

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025965.D
 Acq On : 08 Aug 2018 02:33
 Operator : MD/SY
 Sample : J4361-23
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA6

Quant Time: Aug 08 07:15:25 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	301378	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	272982	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	114982	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79338	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.00%
7) Chloroethane-d5	1.68	69	65423	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.48%
11) 1,1-Dichloroethene-d2	2.27	63	116169	35.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.84%
21) 2-Butanone-d5	4.18	46	123176	107.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.19%
24) Chloroform-d	4.65	84	163993	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	5.31	65	114492	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.30%
32) Benzene-d6	5.35	84	323676	53.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.58%
36) 1,2-Dichloropropane-d6	6.33	67	102136	54.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.20%
41) Toluene-d8	7.57	98	293031	50.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.38%
43) trans-1,3-Dichloropropene-	7.85	79	44715	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.31	63	79080	101.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	137000	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	108080	56.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.80%

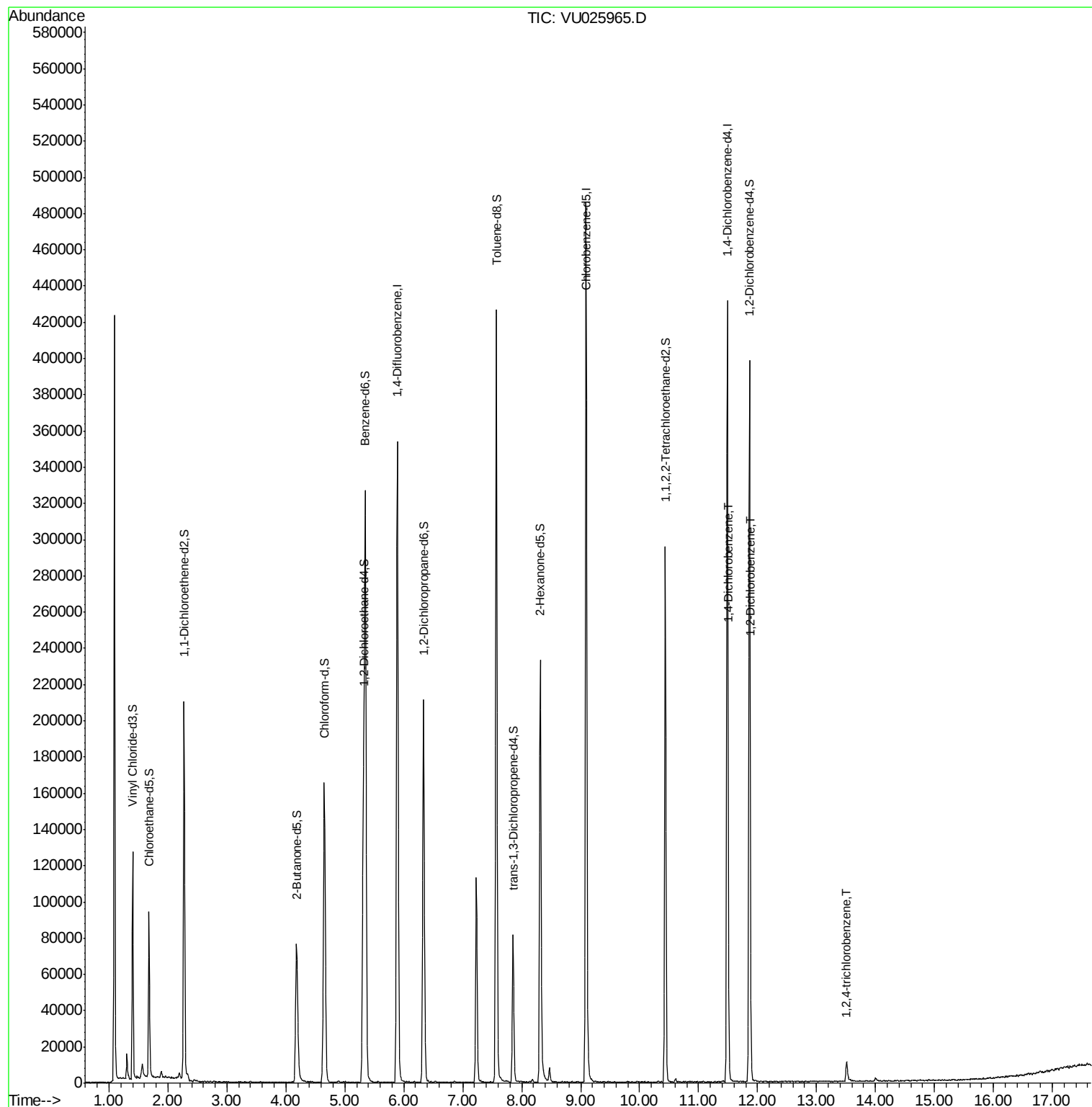
Target Compounds						Ovalue
63) 1,4-Dichlorobenzene	11.51	146	5806	1.66	ug/L	92
65) 1,2-Dichlorobenzene	11.89	146	4486	1.30	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	4982	2.26	ug/L	99

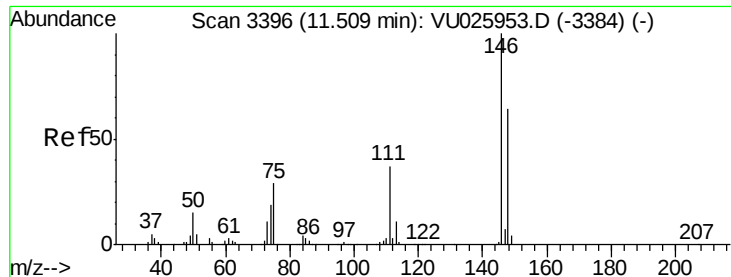
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#63

1,4-Dichlorobenzene

Concen: 1.66 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025965.D

Acq: 08 Aug 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

A4ZA6

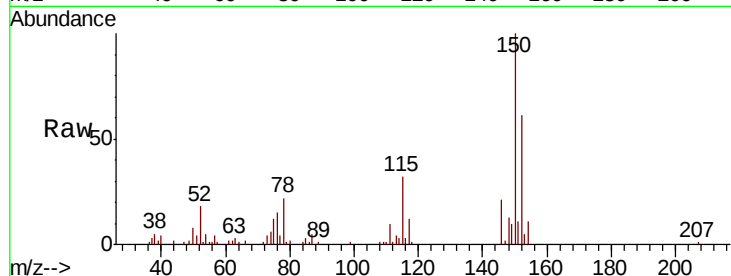
Tot Ion:146 Resp: 5806

Ion Ratio Lower Upper

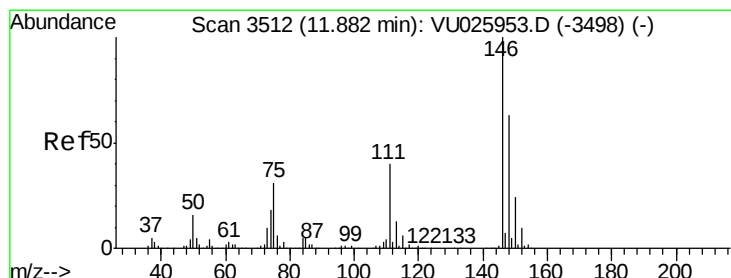
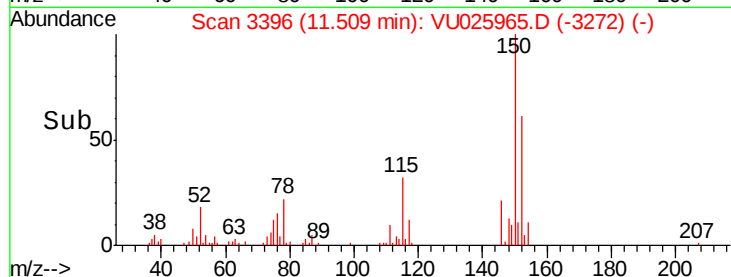
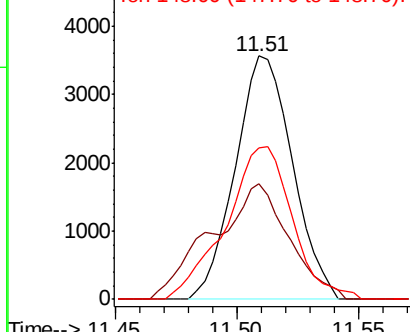
146 100

111 47.7 26.7 49.7

148 62.3 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: 1.30 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025965.D

Acq: 08 Aug 2018 02:33

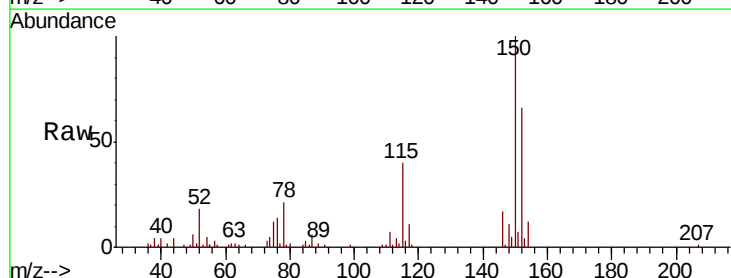
Tgt Ion:146 Resp: 4486

Ion Ratio Lower Upper

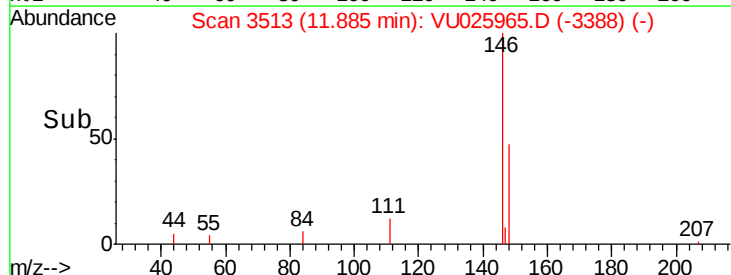
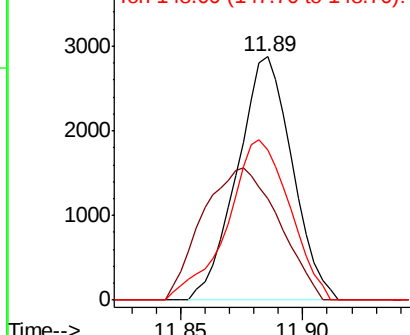
146 100

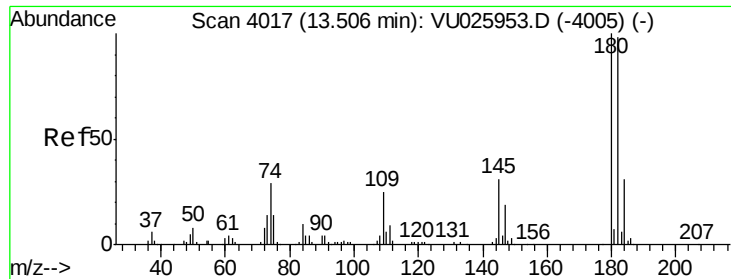
111 41.9 33.4 50.0

148 61.8 51.8 77.8



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

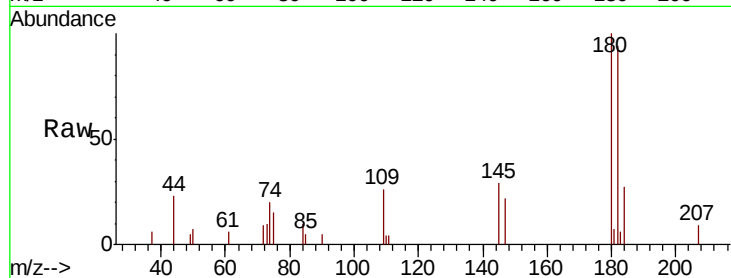




#68
 1,2,4-trichlorobenzene
 Concen: 2.26 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
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 Acq: 08 Aug 2018 02:33

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Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.3	112.9
145	27.6	23.1	34.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

