

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082119\
 Data File : VV012332.D
 Acq On : 21 Aug 2019 23:12
 Operator : SY/MD
 Sample : K4454-11
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C03

Quant Time: Aug 22 04:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 03:48:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	211155	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	196479	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	93637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47250	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.52%
7) Chloroethane-d5	1.58	69	36118	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.78%
11) 1,1-Dichloroethene-d2	2.13	63	74740	37.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.96%
21) 2-Butanone-d5	3.93	46	64376	82.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.62%
24) Chloroform-d	4.40	84	133925	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
26) 1,2-Dichloroethane-d4	5.08	65	102152	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
32) Benzene-d6	5.10	84	266236	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.12	67	72164	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.36	98	256460	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloropropene-	7.66	79	41084	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.13	63	55027	94.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99850	49.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.96%
64) 1,2-Dichlorobenzene-d4	11.67	152	107464	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

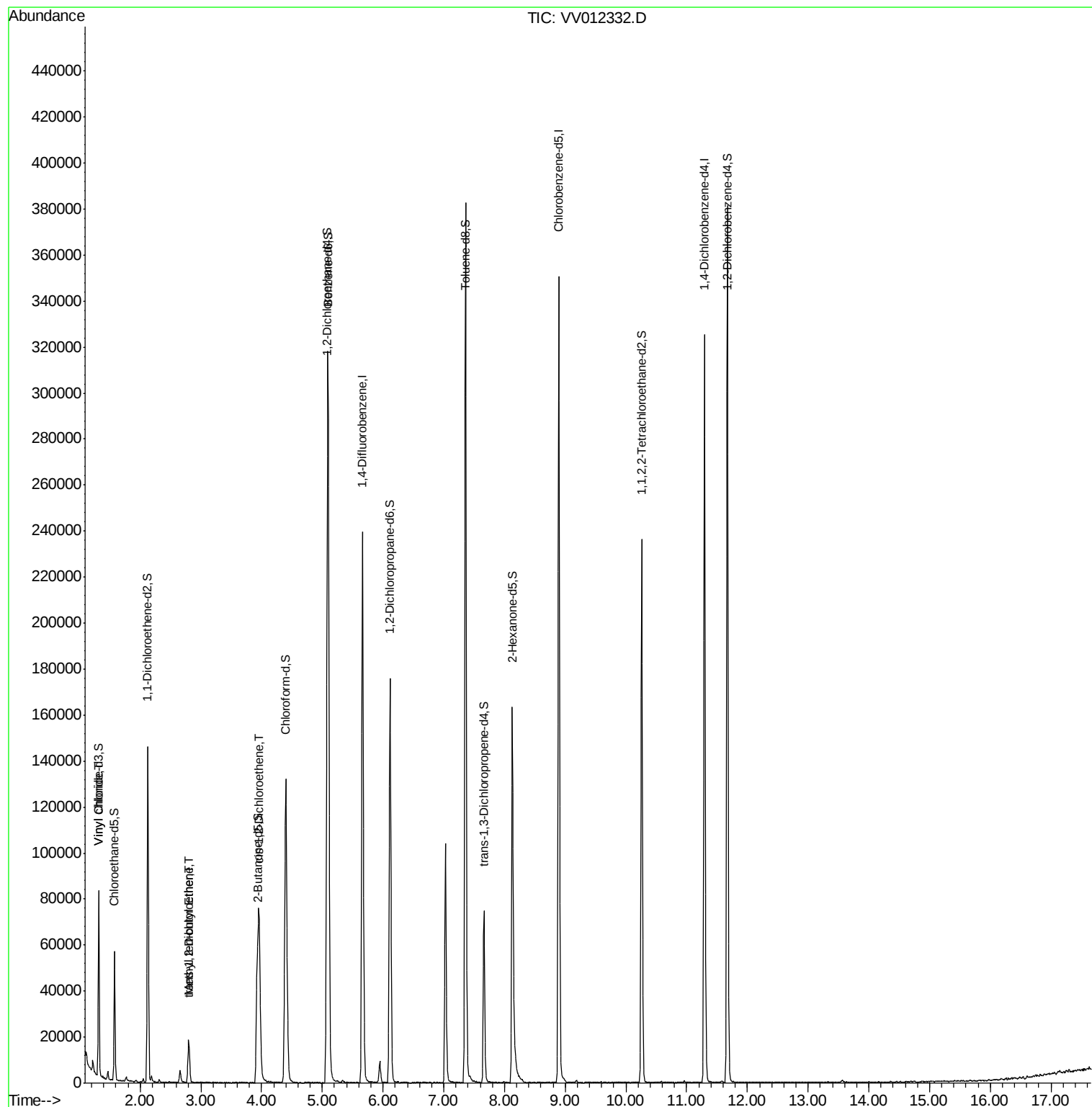
					Ovalue
5) Vinyl chloride	1.32	62	1921	1.884 ug/L	# 67
17) trans-1,2-Dichloroethene	2.79	96	693	0.539 ug/L	79
18) Methyl tert-butyl Ether	2.80	73	18510	4.347 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	32569	22.771 ug/L	99

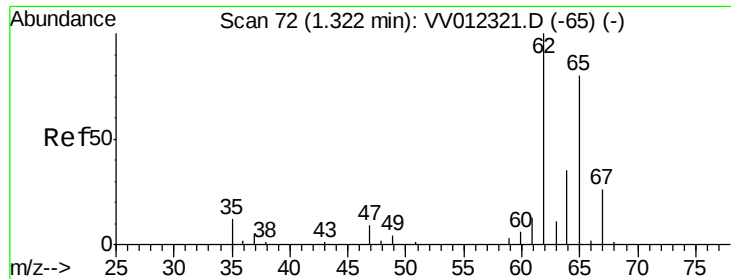
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.884 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampled :

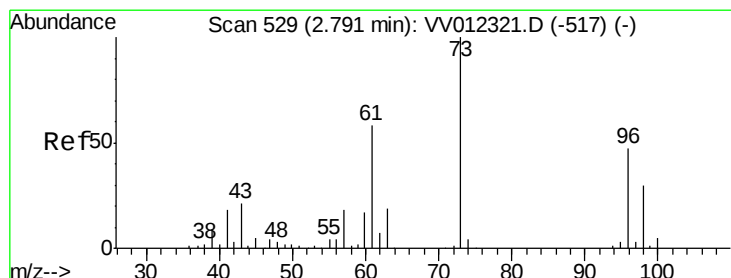
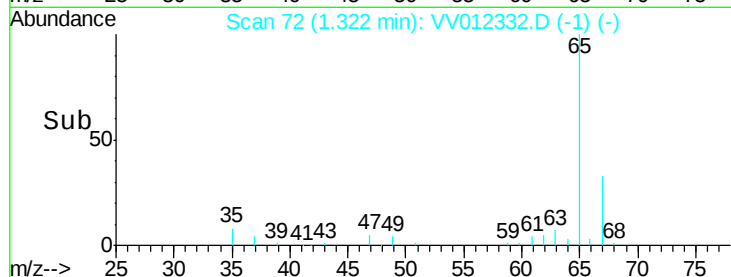
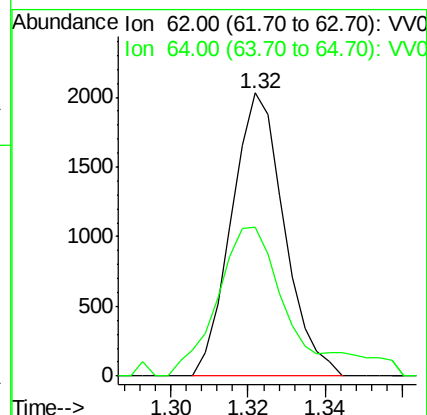
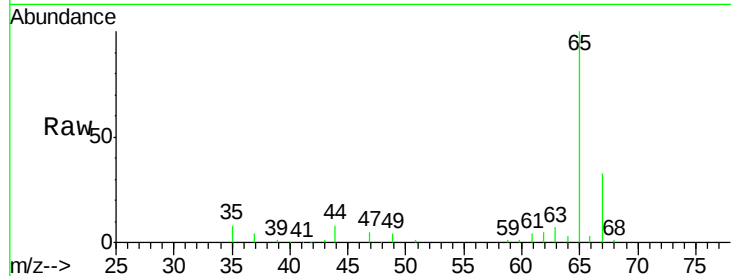
F2C03

Tot Ion: 62 Resp: 1921

Ion Ratio Lower Upper

62 100

64 52.5 23.5 43.7#



#17

trans-1,2-Dichloroethene

Concen: 0.539 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

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Acq: 21 Aug 2019 23:12

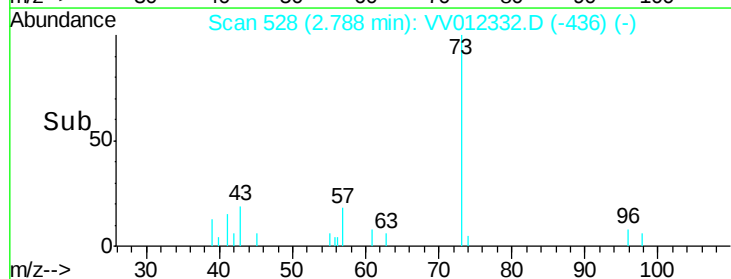
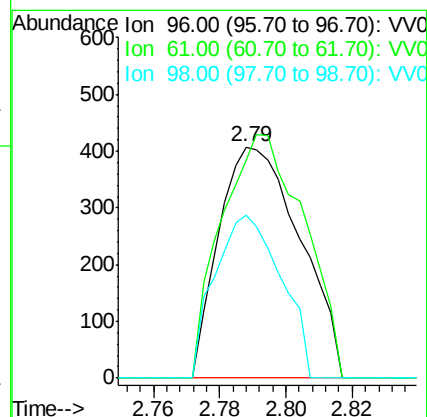
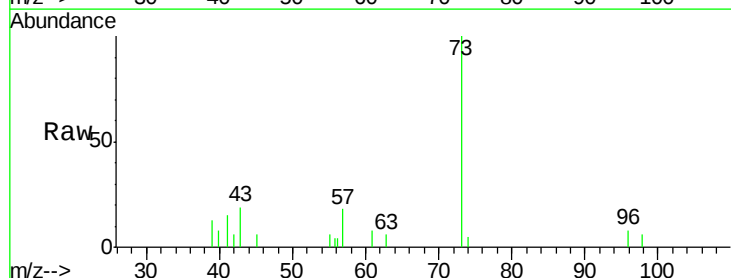
Tgt Ion: 96 Resp: 693

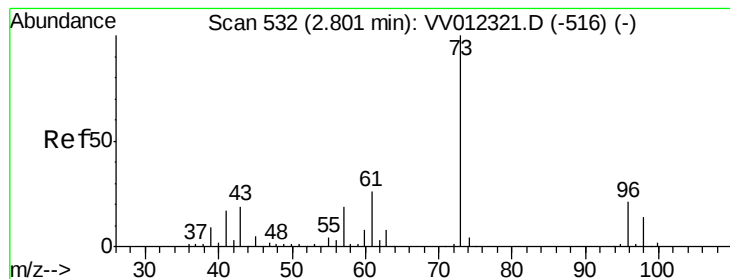
Ion Ratio Lower Upper

96 100

61 94.3 87.0 161.6

98 70.8 43.8 81.4



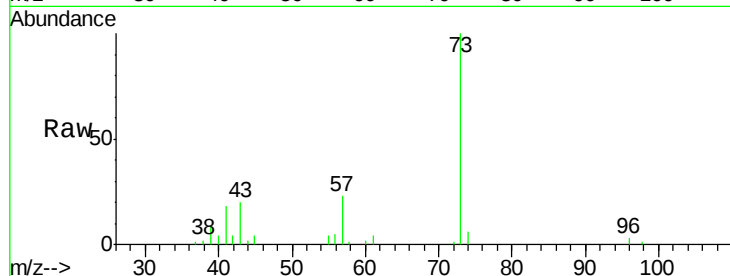


#18

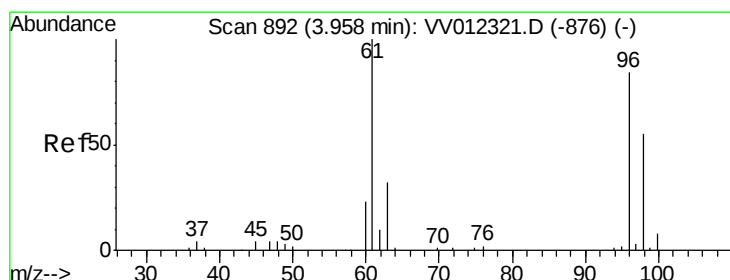
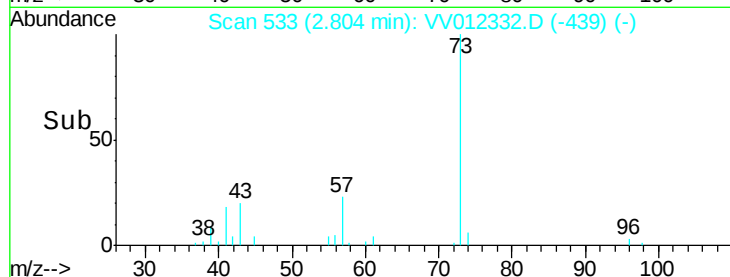
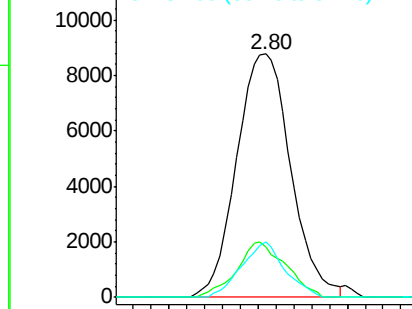
Methvl tert-butvl Ether
 Concen: 4.347 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV012332.D
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 F2C03

Tot Ion: 73 Resp: 18510
 Ion Ratio Lower Upper
 73 100
 43 20.5 16.6 25.0
 57 18.2 15.0 22.6



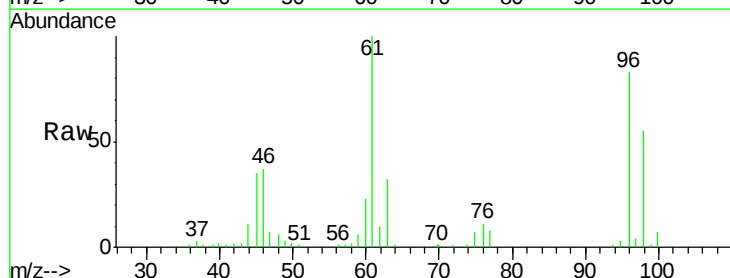
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



#20

cis-1,2-Dichloroethene
 Concen: 22.771 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012332.D
 Acq: 21 Aug 2019 23:12

Tgt Ion: 96 Resp: 32569
 Ion Ratio Lower Upper
 96 100
 61 121.2 84.4 156.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

