

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026076.D
 Acq On : 13 Aug 2018 18:40
 Operator : MD/SY
 Sample : J4402-08 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH7

Manual Integrations
 APPROVED

sam
 8/14/2018 6:27:24 PM

Quant Time: Aug 14 02:38:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	283373	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	263284	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	117457	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83030	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.16%
7) Chloroethane-d5	1.68	69	70240	42.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.54%
11) 1,1-Dichloroethene-d2	2.27	63	128535	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.18	46	143756	83.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.27%
24) Chloroform-d	4.65	84	188395	42.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.78%
26) 1,2-Dichloroethane-d4	5.31	65	128607	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.68%
32) Benzene-d6	5.35	84	365026	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
36) 1,2-Dichloropropane-d6	6.33	67	118876	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.88%
41) Toluene-d8	7.57	98	329699	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	7.85	79	57624	43.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.46%
47) 2-Hexanone-d5	8.31	63	100420	83.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	165566	42.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	133989	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%

Target Compounds						Ovalue
51) Chlorobenzene	9.12	112	9386	1.75	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	6437	1.68	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	4698	1.21	ug/L	88
68) 1,2,4-trichlorobenzene	13.51	180	3624m	1.57	ug/L	

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

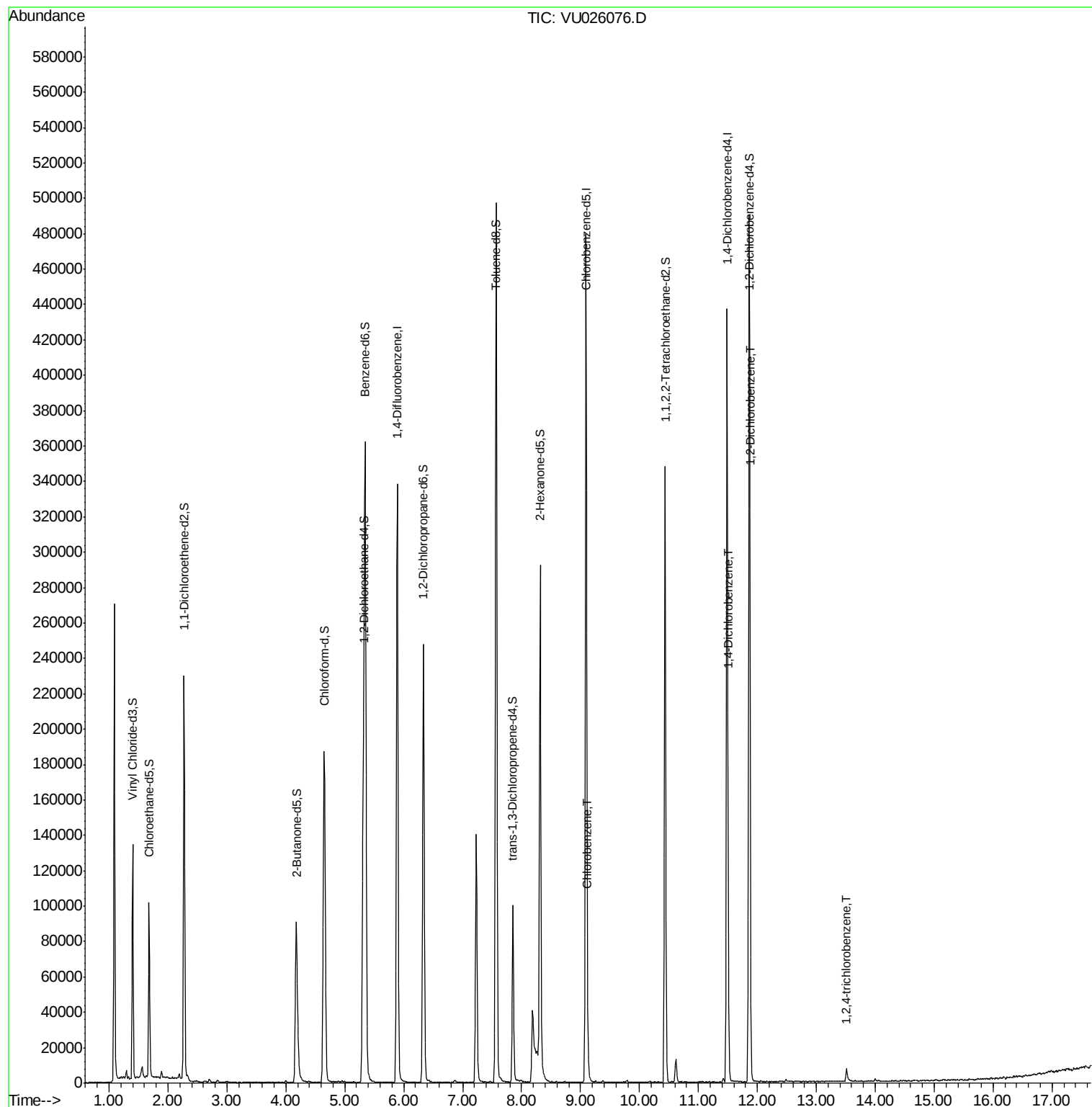
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081318\
Data File : VU026076.D
Acq On : 13 Aug 2018 18:40
Operator : MD/SY
Sample : J4402-08 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

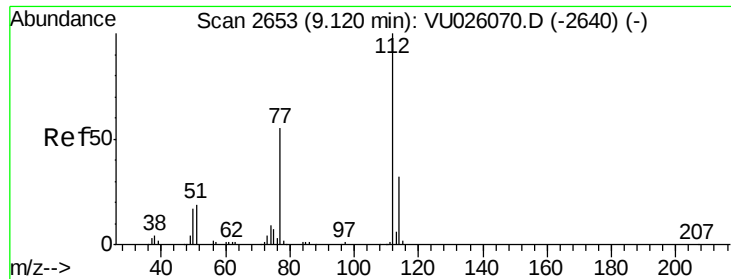
Instrument :
MSVOA_U
ClientSampleId :
A4ZH7

Manual Integrations
APPROVED

sam
8/14/2018 6:27:24 PM

Quant Time: Aug 14 02:38:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 02:18:47 2018
Response via : Initial Calibration





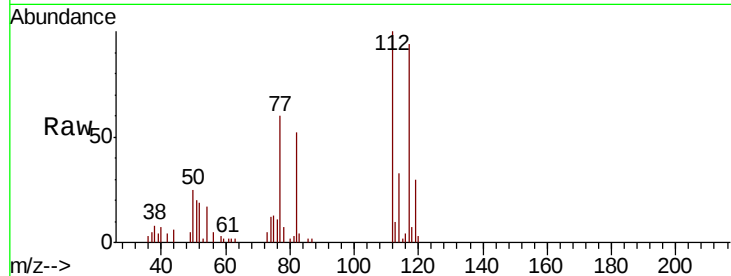
#51
Chlorobenzene
Concen: 1.75 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026076.D
Acq: 13 Aug 2018 18:40

Instrument :
MSVOA_U
ClientSampleId :
A4ZH7

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.7	42.3
77	59.7	45.2	67.8

Manual Integrations
APPROVED

sam
8/14/2018 6:27:24 PM

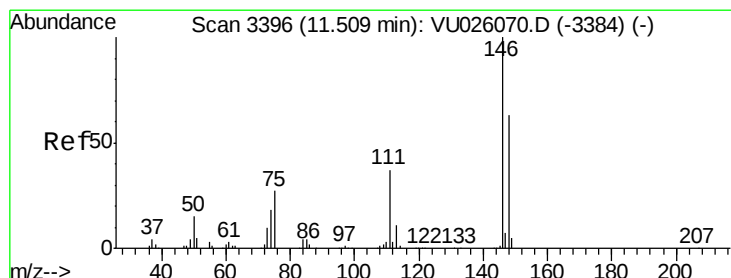
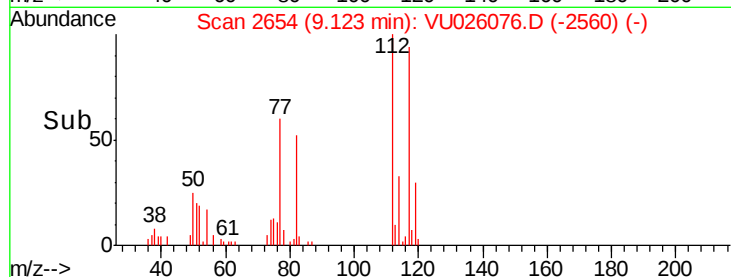
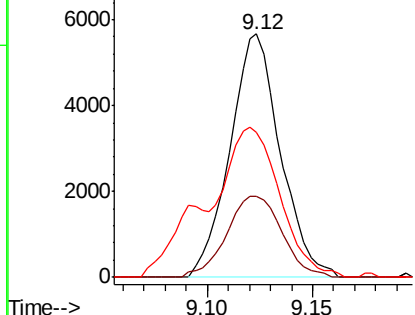


Abundance

Ion 112.00 (111.70 to 112.70): V

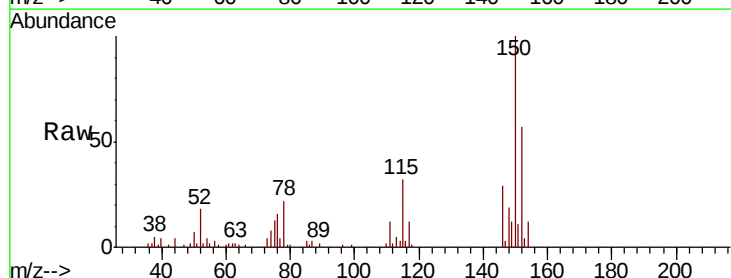
Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#63
1,4-Dichlorobenzene
Concen: 1.68 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VU026076.D
Acq: 13 Aug 2018 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	26.4	49.0
148	64.8	43.8	81.4

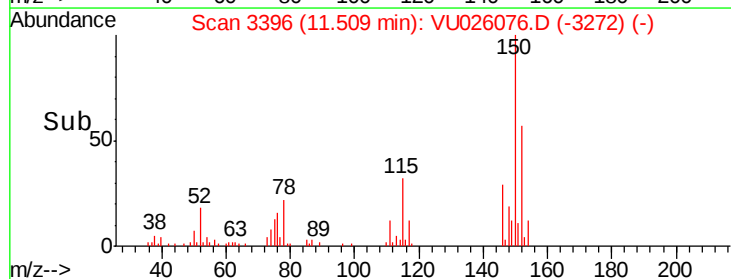
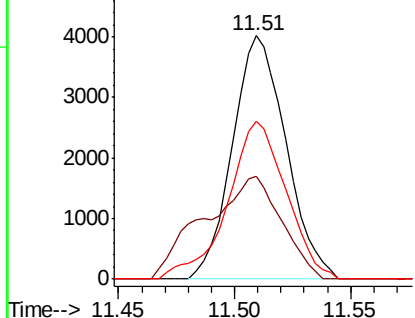


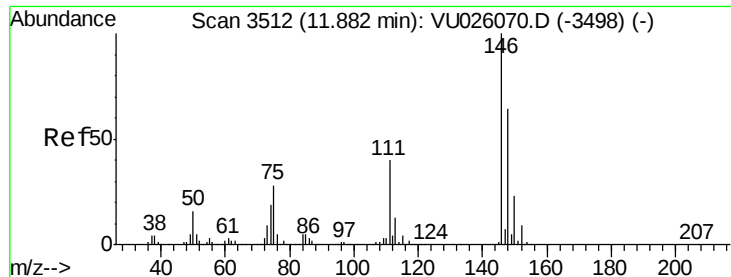
Abundance

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





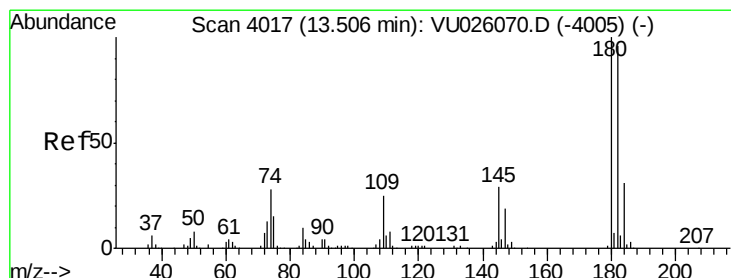
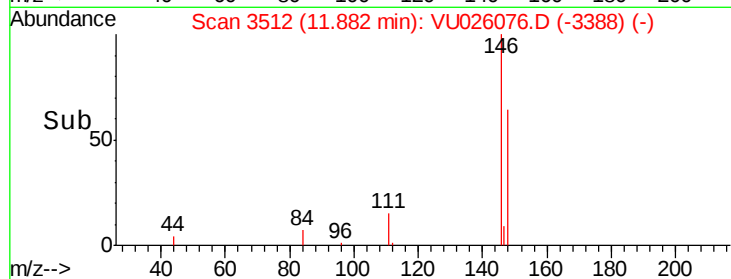
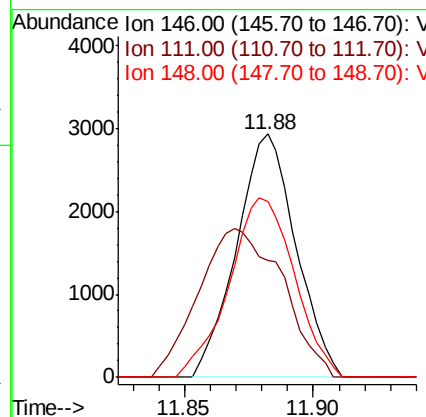
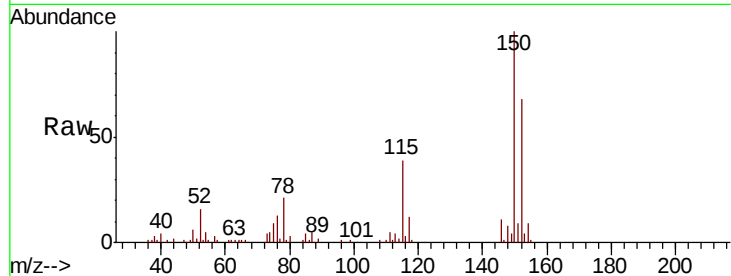
#65
 1,2-Dichlorobenzene
 Concen: 1.21 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026076.D
 Acq: 13 Aug 2018 18:40

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH7

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	32.4	48.6
148	72.3	50.1	75.1

Manual Integrations
 APPROVED

sam
 8/14/2018 6:27:24 PM



#68
 1,2,4-trichlorobenzene
 Concen: 1.57 ug/L m
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU026076.D
 Acq: 13 Aug 2018 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.9	76.5	114.7
145	27.6	24.2	36.4

