

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026121.D
 Acq On : 14 Aug 2018 23:59
 Operator : MD/SY
 Sample : J4402-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH8

Quant Time: Aug 16 02:07:13 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	249793	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	239129	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	106813	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61518	33.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.38%
7) Chloroethane-d5	1.68	69	56878	39.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.58%
11) 1,1-Dichloroethene-d2	2.27	63	95268	27.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.92%#
21) 2-Butanone-d5	4.18	46	150166	98.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.65	84	165035	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.31	65	112990	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.35	84	306475	41.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.54%
36) 1,2-Dichloropropane-d6	6.33	67	105515	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.84%
41) Toluene-d8	7.57	98	267815	37.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.40%#
43) trans-1,3-Dichloropropene-	7.85	79	46428	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.70%
47) 2-Hexanone-d5	8.31	63	106804	97.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.87%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164285	46.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	118124	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%

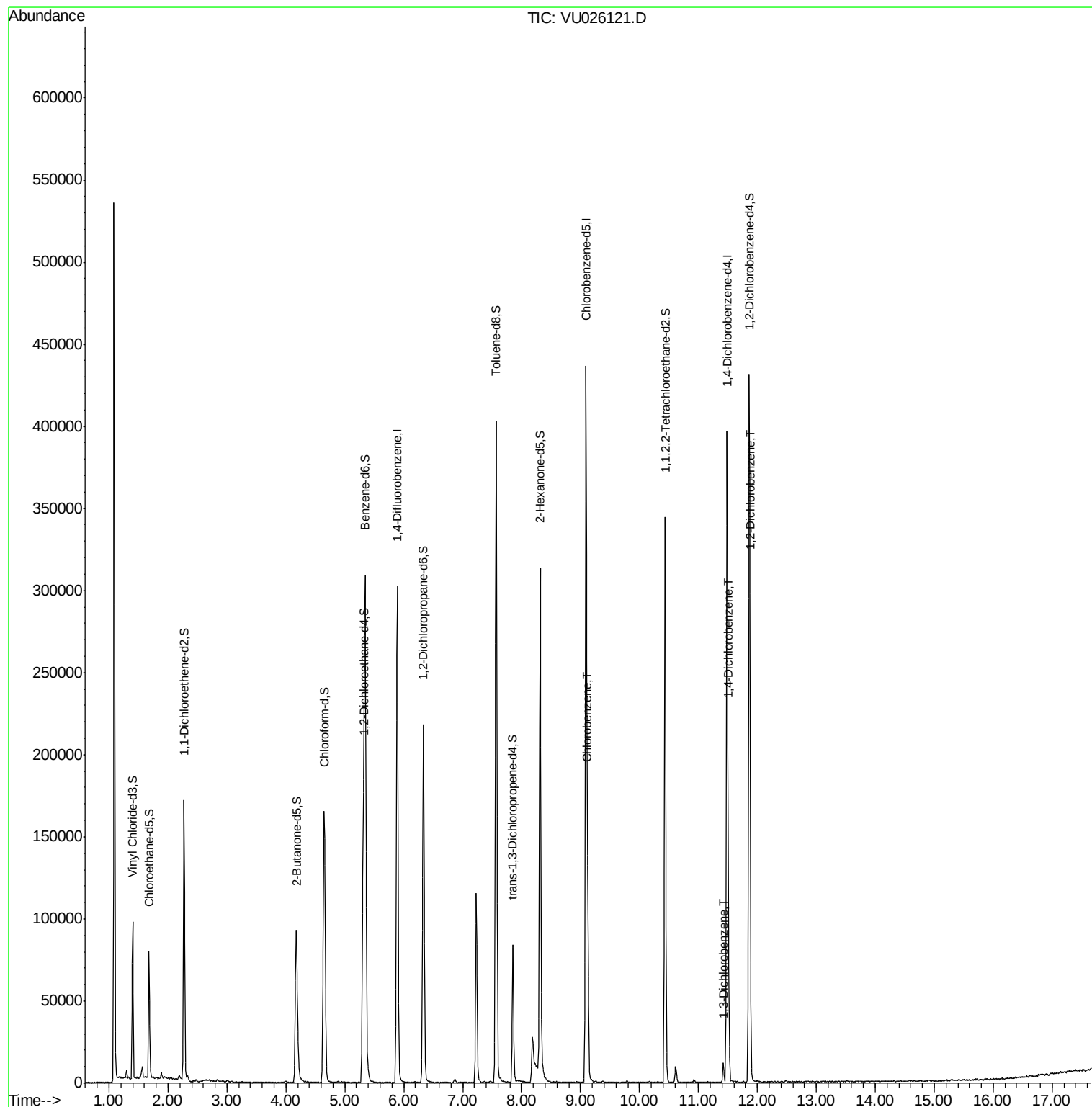
Target Compounds						Ovalue
51) Chlorobenzene	9.12	112	59866	12.28	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	5482	1.65	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	19568	5.61	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	8710	2.46	ug/L	97

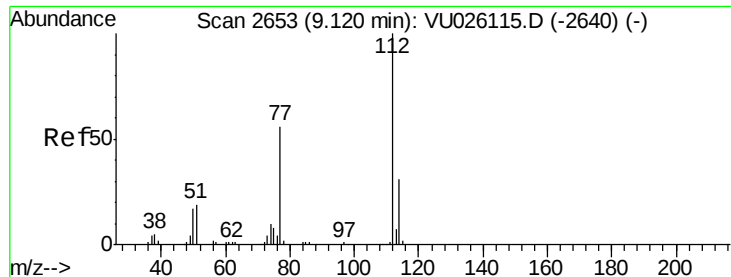
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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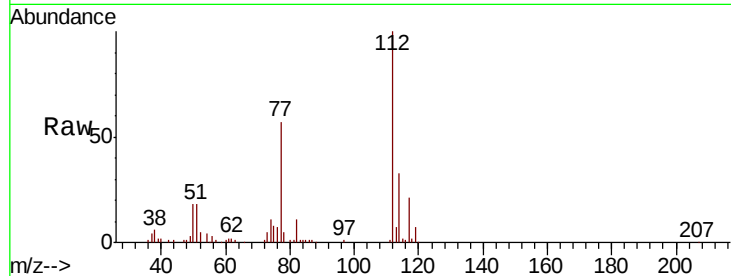




#51
Chlorobenzene
Concen: 12.28 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026121.D
Acq: 14 Aug 2018 23:59

Instrument :
MSVOA_U
ClientSampleId :
A4ZH8

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.7	42.3
77	57.1	45.2	67.8

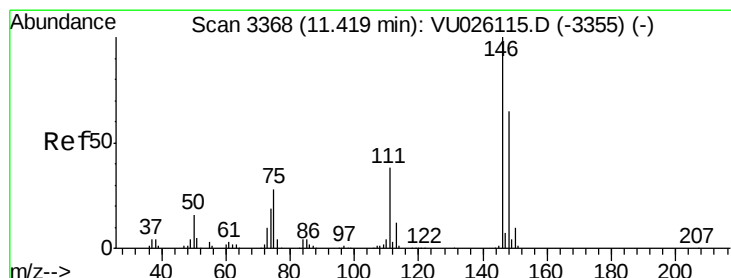
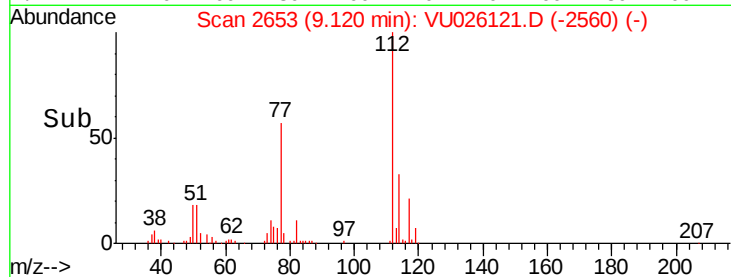
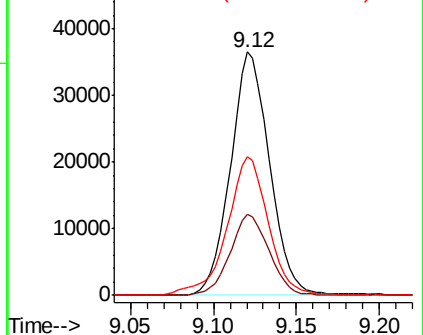


Abundance

Ion 112.00 (111.70 to 112.70): V

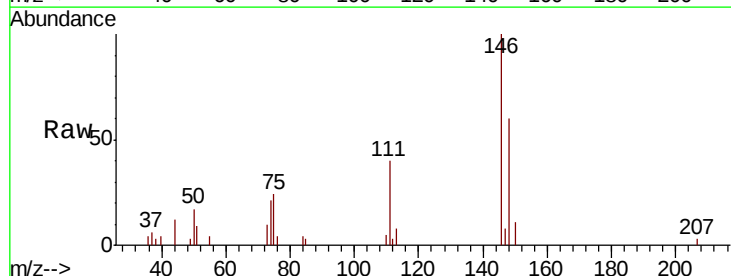
Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62
1,3-Dichlorobenzene
Concen: 1.65 ug/L
RT: 11.42 min Scan# 3369
Delta R.T. 0.00 min
Lab File: VU026121.D
Acq: 14 Aug 2018 23:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.9	51.9
148	60.2	46.0	85.4

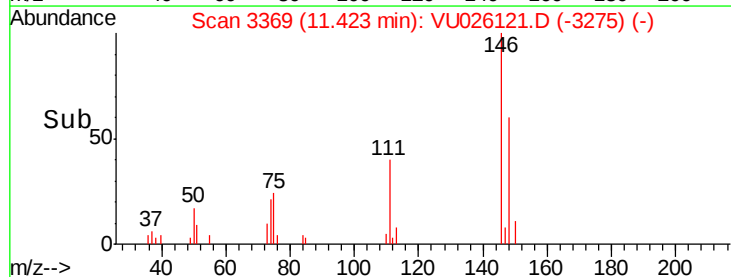
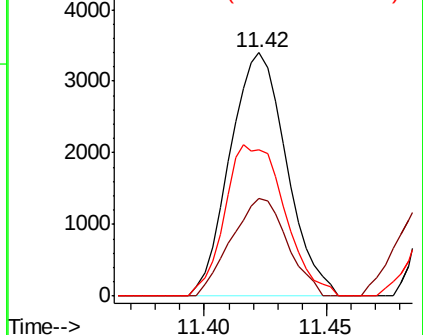


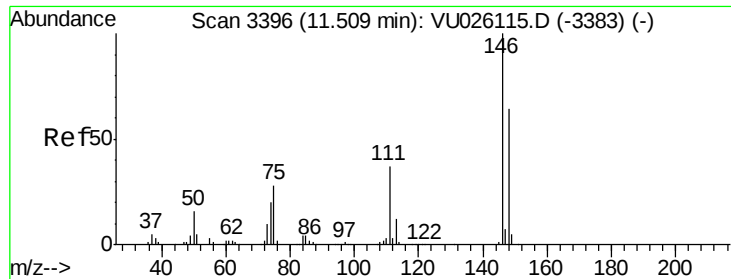
Abundance

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





#63

1,4-Dichlorobenzene

Concen: 5.61 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026121.D

Acq: 14 Aug 2018 23:59

Instrument :

MSVOA_U

ClientSampleId :

A4ZH8

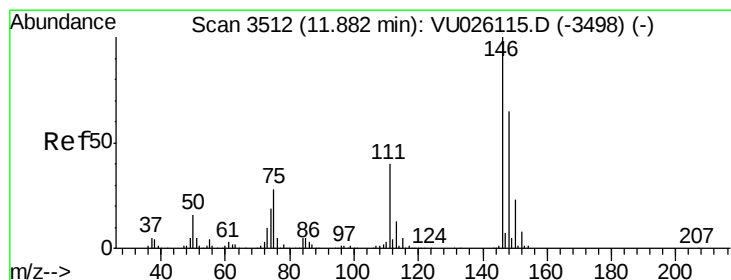
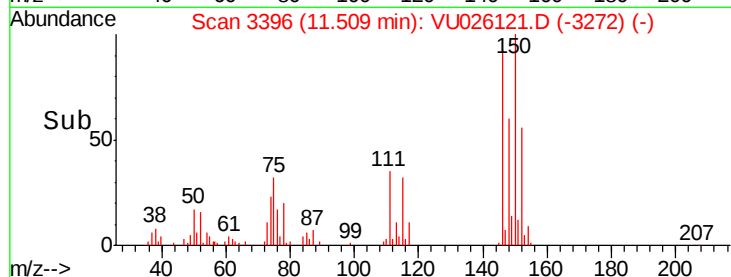
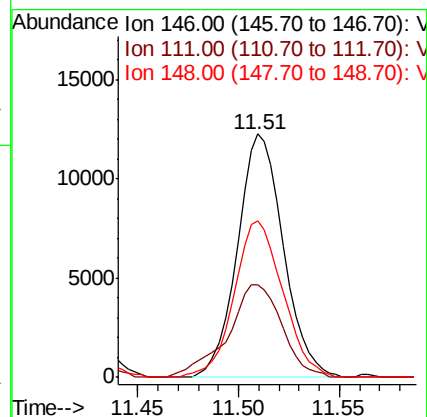
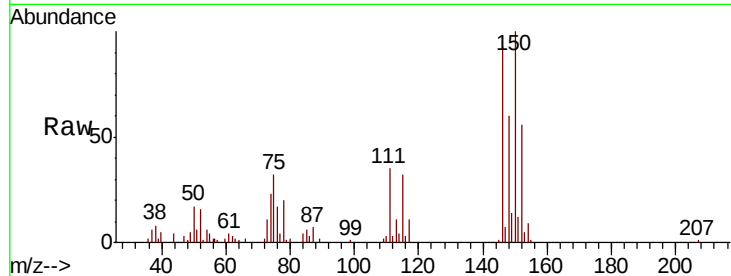
Tot Ion:146 Resp: 19568

Ion Ratio Lower Upper

146 100

111 38.2 26.4 49.0

148 64.2 43.8 81.4



#65

1,2-Dichlorobenzene

Concen: 2.46 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026121.D

Acq: 14 Aug 2018 23:59

Tgt Ion:146 Resp: 8710

Ion Ratio Lower Upper

146 100

111 38.7 32.4 48.6

148 60.2 50.1 75.1

