

Data File : VU033638.D
Acq On : 08 Aug 2019 15:29
Operator : JC/SP
Sample : K4202-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B04

Quant Time: Aug 09 07:58:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	313569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308600	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146696	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	89530	25.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.58%#
7) Chloroethane-d5	1.67	69	84601	28.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.48%#
11) 1,1-Dichloroethene-d2	2.26	63	121811	21.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	42.58%#
21) 2-Butanone-d5	4.15	46	182164	70.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.27%
24) Chloroform-d	4.62	84	156206	26.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	53.26%#
26) 1,2-Dichloroethane-d4	5.29	65	119763	31.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.32%#
32) Benzene-d6	5.32	84	343082	29.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.62%#
36) 1,2-Dichloropropane-d6	6.31	67	119597	32.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	65.38%#
41) Toluene-d8	7.55	98	300387	28.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	56.46%#
43) trans-1,3-Dichloropropene-	7.83	79	53528	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
47) 2-Hexanone-d5	8.29	63	133519	72.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	199111	34.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	135626	33.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.68%#

Target Compounds

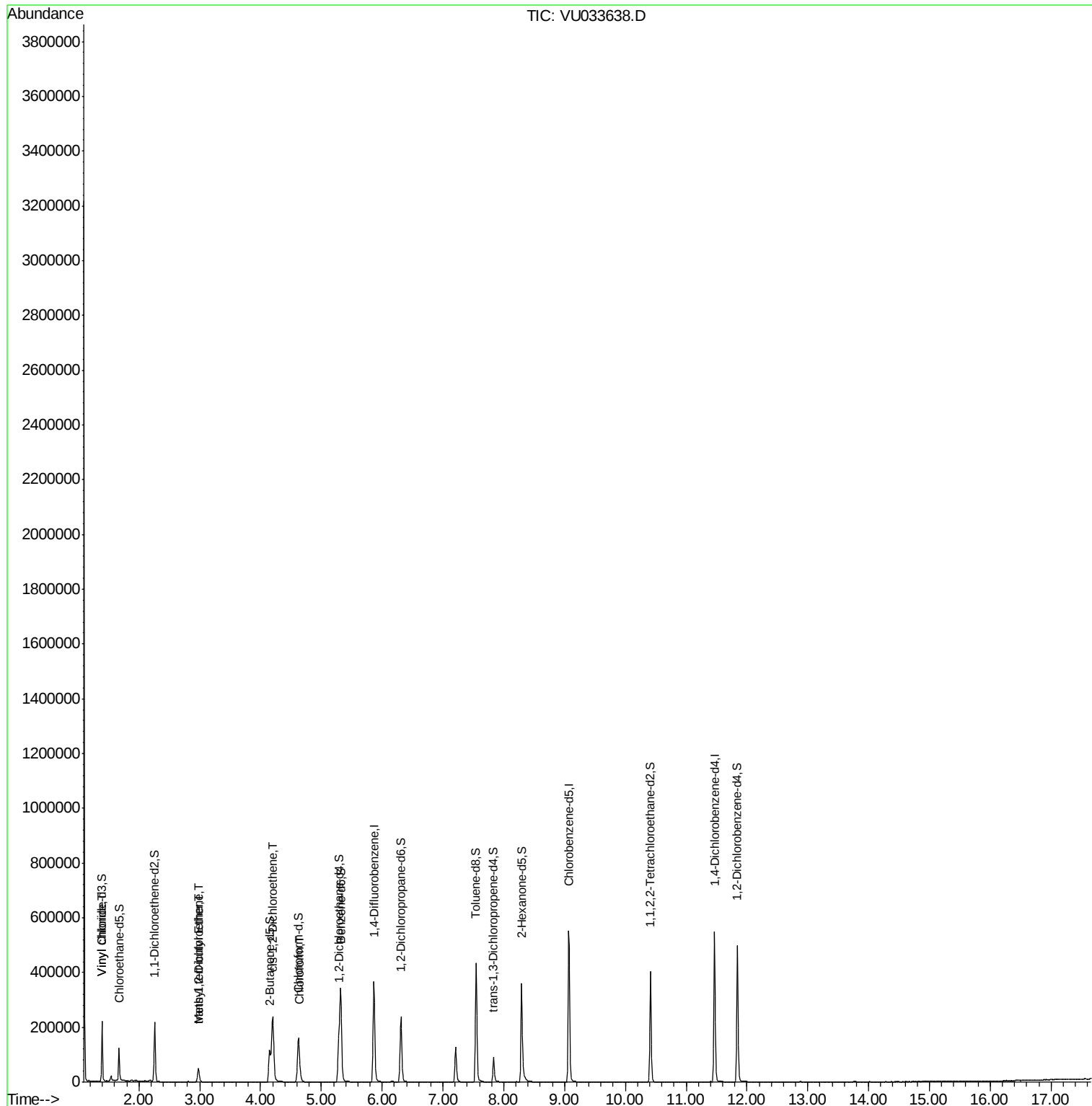
						Qvalue
5) Vinyl chloride	1.40	62	56659	16.647	ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	4144	1.793	ug/L	94
18) Methyl tert-butyl Ether	2.98	73	41938	5.777	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	130039	49.965	ug/L	95
25) Chloroform	4.65	83	23678	5.013	ug/L	99

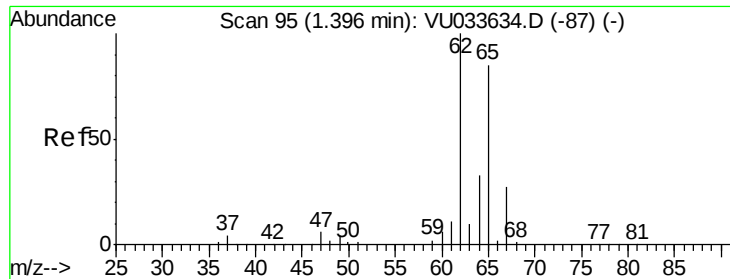
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 16.647 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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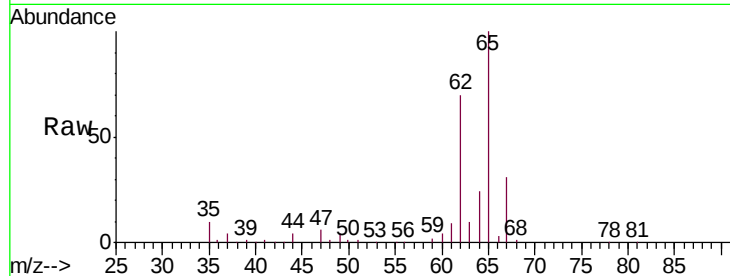
Instrument :
MSVOA_U
ClientSampled :
F2B04

Tgt Ion: 62 Resp: 56659

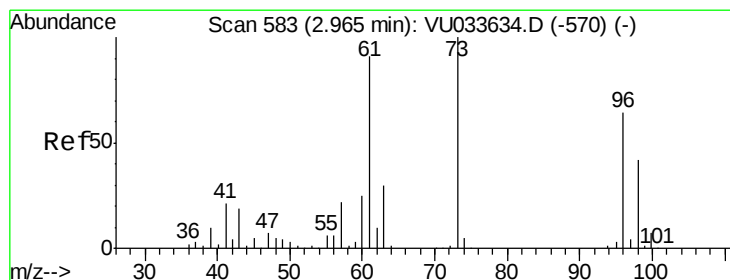
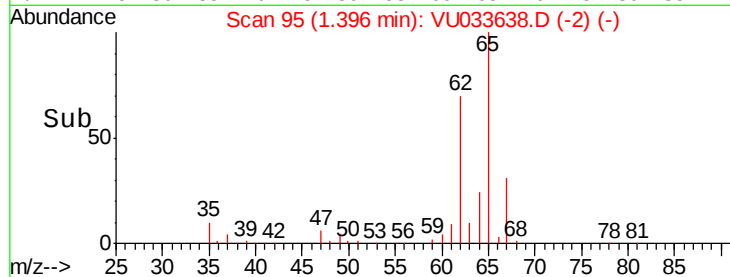
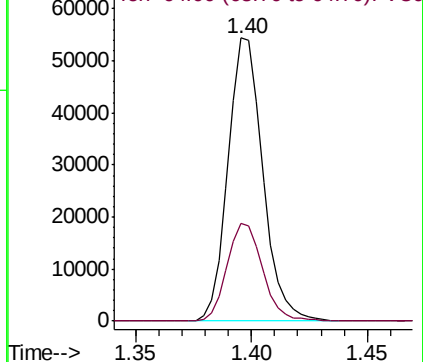
Ion Ratio Lower Upper

62 100

64 34.4 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 1.793 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

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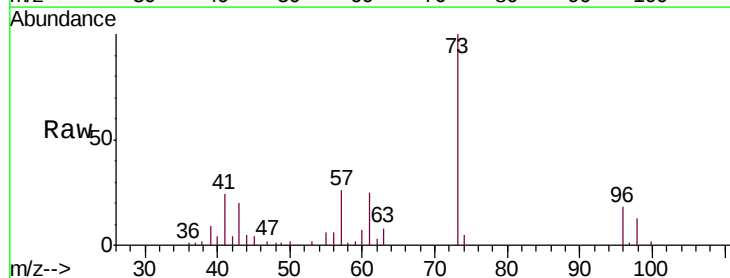
Tgt Ion: 96 Resp: 4144

Ion Ratio Lower Upper

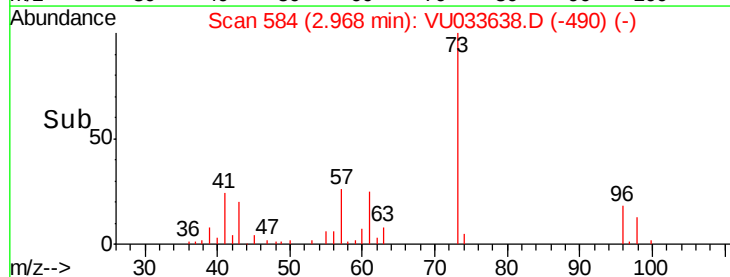
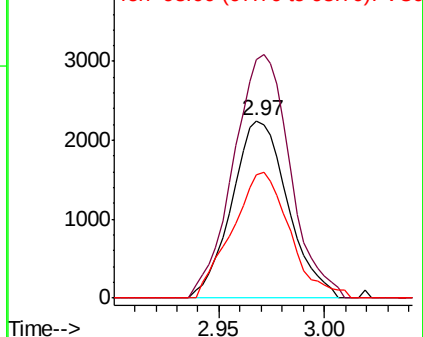
96 100

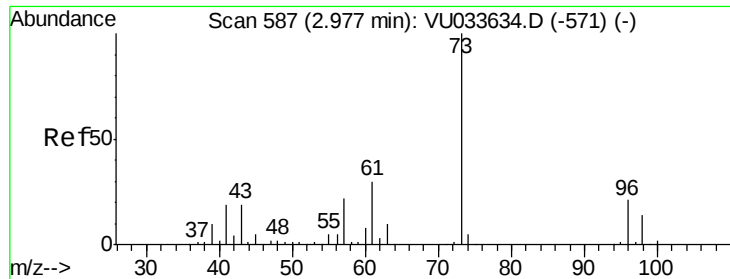
61 134.5 98.7 183.3

98 69.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

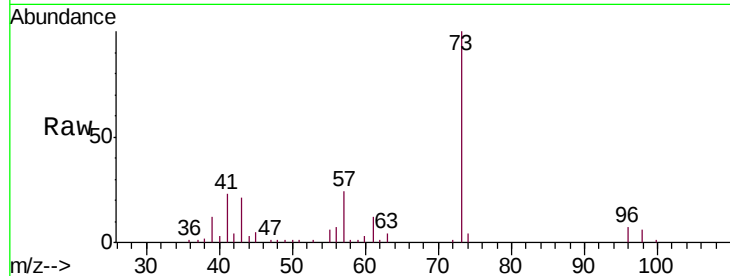




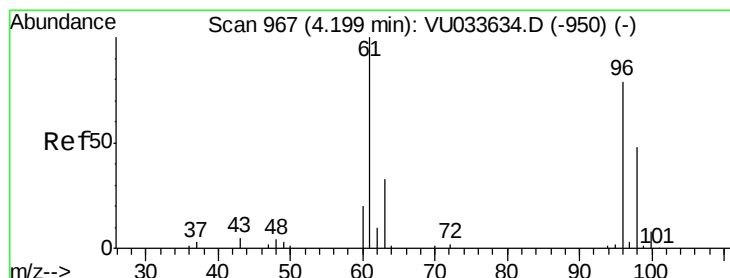
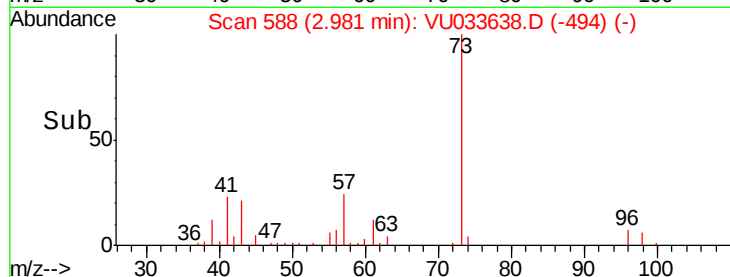
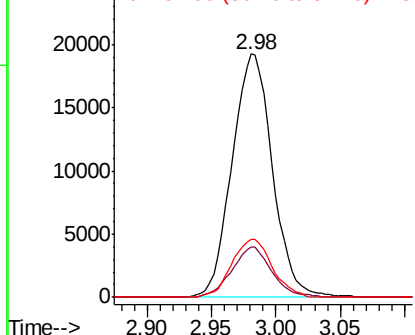
#18
Methyl tert-butyl Ether
Concen: 5.777 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
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MSVOA_U
ClientSampleId :
F2B04

Tgt Ion: 73 Resp: 41938
Ion Ratio Lower Upper
73 100
43 20.5 15.5 23.3
57 23.9 18.0 27.0

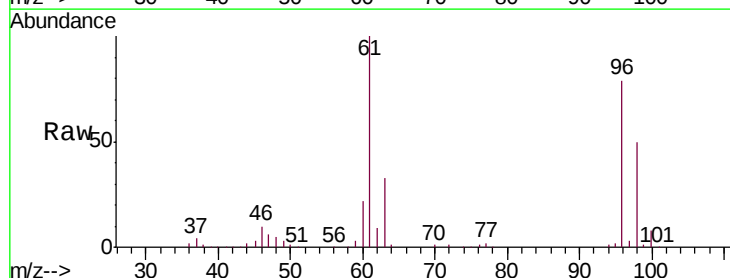


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

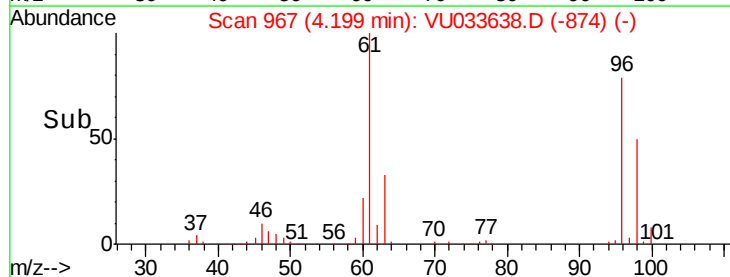
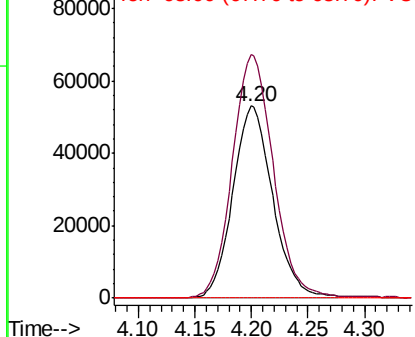


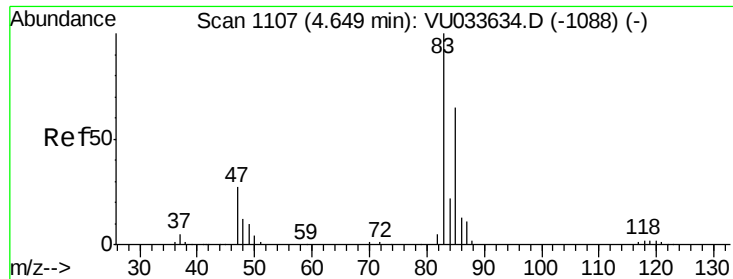
#20
cis-1,2-Dichloroethene
Concen: 49.965 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033638.D
Acq: 08 Aug 2019 15:29

Tgt Ion: 96 Resp: 130039
Ion Ratio Lower Upper
96 100
61 126.9 93.0 172.8
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#25

Chloroform

Concen: 5.013 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033638.D

Acq: 08 Aug 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

F2B04

Tgt Ion: 83 Resp: 23678

Ion Ratio Lower Upper

83 100

85 66.5 47.2 87.6

