

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033751.D
 Acq On : 11 Aug 2019 14:48
 Operator : JC/SP
 Sample : K4289-01RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B09RE

Quant Time: Aug 12 05:54:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	271849	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	275161	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121175	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36045	18.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	36.02%#
7) Chloroethane-d5	1.67	69	43217	21.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	43.10%#
11) 1,1-Dichloroethene-d2	2.26	63	53496	15.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	31.80%#
21) 2-Butanone-d5	4.14	46	157327	126.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.82%
24) Chloroform-d	4.62	84	123809	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.29	65	81923	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
32) Benzene-d6	5.32	84	192882	29.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.40%#
36) 1,2-Dichloropropane-d6	6.31	67	80204	40.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.50%
41) Toluene-d8	7.55	98	149984	24.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.12%#
43) trans-1,3-Dichloropropene-	7.83	79	31310	31.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.22%
47) 2-Hexanone-d5	8.29	63	104705	101.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.44%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	159888	54.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	90840	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%

Target Compounds

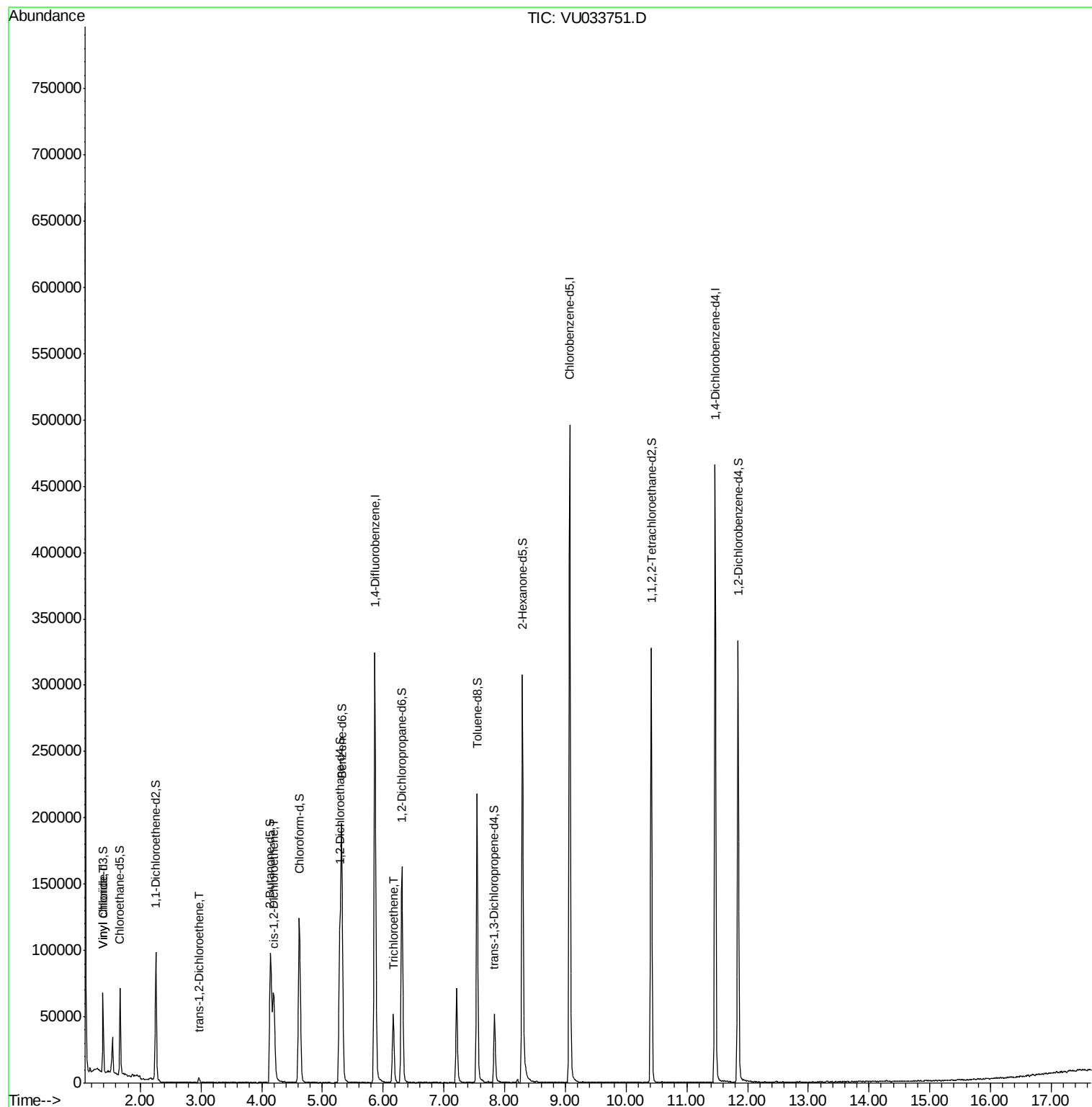
					Ovalue
5) Vinyl chloride	1.40	62	3008	1.314 ug/L	86
17) trans-1,2-Dichloroethene	2.97	96	1662	0.970 ug/L	89
20) cis-1,2-Dichloroethene	4.20	96	34986	17.903 ug/L	99
34) Trichloroethene	6.17	95	17639	8.730 ug/L	94

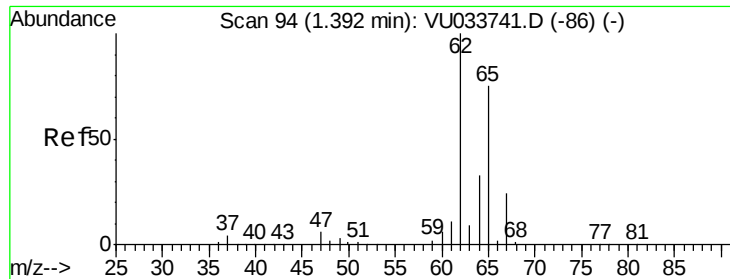
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.314 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033751.D

Acq: 11 Aug 2019 14:48

Instrument :

MSVOA_U

ClientSampled :

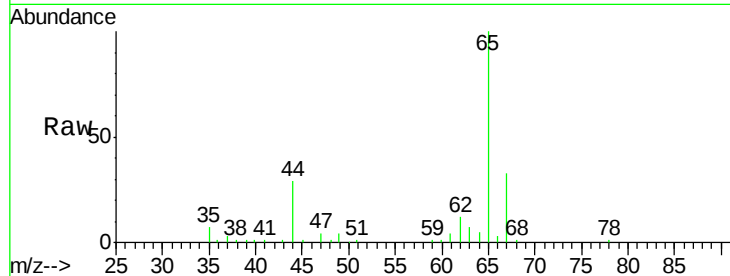
F2B09RE

Tot Ion: 62 Resp: 3008

Ion Ratio Lower Upper

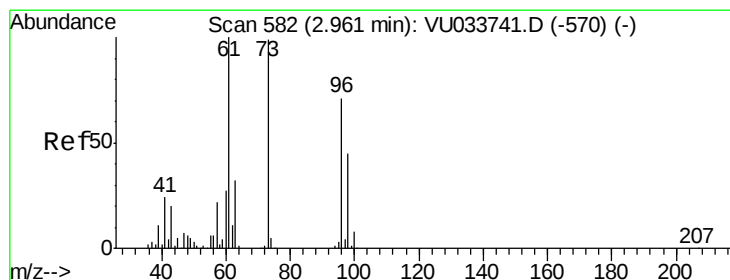
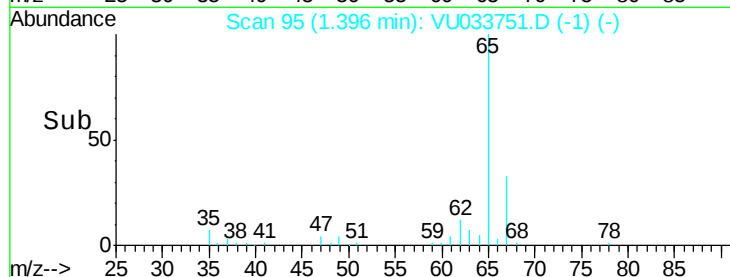
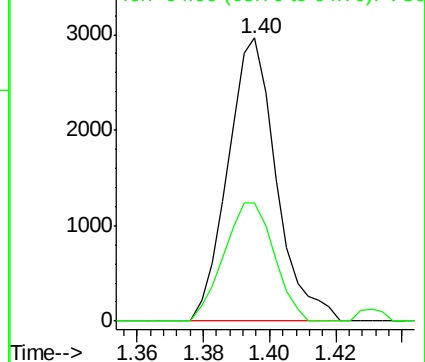
62 100

64 41.7 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: 0.970 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033751.D

Acq: 11 Aug 2019 14:48

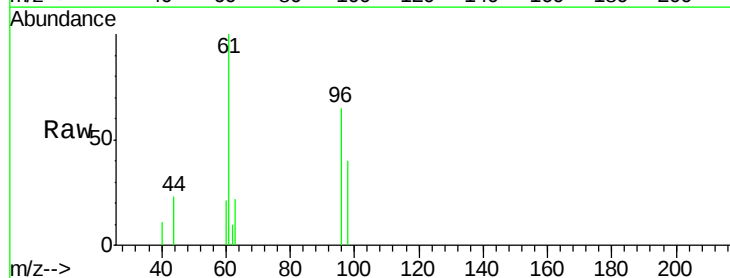
Tgt Ion: 96 Resp: 1662

Ion Ratio Lower Upper

96 100

61 153.8 95.6 177.6

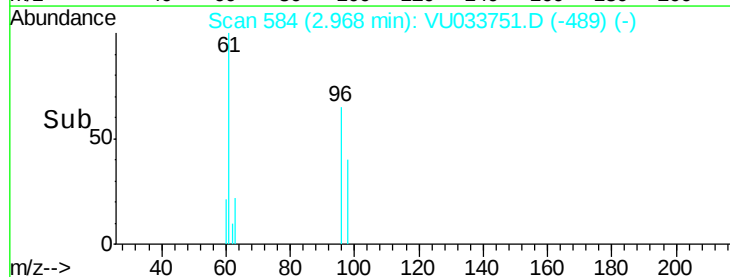
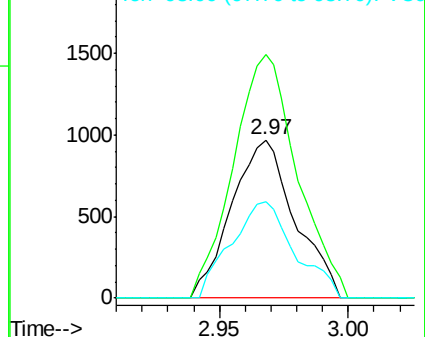
98 61.0 44.6 82.8

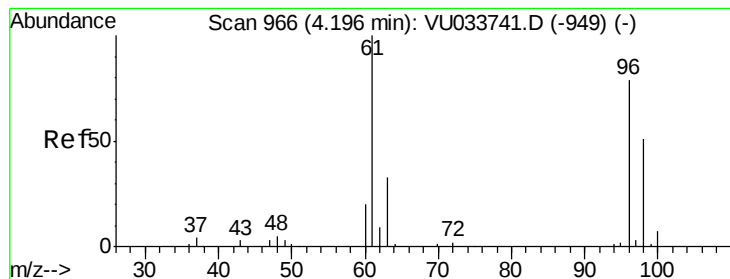


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



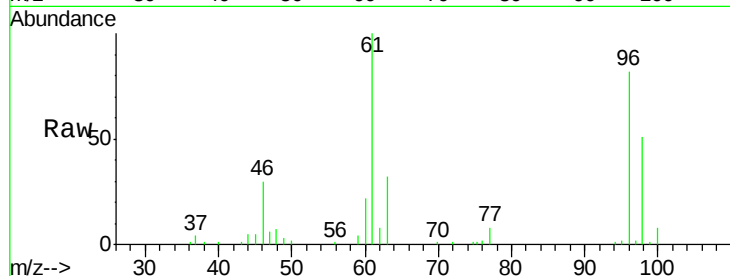


#20

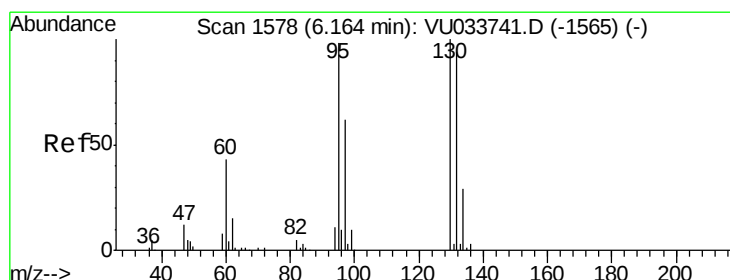
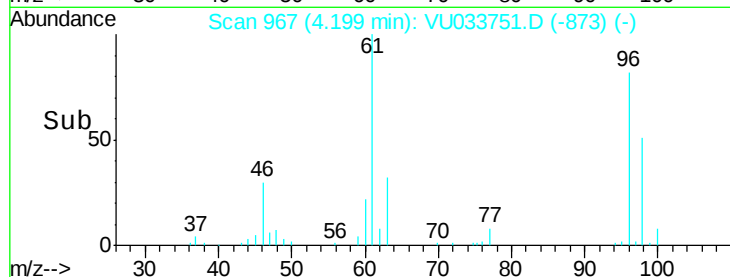
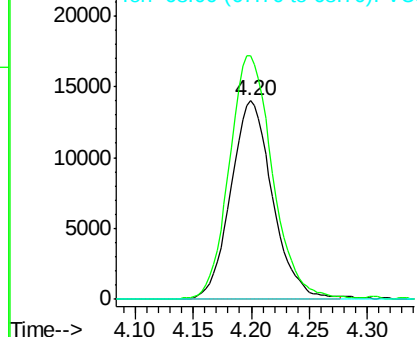
cis-1,2-Dichloroethene
 Concen: 17.903 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
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Tot Ion: 96 Resp: 34986
 Ion Ratio Lower Upper
 96 100
 61 122.6 87.0 161.6
 68 0.0 0.0 0.0



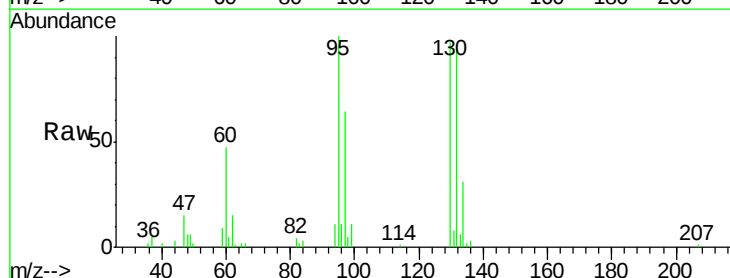
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
 Concen: 8.730 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033751.D
 Acq: 11 Aug 2019 14:48

Tgt Ion: 95 Resp: 17639
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.6 84.8
 132 96.4 72.0 133.8
 130 96.8 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

