

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025968.D
 Acq On : 08 Aug 2018 03:46
 Operator : MD/SY
 Sample : VIBLK45
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

Quant Time: Aug 08 07:21:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	304309	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277926	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	116820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75160	44.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.14%
7) Chloroethane-d5	1.68	69	61775	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.70%
11) 1,1-Dichloroethene-d2	2.27	63	111844	34.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.50%
21) 2-Butanone-d5	4.18	46	118629	102.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.24%
24) Chloroform-d	4.65	84	160592	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
26) 1,2-Dichloroethane-d4	5.31	65	108846	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
32) Benzene-d6	5.35	84	308455	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
36) 1,2-Dichloropropane-d6	6.34	67	98127	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.04%
41) Toluene-d8	7.57	98	281236	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.85	79	44418	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
47) 2-Hexanone-d5	8.31	63	78786	99.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.40%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	133124	50.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	104310	54.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.10%

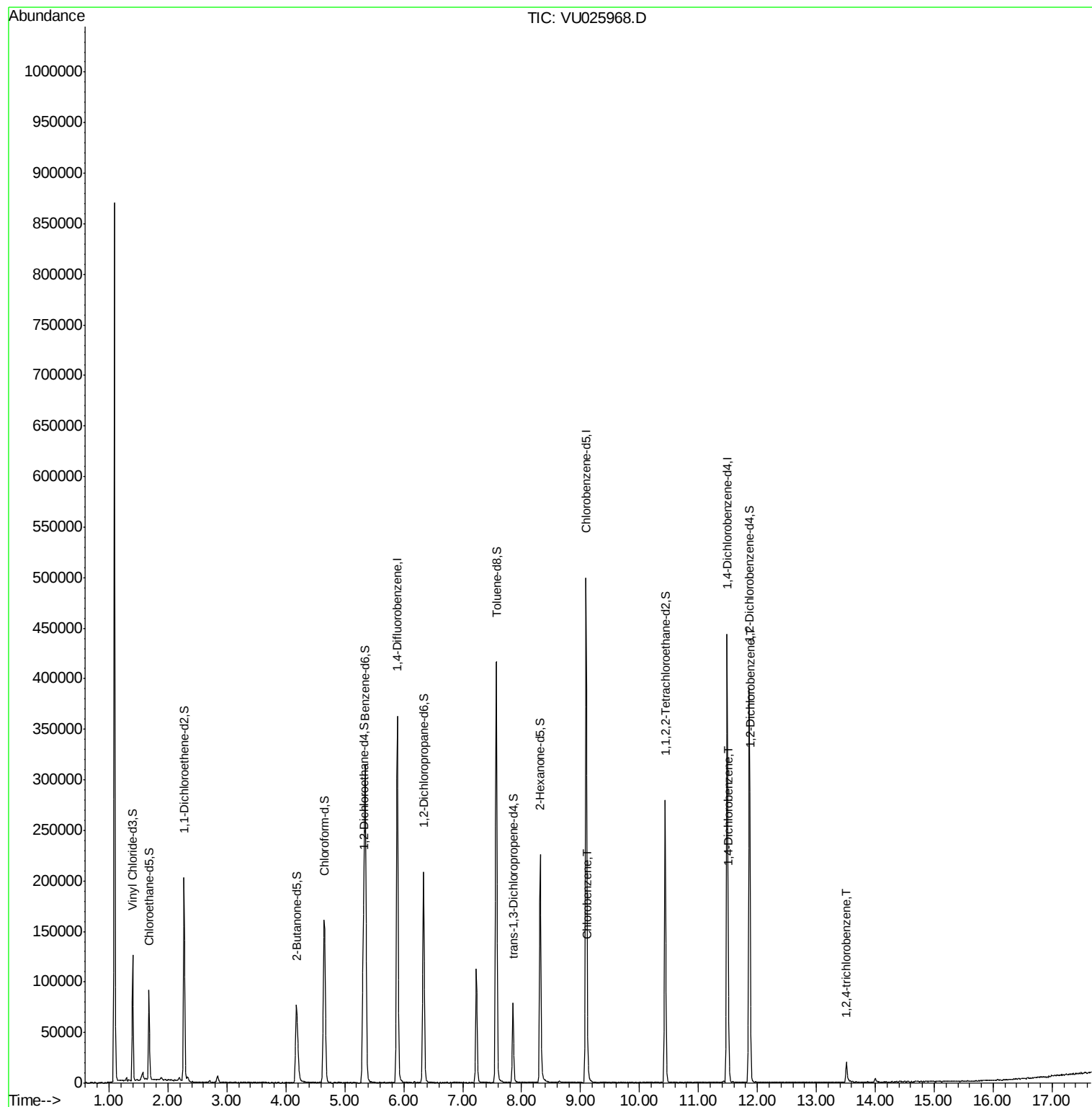
Target Compounds						Ovalue
51) Chlorobenzene	9.12	112	6971	1.28	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	10041	2.82	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	7183	2.05	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	7157	3.20	ug/L #	87

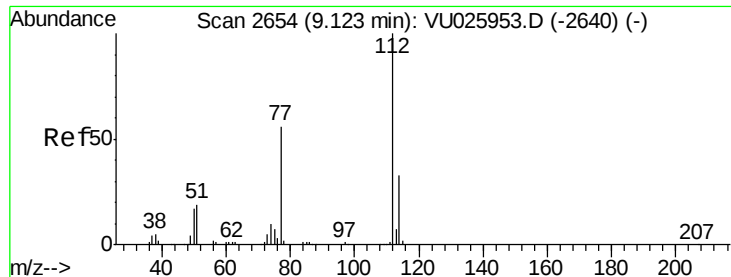
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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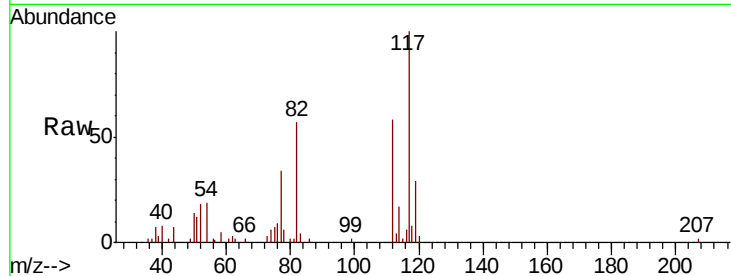




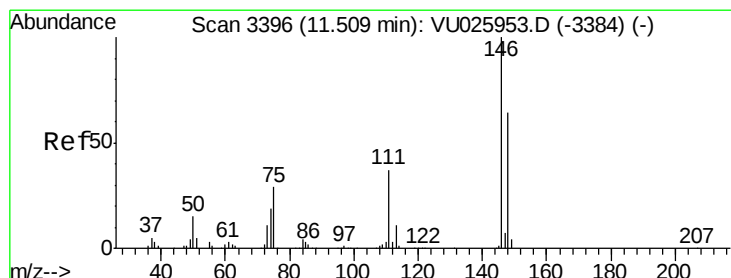
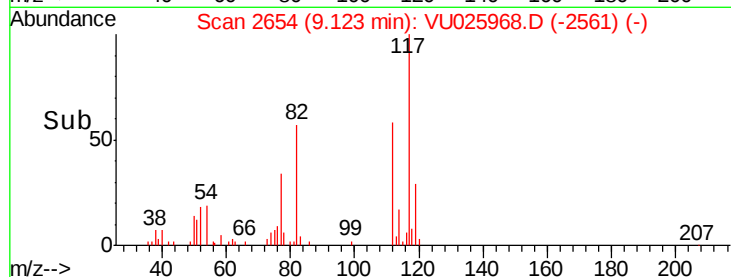
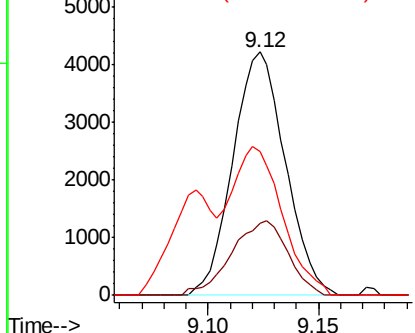
#51
Chlorobenzene
Concen: 1.28 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025968.D
Acq: 08 Aug 2018 03:46

Instrument :
MSVOA_U
ClientSampleId :
VIBLK45

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	22.9	42.5
77	58.8	46.6	70.0

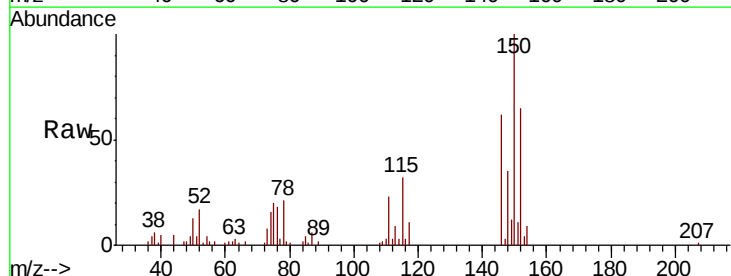


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

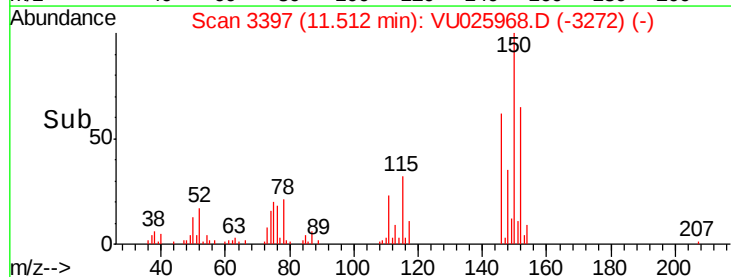
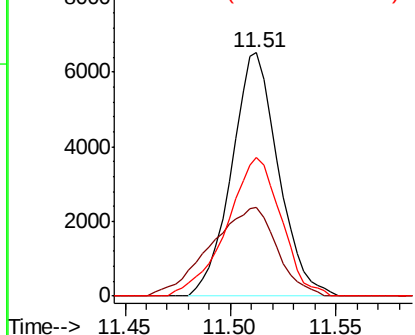


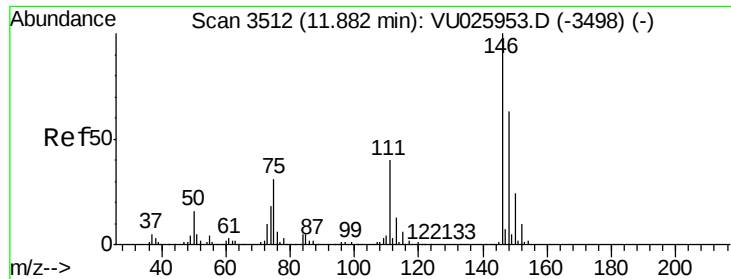
#63
1,4-Dichlorobenzene
Concen: 2.82 ug/L
RT: 11.51 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VU025968.D
Acq: 08 Aug 2018 03:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.7	49.7
148	57.0	45.2	84.0



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

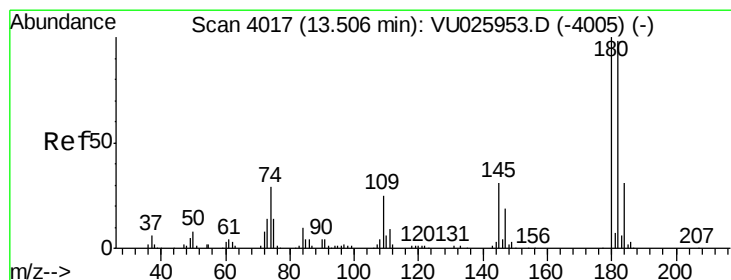
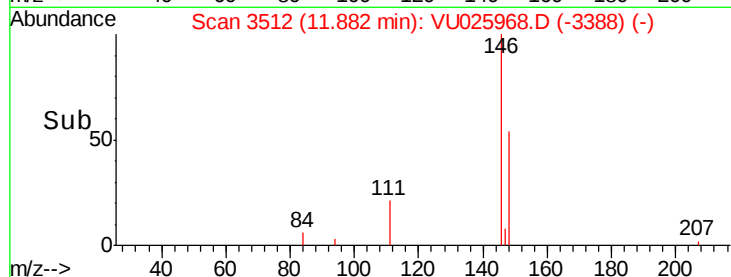
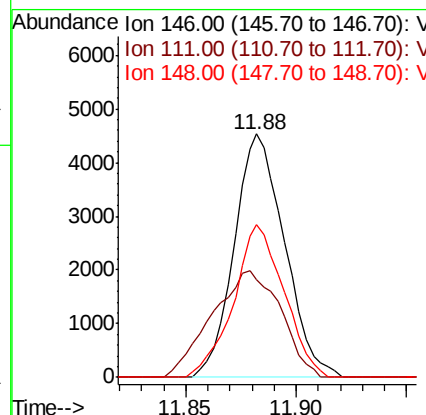
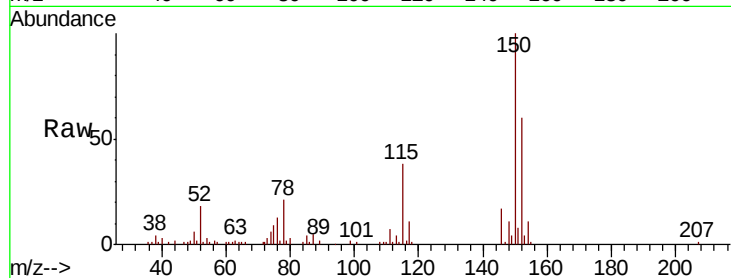




#65
 1,2-Dichlorobenzene
 Concen: 2.05 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025968.D
 Acq: 08 Aug 2018 03:46

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Tot Ion:146 Resp: 7183
 Ion Ratio Lower Upper
 146 100
 111 40.0 33.4 50.0
 148 63.0 51.8 77.8



#68
 1,2,4-trichlorobenzene
 Concen: 3.20 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025968.D
 Acq: 08 Aug 2018 03:46

Tgt Ion:180 Resp: 7157
 Ion Ratio Lower Upper
 180 100
 182 107.0 75.3 112.9
 145 34.9 23.1 34.7#

