

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080919\
 Data File : VU033716.D
 Acq On : 10 Aug 2019 04:18
 Operator : JC/SP
 Sample : K4289-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B30

Quant Time: Aug 12 03:39:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 04:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	325932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	316402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	156741	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116774	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.67	69	105909	44.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.08%
11) 1,1-Dichloroethene-d2	2.26	63	155241	38.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.96%
21) 2-Butanone-d5	4.15	46	239005	160.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	160.69%#
24) Chloroform-d	4.62	84	217044	60.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.78%
26) 1,2-Dichloroethane-d4	5.29	65	145409	65.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	130.48%#
32) Benzene-d6	5.32	84	438334	58.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.40%
36) 1,2-Dichloropropane-d6	6.31	67	147380	64.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	128.64%#
41) Toluene-d8	7.55	98	391748	55.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.56%
43) trans-1,3-Dichloropropene-	7.83	79	66854	57.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.54%
47) 2-Hexanone-d5	8.29	63	176796	148.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	148.95%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	229948	67.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	135.66%#
64) 1,2-Dichlorobenzene-d4	11.85	152	169827	64.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.76%#

Target Compounds

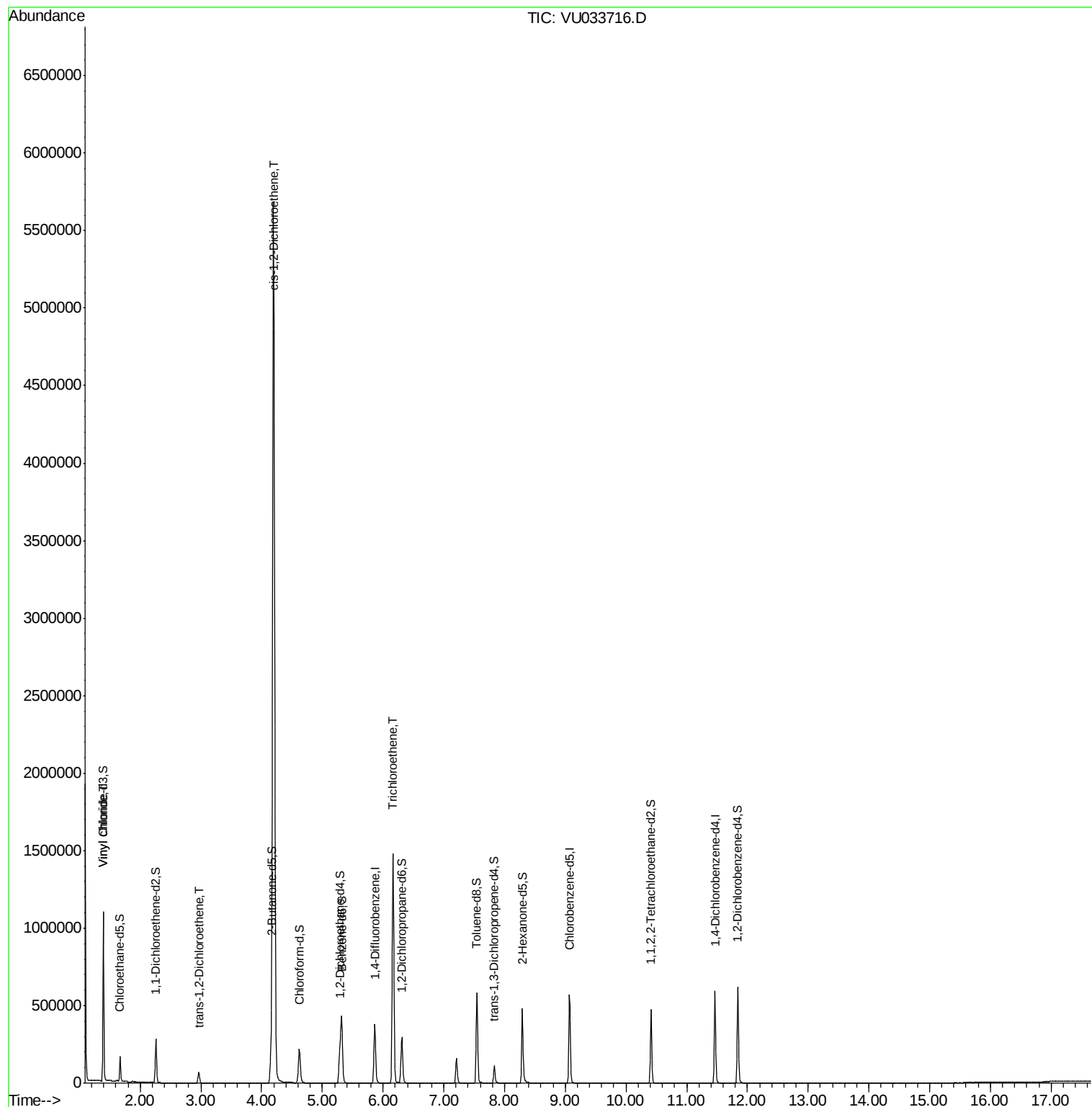
					Qvalue
5) Vinyl chloride	1.39	62	607358	221.363 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	27497	13.386 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	3147185	1343.206 ug/L	93
34) Trichloroethene	6.16	95	499190	214.860 ug/L	97

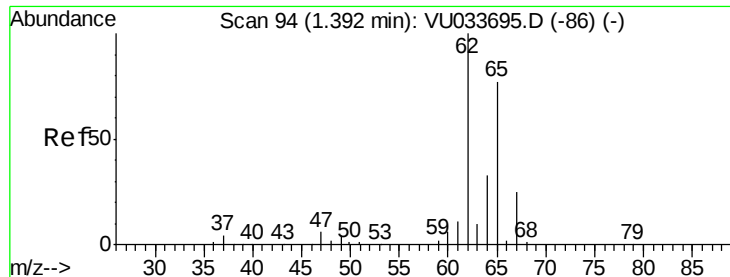
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 221.363 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033716.D

Acq: 10 Aug 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

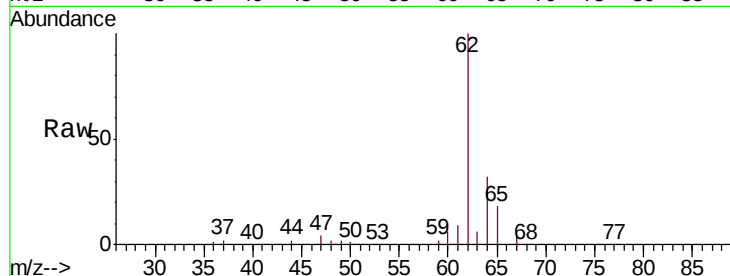
F2B30

Tgt Ion: 62 Resp: 607358

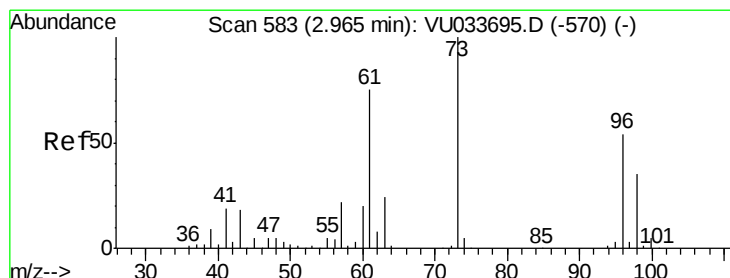
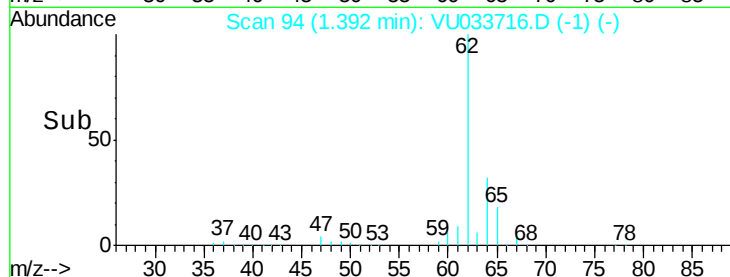
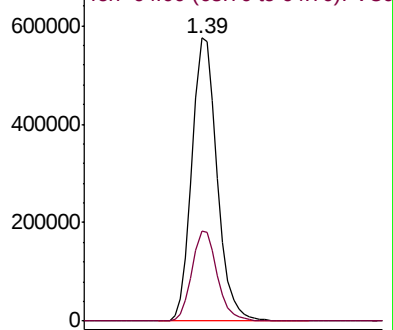
Ion Ratio Lower Upper

62 100

64 31.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033716.D (-1) (-)



#17

trans-1,2-Dichloroethene

Concen: 13.386 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033716.D

Acq: 10 Aug 2019 04:18

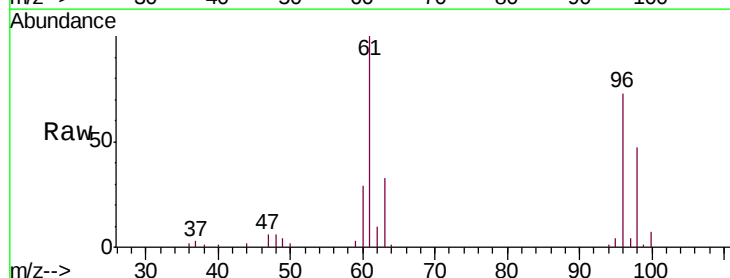
Tgt Ion: 96 Resp: 27497

Ion Ratio Lower Upper

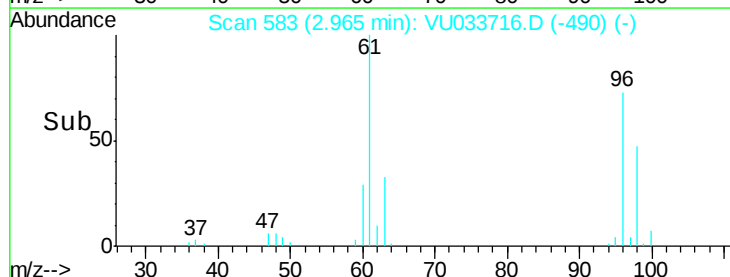
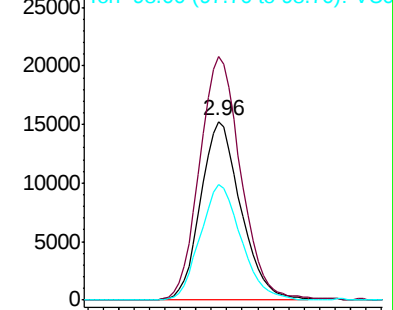
96 100

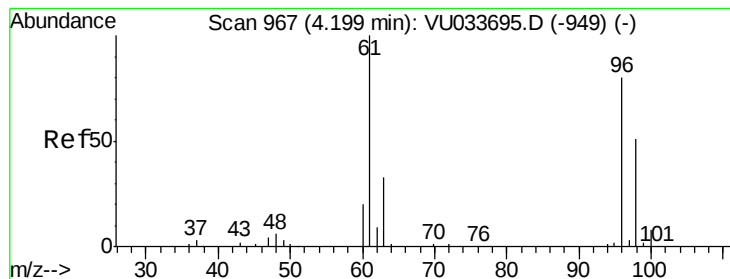
61 136.5 95.6 177.6

98 64.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033716.D (-490) (-)



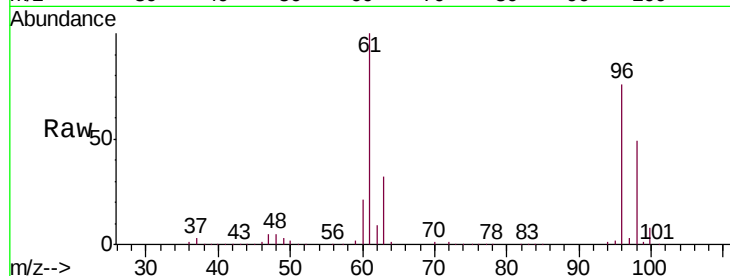


#20

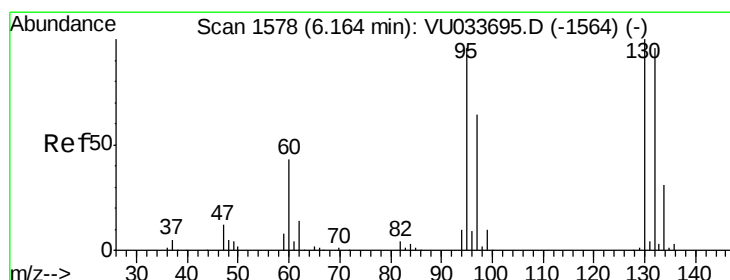
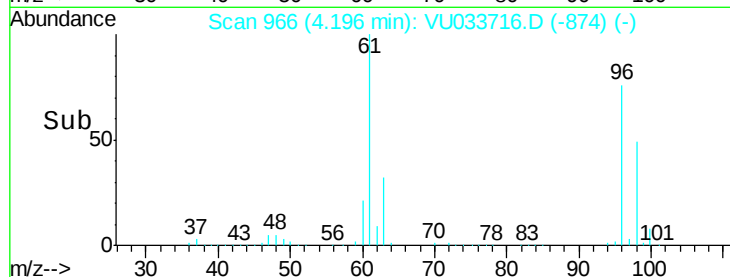
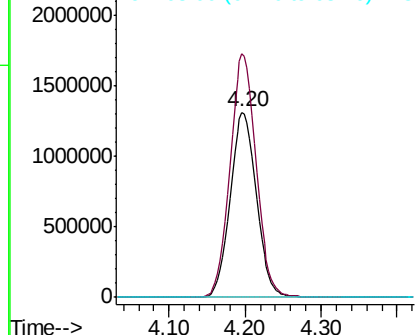
cis-1,2-Dichloroethene
 Concen: 1343.206 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033716.D
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Instrument :
 MSVOA_U
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Tgt Ion: 96 Resp: 3147185
 Ion Ratio Lower Upper
 96 100
 61 131.8 87.0 161.6
 68 0.0 0.0 0.0



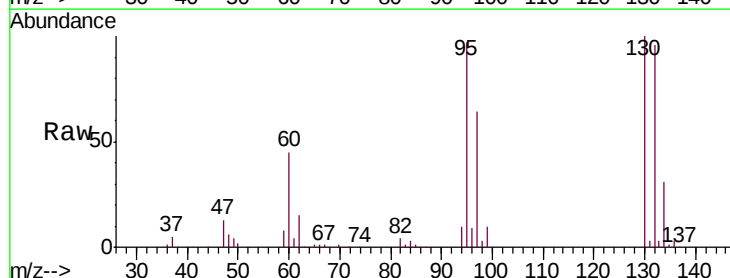
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
 Concen: 214.860 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033716.D
 Acq: 10 Aug 2019 04:18

Tgt Ion: 95 Resp: 499190
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.6 84.8
 132 98.9 72.0 133.8
 130 102.8 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

