

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026114.D
 Acq On : 14 Aug 2018 20:45
 Operator : MD/SY
 Sample : J4402-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ2

Quant Time: Aug 16 01:45:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:12:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	247507	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	233517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	101322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66450	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.46%
7) Chloroethane-d5	1.68	69	62579	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.26%
11) 1,1-Dichloroethene-d2	2.27	63	106004	30.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.68%
21) 2-Butanone-d5	4.18	46	141771	94.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.02%
24) Chloroform-d	4.65	84	181180	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
26) 1,2-Dichloroethane-d4	5.31	65	125011	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
32) Benzene-d6	5.35	84	332269	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
36) 1,2-Dichloropropane-d6	6.33	67	114541	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.57	98	291743	42.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.10%
43) trans-1,3-Dichloropropene-	7.85	79	52955	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
47) 2-Hexanone-d5	8.31	63	97198	91.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.21%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	166393	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	123654	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

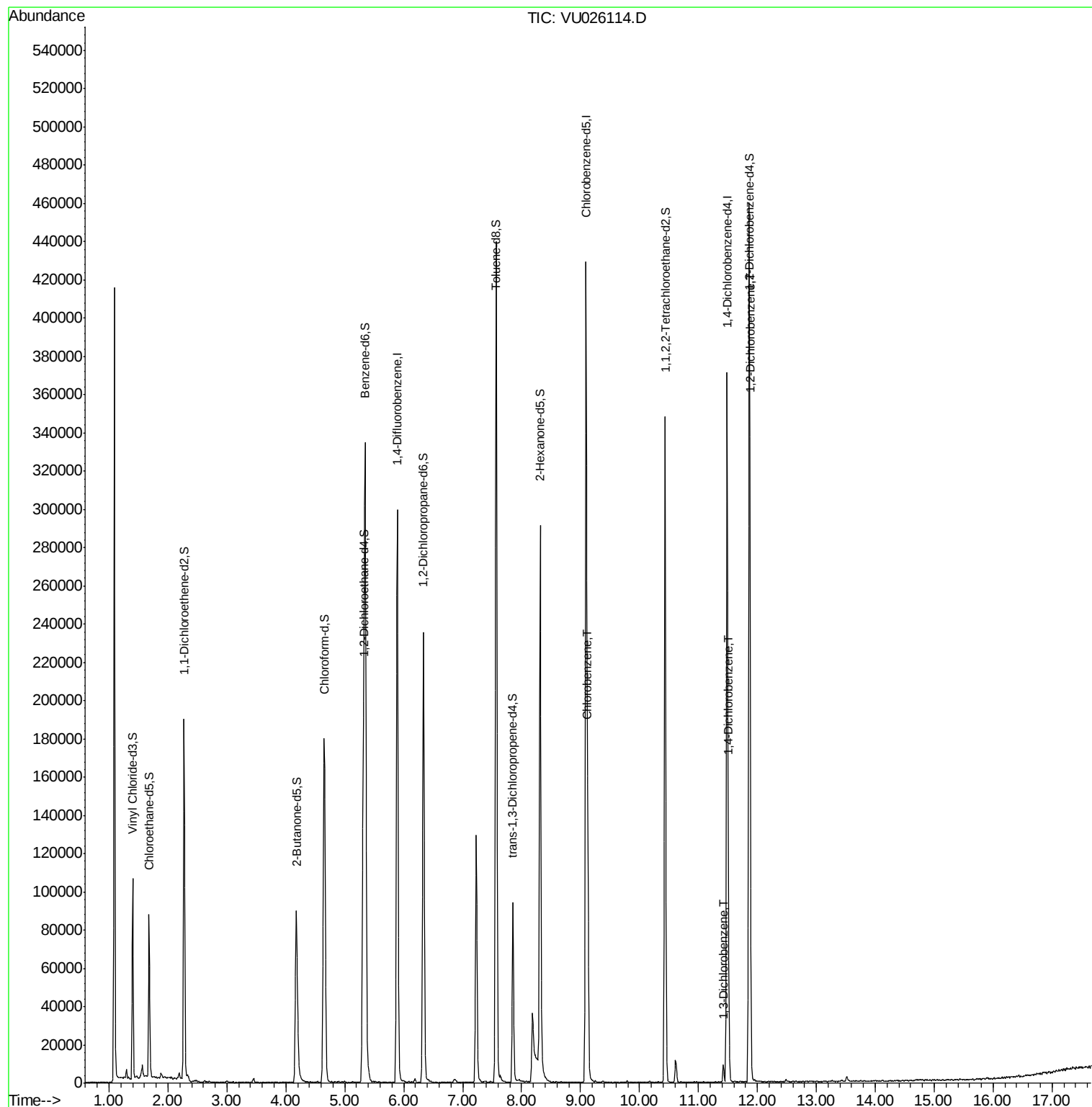
Target Compounds						Ovalue
51) Chlorobenzene	9.12	112	74258	15.60	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	4356	1.38	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	14410	4.36	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	18520	5.52	ug/L	97

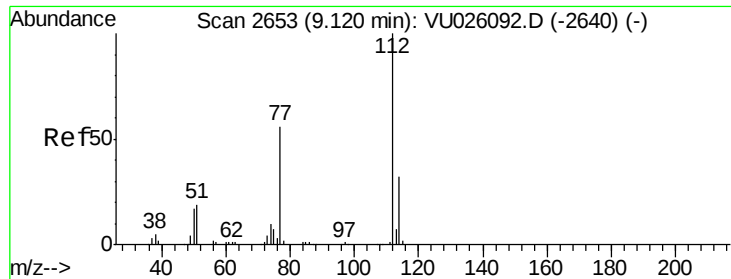
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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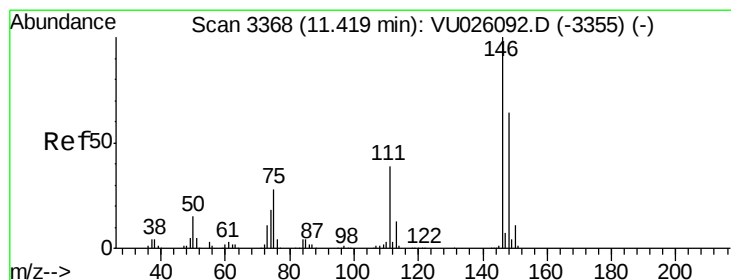
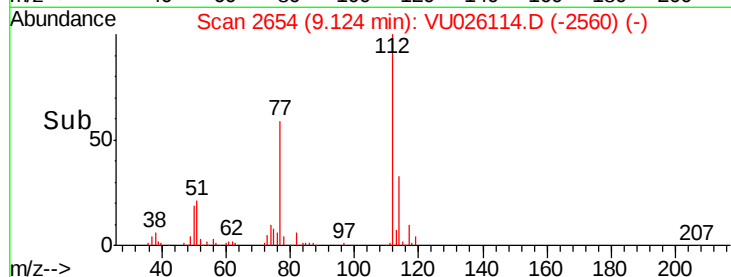
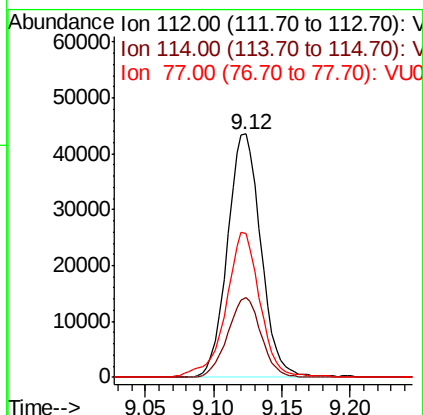
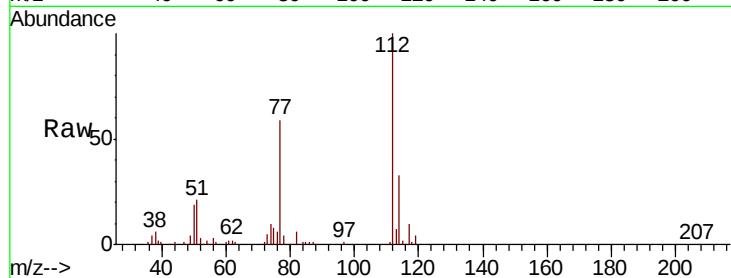




#51
Chlorobenzene
Concen: 15.60 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026114.D
Acq: 14 Aug 2018 20:45

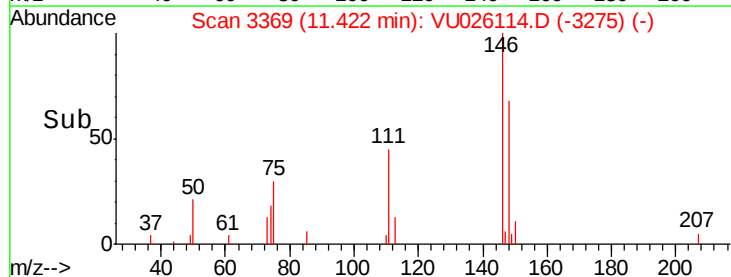
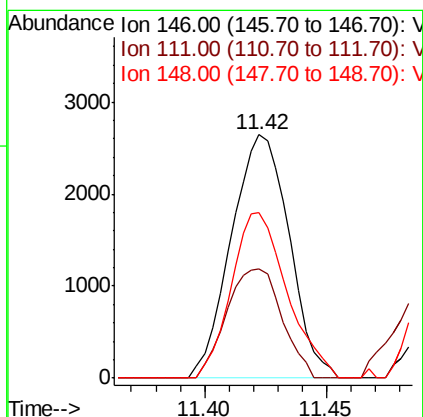
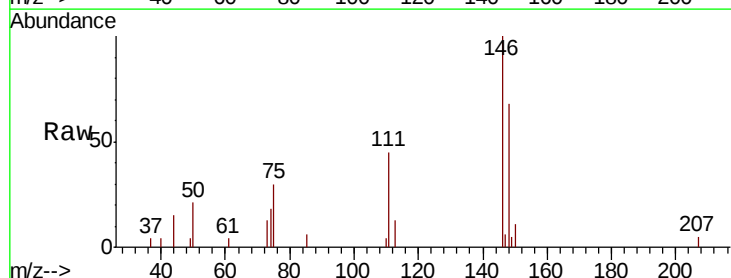
Instrument :
MSVOA_U
ClientSampleId :
A4ZJ2

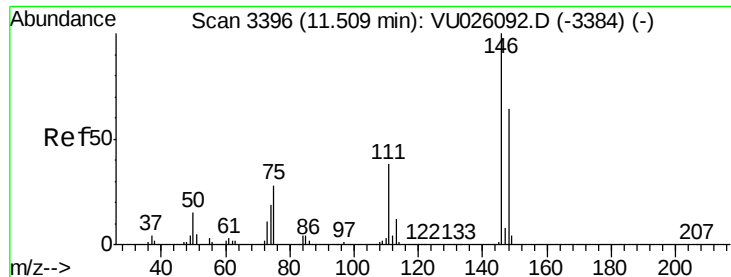
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.7	42.3
77	59.2	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 1.38 ug/L
RT: 11.42 min Scan# 3369
Delta R.T. 0.00 min
Lab File: VU026114.D
Acq: 14 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	27.9	51.9
148	67.8	46.0	85.4

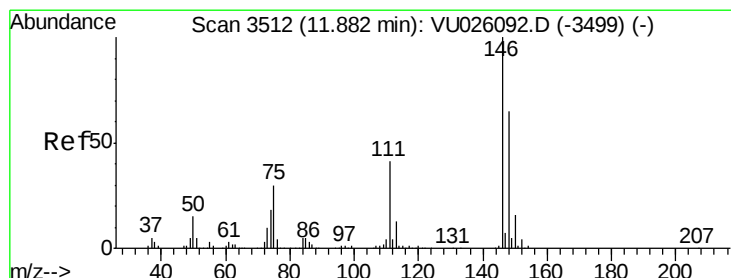
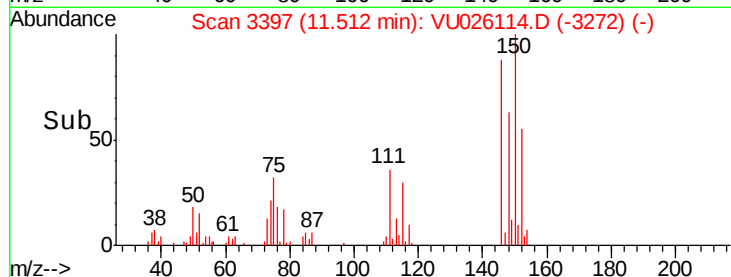
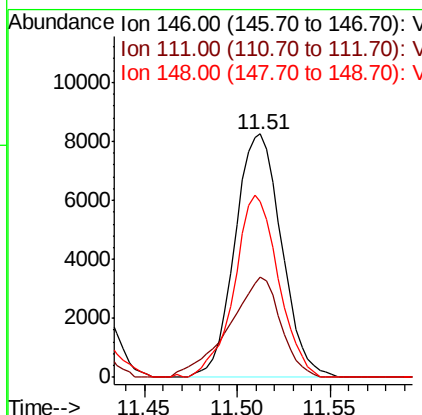
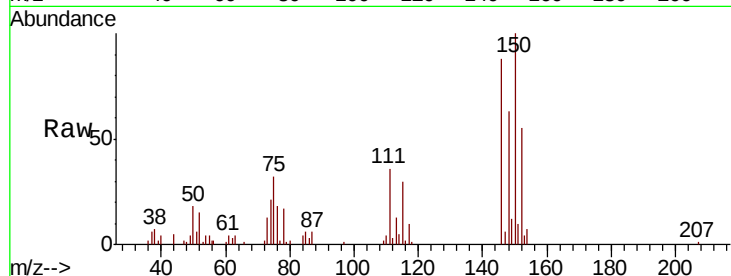




#63
1,4-Dichlorobenzene
Concen: 4.36 ug/L
RT: 11.51 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VU026114.D
Acq: 14 Aug 2018 20:45

Instrument :
MSVOA_U
ClientSampled :
A4ZJ2

Tot Ion:146 Resp: 14410
Ion Ratio Lower Upper
146 100
111 41.0 26.4 49.0
148 72.2 43.8 81.4



#65
1,2-Dichlorobenzene
Concen: 5.52 ug/L
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU026114.D
Acq: 14 Aug 2018 20:45

Tgt Ion:146 Resp: 18520
Ion Ratio Lower Upper
146 100
111 43.1 32.4 48.6
148 64.0 50.1 75.1

