ug/L  
 RT: 11.88 min Scan# 3512  
 Delta R.T. -0.00 min  
 Lab File: VU026120.D  
 Acq: 14 Aug 2018 23:34

Tgt Ion	Resp	Lower	Upper
146	7062		
111	52.2	32.4	48.6#
148	67.3	50.1	75.1

