

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025994.D
 Acq On : 09 Aug 2018 14:22
 Operator : MD/SY
 Sample : J4361-09 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB6

Quant Time: Aug 10 05:55:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	298425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	273187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	119750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100138	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.82%
7) Chloroethane-d5	1.68	69	81101	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.78%
11) 1,1-Dichloroethene-d2	2.27	63	147413	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.12%
21) 2-Butanone-d5	4.18	46	174581	96.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.03%
24) Chloroform-d	4.65	84	217294	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	5.31	65	152599	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
32) Benzene-d6	5.35	84	423948	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
36) 1,2-Dichloropropane-d6	6.33	67	139900	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.94%
41) Toluene-d8	7.57	98	389989	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	7.85	79	70357	50.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.74%
47) 2-Hexanone-d5	8.31	63	121400	97.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.38%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	194089	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	151392	51.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.56%

Target Compounds

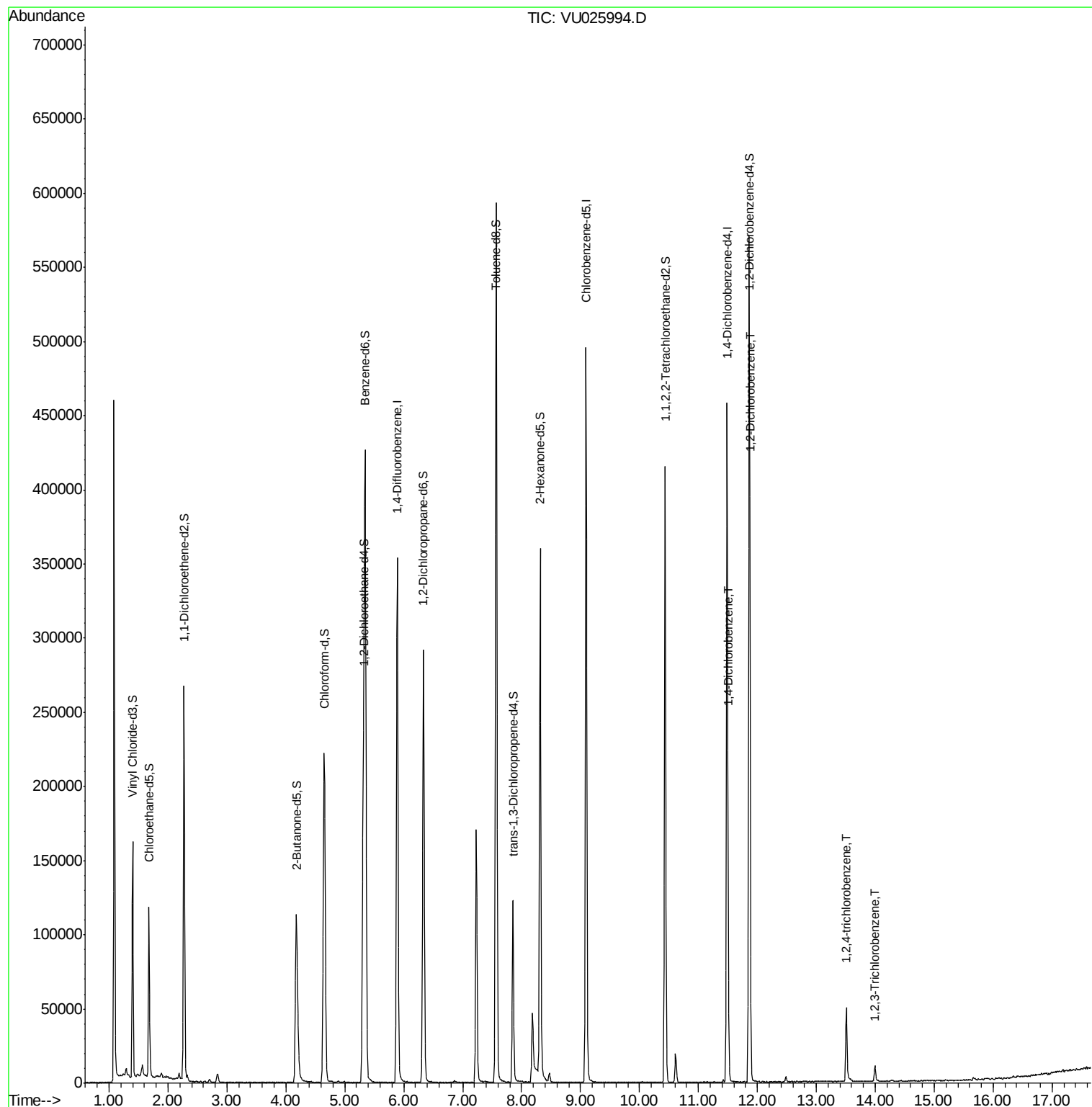
					Ovalue
63) 1,4-Dichlorobenzene	11.51	146	7237	1.85 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	5995	1.51 ug/L	91
68) 1,2,4-trichlorobenzene	13.51	180	17926	7.61 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	4735	1.87 ug/L	92

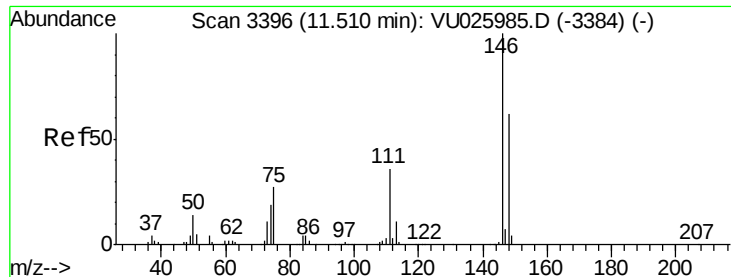
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#63

1,4-Dichlorobenzene

Concen: 1.85 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025994.D

Acq: 09 Aug 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

A4ZB6

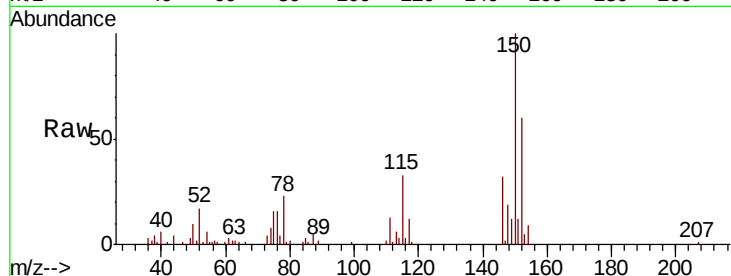
Tot Ion:146 Resp: 7237

Ion Ratio Lower Upper

146 100

111 39.9 26.4 49.0

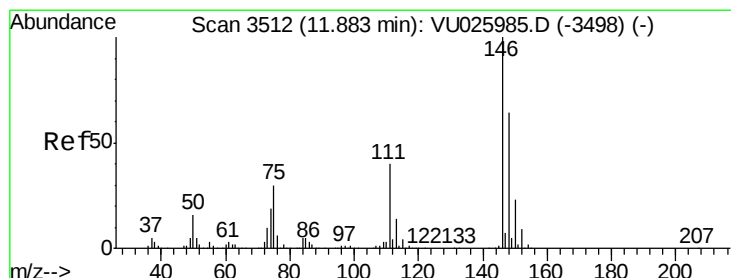
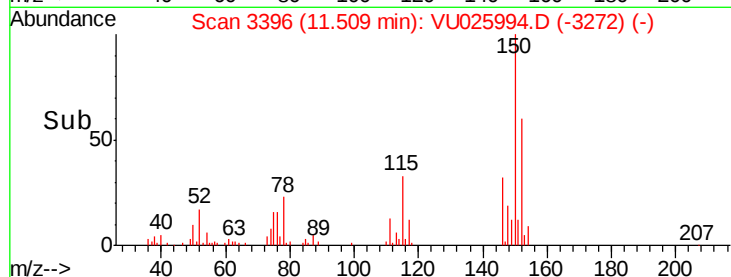
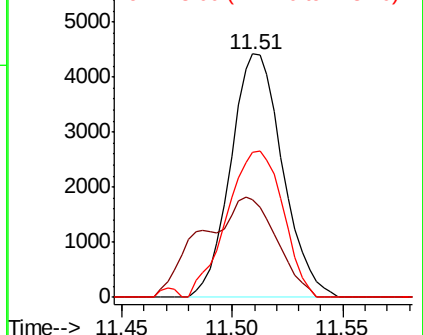
148 59.6 43.8 81.4



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: 1.51 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025994.D

Acq: 09 Aug 2018 14:22

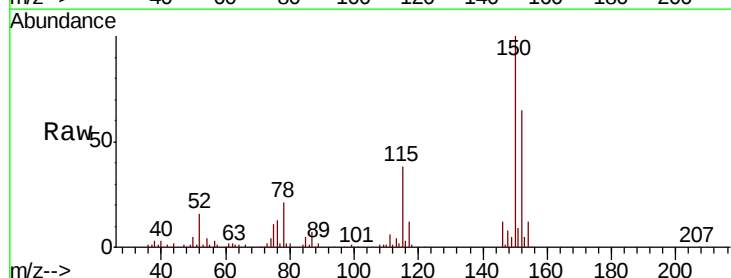
Tgt Ion:146 Resp: 5995

Ion Ratio Lower Upper

146 100

111 48.1 32.4 48.6

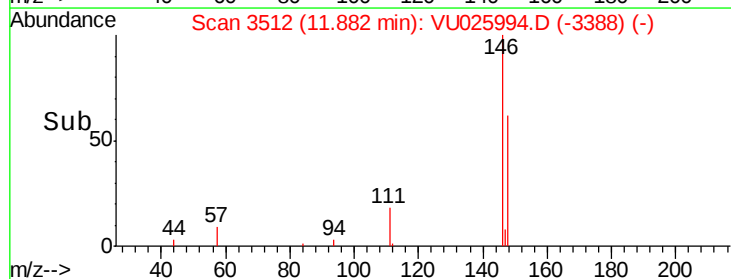
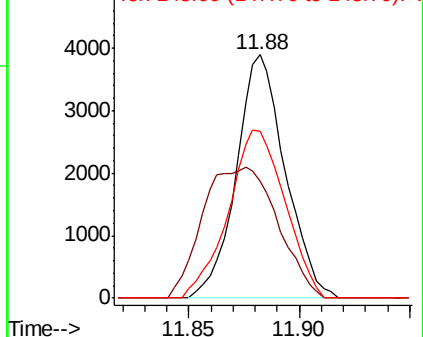
148 68.3 50.1 75.1

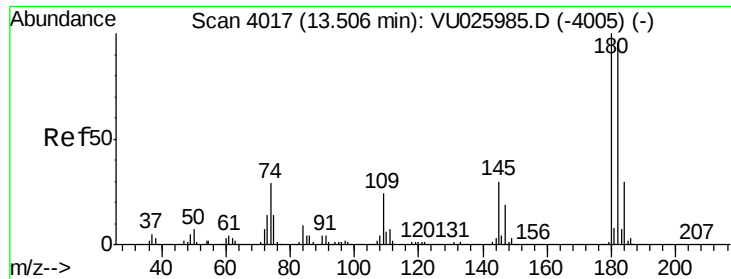


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

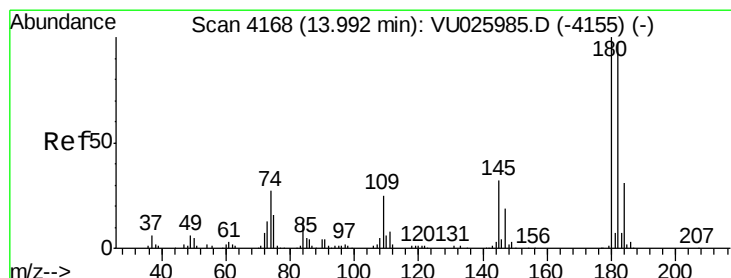
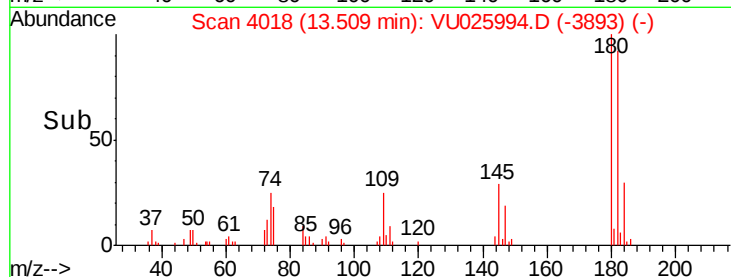
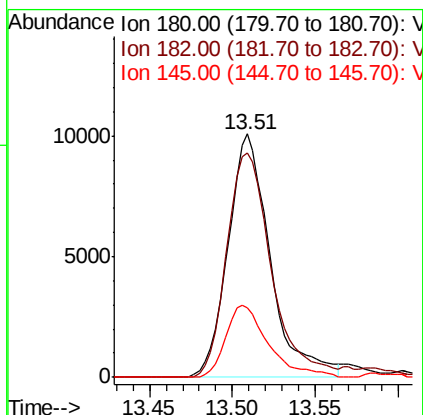
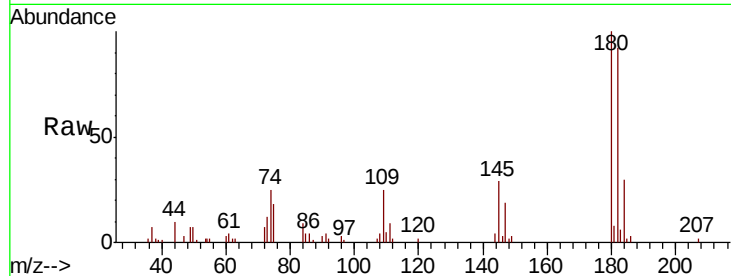




#68
 1,2,4-trichlorobenzene
 Concen: 7.61 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025994.D
 Acq: 09 Aug 2018 14:22

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Tot Ion:180 Resp: 17926
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.5 114.7
 145 29.7 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 1.87 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU025994.D
 Acq: 09 Aug 2018 14:22

Tgt Ion:180 Resp: 4735
 Ion Ratio Lower Upper
 180 100
 182 86.0 76.5 114.7
 145 30.5 24.7 37.1

