

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018917.D
 Acq On : 15 Oct 2020 17:50
 Operator : SY/MD
 Sample : L4351-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG5

Quant Time: Oct 16 08:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:38:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	334984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	332611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155544	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127562	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.52%
7) Chloroethane-d5	1.58	69	102086	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.46%
11) 1,1-Dichloroethene-d2	2.12	63	189389	36.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.76%
21) 2-Butanone-d5	3.91	46	183873	95.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.67%
24) Chloroform-d	4.38	84	227905	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	159620	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
32) Benzene-d6	5.07	84	463162	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.09	67	151292	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.46%
41) Toluene-d8	7.34	98	410220	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%
43) trans-1,3-Dichloropropene-	7.64	79	69178	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.18%
47) 2-Hexanone-d5	8.11	63	111755	96.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	167081	45.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	162631	51.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.78%

Target Compounds

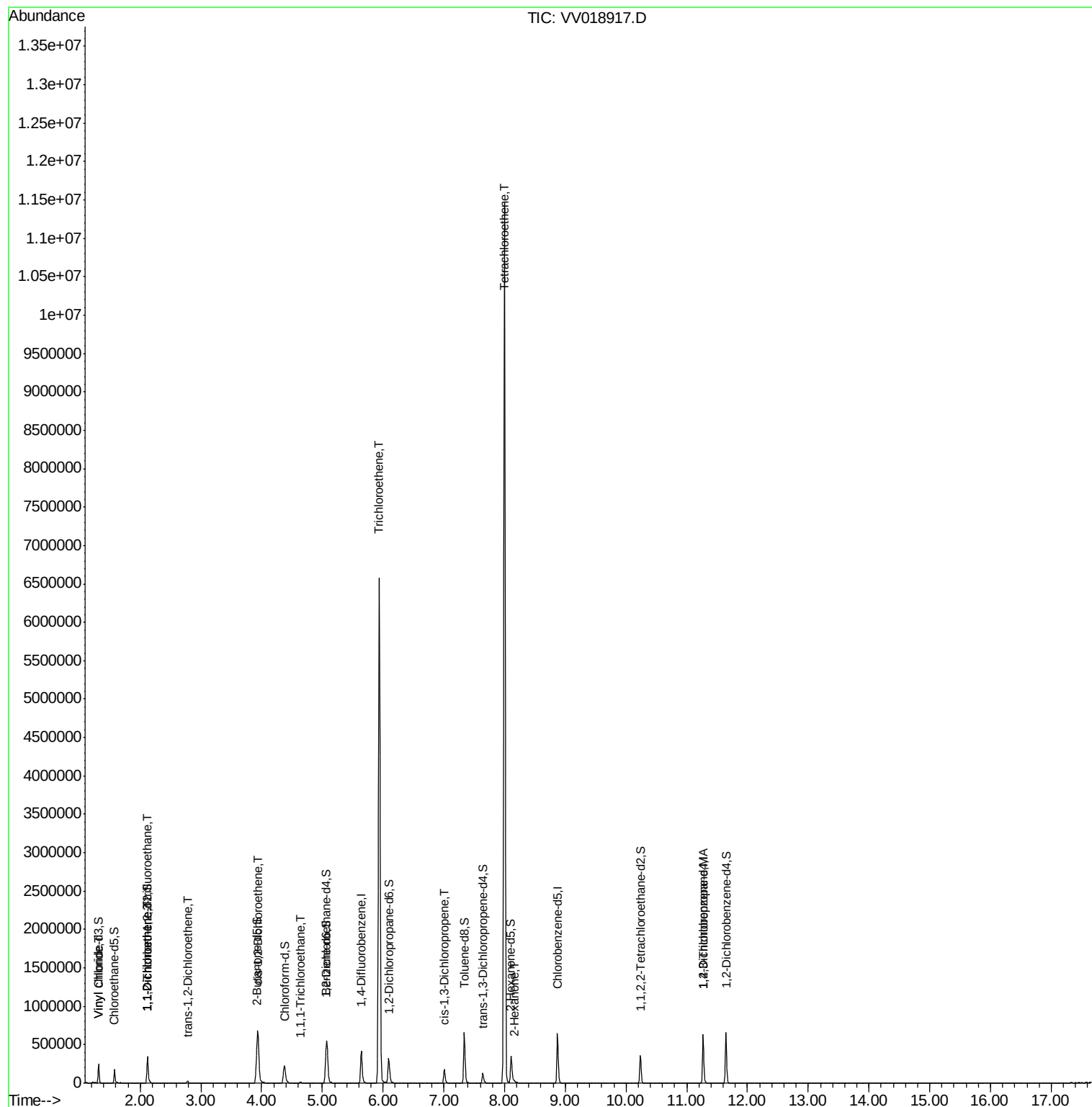
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	31209	9.871	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1585	0.729	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	4883	2.217	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	9176	3.754	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	346284	133.649	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	4885	1.184	ug/L #	89
34) Trichloroethene	5.94	95	2225072	756.762	ug/L	98
39) cis-1,3-Dichloropropene	7.01	75	4479	1.092	ug/L #	66
46) Tetrachloroethene	8.00	164	2438183	1176.639	ug/L	99
48) 2-Hexanone	8.16	43	8552	2.866	ug/L #	87
59) 1,2,3-Trichloropropane	11.27	75	19265	5.831	ug/L	91

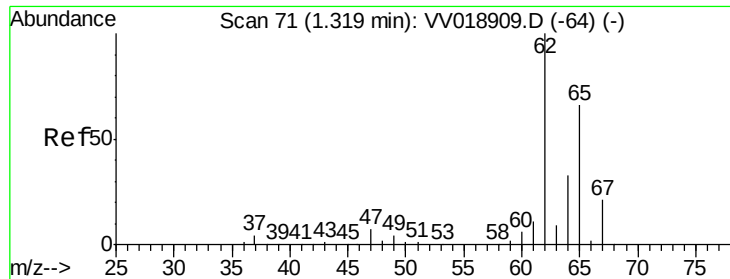
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.871 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

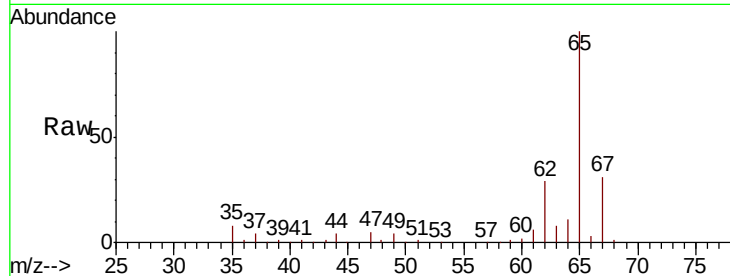
C0AG5

Tot Ion: 62 Resp: 31209

Ion Ratio Lower Upper

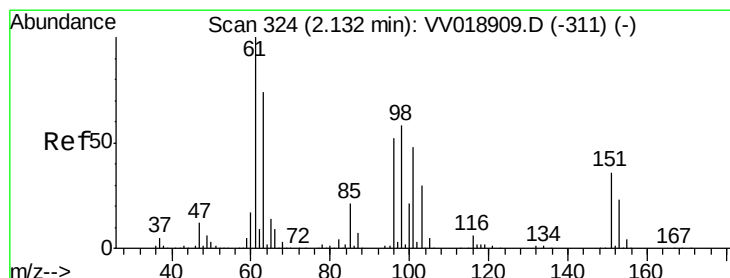
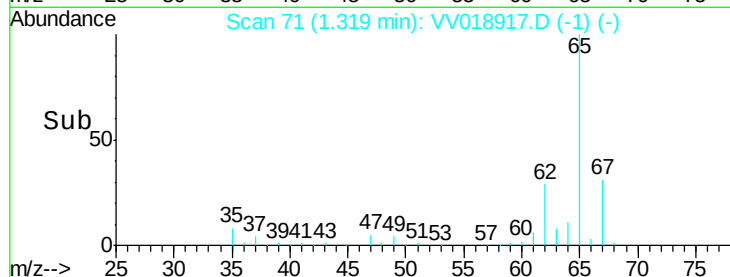
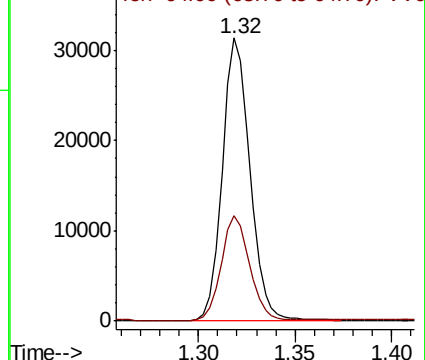
62 100

64 37.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.729 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

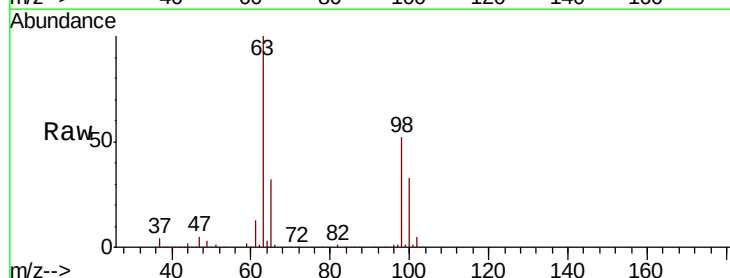
Tgt Ion: 101 Resp: 1585

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

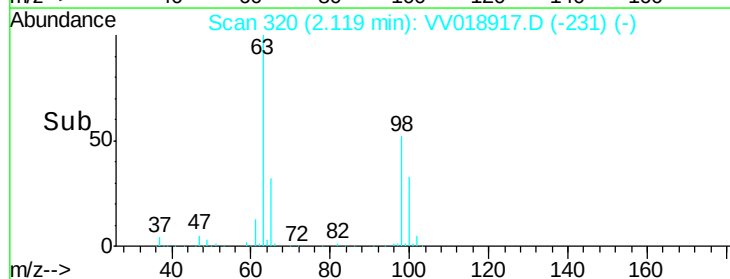
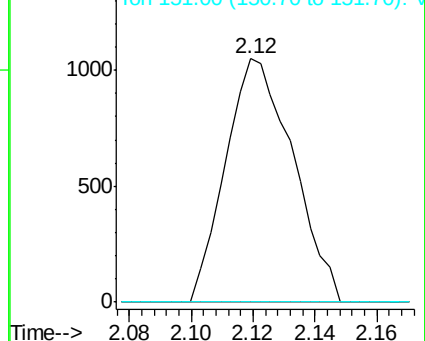
151 0.0 59.7 89.5#

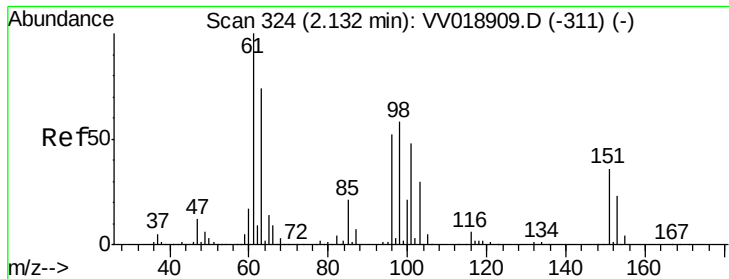


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 2.217 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

C0AG5

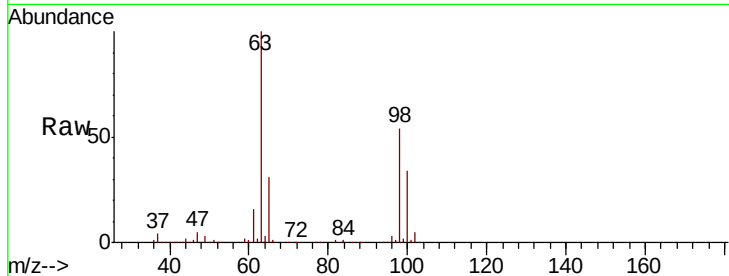
Tot Ion: 96 Resp: 4883

Ion Ratio Lower Upper

96 100

61 538.2 133.5 247.9#

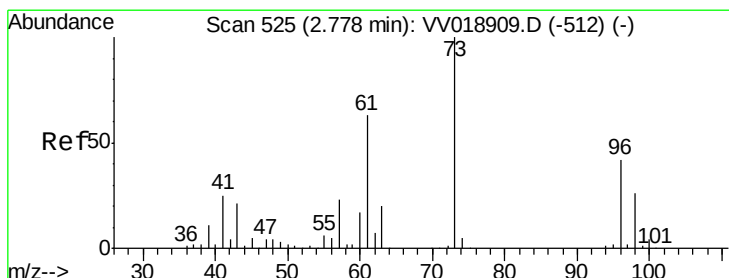
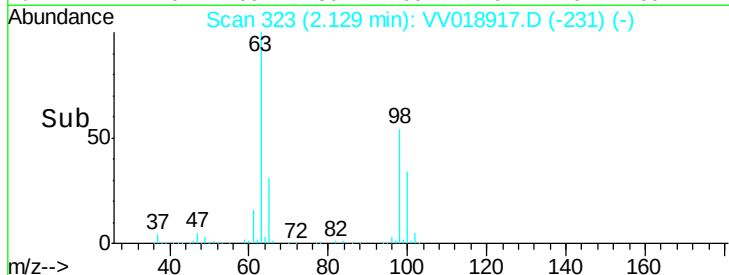
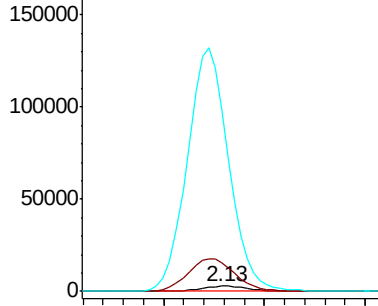
63 3397.5 102.1 189.7#



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



#17

trans-1,2-Dichloroethene

Concen: 3.754 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

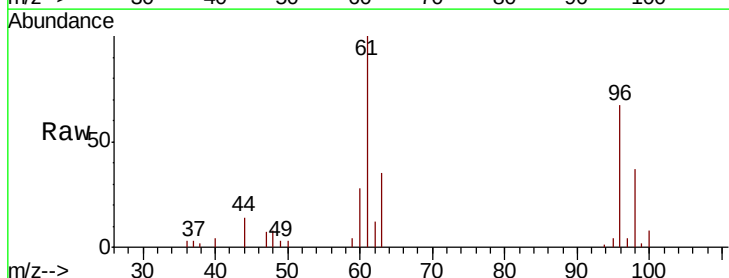
Tgt Ion: 96 Resp: 9176

Ion Ratio Lower Upper

96 100

61 149.3 102.8 190.8

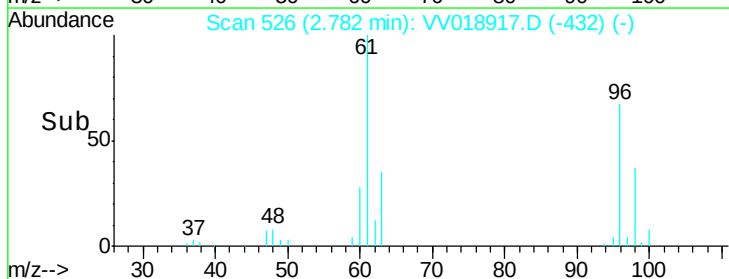
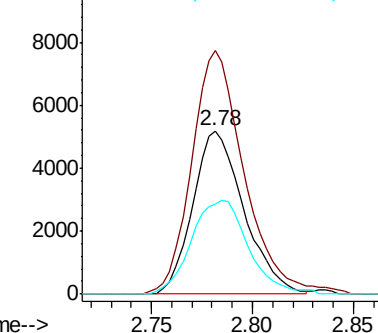
98 55.5 44.0 81.6

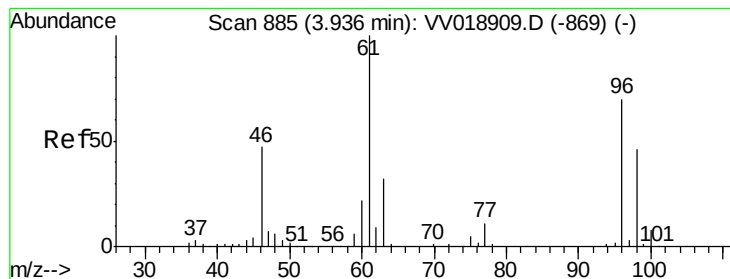


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 133.649 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Instrument :
MSVOA_V
ClientSampled :
C0AG5

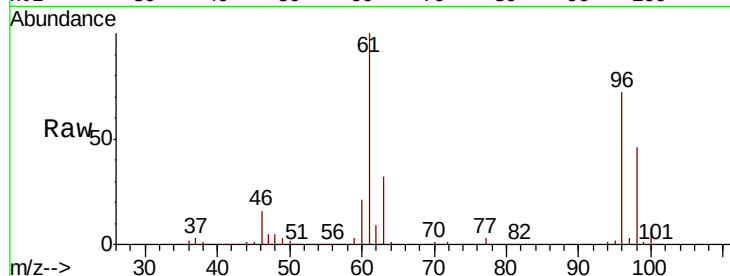
Tot Ion: 96 Resp: 346284

Ion Ratio Lower Upper

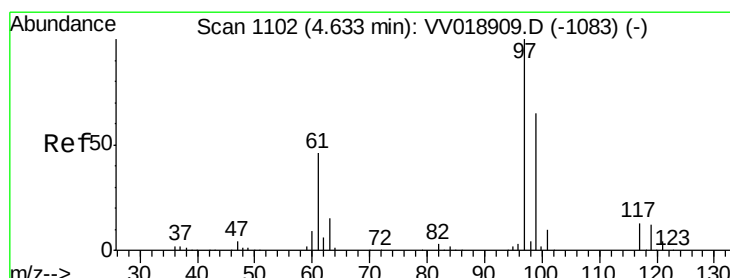
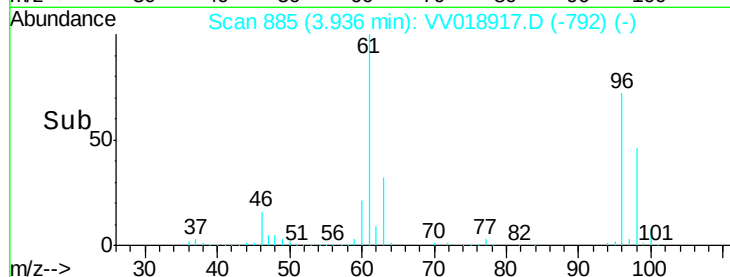
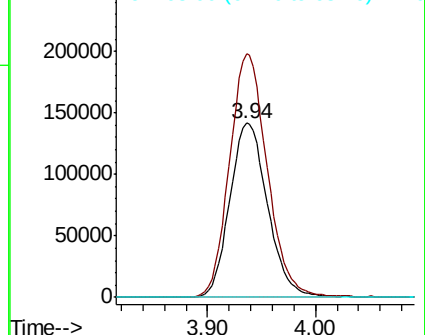
96 100

61 139.7 96.1 178.5

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



#30

1,1,1-Trichloroethane

Concen: 1.184 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

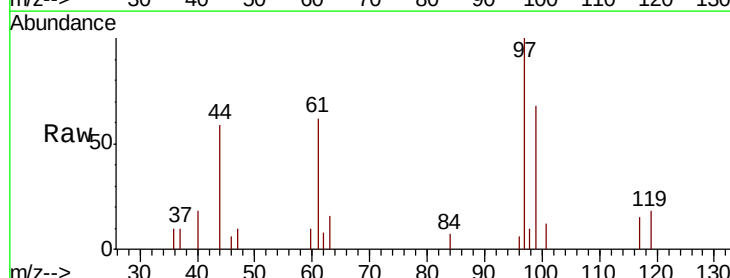
Tgt Ion: 97 Resp: 4885

Ion Ratio Lower Upper

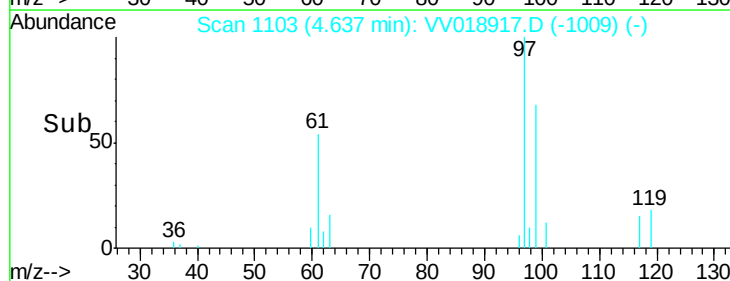
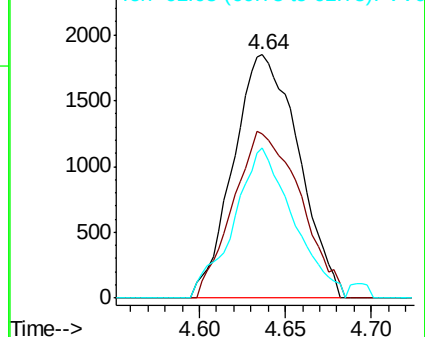
97 100

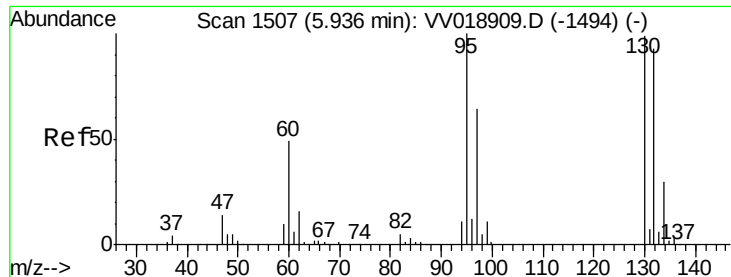
99 70.6 51.2 76.8

61 56.4 37.5 56.3#



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

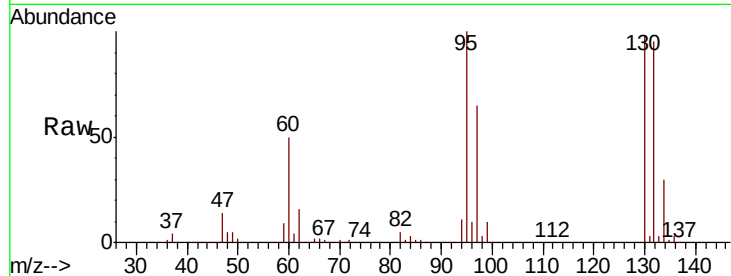




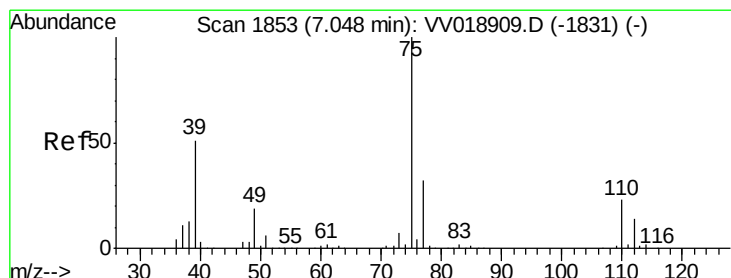
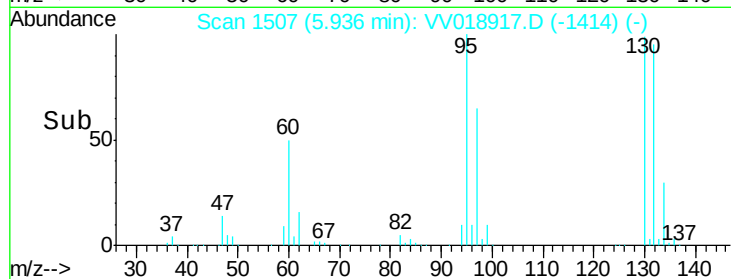
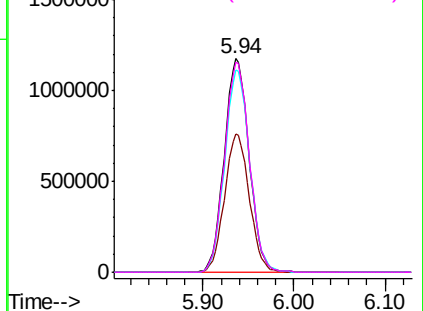
#34
 Trichloroethene
 Concen: 756.762 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018917.D
 Acq: 15 Oct 2020 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG5

Tot Ion: 95 Resp: 2225072
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 82.9
 132 94.7 67.0 124.4
 130 98.3 70.8 131.6

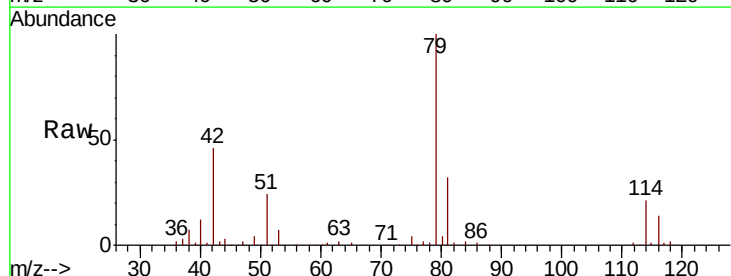


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

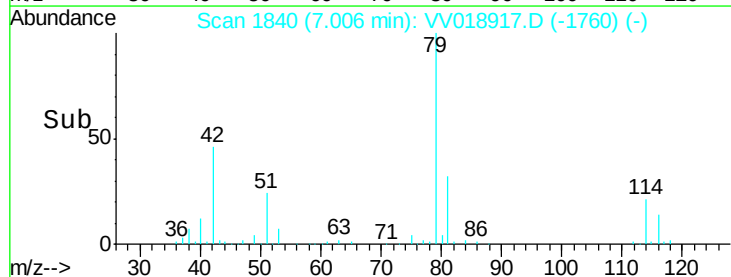
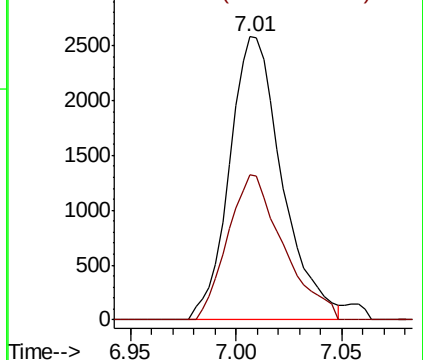


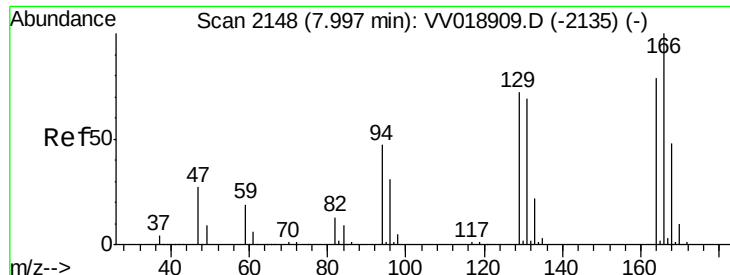
#39
 cis-1,3-Dichloropropene
 Concen: 1.092 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018917.D
 Acq: 15 Oct 2020 17:50

Tgt Ion: 75 Resp: 4479
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 1176.639 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

C0AG5

Tot Ion:164 Resp: 2438183

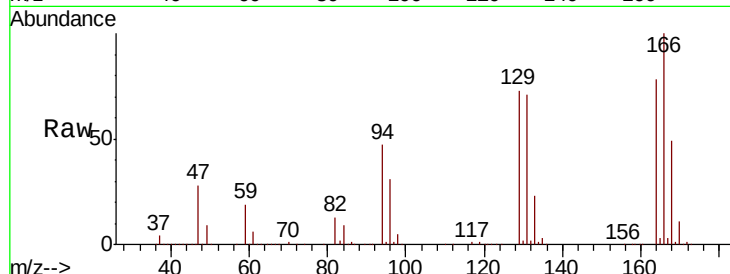
Ion Ratio Lower Upper

164 100

129 93.9 65.0 120.8

131 91.2 62.9 116.7

166 129.0 91.1 169.3

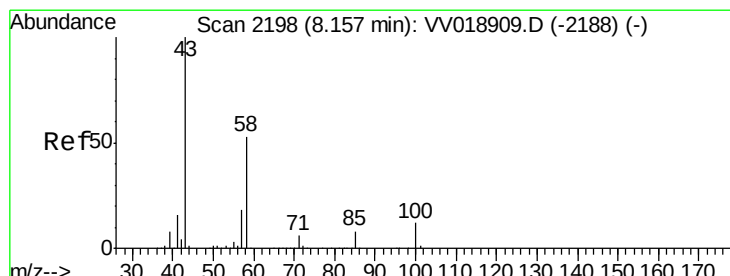
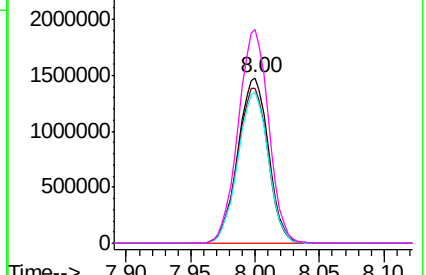
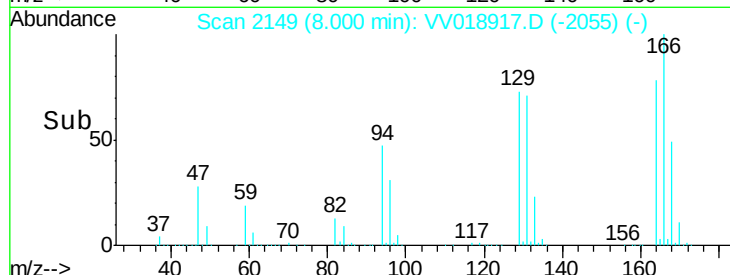


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.866 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Tgt Ion: 43 Resp: 8552

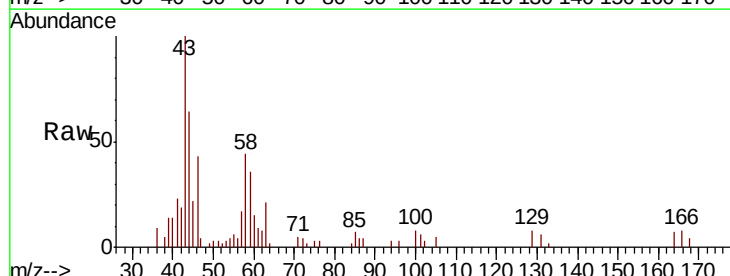
Ion Ratio Lower Upper

43 100

58 46.8 42.5 63.7

57 7.6 14.5 21.7#

100 5.7 9.0 13.4#

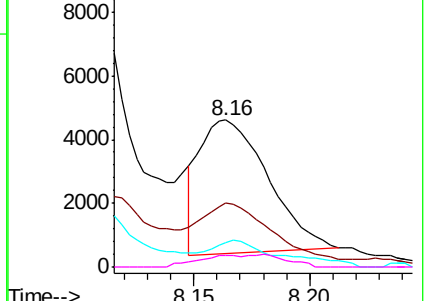
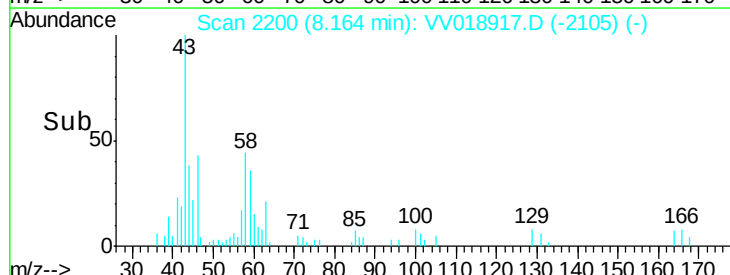


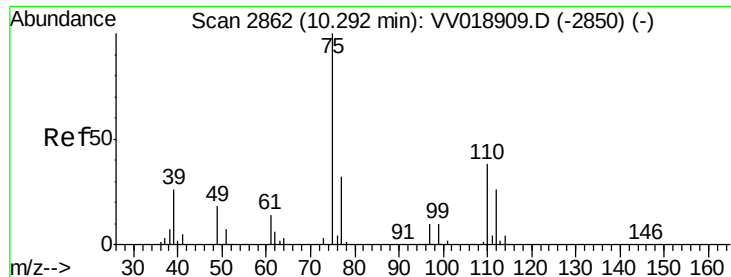
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.831 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018917.D

Acq: 15 Oct 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

C0AG5

Tot Ion: 75 Resp: 19265

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.2

