

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\
 Data File : VV012353.D
 Acq On : 22 Aug 2019 17:31
 Operator : SY/MD
 Sample : K4485-14
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2B92

Quant Time: Aug 23 07:35:31 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	174195	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	170891	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	78497	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34840	42.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.48%
7) Chloroethane-d5	1.58	69	27816	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.08%
11) 1,1-Dichloroethene-d2	2.13	63	57856	35.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.28%
21) 2-Butanone-d5	3.92	46	59543	92.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.63%
24) Chloroform-d	4.40	84	113754	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.08	65	90188	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.58%
32) Benzene-d6	5.10	84	217755	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	6.12	67	59083	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.88%
41) Toluene-d8	7.36	98	212030	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%
43) trans-1,3-Dichloropropene-	7.66	79	35250	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.88%
47) 2-Hexanone-d5	8.13	63	45245	88.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	84382	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	92414	53.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.10%

Target Compounds

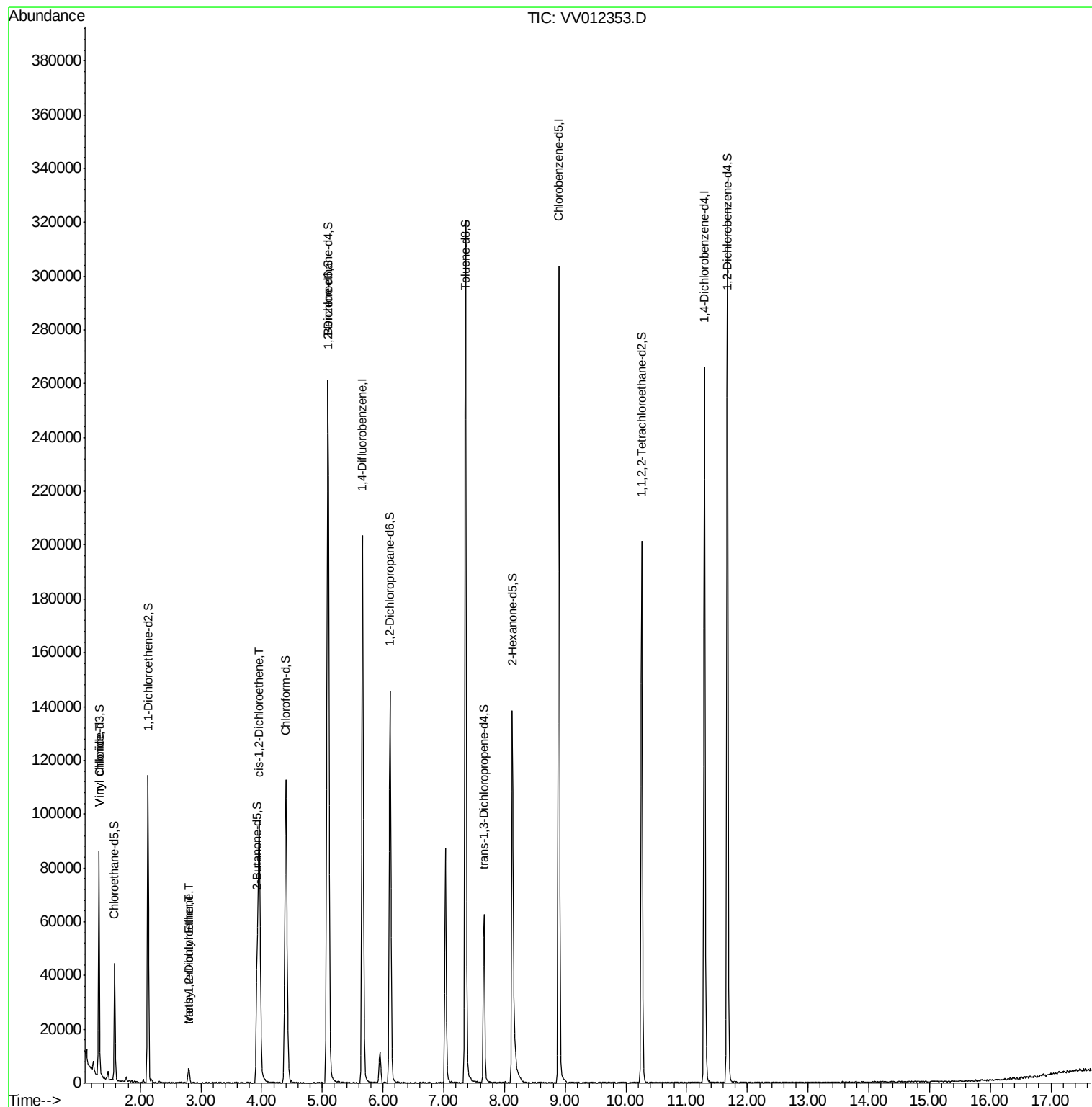
					Ovalue
5) Vinyl chloride	1.33	62	16448	19.550 ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	785	0.740 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	4185	1.191 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	50927	43.161 ug/L	94

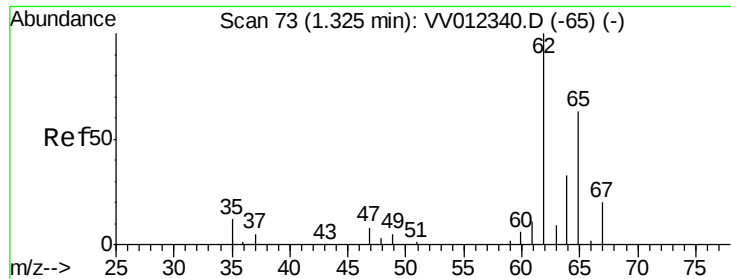
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 19.550 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV012353.D

Acq: 22 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampled :

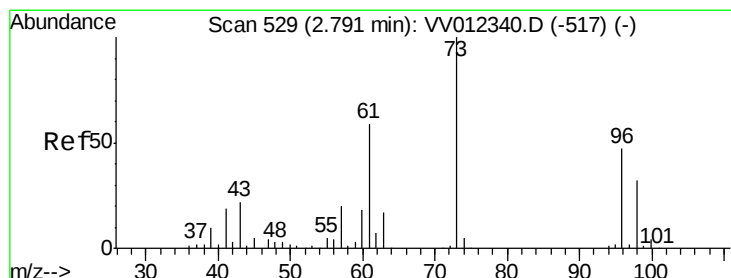
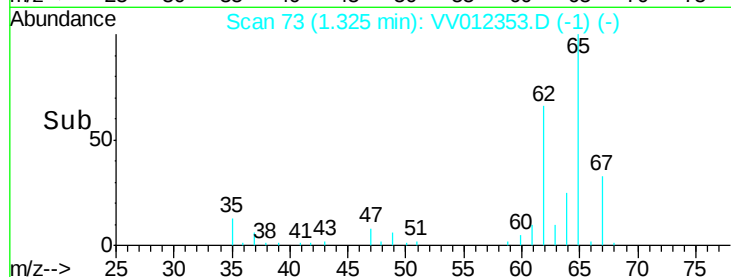
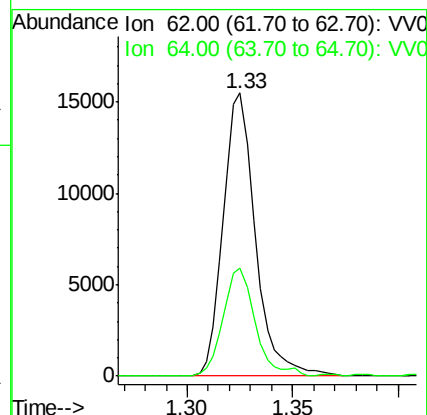
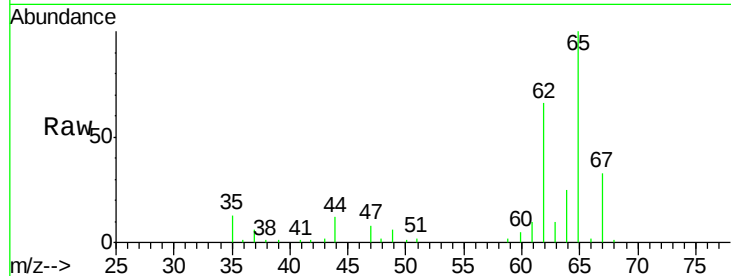
F2B92

Tot Ion: 62 Resp: 16448

Ion Ratio Lower Upper

62 100

64 38.2 23.5 43.7



#17

trans-1,2-Dichloroethene

Concen: 0.740 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

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Acq: 22 Aug 2019 17:31

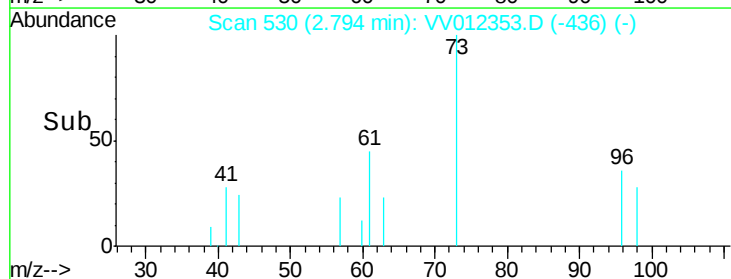
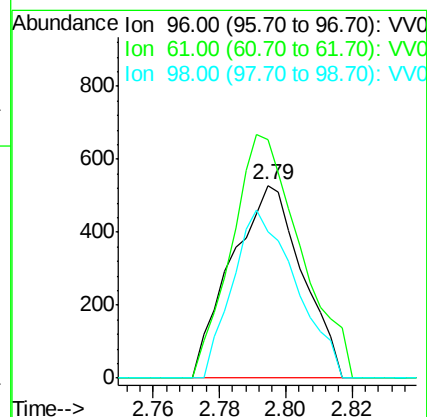
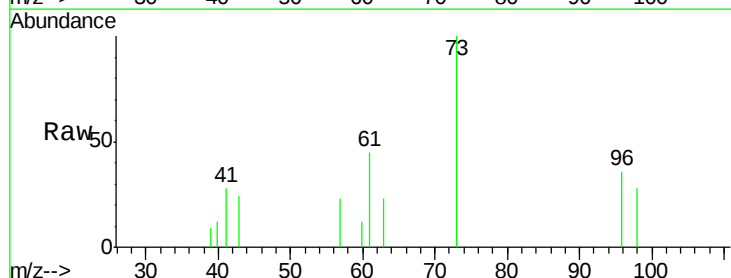
Tgt Ion: 96 Resp: 785

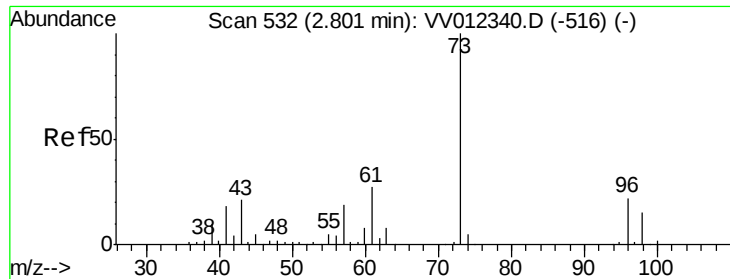
Ion Ratio Lower Upper

96 100

61 123.7 87.0 161.6

98 75.9 43.8 81.4

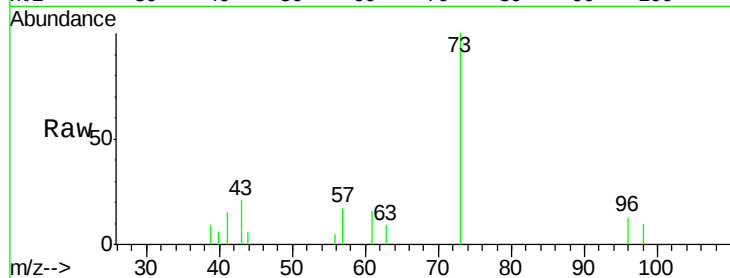




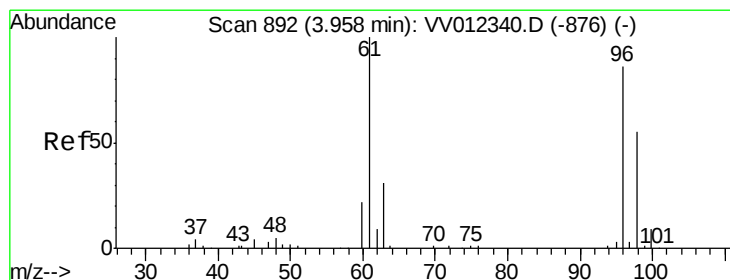
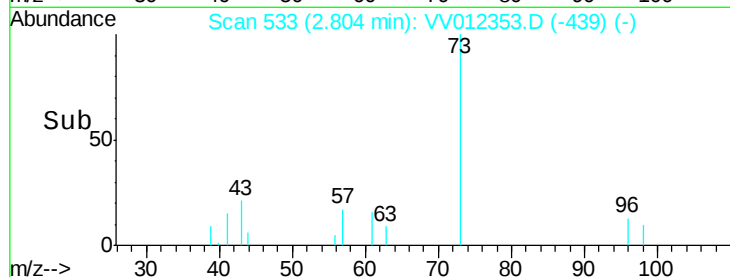
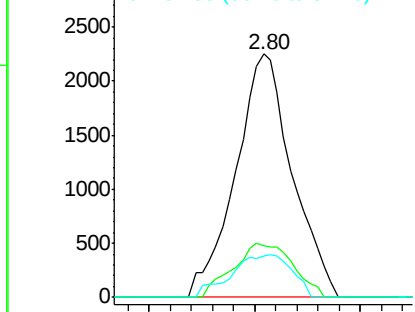
#18
Methvl tert-butvl Ether
Concen: 1.191 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012353.D
Acq: 22 Aug 2019 17:31

Instrument :
MSVOA_V
ClientSampled :
F2B92

Tot Ion: 73 Resp: 4185
Ion Ratio Lower Upper
73 100
43 23.5 16.6 25.0
57 17.1 15.0 22.6

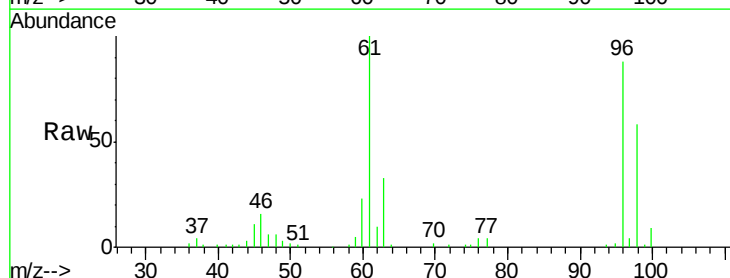


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



#20
cis-1,2-Dichloroethene
Concen: 43.161 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012353.D
Acq: 22 Aug 2019 17:31

Tgt Ion: 96 Resp: 50927
Ion Ratio Lower Upper
96 100
61 113.6 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

