

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\
 Data File : VV012343.D
 Acq On : 22 Aug 2019 13:27
 Operator : SY/MD
 Sample : K4454-10DL 5X
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C02DL

Quant Time: Aug 23 07:10:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 06:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189420	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	182236	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	95724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39796	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.76%
7) Chloroethane-d5	1.55	69	27235	42.36	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.72%
11) 1,1-Dichloroethene-d2	2.12	63	61657	34.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.84%
21) 2-Butanone-d5	3.92	46	49593	70.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.95%
24) Chloroform-d	4.39	84	115282	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
26) 1,2-Dichloroethane-d4	5.07	65	91566	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
32) Benzene-d6	5.09	84	226281	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.11	67	60249	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.70%
41) Toluene-d8	7.36	98	220139	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%
43) trans-1,3-Dichloropropene-	7.66	79	36030	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.02%
47) 2-Hexanone-d5	8.13	63	44990	82.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.95%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	86162	46.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.08%
64) 1,2-Dichlorobenzene-d4	11.67	152	105086	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

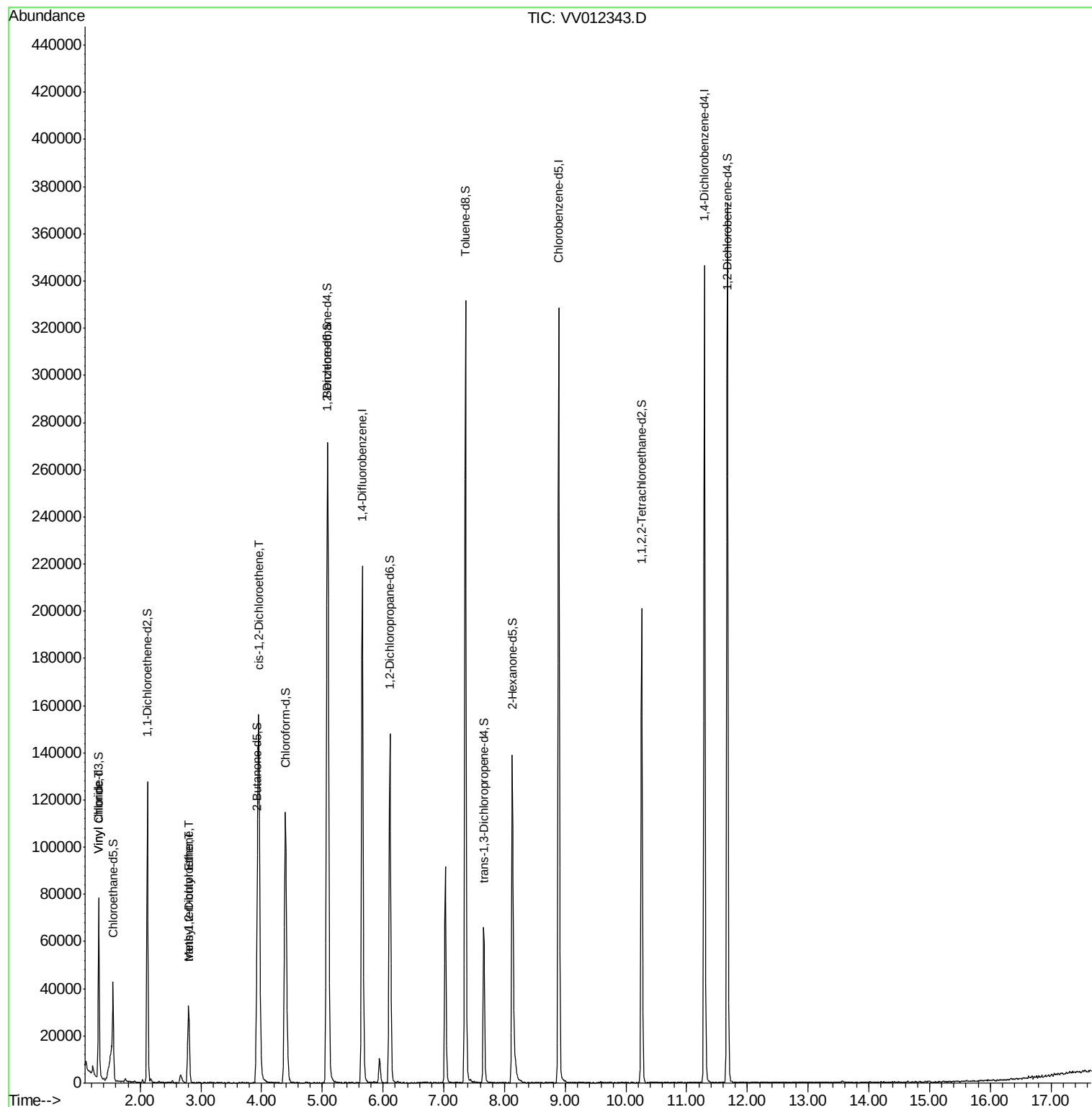
					Ovalue
5) Vinyl chloride	1.32	62	8862	9.687 ug/L	85
17) trans-1,2-Dichloroethene	2.79	96	1517	1.316 ug/L	91
18) Methyl tert-butyl Ether	2.80	73	29405	7.698 ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	82179	64.049 ug/L	94

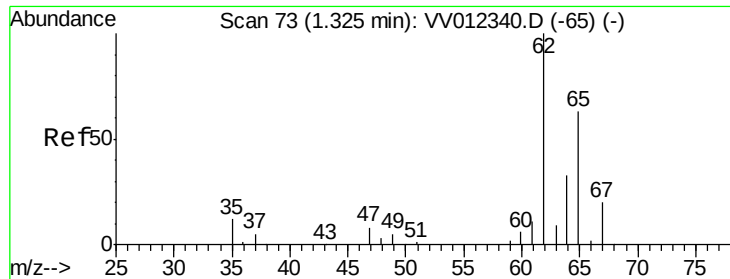
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.687 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012343.D

Acq: 22 Aug 2019 13:27

Instrument :

MSVOA_V

ClientSampled :

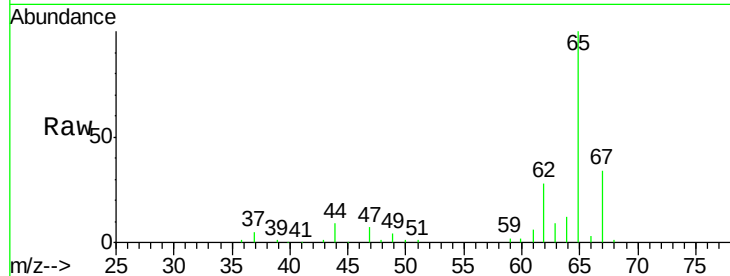
F2C02DL

Tot Ion: 62 Resp: 8862

Ion Ratio Lower Upper

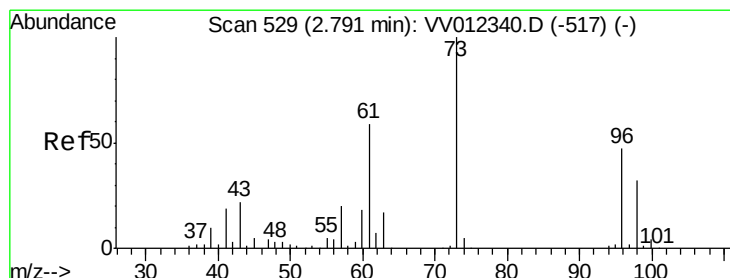
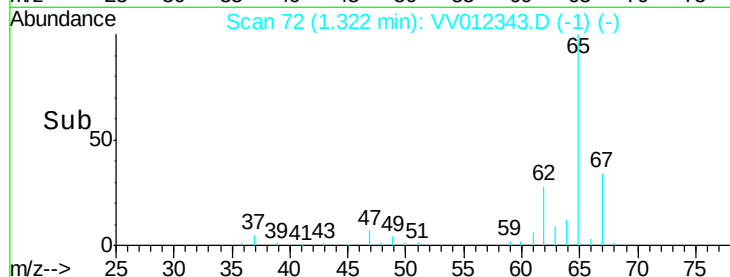
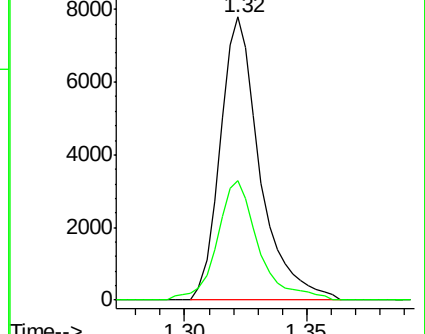
62 100

64 42.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.316 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012343.D

Acq: 22 Aug 2019 13:27

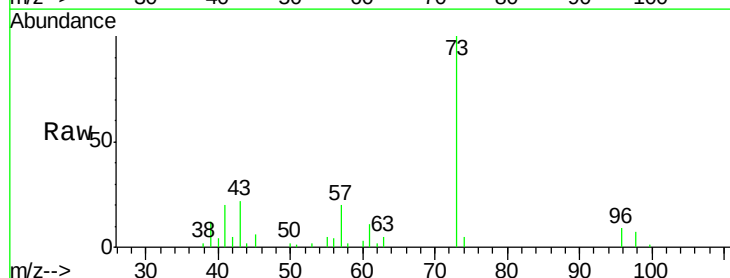
Tgt Ion: 96 Resp: 1517

Ion Ratio Lower Upper

96 100

61 127.7 87.0 161.6

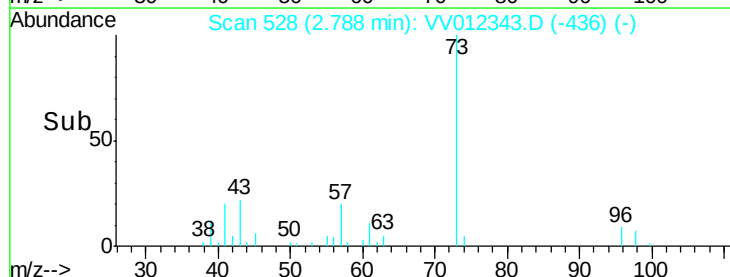
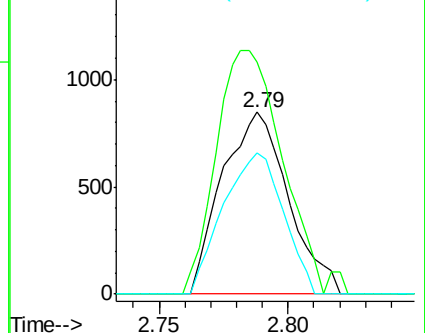
98 78.0 43.8 81.4

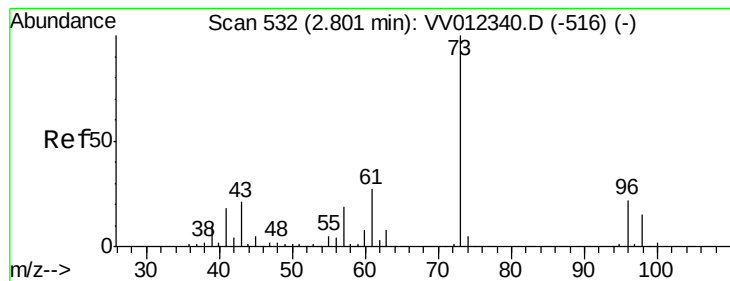


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#18

Methyl tert-butyl Ether

Concen: 7.698 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

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Acq: 22 Aug 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

F2C02DL

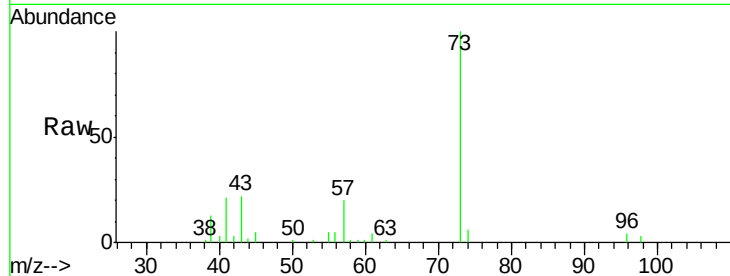
Tot Ion: 73 Resp: 29405

Ion Ratio Lower Upper

73 100

43 22.6 16.6 25.0

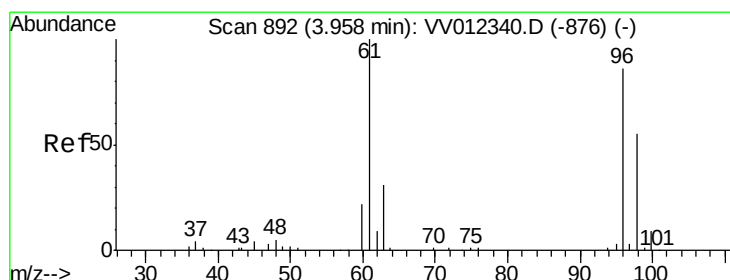
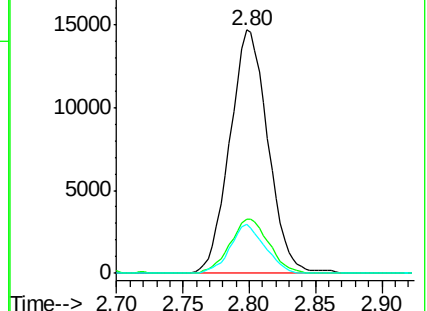
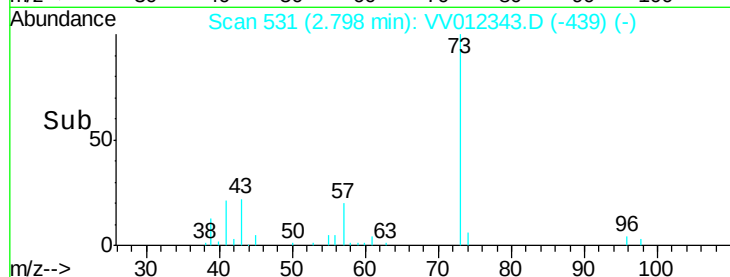
57 18.3 15.0 22.6



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: 64.049 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

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Acq: 22 Aug 2019 13:27

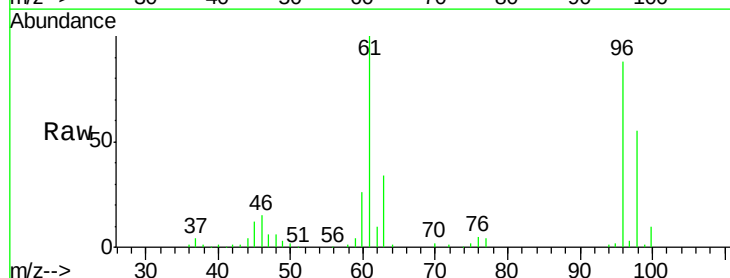
Tgt Ion: 96 Resp: 82179

Ion Ratio Lower Upper

96 100

61 114.2 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

