

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018009.D
 Acq On : 14 Aug 2020 20:10
 Operator : SY/MD
 Sample : L3665-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L37

Quant Time: Aug 17 03:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	242153	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239738	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113389	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58734	31.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.58%
7) Chloroethane-d5	1.58	69	55980	37.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.06%
11) 1,1-Dichloroethene-d2	2.12	63	95540	27.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.06%#
21) 2-Butanone-d5	3.91	46	125657	103.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.84%
24) Chloroform-d	4.38	84	142739	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	5.06	65	99336	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.08	84	270107	40.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.76%
36) 1,2-Dichloropropane-d6	6.09	67	95632	44.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.54%
41) Toluene-d8	7.34	98	235063	39.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.12%#
43) trans-1,3-Dichloropropene-	7.64	79	41435	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.58%
47) 2-Hexanone-d5	8.11	63	59807	86.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.28%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129614	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	109733	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%

Target Compounds

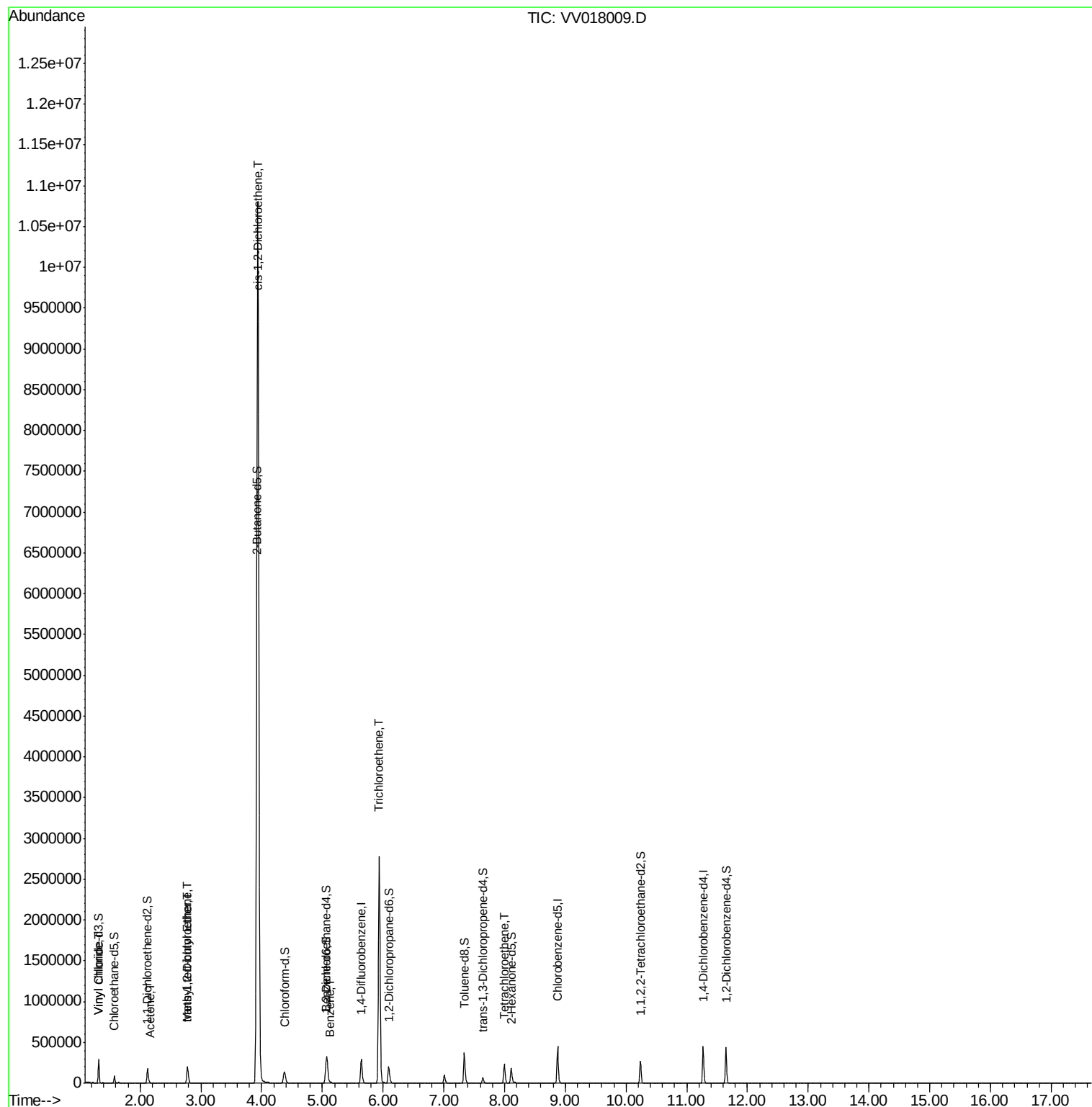
					Ovalue
5) Vinyl chloride	1.32	62	129526	60.198	ug/L 99
13) Acetone	2.18	43	2776	2.221	ug/L 89
17) trans-1,2-Dichloroethene	2.78	96	62350	37.341	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	26306	4.764	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	5942505	3238.615	ug/L 96
33) Benzene	5.13	78	6696	0.903	ug/L 100
34) Trichloroethene	5.94	95	950119	484.617	ug/L 99
46) Tetrachloroethene	8.00	164	52793	36.716	ug/L 97

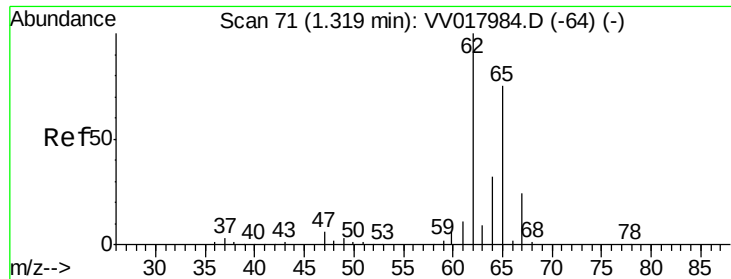
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 60.198 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018009.D

Acq: 14 Aug 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

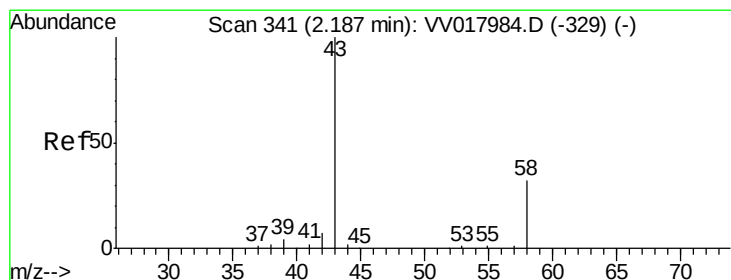
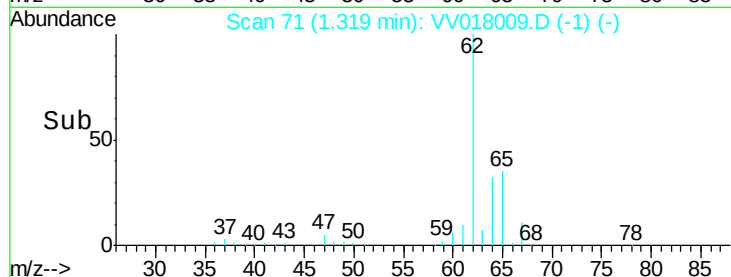
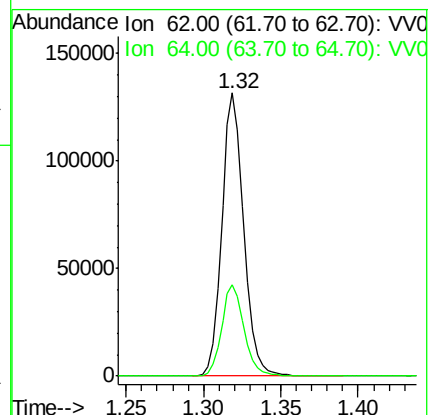
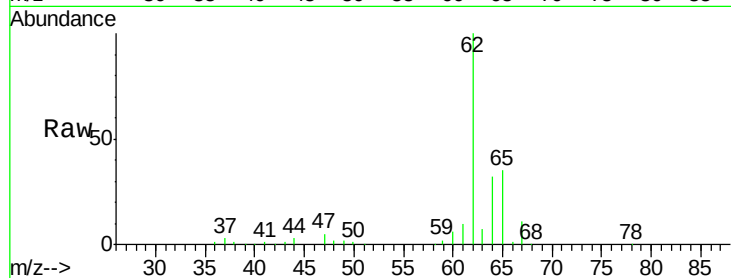
F4L37

Tot Ion: 62 Resp: 129526

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



#13

Acetone

Concen: 2.221 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV018009.D

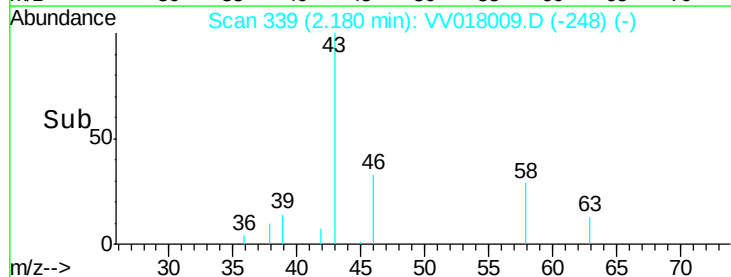
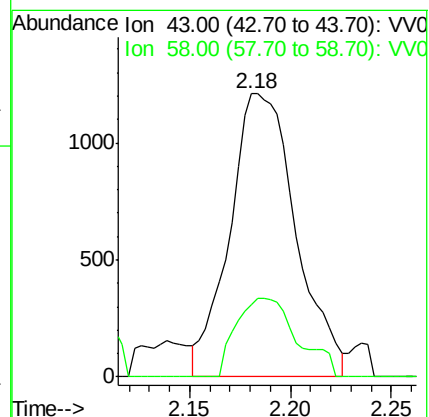
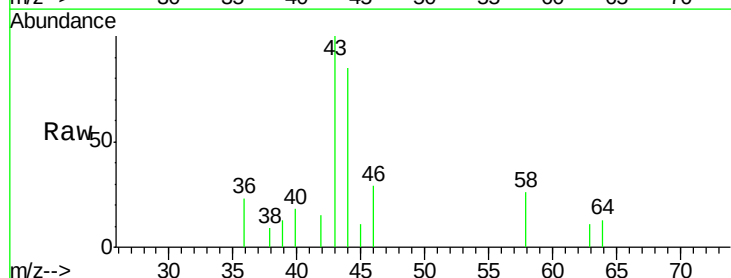
Acq: 14 Aug 2020 20:10

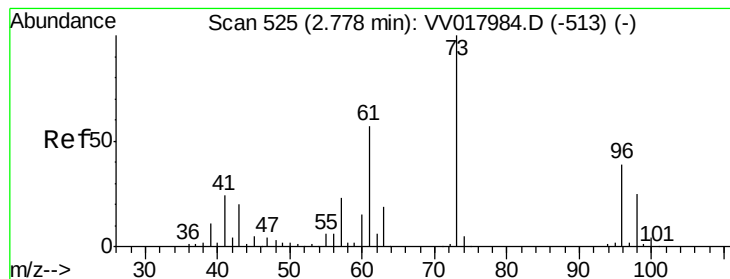
Tgt Ion: 43 Resp: 2776

Ion Ratio Lower Upper

43 100

58 25.6 0.0 63.6





#17

trans-1,2-Dichloroethene

Concen: 37.341 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018009.D

Acq: 14 Aug 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

F4L37

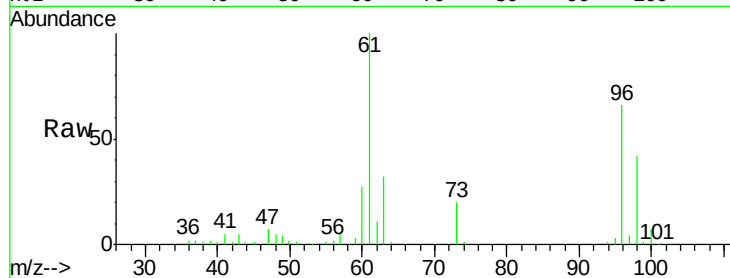
Tot Ion: 96 Resp: 62350

Ion Ratio Lower Upper

96 100

61 151.1 102.4 190.2

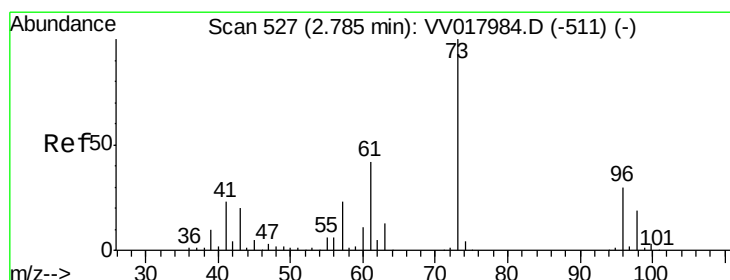
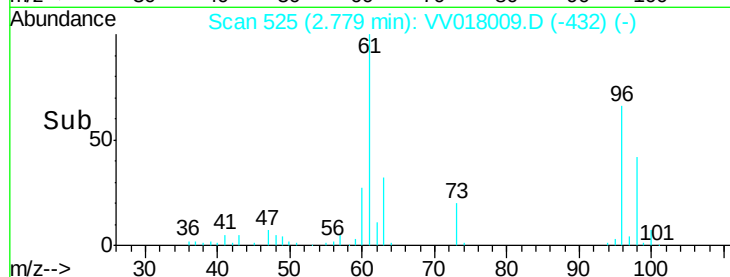
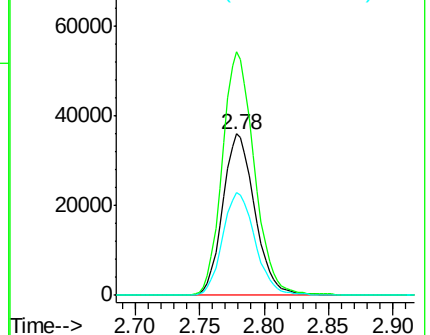
98 63.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017984.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV017984.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV017984.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 4.764 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018009.D

Acq: 14 Aug 2020 20:10

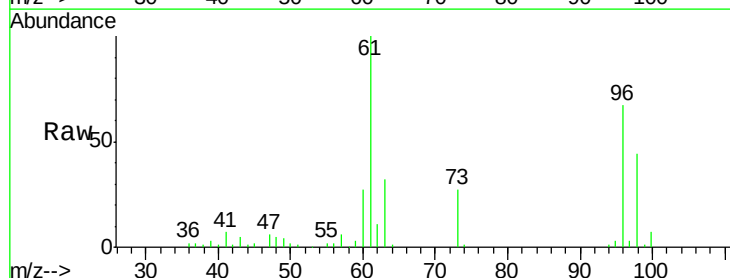
Tgt Ion: 73 Resp: 26306

Ion Ratio Lower Upper

73 100

43 21.4 15.9 23.9

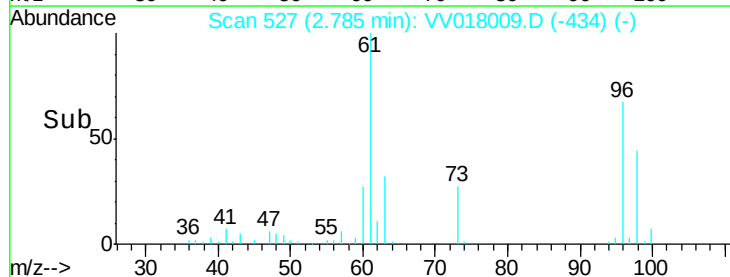
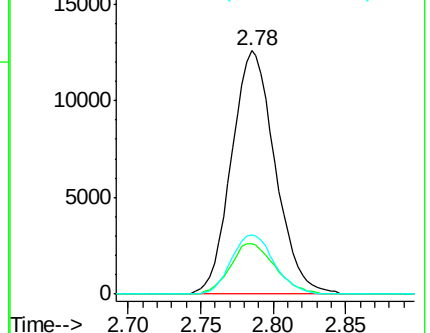
57 23.9 18.1 27.1

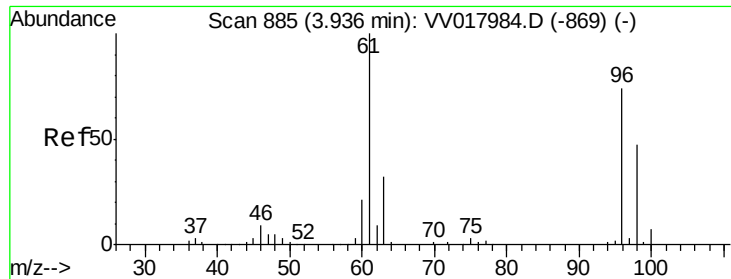


Abundance Ion 73.00 (72.70 to 73.70): VV017984.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV017984.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV017984.D (-511) (-)

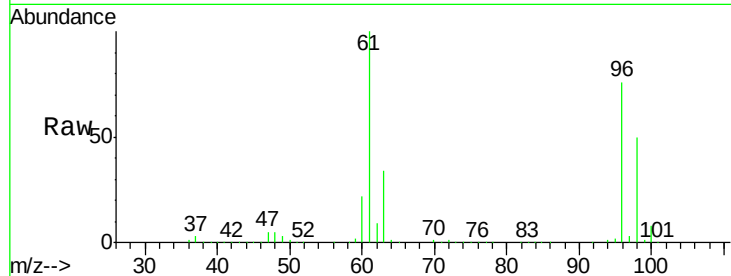




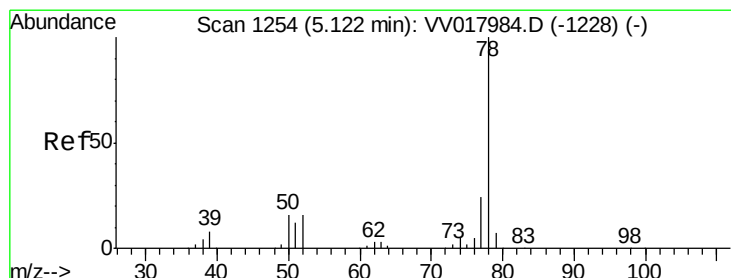
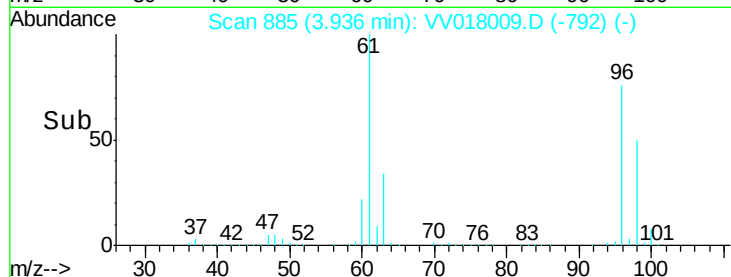
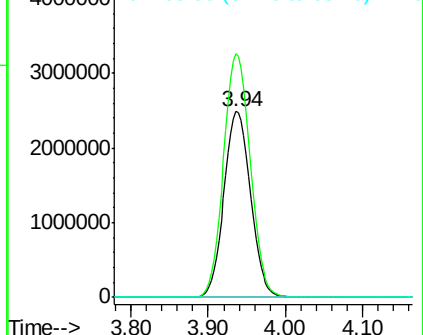
#20
 cis-1,2-Dichloroethene
 Concen: 3238.615 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018009.D
 Acq: 14 Aug 2020 20:10

Instrument :
 MSVOA_V
 ClientSampled :
 F4L37

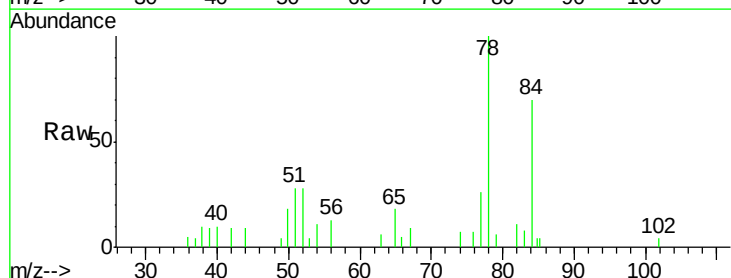
Tot Ion: 96 Resp: 5942505
 Ion Ratio Lower Upper
 96 100
 61 131.3 95.0 176.4
 68 0.0 0.0 0.0



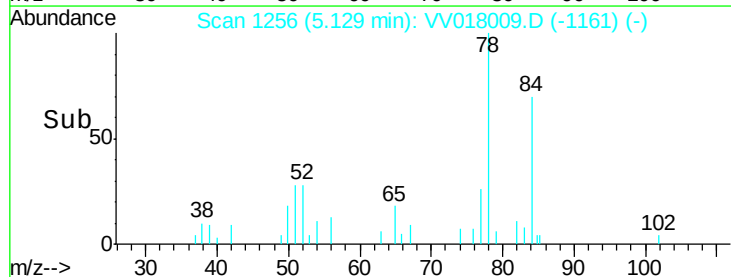
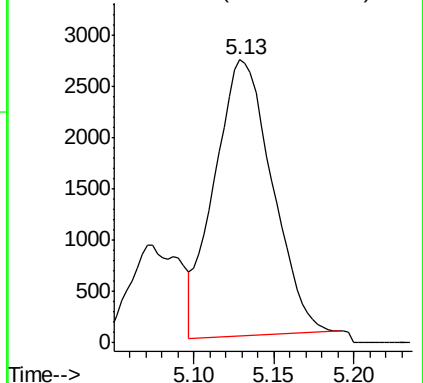
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

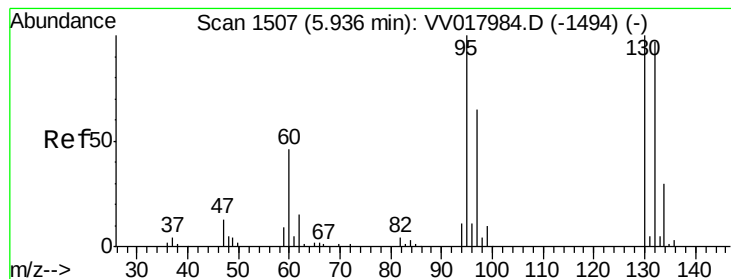


#33
 Benzene
 Concen: 0.903 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VV018009.D
 Acq: 14 Aug 2020 20:10
 Tgt Ion: 78 Resp: 6696



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 484.617 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018009.D

Acq: 14 Aug 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

F4L37

Tot Ion: 95 Resp: 950119

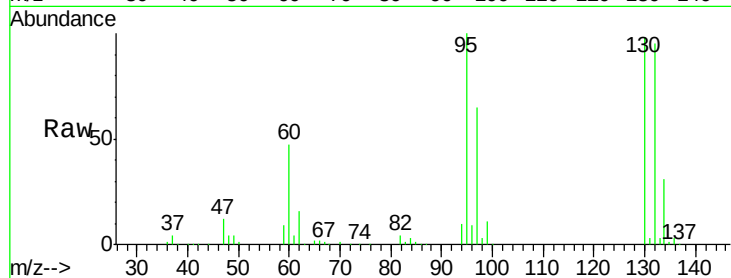
Ion Ratio Lower Upper

95 100

97 64.6 46.0 85.4

132 95.2 65.8 122.2

130 98.5 69.2 128.6



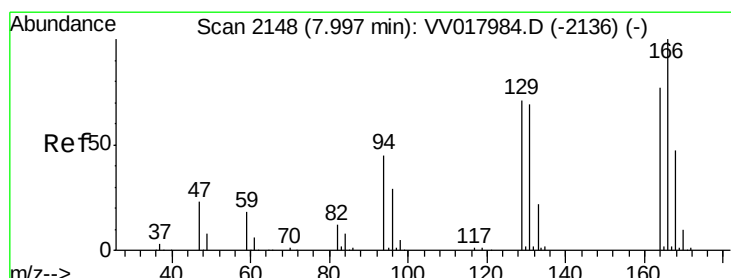
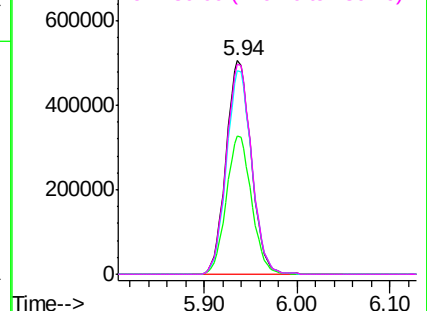
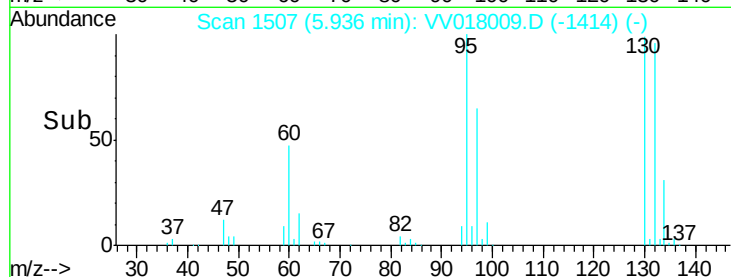
Abundance

Ion 95.00 (94.70 to 95.70): VV018009.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018009.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018009.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018009.D (-1414) (-)



#46

Tetrachloroethene

Concen: 36.716 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018009.D

Acq: 14 Aug 2020 20:10

Tgt Ion: 164 Resp: 52793

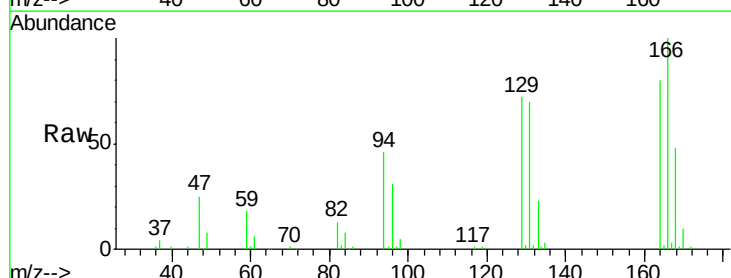
Ion Ratio Lower Upper

164 100

129 90.3 64.8 120.3

131 88.1 64.5 119.9

166 125.2 88.9 165.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018009.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV018009.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV018009.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV018009.D (-2055) (-)

