

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026122.D
 Acq On : 15 Aug 2018 00:23
 Operator : MD/SY
 Sample : J4402-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH9

Quant Time: Aug 16 10:02:44 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	242516	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	232067	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	99570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60051	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.76%
7) Chloroethane-d5	1.68	69	54761	38.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.92%
11) 1,1-Dichloroethene-d2	2.27	63	97245	28.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.74%#
21) 2-Butanone-d5	4.18	46	147974	100.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.15%
24) Chloroform-d	4.65	84	162382	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	114478	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.16%
32) Benzene-d6	5.35	84	300785	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.48%
36) 1,2-Dichloropropane-d6	6.33	67	104031	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.24%
41) Toluene-d8	7.57	98	262240	38.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.08%#
43) trans-1,3-Dichloropropene-	7.85	79	45997	39.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.30%
47) 2-Hexanone-d5	8.31	63	103624	97.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.84%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	156471	45.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	114142	46.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.00%

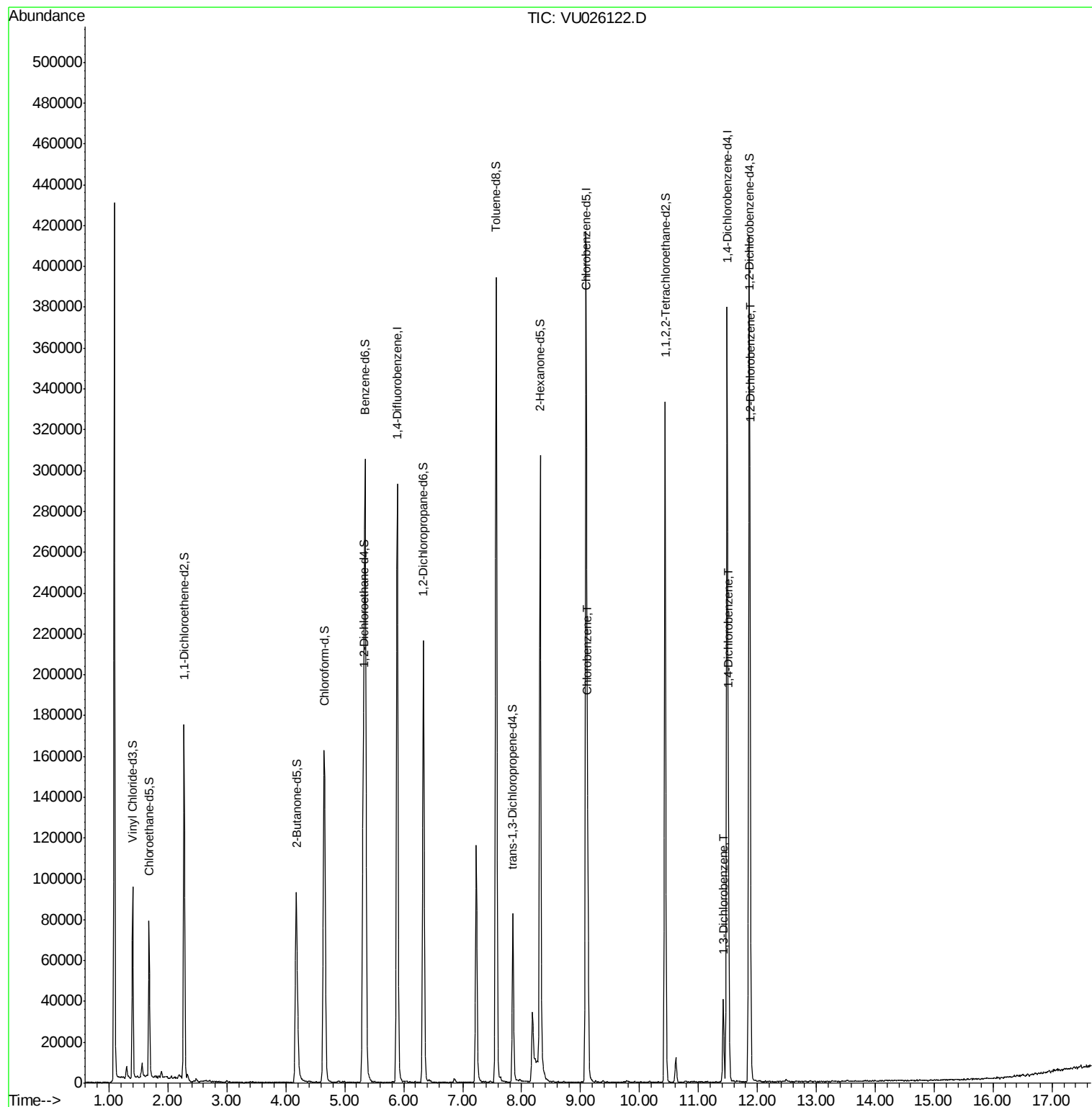
Target Compounds						Ovalue
51) Chlorobenzene	9.12	112	62318	13.17	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	17419	5.62	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	30024	9.24	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	17804	5.40	ug/L	97

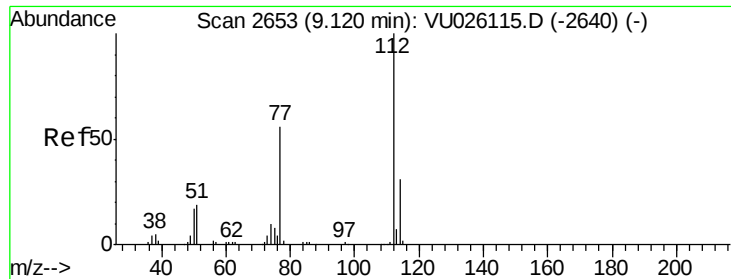
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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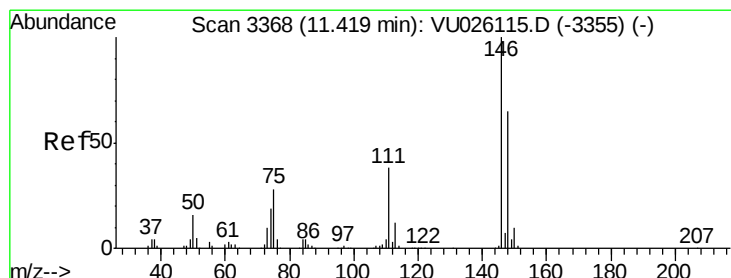
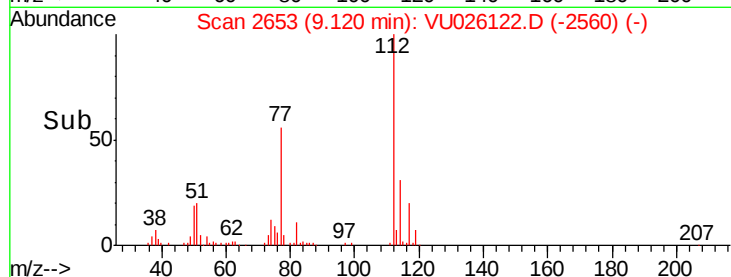
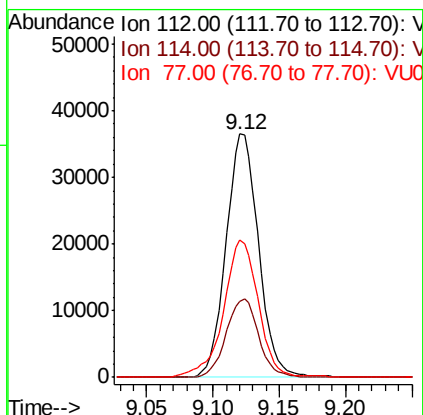
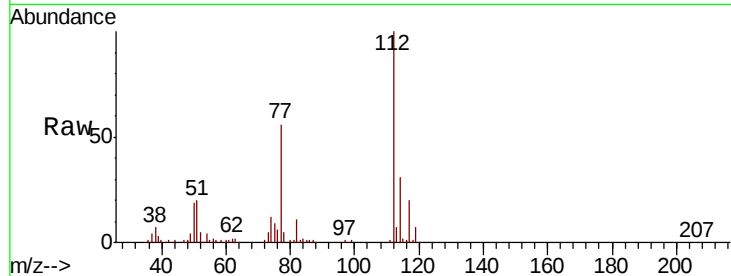




#51
Chlorobenzene
Concen: 13.17 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026122.D
Acq: 15 Aug 2018 00:23

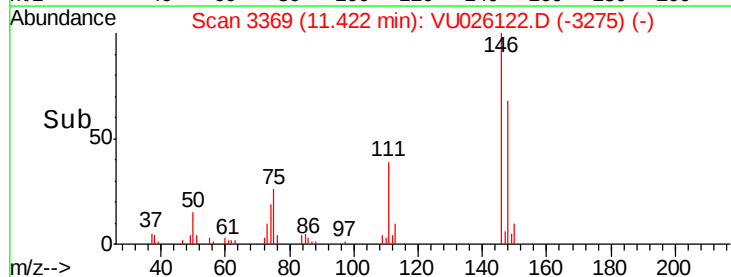
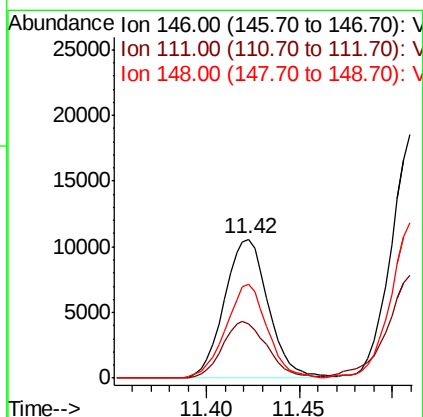
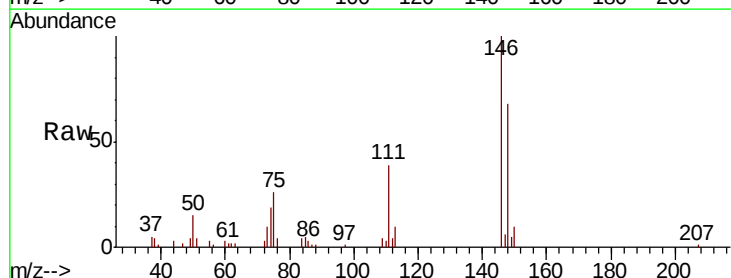
Instrument :
MSVOA_U
ClientSampleId :
A4ZH9

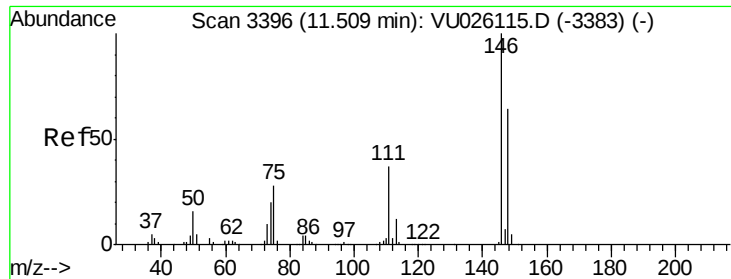
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.7	42.3
77	56.3	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 5.62 ug/L
RT: 11.42 min Scan# 3369
Delta R.T. 0.00 min
Lab File: VU026122.D
Acq: 15 Aug 2018 00:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.9	51.9
148	67.7	46.0	85.4

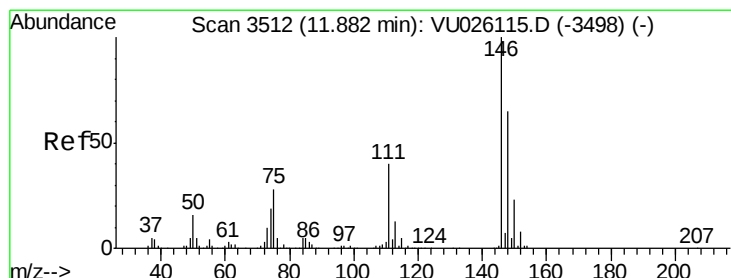
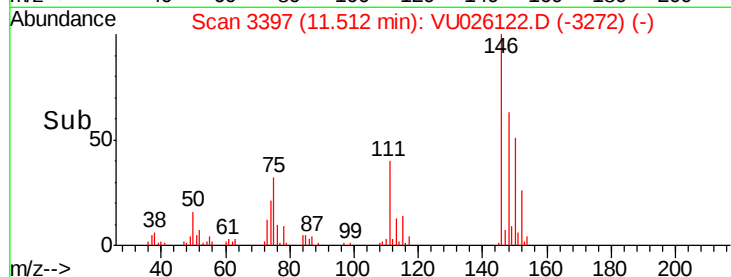
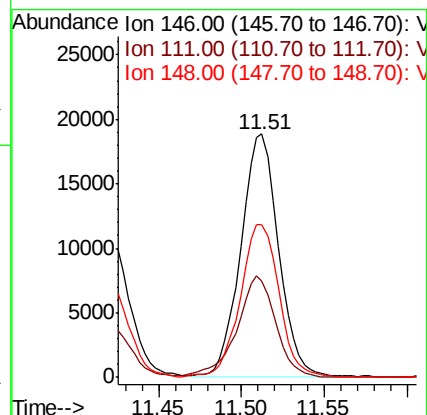
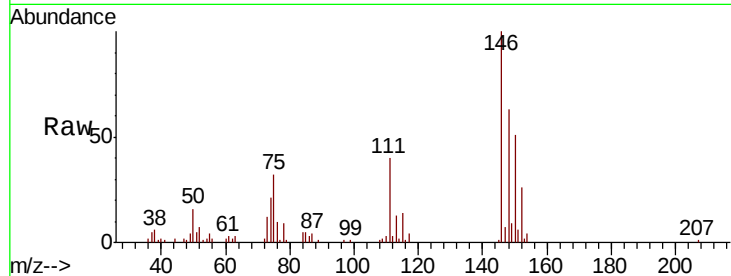




#63
 1,4-Dichlorobenzene
 Concen: 9.24 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU026122.D
 Acq: 15 Aug 2018 00:23

Instrument :
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 ClientSampleId :
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Tot Ion:146 Resp: 30024
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.4 49.0
 148 62.7 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 5.40 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026122.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:146 Resp: 17804
 Ion Ratio Lower Upper
 146 100
 111 44.5 32.4 48.6
 148 63.0 50.1 75.1

