

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\
 Data File : VV012352.D
 Acq On : 22 Aug 2019 17:07
 Operator : SY/MD
 Sample : K4485-13
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2B89

Quant Time: Aug 23 07:32:56 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	173464	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	77899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37281	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	26322	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.13	63	55597	34.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.78%
21) 2-Butanone-d5	3.93	46	66811	104.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.37%
24) Chloroform-d	4.40	84	116452	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
26) 1,2-Dichloroethane-d4	5.08	65	89630	55.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.36%
32) Benzene-d6	5.10	84	214422	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	56916	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.62%
41) Toluene-d8	7.36	98	213586	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.66	79	35092	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.72%
47) 2-Hexanone-d5	8.13	63	42217	85.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83043	48.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.96%
64) 1,2-Dichlorobenzene-d4	11.67	152	93950	54.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.72%

Target Compounds

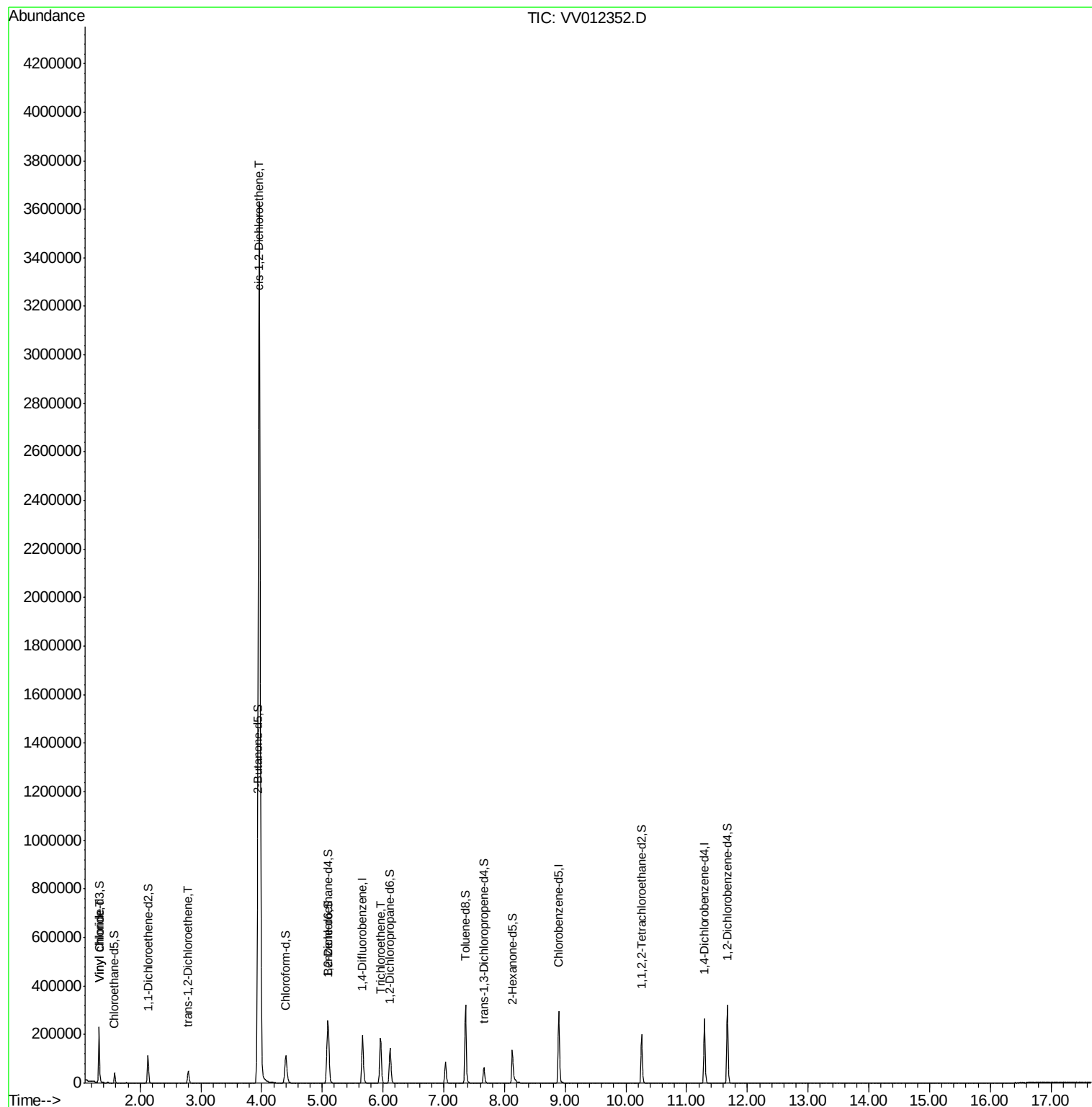
					Ovalue
5) Vinyl chloride	1.33	62	110044	131.352	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	18128	17.169	ug/L 100
20) cis-1,2-Dichloroethene	3.96	96	2093613	1781.835	ug/L 97
34) Trichloroethene	5.96	95	56949	46.724	ug/L 95

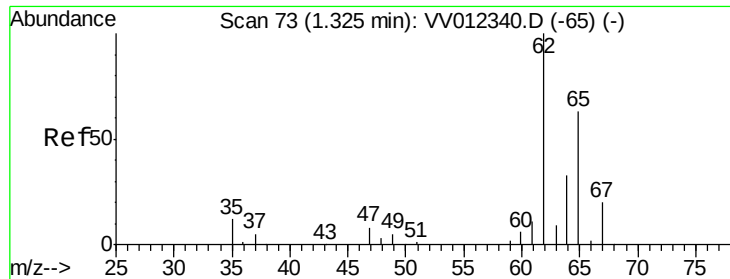
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 131.352 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

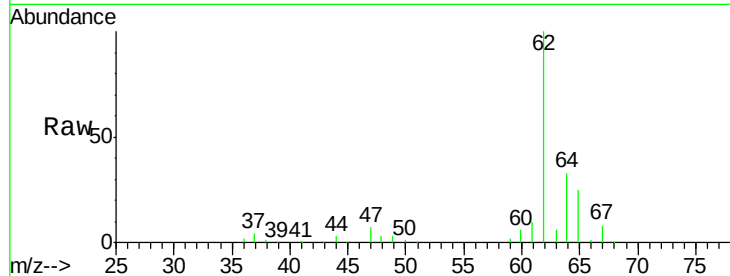
F2B89

Tot Ion: 62 Resp: 110044

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

1.33

120000

100000

80000

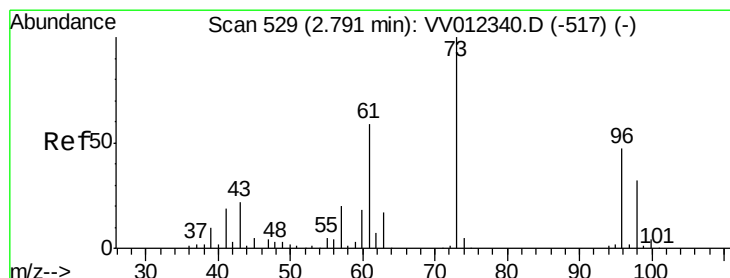
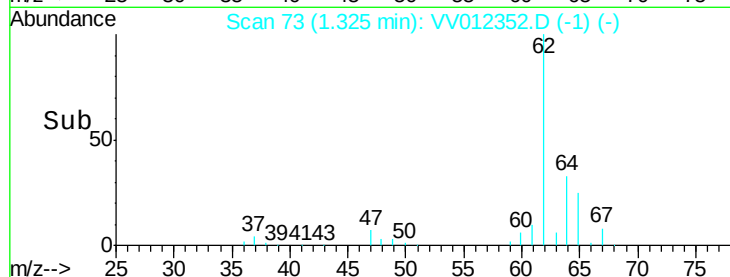
60000

40000

20000

0

Time-->



#17

trans-1,2-Dichloroethene

Concen: 17.169 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

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Acq: 22 Aug 2019 17:07

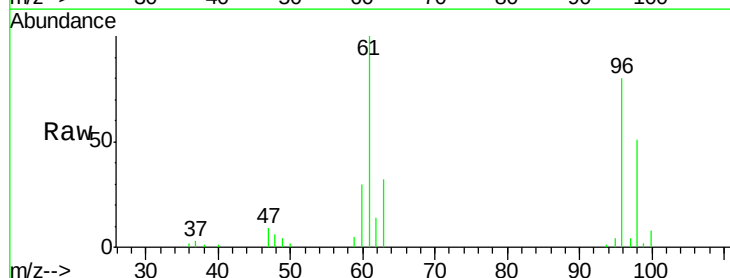
Tgt Ion: 96 Resp: 18128

Ion Ratio Lower Upper

96 100

61 124.4 87.0 161.6

98 63.2 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

2.79

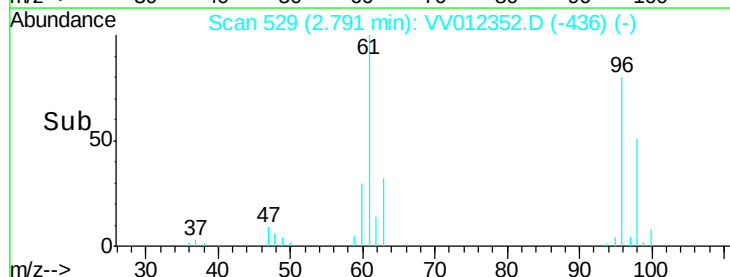
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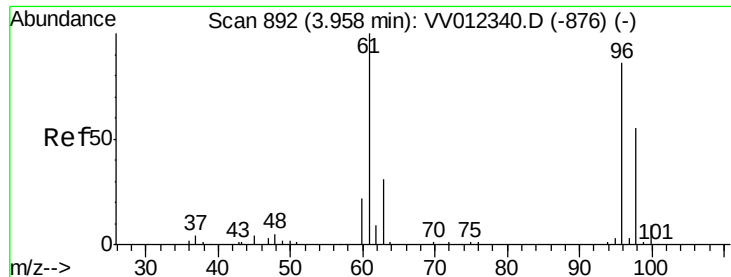
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5000

0

Time-->



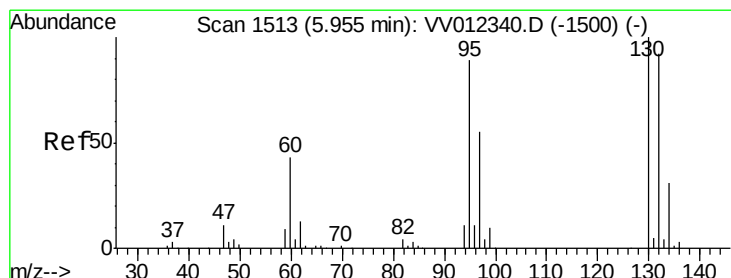
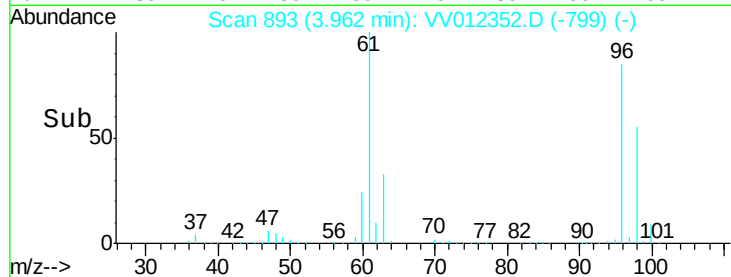
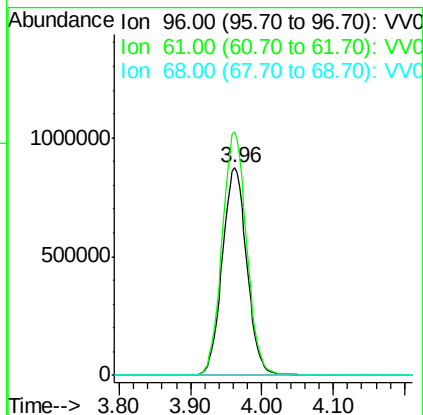
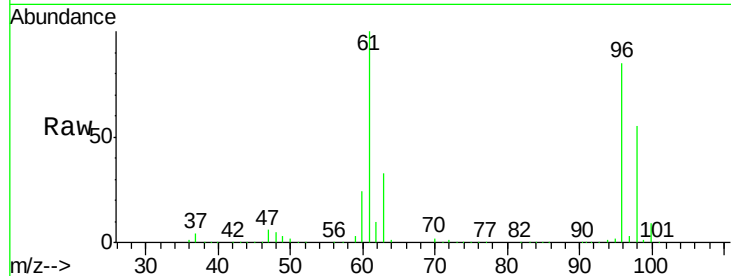


#20

cis-1,2-Dichloroethene
Concen: 1781.835 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
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F2B89

Tot Ion: 96 Resp: 2093613
Ion Ratio Lower Upper
96 100
61 117.3 84.4 156.7
68 0.0 0.0 0.0



#34

Trichloroethene
Concen: 46.724 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012352.D
Acq: 22 Aug 2019 17:07

Tgt Ion: 95 Resp: 56949
Ion Ratio Lower Upper
95 100
97 65.5 43.6 81.0
132 112.6 73.9 137.3
130 113.2 76.6 142.2

