

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082119\
 Data File : VV012331.D
 Acq On : 21 Aug 2019 22:47
 Operator : SY/MD
 Sample : K4454-10
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C02

Quant Time: Aug 27 07:50:39 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	213262	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48091	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.26%
7) Chloroethane-d5	1.58	69	36354	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.13	63	74970	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.44%
21) 2-Butanone-d5	3.93	46	70103	89.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.08%
24) Chloroform-d	4.40	84	133825	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
26) 1,2-Dichloroethane-d4	5.08	65	101963	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.10	84	263957	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.12	67	72197	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.36	98	256337	50.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.18%
43) trans-1,3-Dichloropropene-	7.66	79	40501	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
47) 2-Hexanone-d5	8.13	63	56763	97.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101879	50.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	108937	53.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.56%

Target Compounds

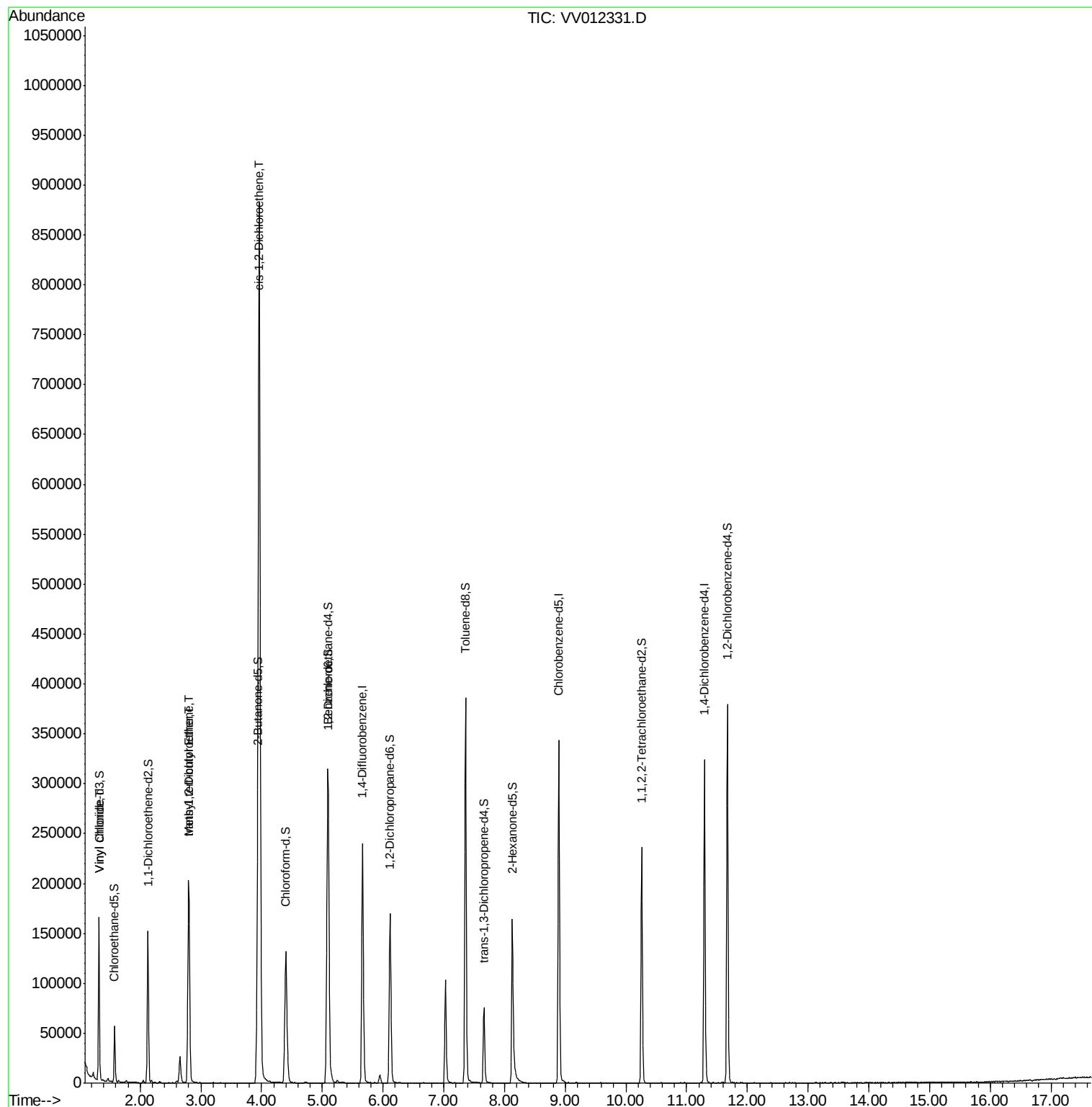
					Qvalue
5) Vinyl chloride	1.32	62	55867	54.240 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	8537	6.576 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	192939	44.864 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	508456	351.982 ug/L	95

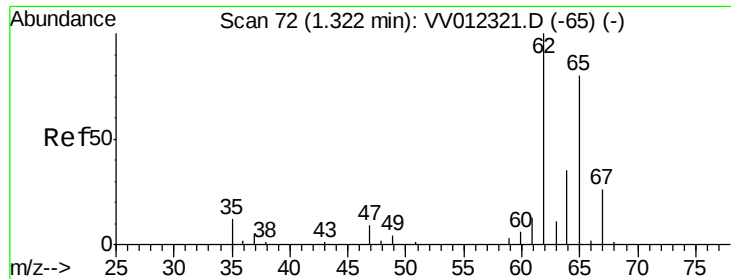
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 54.240 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

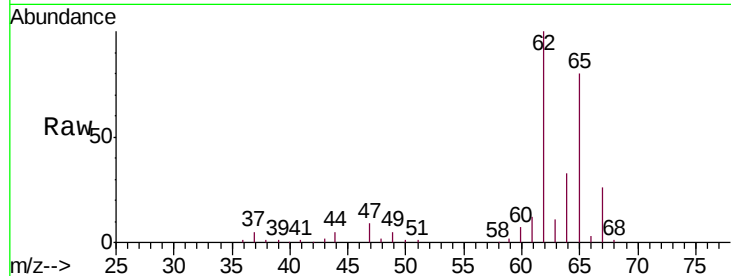
Instrument :
MSVOA_V
ClientSampled :
F2C02

Tgt Ion: 62 Resp: 55867

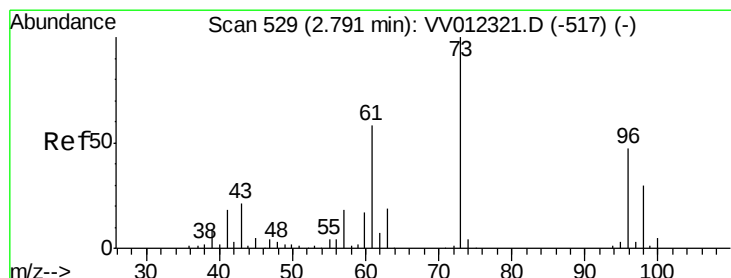
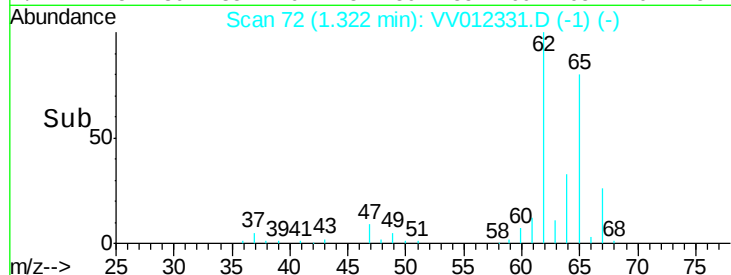
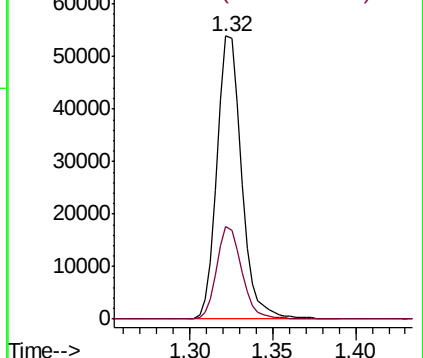
Ion Ratio Lower Upper

62 100

64 32.5 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: 6.576 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

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Acq: 21 Aug 2019 22:47

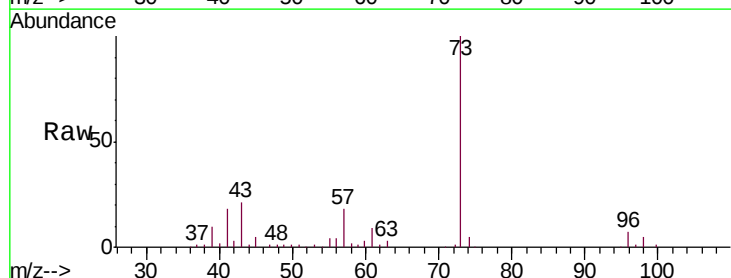
Tgt Ion: 96 Resp: 8537

Ion Ratio Lower Upper

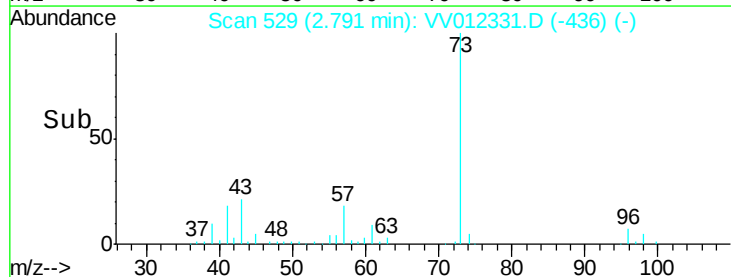
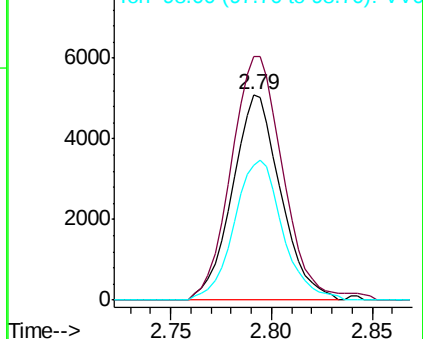
96 100

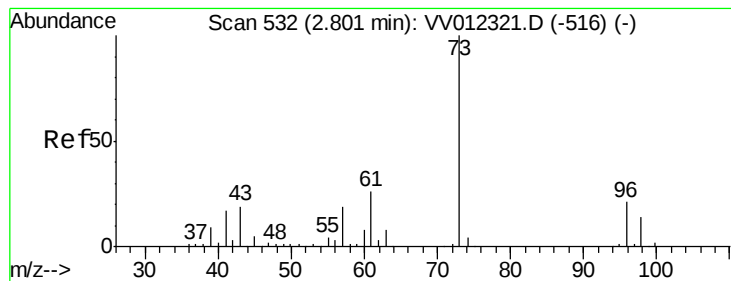
61 118.6 87.0 161.6

98 65.7 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: 44.864 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

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Acq: 21 Aug 2019 22:47

Instrument :

MSVOA_V

ClientSampled :

F2C02

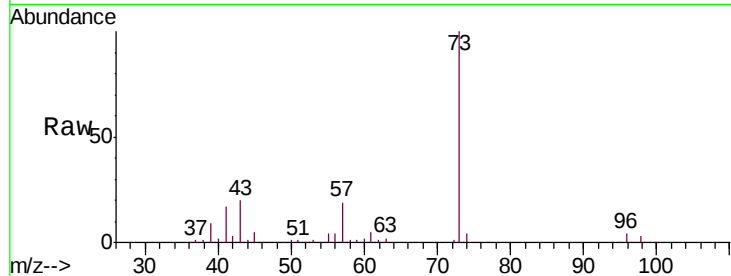
Tgt Ion: 73 Resp: 192939

Ion Ratio Lower Upper

73 100

43 20.5 16.6 25.0

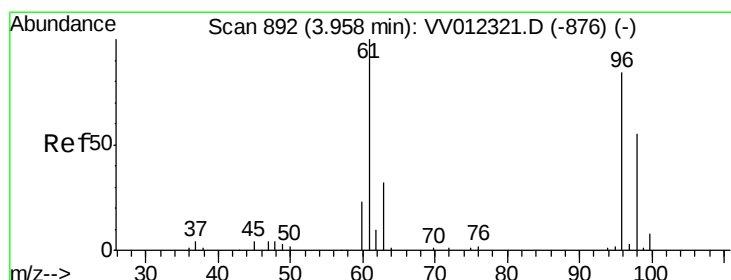
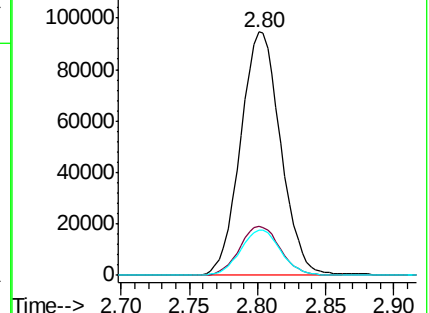
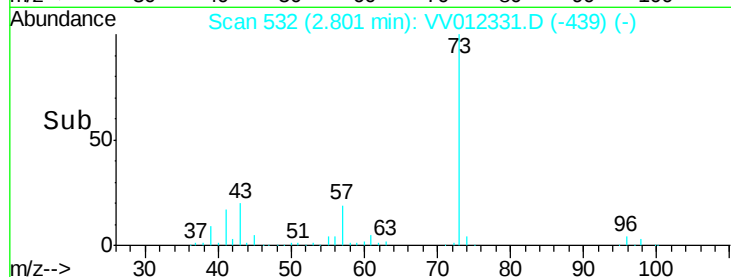
57 18.8 15.0 22.6



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: 351.982 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012331.D

Acq: 21 Aug 2019 22:47

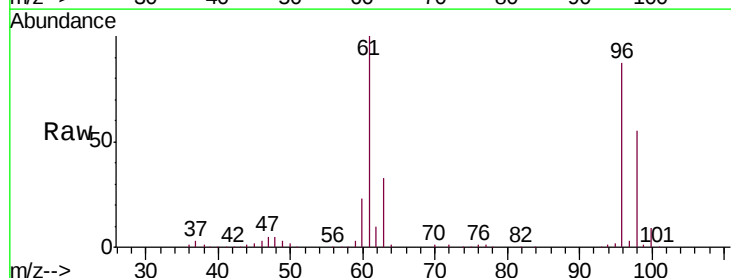
Tgt Ion: 96 Resp: 508456

Ion Ratio Lower Upper

96 100

61 115.4 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

