

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081019\
 Data File : VU033721.D
 Acq On : 10 Aug 2019 11:13
 Operator : JC/SP
 Sample : K4289-02DLRE 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B10DLRE

Quant Time: Aug 11 06:07:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:24:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	329046	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	322578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	157791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	161778	66.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	133.58%
7) Chloroethane-d5	1.67	69	153628	63.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	126.56%
11) 1,1-Dichloroethene-d2	2.26	63	213389	52.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.78%
21) 2-Butanone-d5	4.15	46	250383	166.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	166.74%#
24) Chloroform-d	4.62	84	258337	71.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	143.58%#
26) 1,2-Dichloroethane-d4	5.29	65	170325	75.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	151.38%#
32) Benzene-d6	5.32	84	542211	71.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	142.44%#
36) 1,2-Dichloropropane-d6	6.31	67	174609	74.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	149.48%#
41) Toluene-d8	7.55	98	485602	67.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	135.64%#
43) trans-1,3-Dichloropropene-	7.83	79	83935	71.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	142.30%#
47) 2-Hexanone-d5	8.30	63	187329	154.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	154.81%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	252969	73.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	146.40%#
64) 1,2-Dichlorobenzene-d4	11.84	152	194104	73.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	146.18%#

Target Compounds

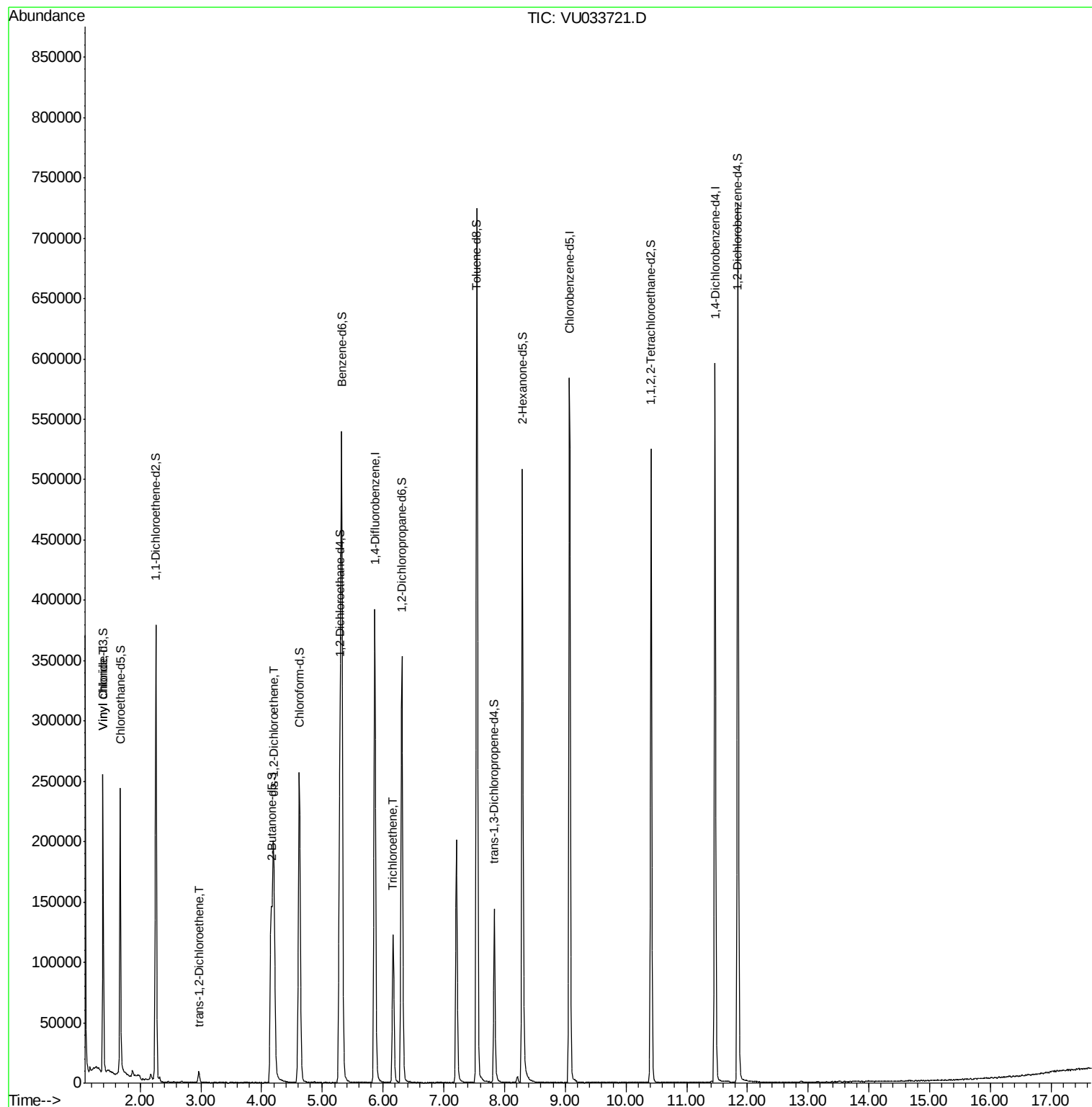
					Ovalue
5) Vinyl chloride	1.40	62	3143	1.135 ug/L	# 9
17) trans-1,2-Dichloroethene	2.97	96	4171	2.011 ug/L	89
20) cis-1,2-Dichloroethene	4.20	96	99928	42.245 ug/L	97
34) Trichloroethene	6.17	95	42776	18.059 ug/L	95

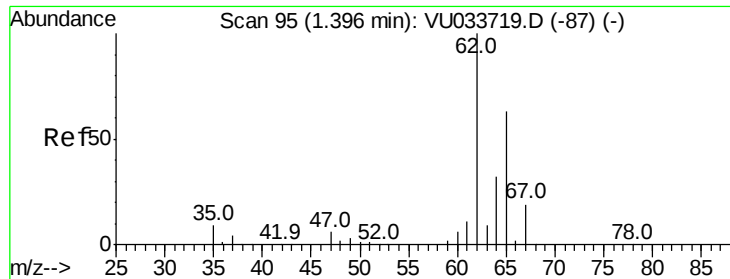
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.135 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

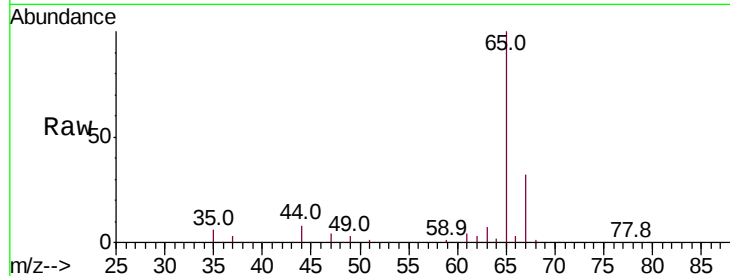
F2B10DLRE

Tot Ion: 62 Resp: 3143

Ion Ratio Lower Upper

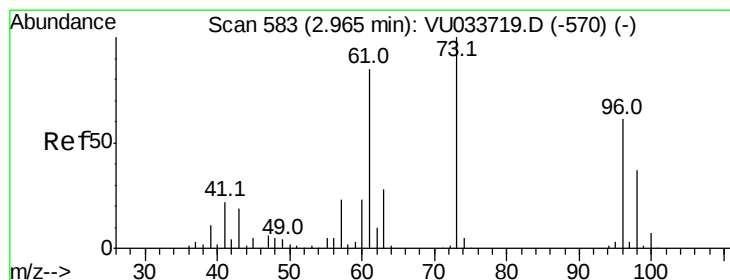
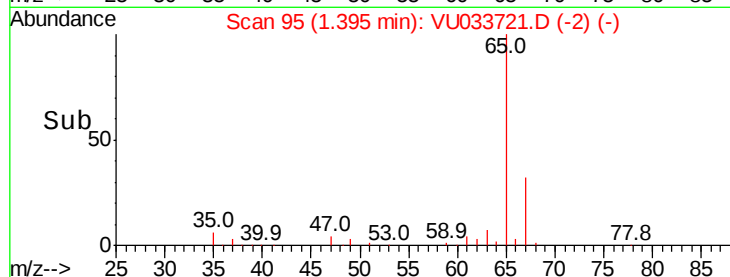
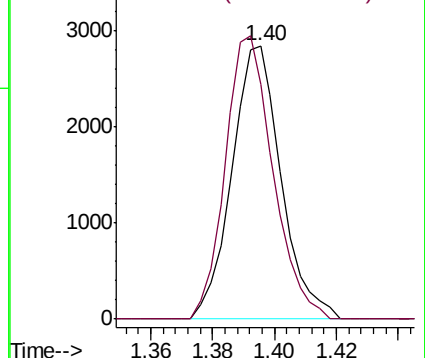
62 100

64 85.8 23.7 43.9#



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: 2.011 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033721.D

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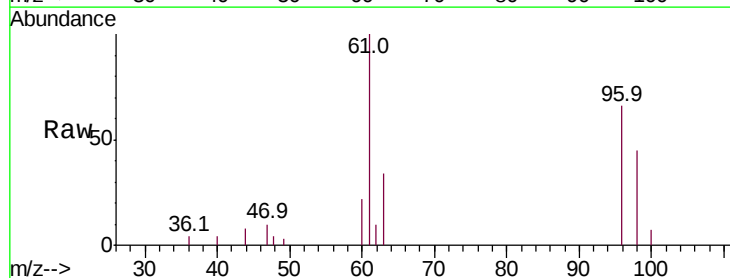
Tgt Ion: 96 Resp: 4171

Ion Ratio Lower Upper

96 100

61 151.9 95.6 177.6

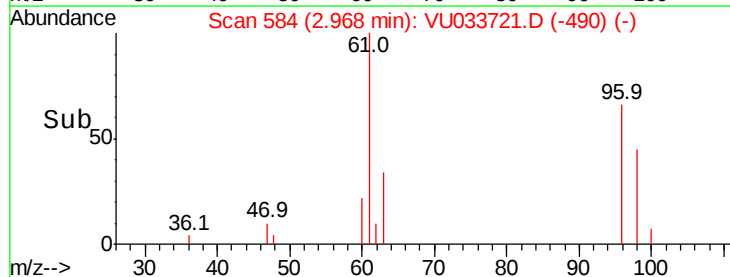
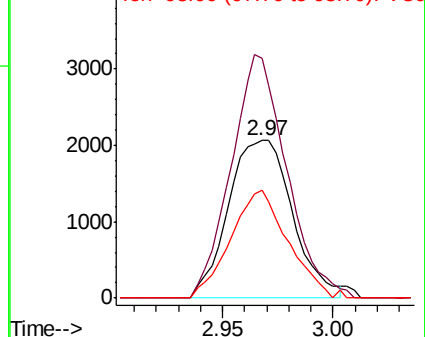
98 68.4 44.6 82.8

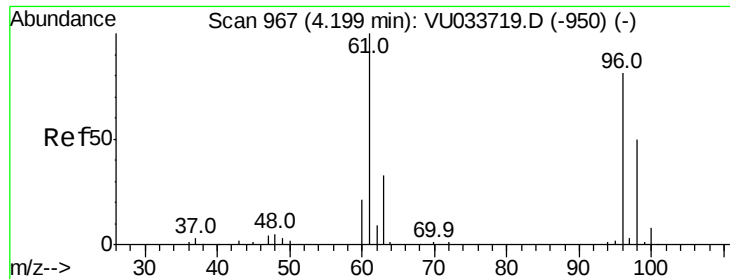


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

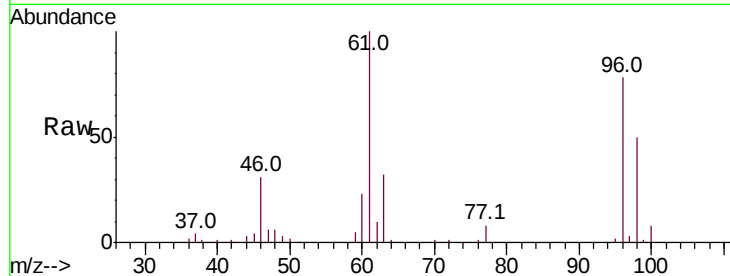




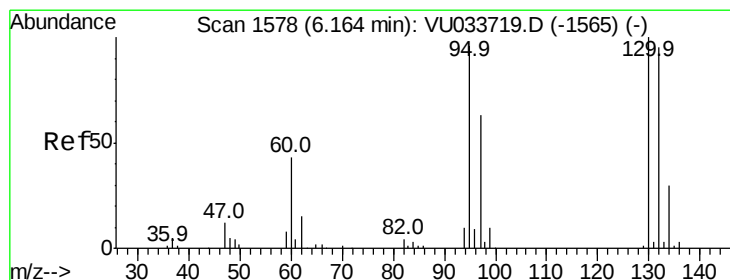
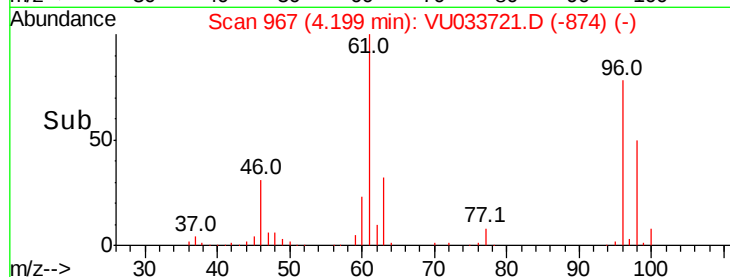
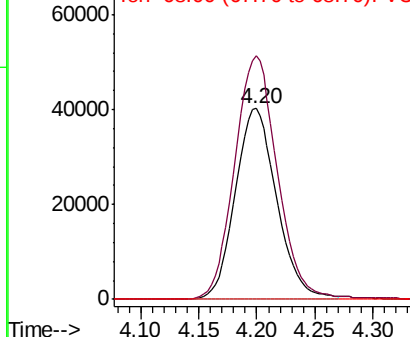
#20
 cis-1,2-Dichloroethene
 Concen: 42.245 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033721.D
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Tot Ion: 96 Resp: 99928
 Ion Ratio Lower Upper
 96 100
 61 127.5 87.0 161.6
 68 0.0 0.0 0.0

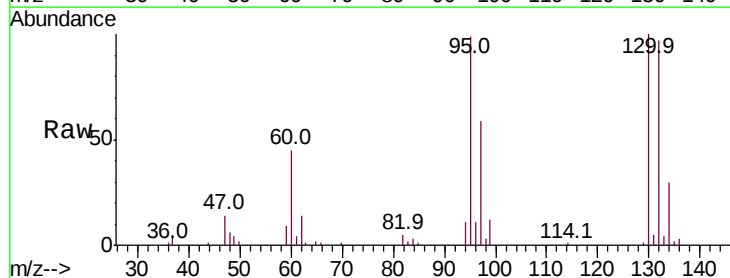


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34
 Trichloroethene
 Concen: 18.059 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033721.D
 Acq: 10 Aug 2019 11:13

Tgt Ion: 95 Resp: 42776
 Ion Ratio Lower Upper
 95 100
 97 60.1 45.6 84.8
 132 97.6 72.0 133.8
 130 101.1 74.3 138.1



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

