

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017922.D
 Acq On : 12 Aug 2020 12:53
 Operator : SY/MD
 Sample : L3644-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L97

Quant Time: Aug 13 04:36:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254889	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	243589	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107845	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	89161	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.70%
7) Chloroethane-d5	1.58	69	74911	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.16%
11) 1,1-Dichloroethene-d2	2.12	63	129572	34.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.66%
21) 2-Butanone-d5	3.91	46	133304	104.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.65%
24) Chloroform-d	4.38	84	166530	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	5.06	65	114619	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
32) Benzene-d6	5.07	84	333024	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.09	67	109582	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.34	98	288638	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%
43) trans-1,3-Dichloropropene-	7.64	79	46705	46.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.84%
47) 2-Hexanone-d5	8.11	63	70438	100.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.01%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	140662	49.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	112945	53.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.42%

Target Compounds

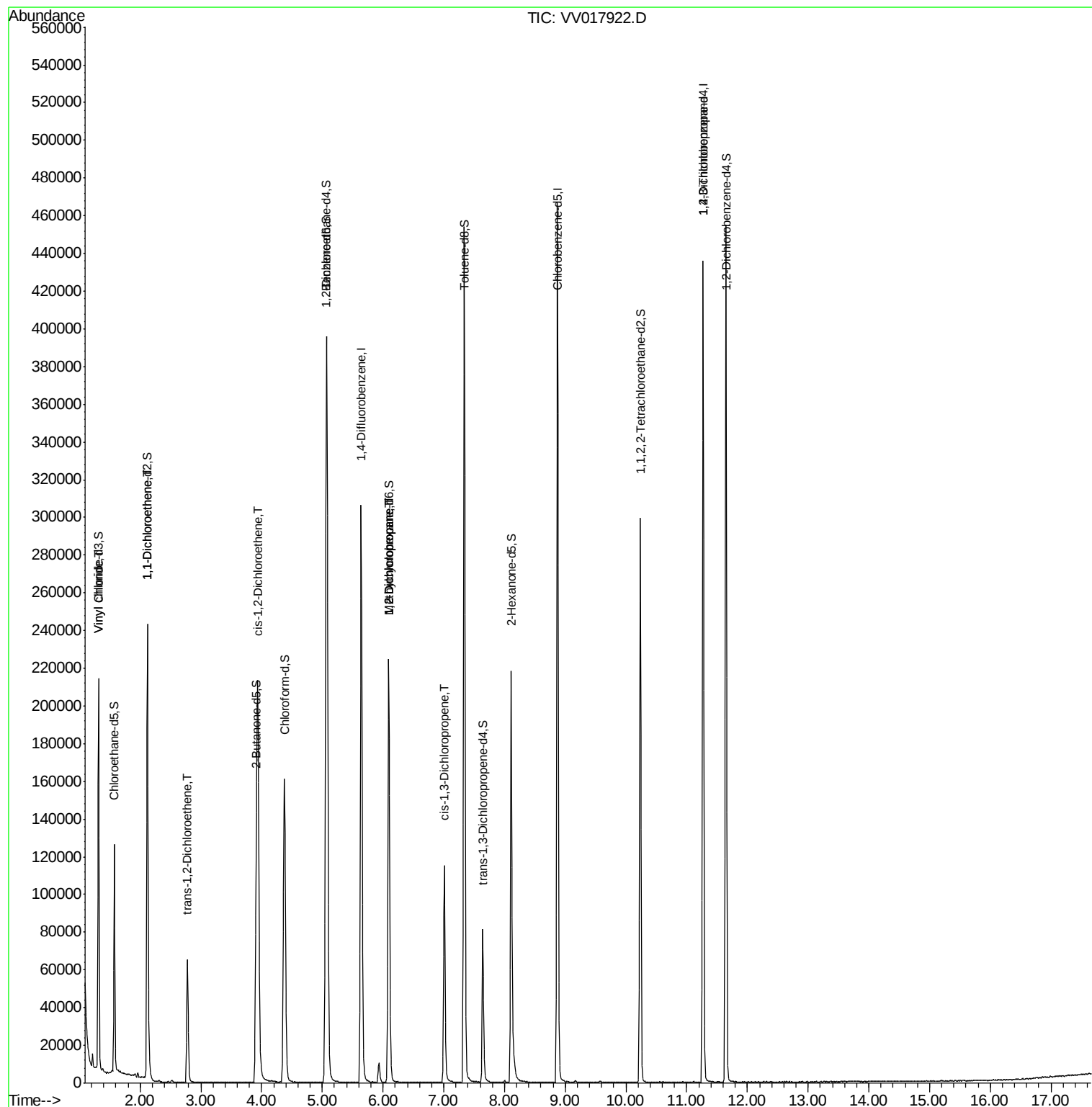
					Ovalue
5) Vinyl chloride	1.32	62	46568	20.561 ug/L	98
12) 1,1-Dichloroethene	2.12	96	1280	0.749 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	23940	13.621 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	103219	53.443 ug/L	96
35) Methylcyclohexane	6.09	83	26083	8.806 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12062	5.869 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2885	0.990 ug/L #	68
59) 1,2,3-Trichloropropane	11.27	75	13164	5.186 ug/L	93

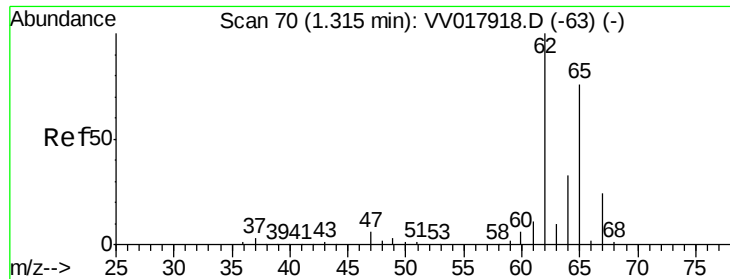
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 20.561 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017922.D

Acq: 12 Aug 2020 12:53

Instrument :

MSVOA_V

ClientSampled :

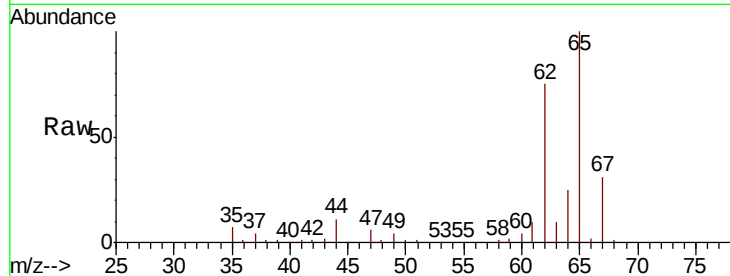
F2L97

Tot Ion: 62 Resp: 46568

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

50000

40000

30000

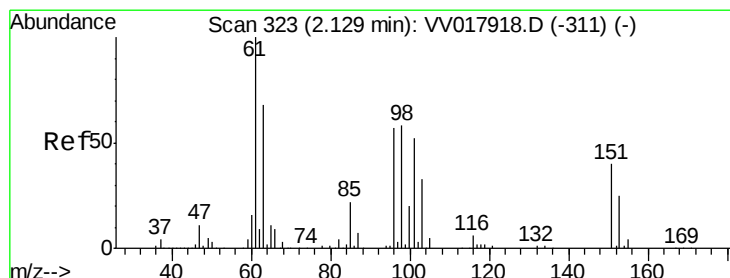
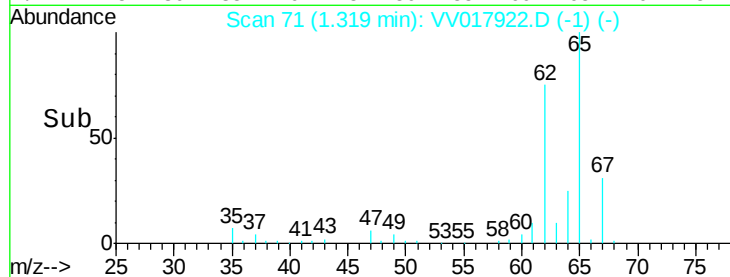
20000

10000

0

Time-->

1.30 1.35



#12

1,1-Dichloroethene

Concen: 0.749 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017922.D

Acq: 12 Aug 2020 12:53

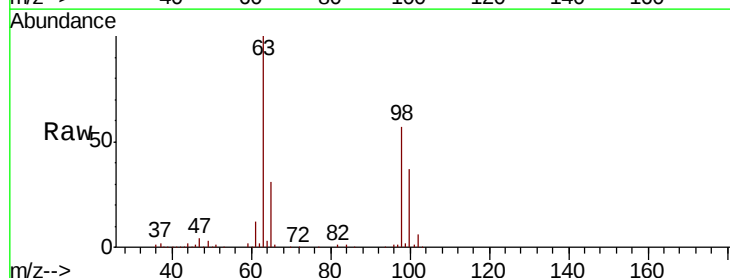
Tgt Ion: 96 Resp: 1280

Ion Ratio Lower Upper

96 100

61 1215.0 127.1 236.0#

63 9774.8 95.2 176.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

120000

100000

80000

60000

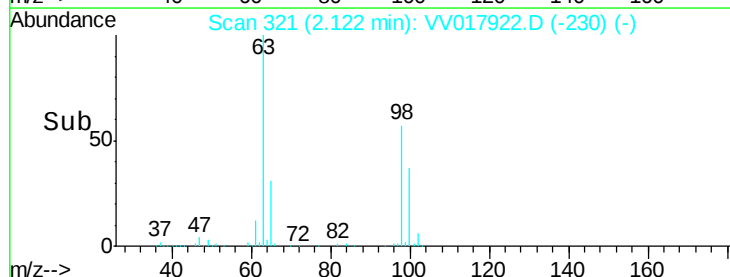
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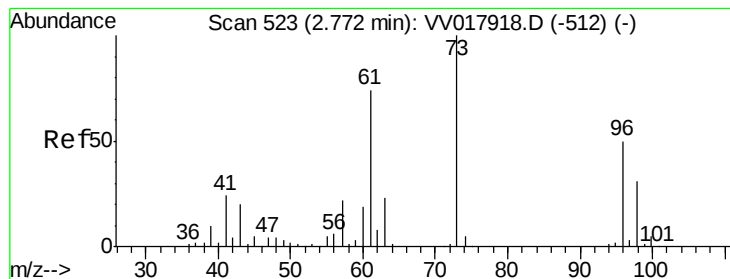
20000

0

Time-->

2.08 2.10 2.12 2.14 2.16





#17

trans-1,2-Dichloroethene

Concen: 13.621 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017922.D

Acq: 12 Aug 2020 12:53

Instrument :

MSVOA_V

ClientSampled :

F2L97

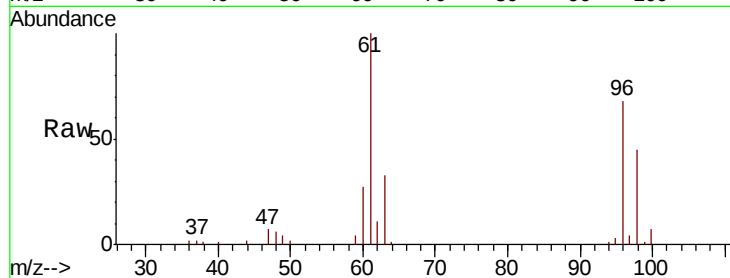
Tot Ion: 96 Resp: 23940

Ion Ratio Lower Upper

96 100

61 147.2 102.4 190.2

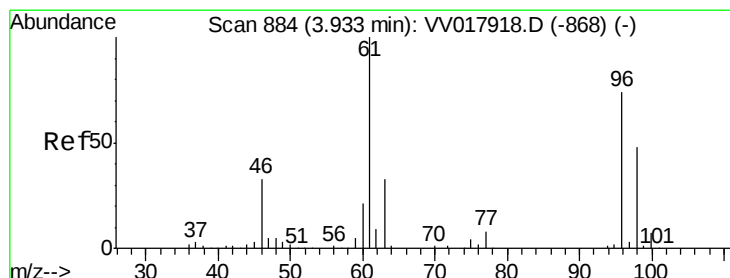
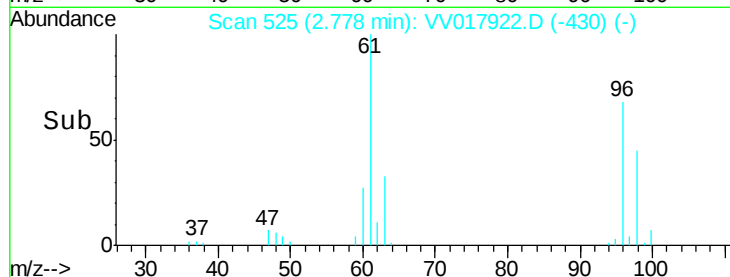
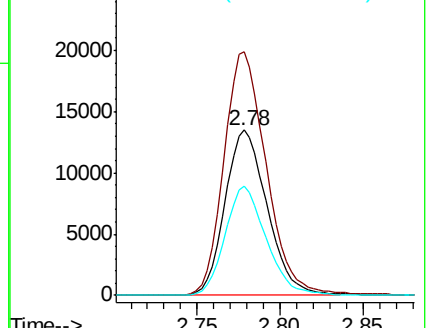
98 66.2 44.4 82.5



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



#20

cis-1,2-Dichloroethene

Concen: 53.443 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017922.D

Acq: 12 Aug 2020 12:53

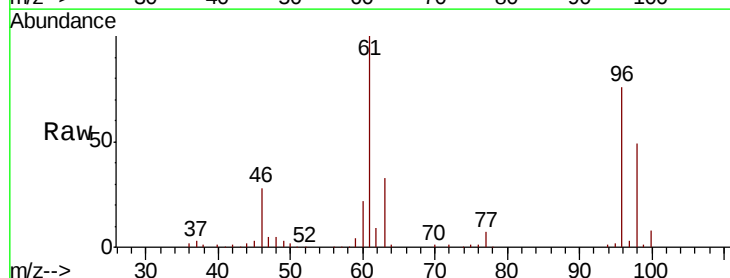
Tgt Ion: 96 Resp: 103219

Ion Ratio Lower Upper

96 100

61 131.0 95.0 176.4

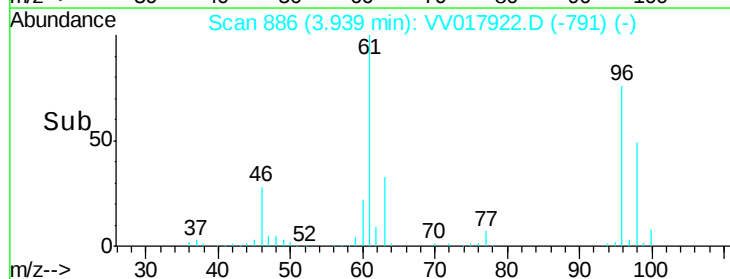
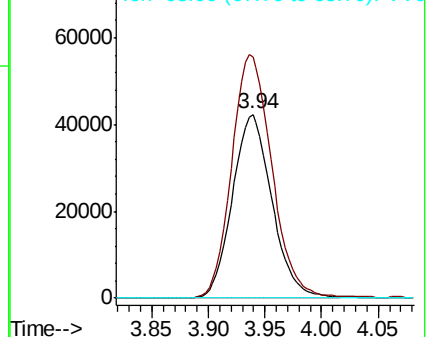
68 0.0 0.0 0.0

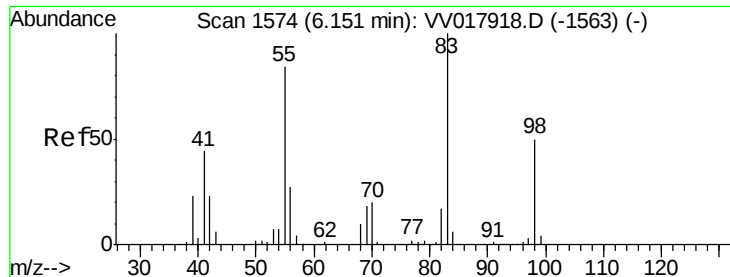


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

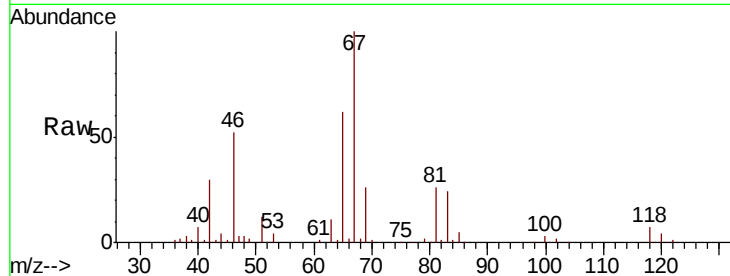




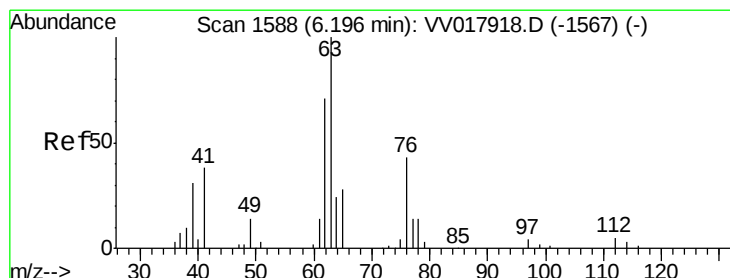
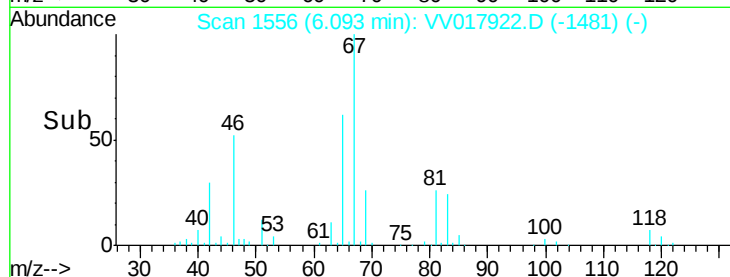
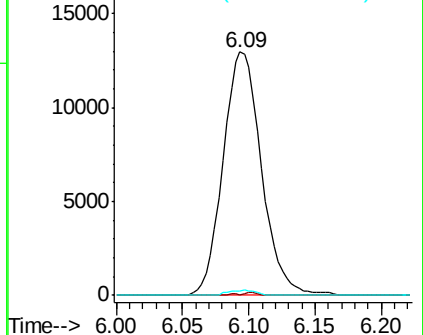
#35
Methvlcvclohexane
Concen: 8.806 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017922.D
Acq: 12 Aug 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
F2L97

Tot Ion: 83 Resp: 26083
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.5 38.7 58.1#

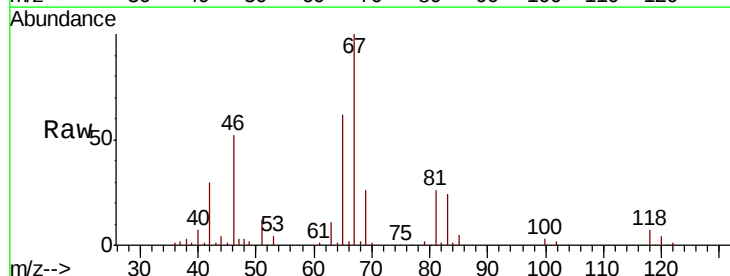


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

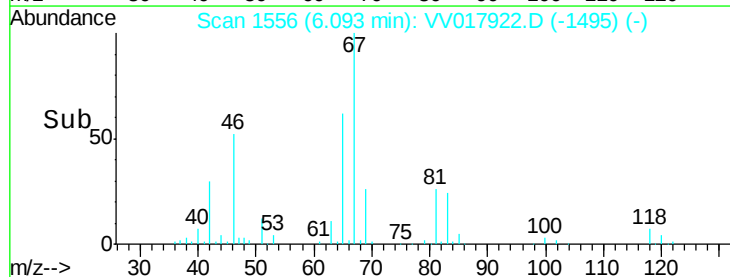
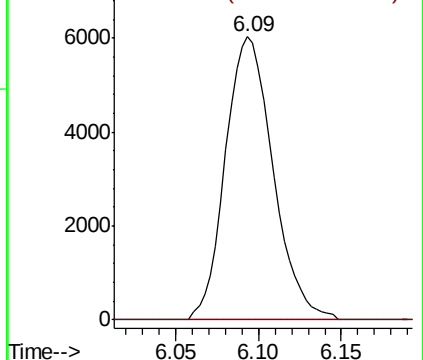


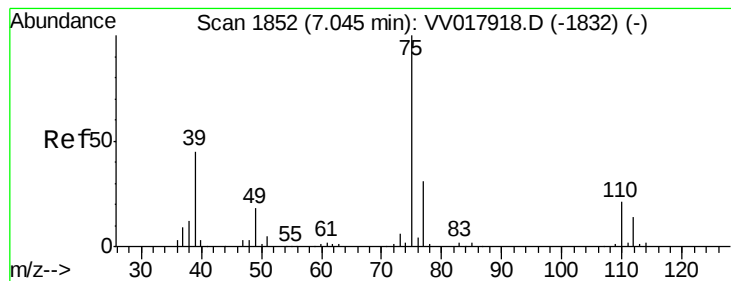
#37
1,2-Dichloropropane
Concen: 5.869 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017922.D
Acq: 12 Aug 2020 12:53

Tgt Ion: 63 Resp: 12062
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V



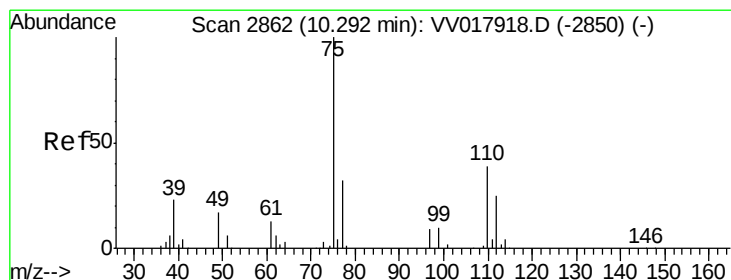
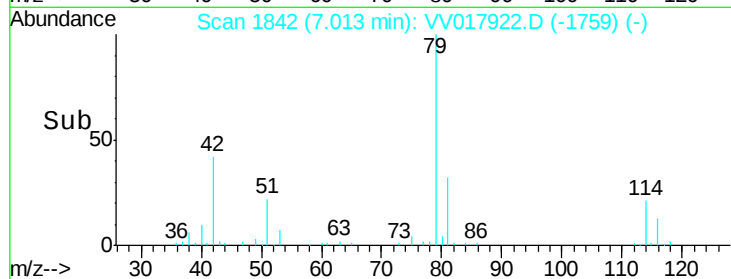
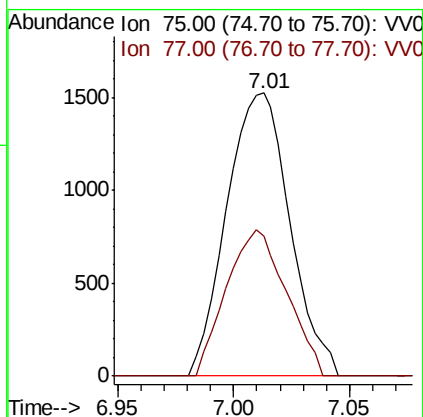
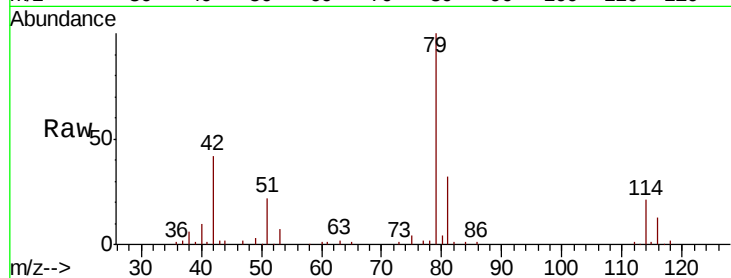


#39

cis-1,3-Dichloropropene
 Concen: 0.990 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: VV017922.D
 Acq: 12 Aug 2020 12:53

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L97

Tot Ion: 75 Resp: 2885
 Ion Ratio Lower Upper
 75 100
 77 49.7 22.3 41.5#



#59

1,2,3-Trichloropropane
 Concen: 5.186 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017922.D
 Acq: 12 Aug 2020 12:53

Tgt Ion: 75 Resp: 13164
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.7 38.5

