

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026004.D
 Acq On : 09 Aug 2018 18:25
 Operator : MD/SY
 Sample : J4361-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB3MS

Quant Time: Aug 10 07:22:42 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	292737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	271196	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	118153	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87340	40.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.64%
7) Chloroethane-d5	1.67	69	76992	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.76%
11) 1,1-Dichloroethene-d2	2.27	63	182386	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
21) 2-Butanone-d5	4.18	46	166936	93.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.60%
24) Chloroform-d	4.65	84	208574	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
26) 1,2-Dichloroethane-d4	5.31	65	144468	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
32) Benzene-d6	5.35	84	400423	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
36) 1,2-Dichloropropane-d6	6.33	67	133140	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.57	98	367709	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.85	79	64277	46.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.64%
47) 2-Hexanone-d5	8.31	63	118707	95.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.91%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	188598	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	144894	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%

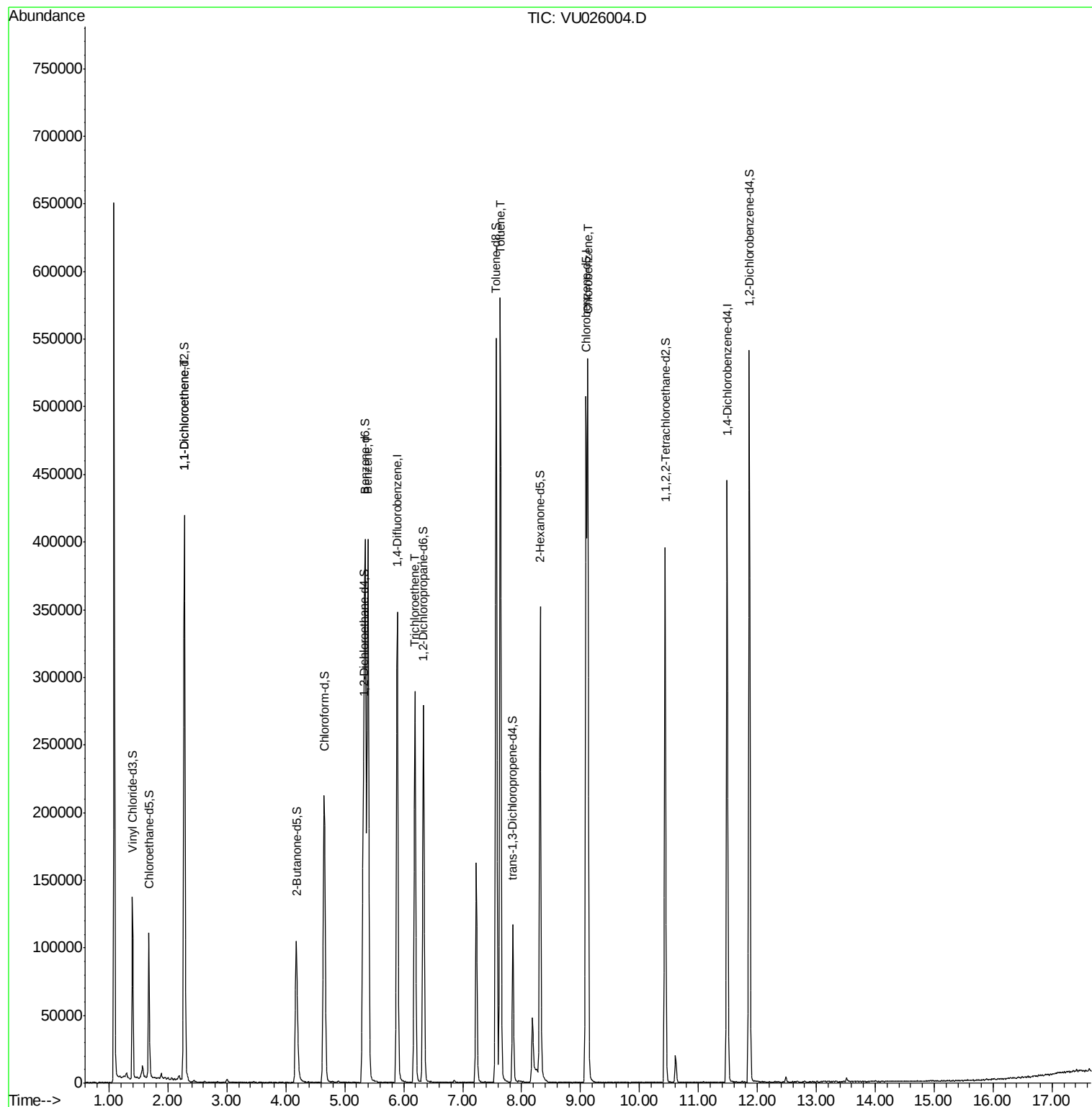
Target Compounds						Ovalue
12) 1,1-Dichloroethene	2.28	96	82323	48.71	ug/L	86
33) Benzene	5.39	78	395903	51.25	ug/L	100
34) Trichloroethene	6.19	95	98899	49.01	ug/L	98
42) Toluene	7.64	91	421236	51.38	ug/L	99
51) Chlorobenzene	9.12	112	274388	49.64	ug/L	99

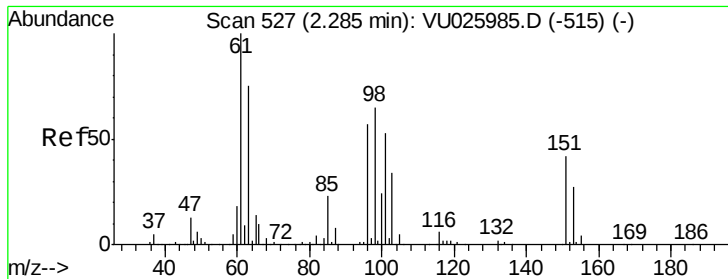
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 48.71 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

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A4ZB3MS

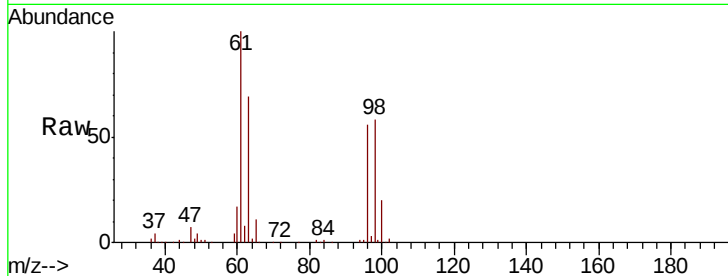
Tot Ion: 96 Resp: 82323

Ion Ratio Lower Upper

96 100

61 177.6 121.2 225.2

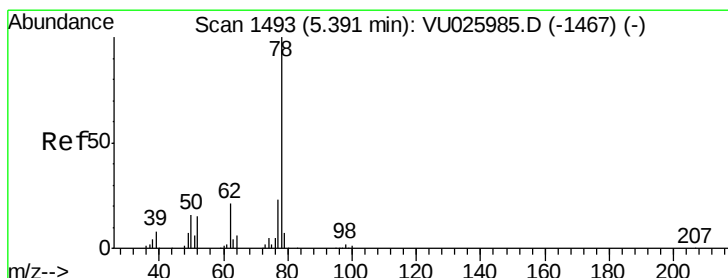
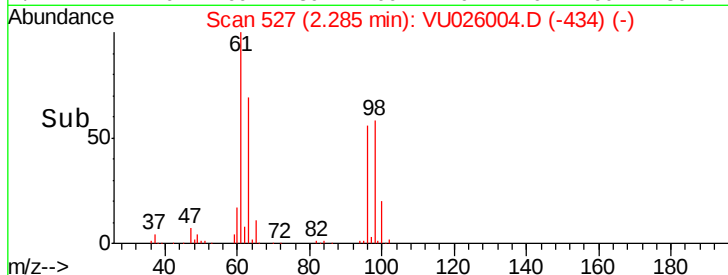
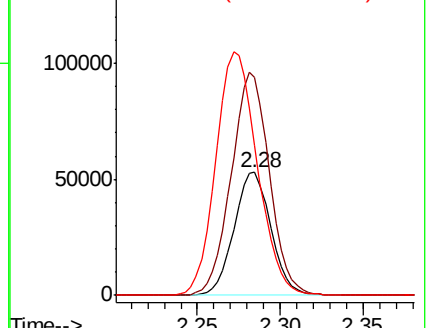
63 122.3 108.7 201.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#33

Benzene

Concen: 51.25 ug/L

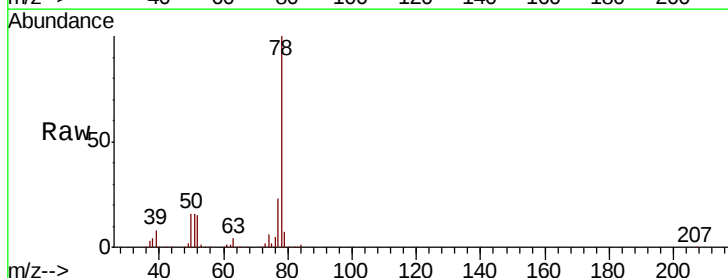
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

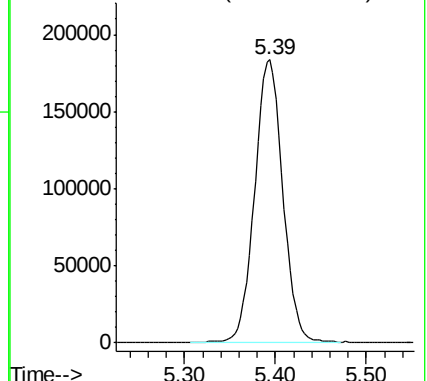
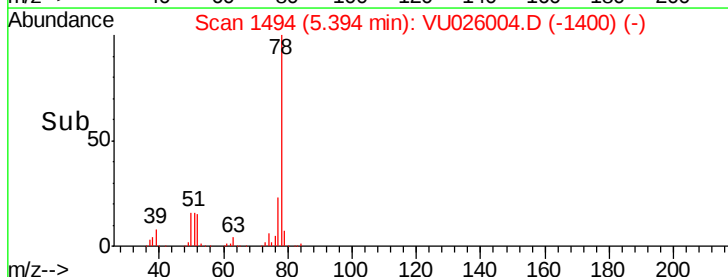
Lab File: VU026004.D

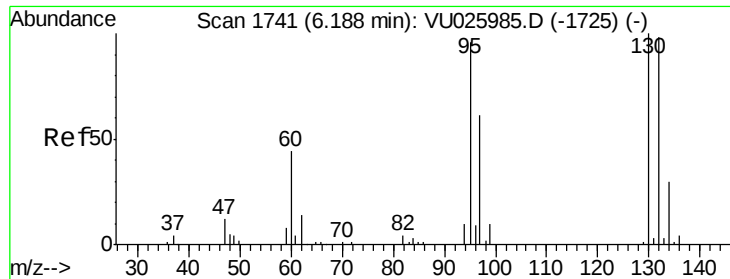
Acq: 09 Aug 2018 18:25

Tgt Ion: 78 Resp: 395903



Abundance Ion 78.00 (77.70 to 78.70): VU0

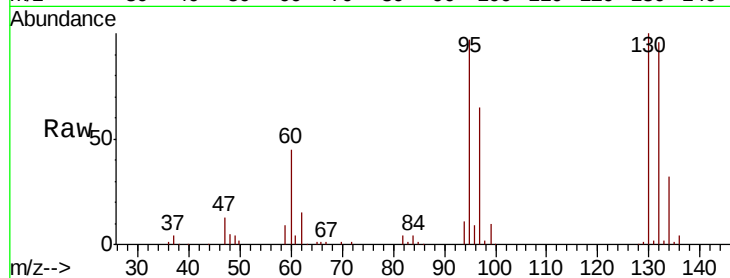




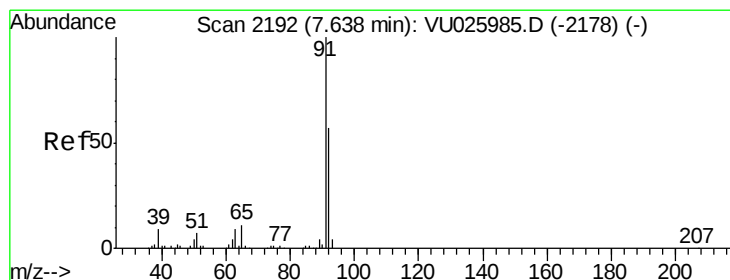
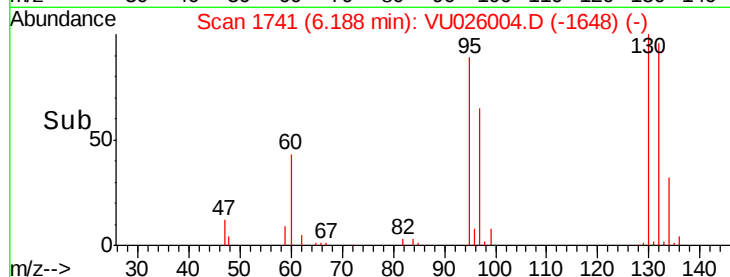
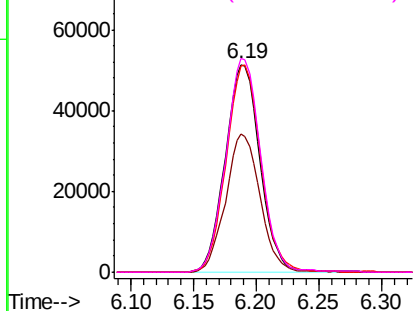
#34
 Trichloroethene
 Concen: 49.01 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026004.D
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Tot Ion: 95 Resp: 98899
 Ion Ratio Lower Upper
 95 100
 97 66.8 45.2 84.0
 132 99.2 68.2 126.6
 130 102.9 73.8 137.2

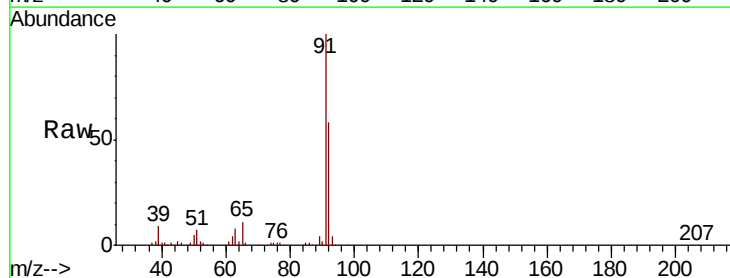


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

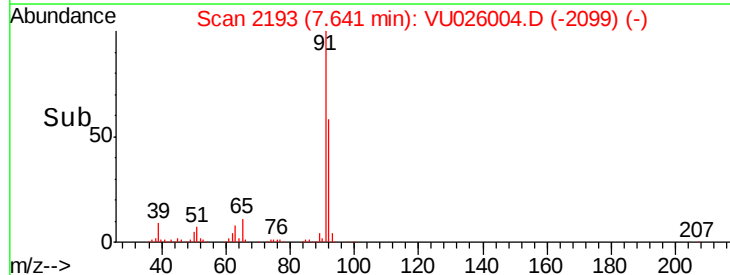
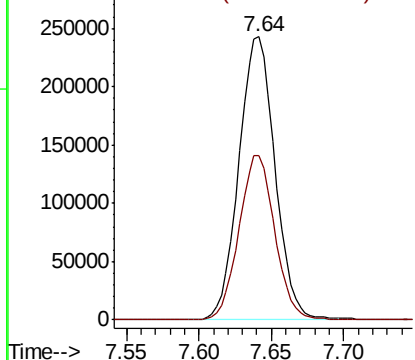


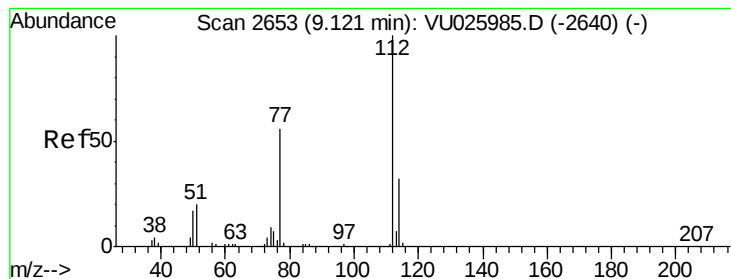
#42
 Toluene
 Concen: 51.38 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU026004.D
 Acq: 09 Aug 2018 18:25

Tgt Ion: 91 Resp: 421236
 Ion Ratio Lower Upper
 91 100
 92 58.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 49.64 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026004.D

Acq: 09 Aug 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

A4ZB3MS

Tot Ion:112 Resp: 274388

Ion Ratio Lower Upper

112 100

114 33.8 22.7 42.3

77 56.4 45.2 67.8

