

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017888.D
 Acq On : 10 Aug 2020 11:14
 Operator : SY/MD
 Sample : L3608-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L34

Quant Time: Aug 11 02:20:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	226231	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	56560	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.58	69	48280	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.28%
11) 1,1-Dichloroethene-d2	2.17	63	199	0.07	ug/L	0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.14%#
21) 2-Butanone-d5	3.91	46	73068	99.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	4.37	84	147339	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	114839	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.20%
32) Benzene-d6	5.08	84	252978	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
36) 1,2-Dichloropropane-d6	6.09	67	64412	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.72%
41) Toluene-d8	7.34	98	248476	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.64	79	25224	31.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.08%
47) 2-Hexanone-d5	8.11	63	45912	102.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	97651	50.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	117049	52.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.02%

Target Compounds

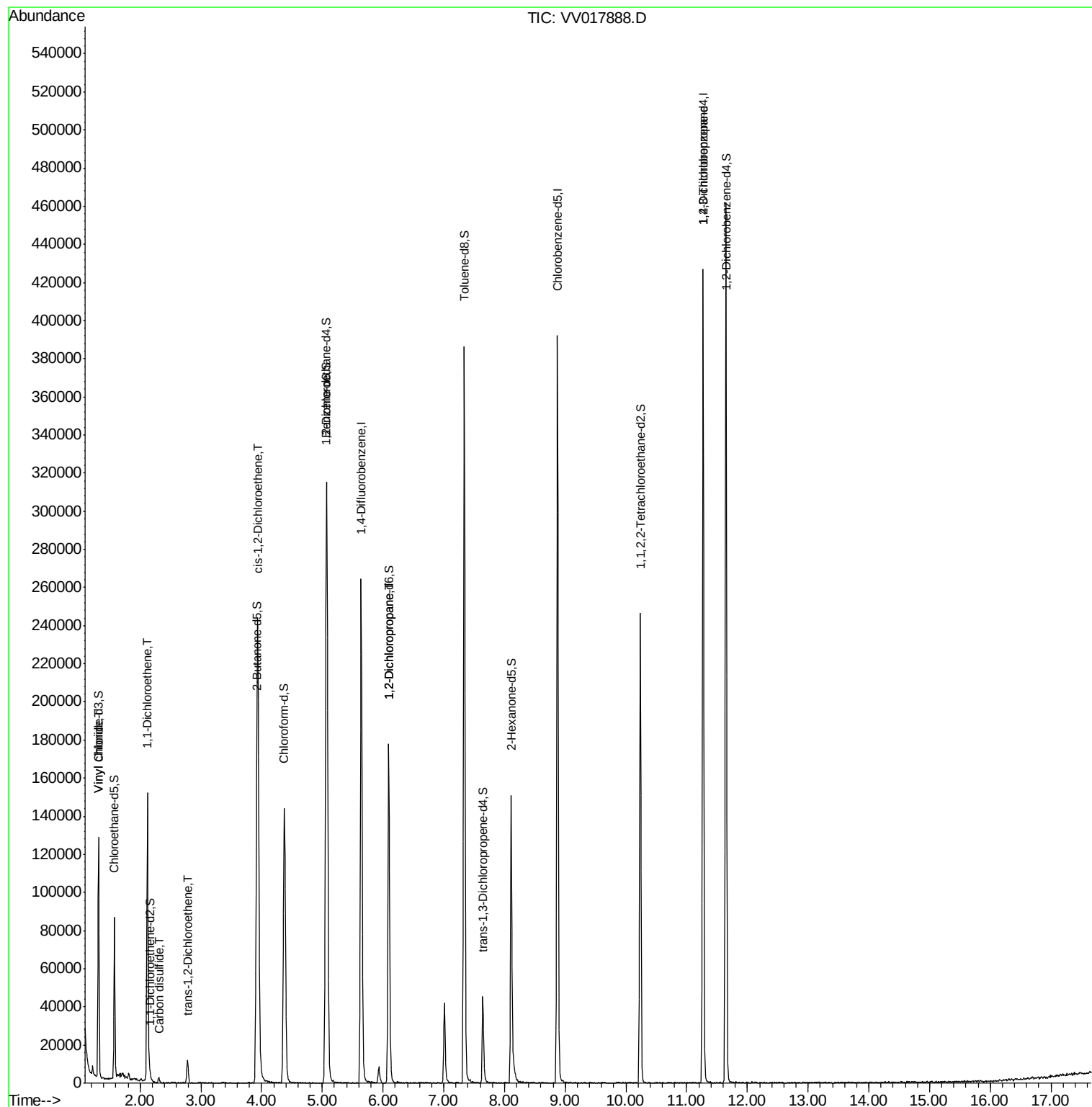
					Ovalue
5) Vinyl chloride	1.32	62	22100	16.719 ug/L	94
12) 1,1-Dichloroethene	2.12	96	947	0.711 ug/L #	1
14) Carbon disulfide	2.31	76	3027	0.985 ug/L #	81
17) trans-1,2-Dichloroethene	2.78	96	4230	3.110 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	123018	83.731 ug/L	97
37) 1,2-Dichloropropane	6.10	63	9715	8.855 ug/L #	79
59) 1,2,3-Trichloropropane	11.27	75	8907	5.272 ug/L #	80

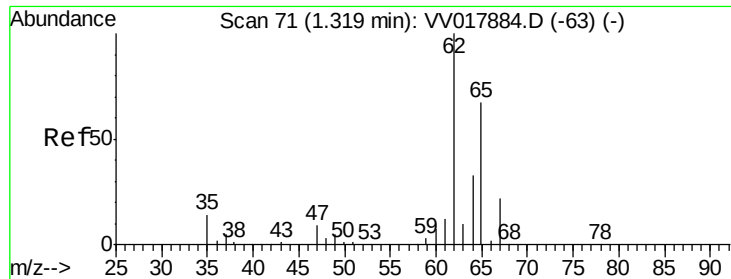
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.719 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017888.D

Acq: 10 Aug 2020 11:14

Instrument :

MSVOA_V

ClientSampled :

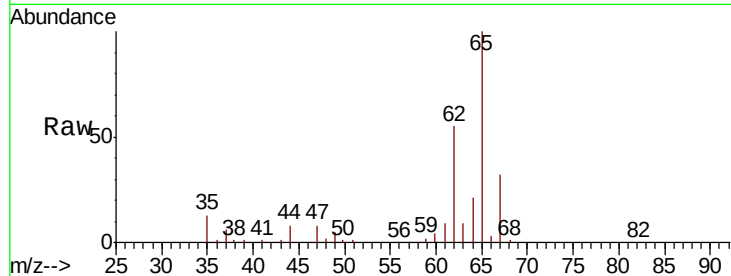
F4L34

Tot Ion: 62 Resp: 22100

Ion Ratio Lower Upper

62 100

64 37.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

25000

20000

15000

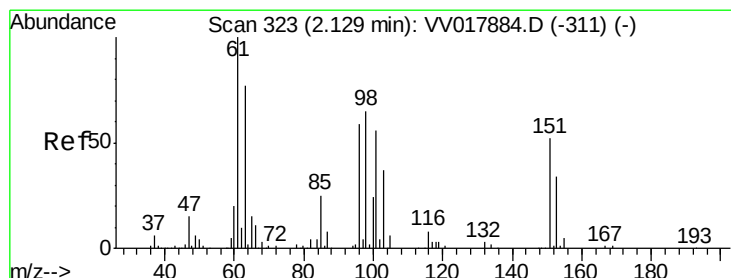
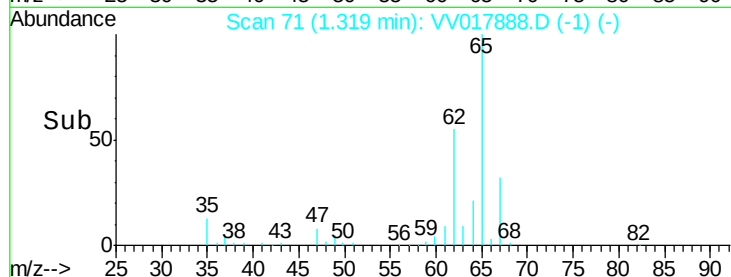
10000

5000

0

Time-->

1.30 1.35



#12

1,1-Dichloroethene

Concen: 0.711 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017888.D

Acq: 10 Aug 2020 11:14

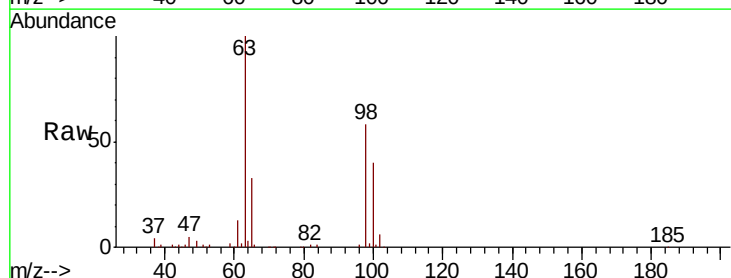
Tgt Ion: 96 Resp: 947

Ion Ratio Lower Upper

96 100

61 980.0 121.1 224.9#

63 7559.9 98.1 182.1#



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

60000

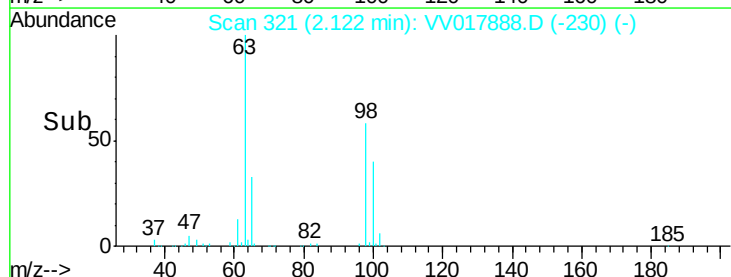
40000

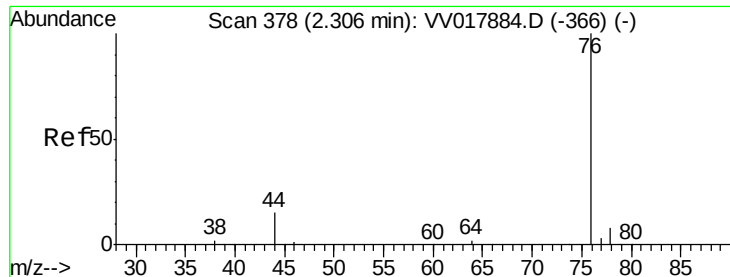
20000

0

Time-->

2.08 2.10 2.12 2.14 2.16





#14

Carbon disulfide

Concen: 0.985 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017888.D

Acq: 10 Aug 2020 11:14

Instrument :

MSVOA_V

ClientSampled :

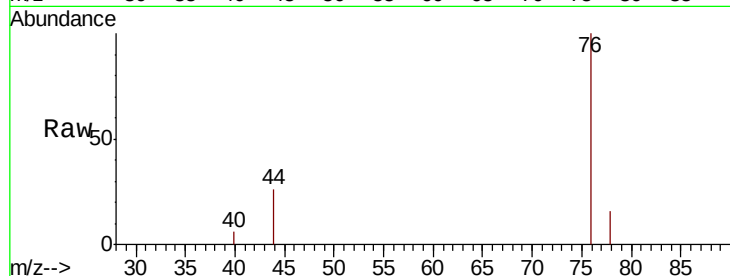
F4L34

Tot Ion: 76 Resp: 3027

Ion Ratio Lower Upper

76 100

78 16.4 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

2000

1500

1000

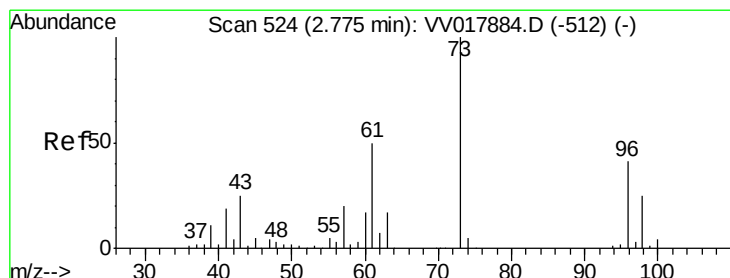
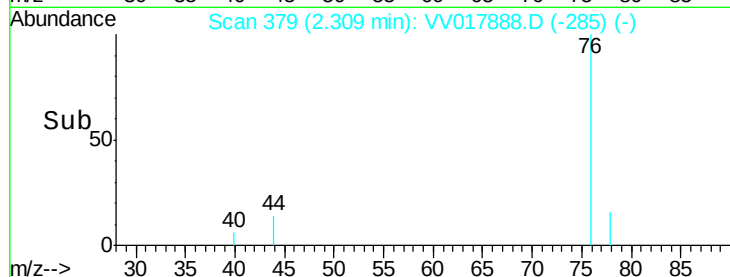
500

0

2.30

2.35

Time-->



#17

trans-1,2-Dichloroethene

Concen: 3.110 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV017888.D

Acq: 10 Aug 2020 11:14

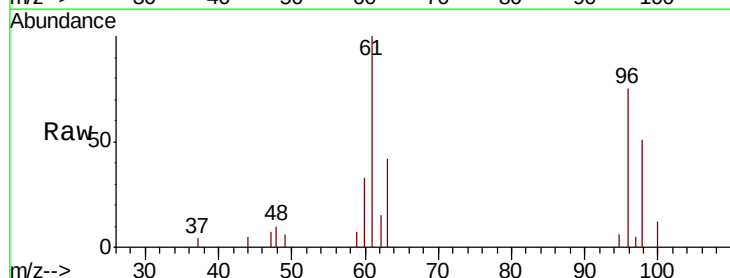
Tgt Ion: 96 Resp: 4230

Ion Ratio Lower Upper

96 100

61 133.0 92.4 171.6

98 67.9 47.5 88.1



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

4000

3000

2000

1000

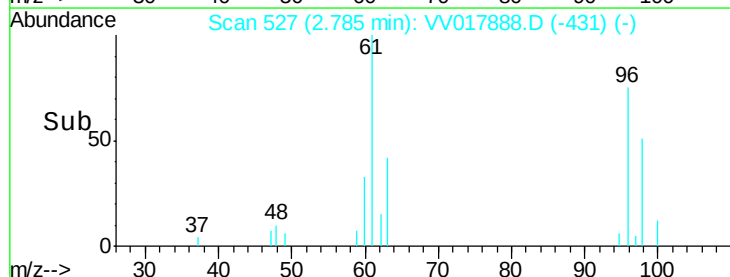
0

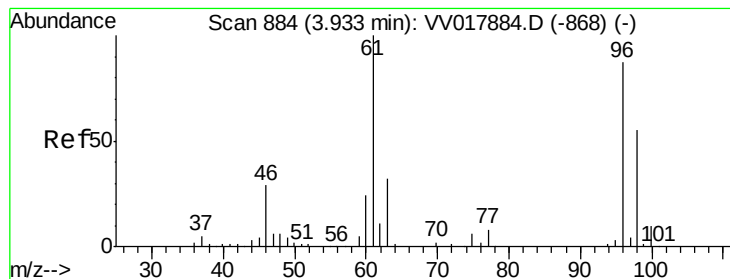
2.75

2.80

2.85

Time-->



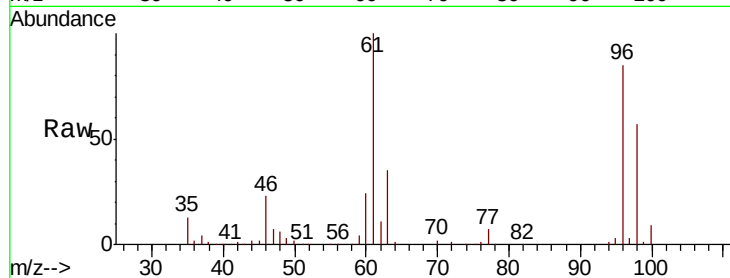


#20

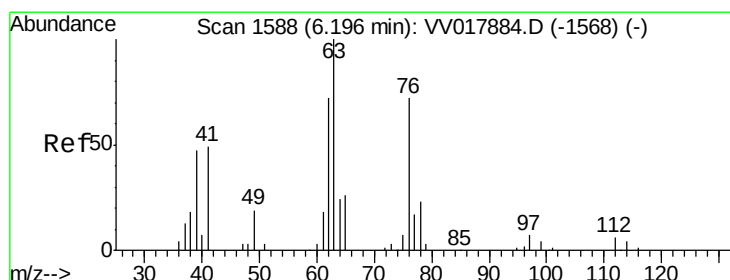
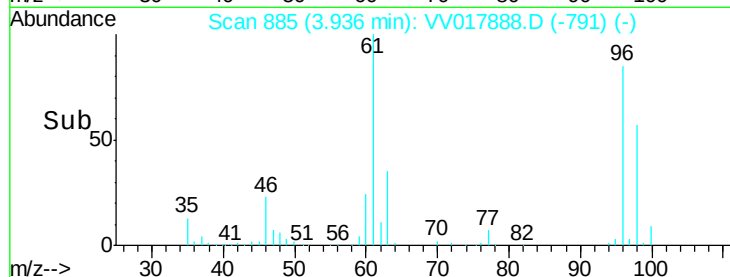
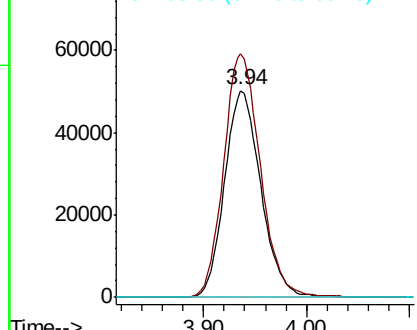
cis-1,2-Dichloroethene
 Concen: 83.731 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017888.D
 Acq: 10 Aug 2020 11:14

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L34

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.8	84.4	156.8
68	0.0	0.0	0.0



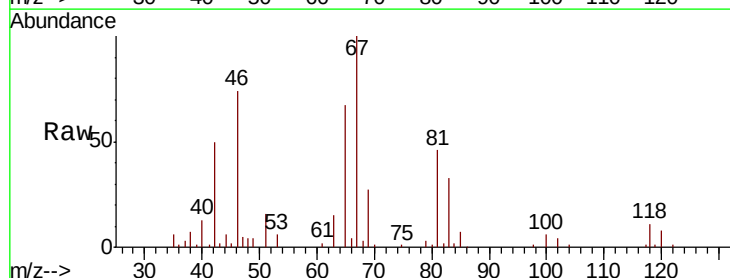
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



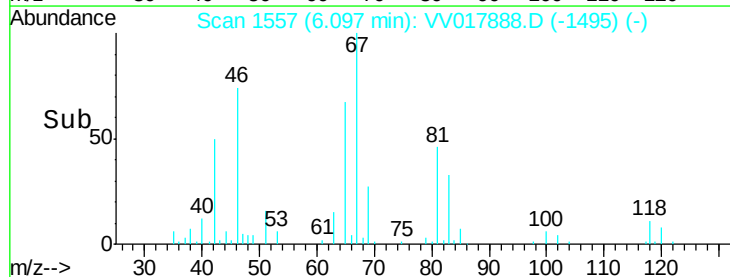
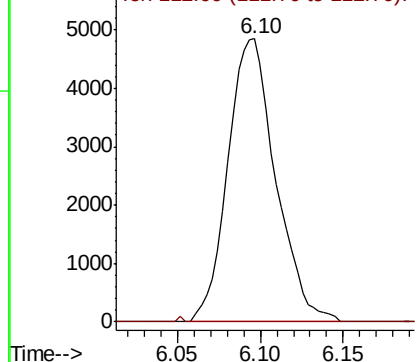
#37

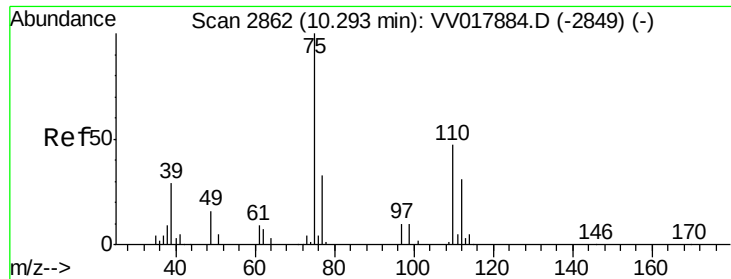
1,2-Dichloropropane
 Concen: 8.855 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017888.D
 Acq: 10 Aug 2020 11:14

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	5.8	8.6#



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





#59

1,2,3-Trichloropropane

Concen: 5.272 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017888.D

Acq: 10 Aug 2020 11:14

Instrument :

MSVOA_V

ClientSampleId :

F4L34

Tot Ion: 75 Resp: 8907

Ion Ratio Lower Upper

75 100

77 44.1 26.4 39.6#

