

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082119\
 Data File : VV012333.D
 Acq On : 21 Aug 2019 23:36
 Operator : SY/MD
 Sample : K4454-12
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C08

Quant Time: Aug 22 04:42:58 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	209533	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	197425	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46501	46.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.74%
7) Chloroethane-d5	1.58	69	36576	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.84%
11) 1,1-Dichloroethene-d2	2.13	63	77506	39.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.38%
21) 2-Butanone-d5	3.93	46	69471	89.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.84%
24) Chloroform-d	4.40	84	136582	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.08	65	102660	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.58%
32) Benzene-d6	5.10	84	269808	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
36) 1,2-Dichloropropane-d6	6.12	67	73091	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.36	98	258966	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.66	79	40471	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.30%
47) 2-Hexanone-d5	8.13	63	56535	96.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102073	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.67	152	109388	53.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.84%

Target Compounds

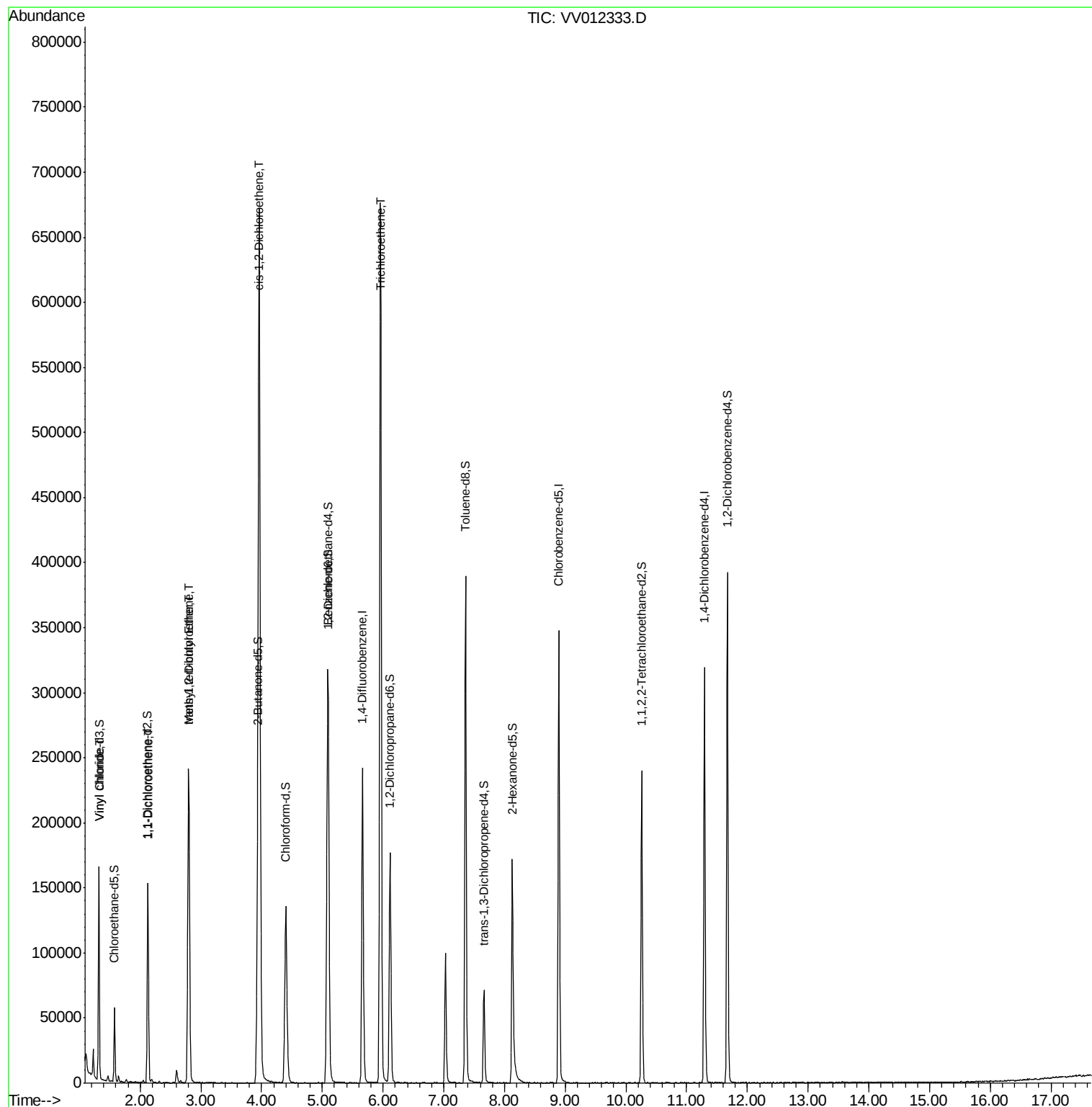
					Ovalue
5) Vinyl chloride	1.32	62	42912	42.404	ug/L 98
12) 1,1-Dichloroethene	2.14	96	3665	4.348	ug/L # 1
17) trans-1,2-Dichloroethene	2.79	96	22241	17.438	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	207178	49.032	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	381027	268.463	ug/L 98
34) Trichloroethene	5.96	95	216107	148.267	ug/L 93

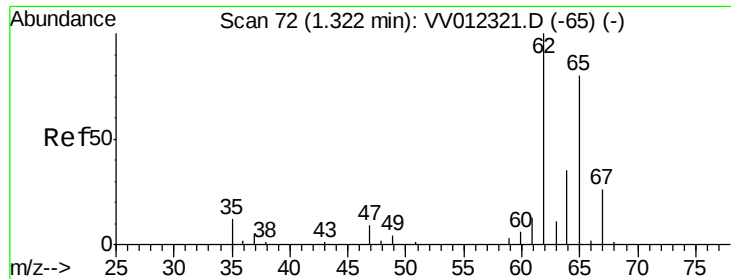
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 42.404 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012333.D

Acq: 21 Aug 2019 23:36

Instrument :

MSVOA_V

ClientSampleId :

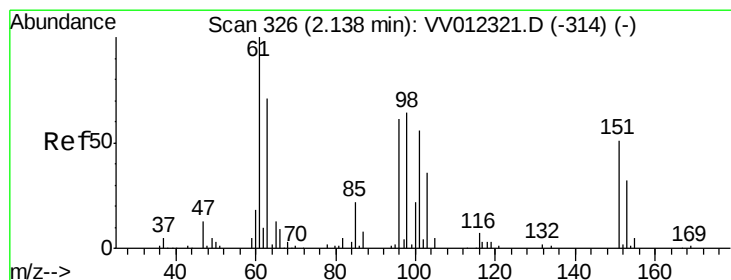
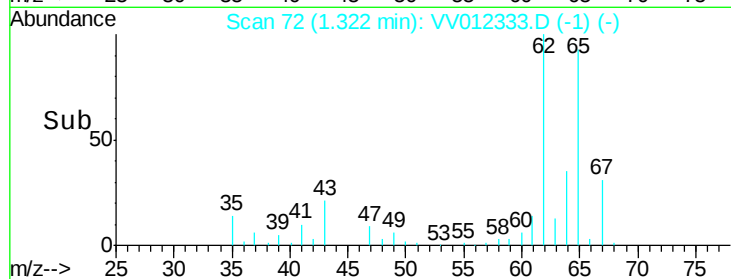
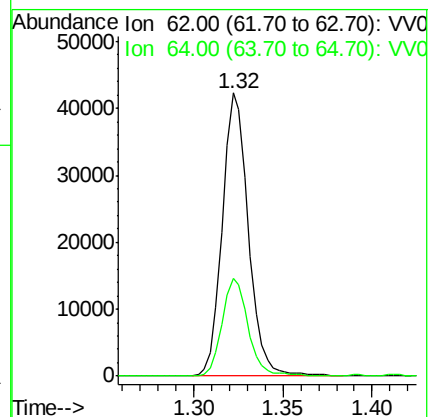
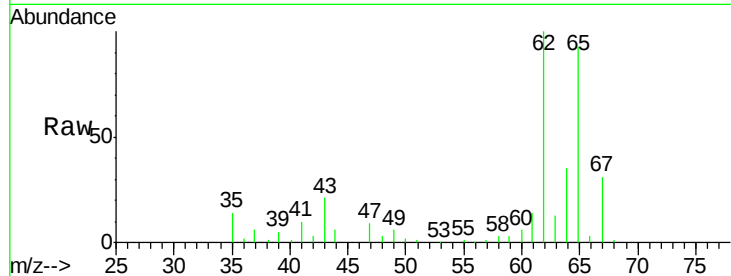
F2C08

Tot Ion: 62 Resp: 42912

Ion Ratio Lower Upper

62 100

64 34.5 23.5 43.7



#12

1,1-Dichloroethene

Concen: 4.348 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012333.D

Acq: 21 Aug 2019 23:36

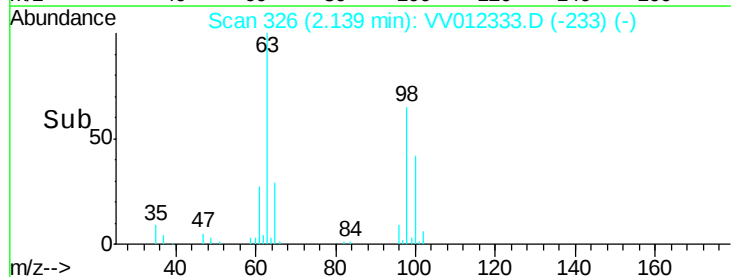
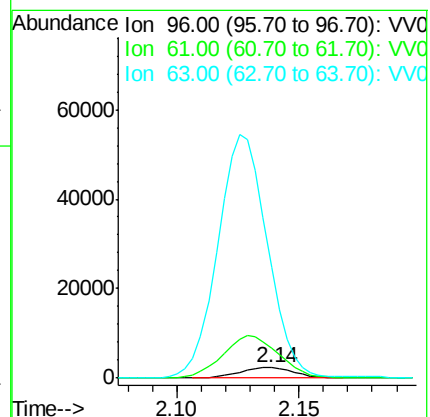
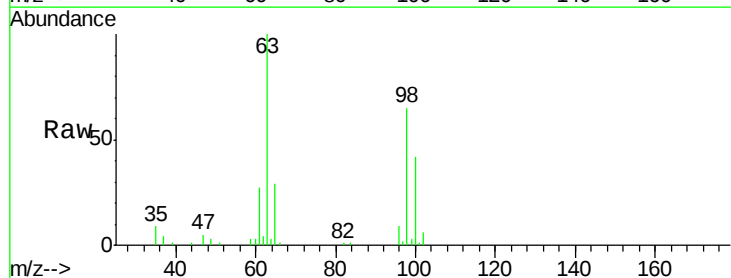
Tgt Ion: 96 Resp: 3665

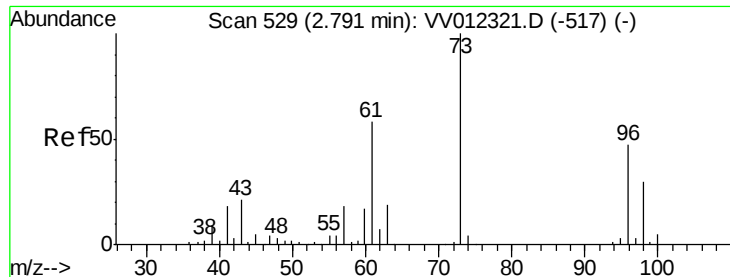
Ion Ratio Lower Upper

96 100

61 290.2 122.6 227.8#

63 1060.8 98.6 183.2#





#17

trans-1,2-Dichloroethene

Concen: 17.438 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012333.D

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Instrument :
MSVOA_V
ClientSampleId :
F2C08

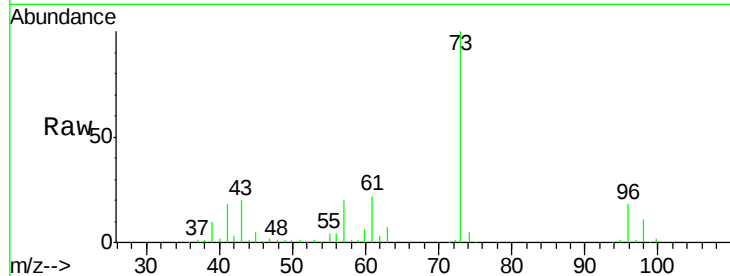
Tot Ion: 96 Resp: 22241

Ion Ratio Lower Upper

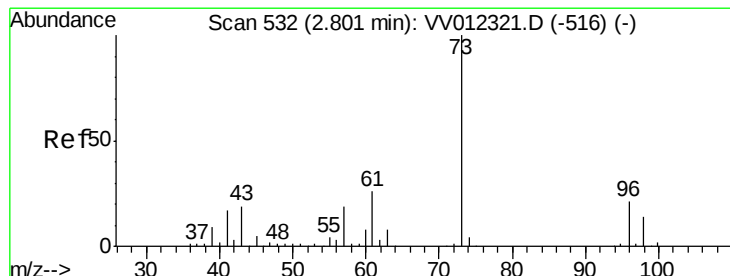
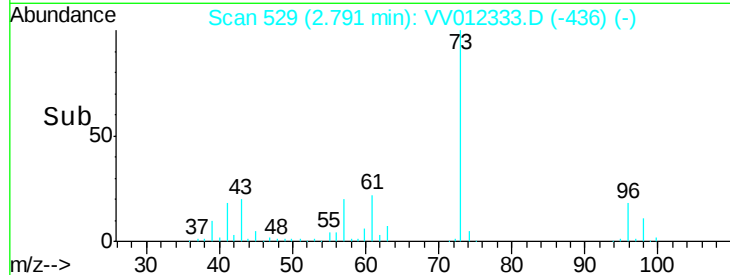
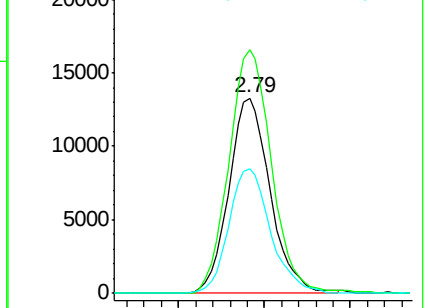
96 100

61 124.7 87.0 161.6

98 63.8 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: 49.032 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012333.D

Acq: 21 Aug 2019 23:36

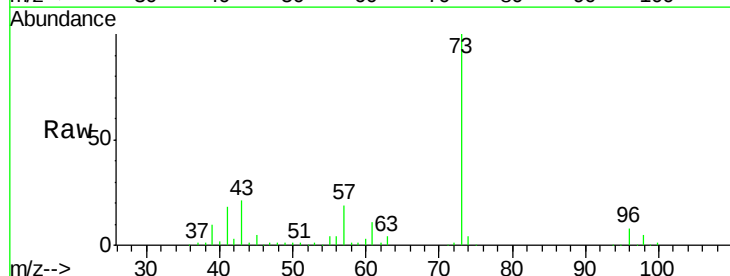
Tgt Ion: 73 Resp: 207178

Ion Ratio Lower Upper

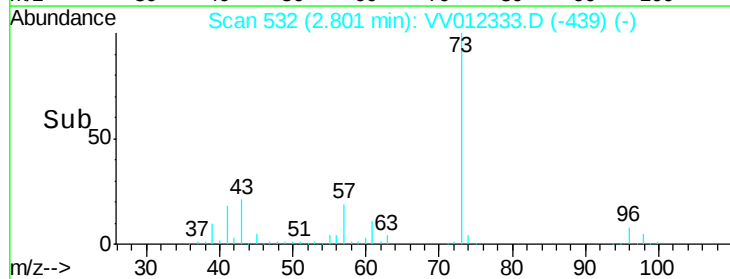
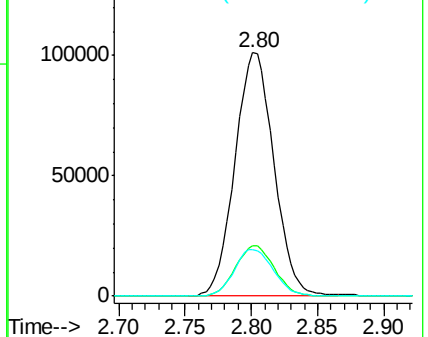
73 100

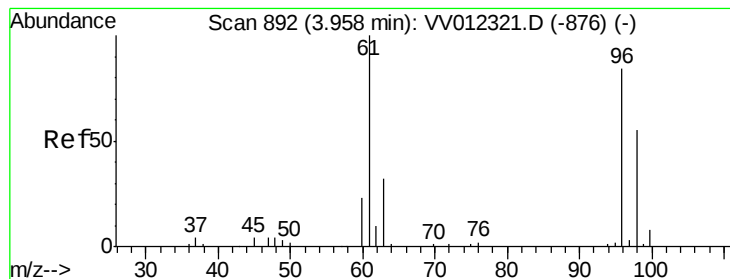
43 20.6 16.6 25.0

57 19.5 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



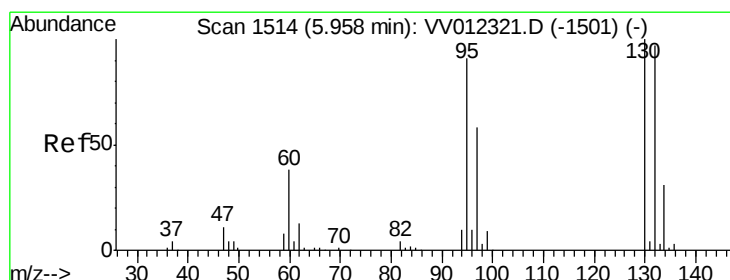
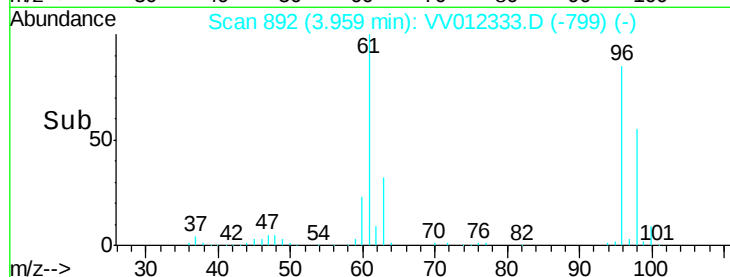
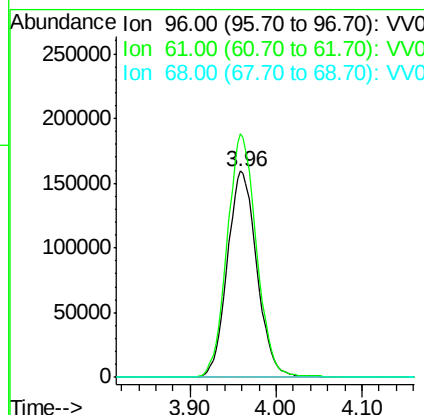
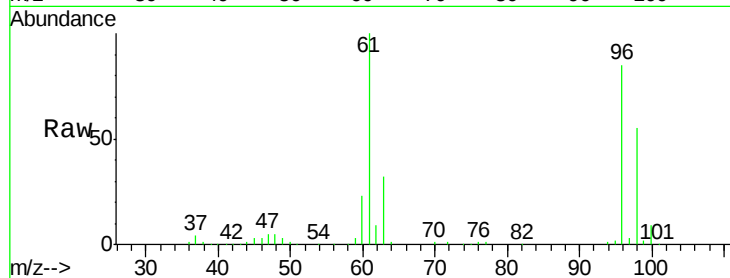


#20

cis-1,2-Dichloroethene
 Concen: 268.463 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012333.D
 Acq: 21 Aug 2019 23:36

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C08

Tot Ion	96	Resp	381027
Ion	Ratio	Lower	Upper
96	100		
61	118.0	84.4	156.7
68	0.0	0.0	0.0



#34

Trichloroethene
 Concen: 148.267 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012333.D
 Acq: 21 Aug 2019 23:36

Tgt Ion	95	Resp	216107
Ion	Ratio	Lower	Upper
95	100		
97	66.6	43.6	81.0
132	113.7	73.9	137.3
130	116.9	76.6	142.2

