

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018839.D
 Acq On : 10 Oct 2020 17:47
 Operator : SY/MD
 Sample : L4351-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG2

Quant Time: Oct 12 06:01:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291229	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282941	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	135138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89931	33.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.98%
7) Chloroethane-d5	1.58	69	84326	39.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.18%
11) 1,1-Dichloroethene-d2	2.12	63	143933	28.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.42%#
21) 2-Butanone-d5	3.91	46	185945	114.44	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.44%
24) Chloroform-d	4.38	84	207475	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.06	65	145547	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
32) Benzene-d6	5.08	84	380938	41.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.66%
36) 1,2-Dichloropropane-d6	6.09	67	126577	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.26%
41) Toluene-d8	7.34	98	326645	40.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.82%
43) trans-1,3-Dichloropropene-	7.64	79	55483	38.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.46%
47) 2-Hexanone-d5	8.11	63	98935	95.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	164419	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	143244	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%

Target Compounds

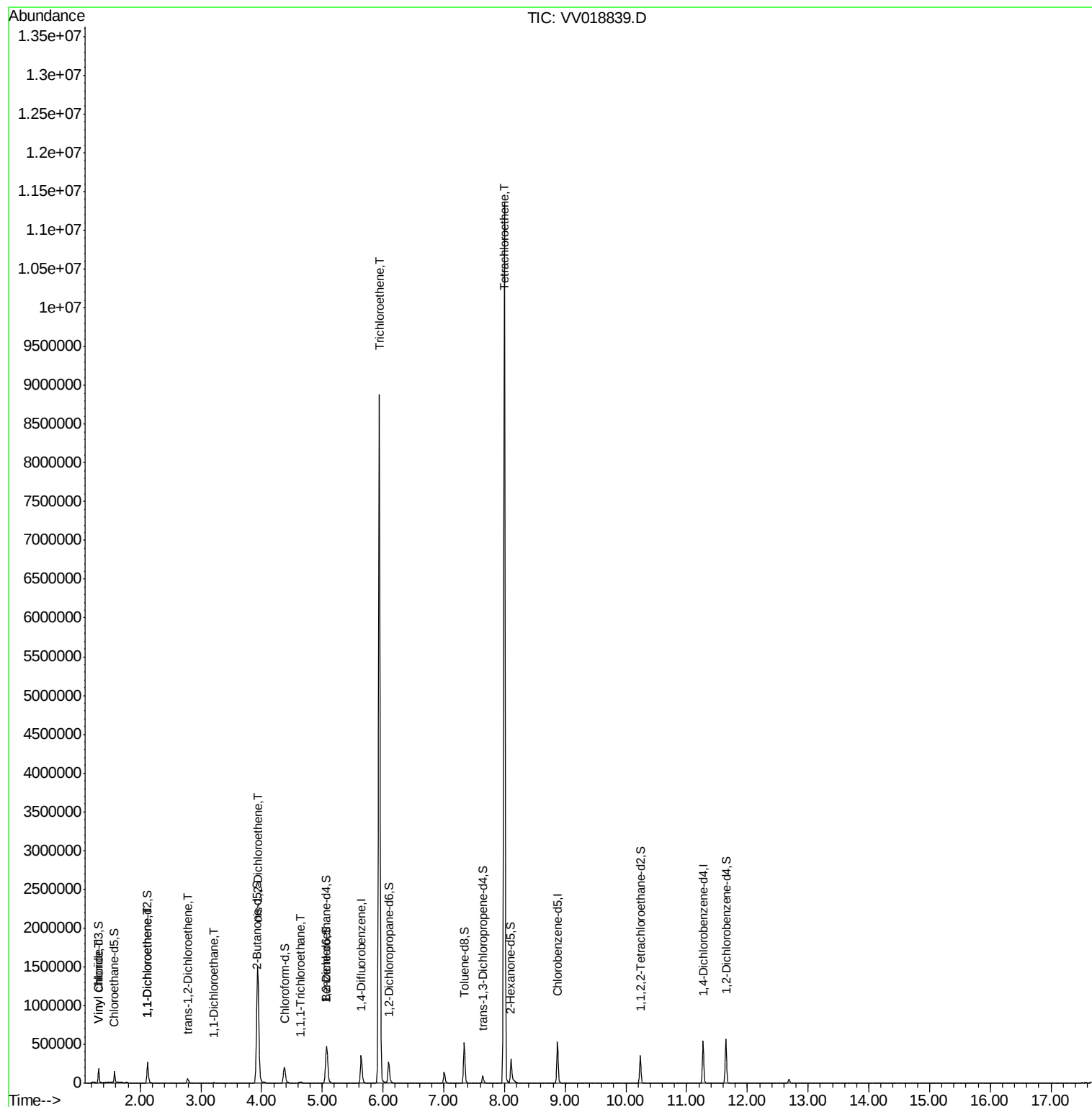
					Ovalue
5) Vinyl chloride	1.32	62	29719	11.558	ug/L 92
12) 1,1-Dichloroethene	2.13	96	8038	3.988	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	19250	9.048	ug/L 100
19) 1,1-Dichloroethane	3.21	63	5338	1.278	ug/L # 88
20) cis-1,2-Dichloroethene	3.94	96	779213	346.546	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	12076	3.202	ug/L # 85
34) Trichloroethene	5.94	95	2997153	1160.111	ug/L 99
46) Tetrachloroethene	8.00	164	2412727	1274.289	ug/L 99

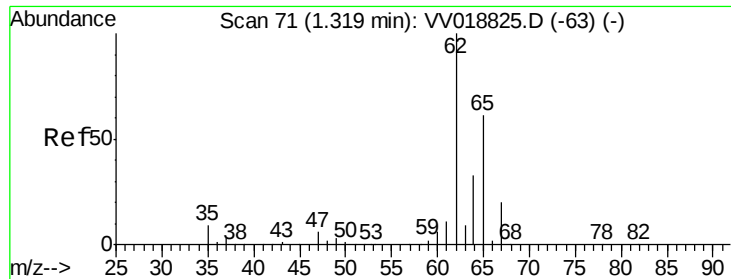
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.558 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

Instrument :

MSVOA_V

ClientSampleId :

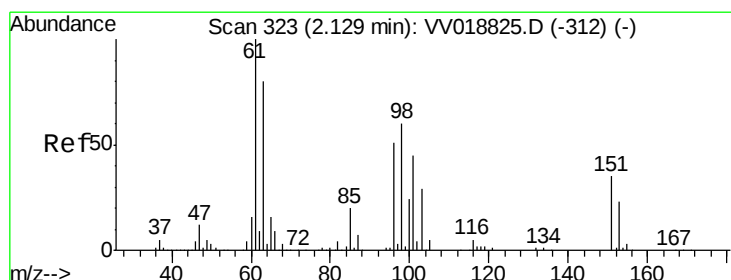
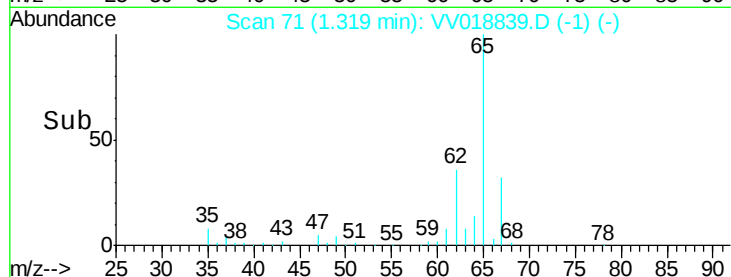
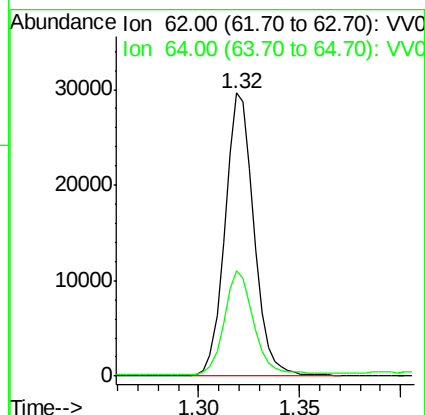
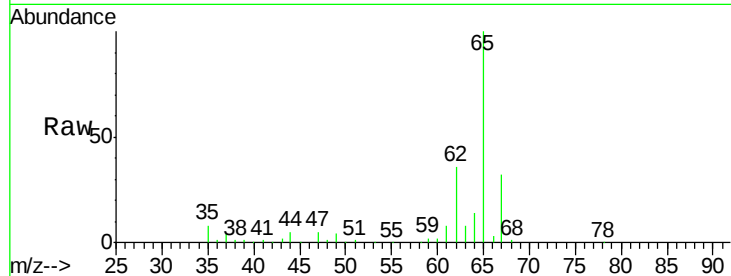
C0AG2

Tot Ion: 62 Resp: 29719

Ion Ratio Lower Upper

62 100

64 37.4 23.2 43.0



#12

1,1-Dichloroethene

Concen: 3.988 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

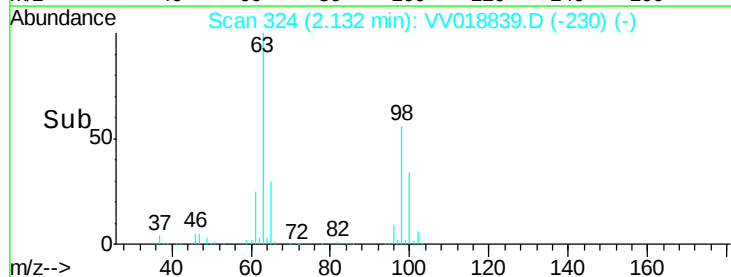
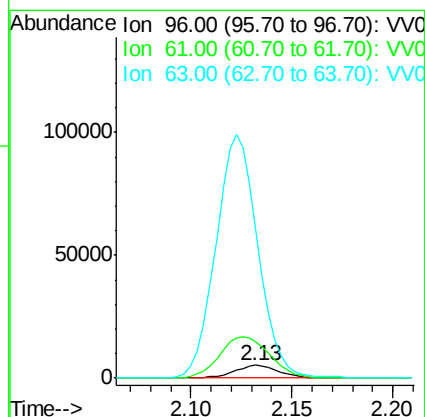
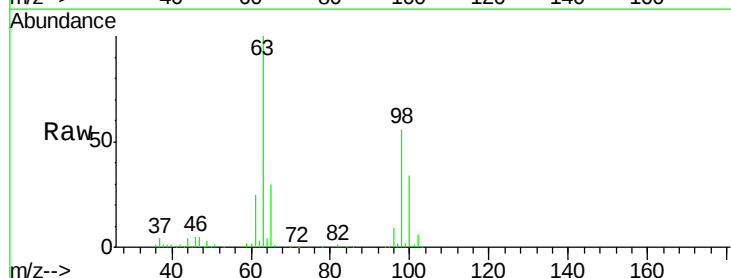
Tgt Ion: 96 Resp: 8038

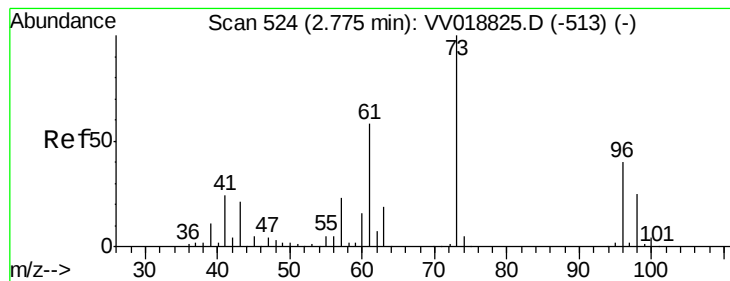
Ion Ratio Lower Upper

96 100

61 282.6 133.6 248.0#

63 1148.8 108.4 201.4#





#17

trans-1,2-Dichloroethene

Concen: 9.048 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

Instrument :

MSVOA_V

ClientSampled :

C0AG2

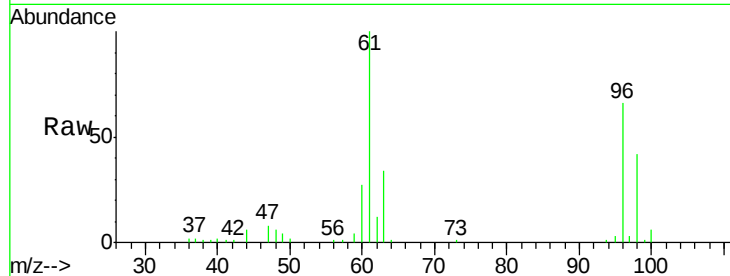
Tot Ion: 96 Resp: 19250

Ion Ratio Lower Upper

96 100

61 151.0 105.7 196.3

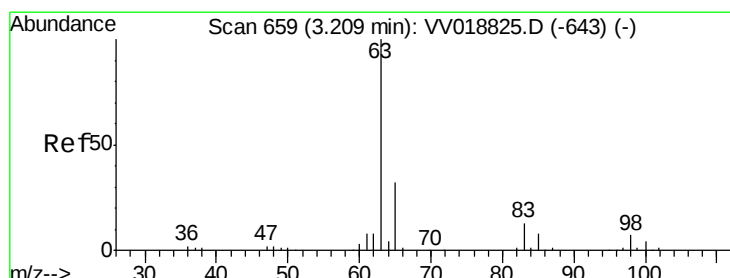
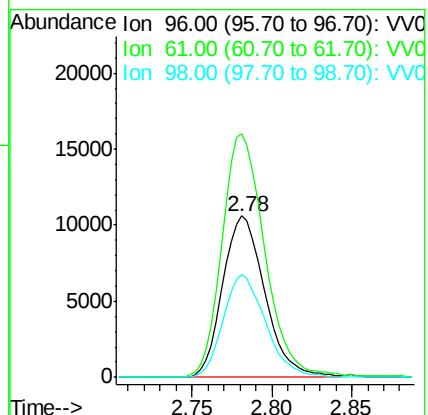
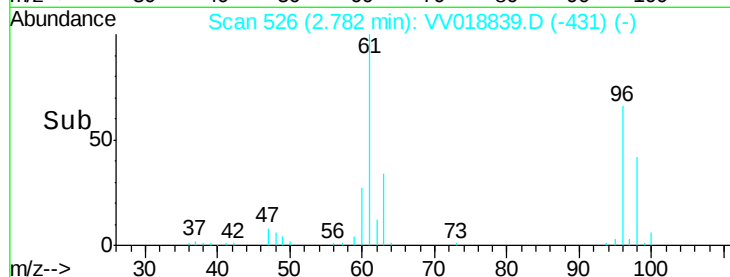
98 63.8 44.7 83.1



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



#19

1,1-Dichloroethane

Concen: 1.278 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

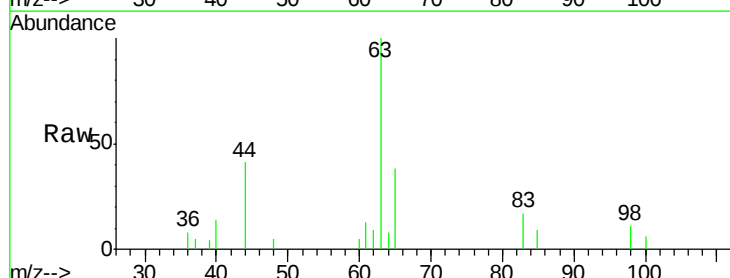
Tgt Ion: 63 Resp: 5338

Ion Ratio Lower Upper

63 100

65 38.3 22.0 40.8

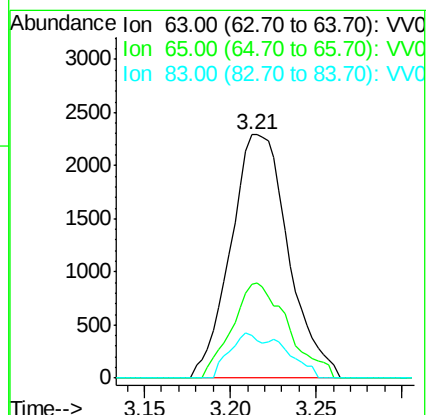
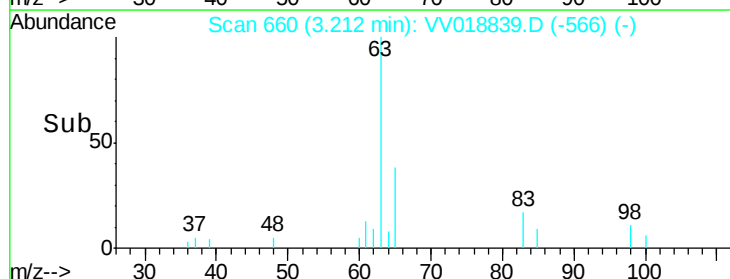
83 17.5 9.2 17.0#

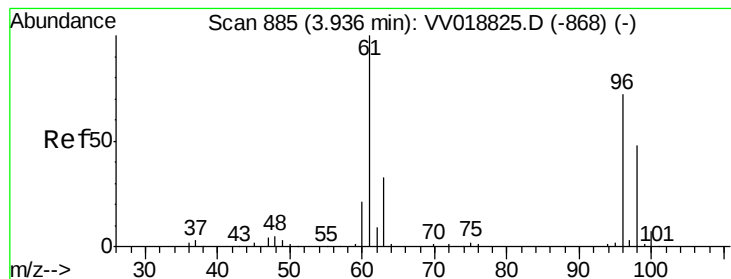


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 346.546 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

Instrument :

MSVOA_V

ClientSampled :

C0AG2

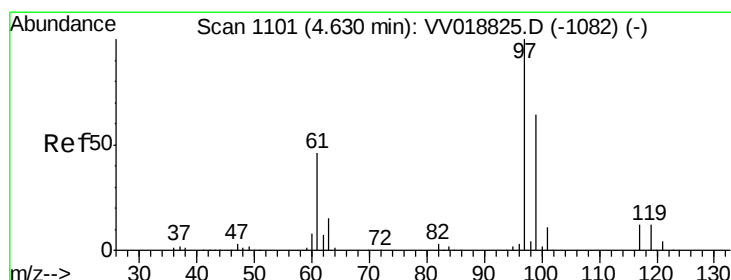
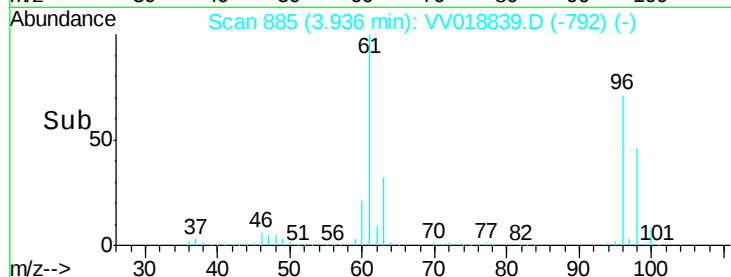
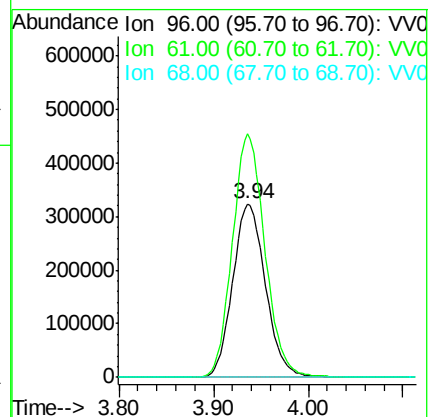
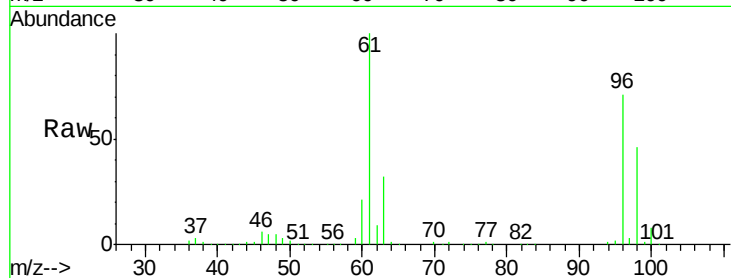
Tot Ion: 96 Resp: 779213

Ion Ratio Lower Upper

96 100

61 140.2 97.3 180.7

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 3.202 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

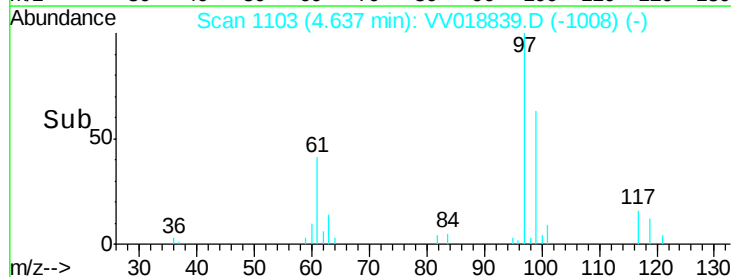
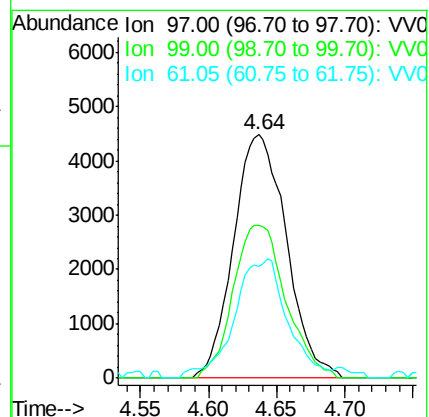
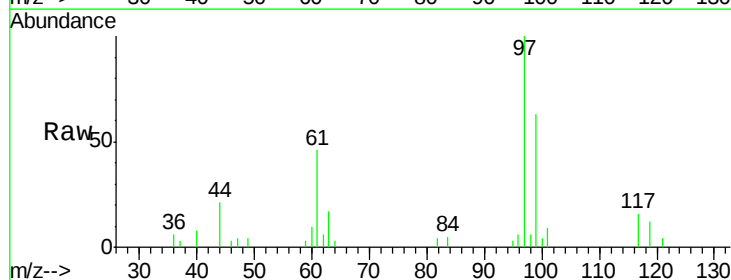
Tgt Ion: 97 Resp: 12076

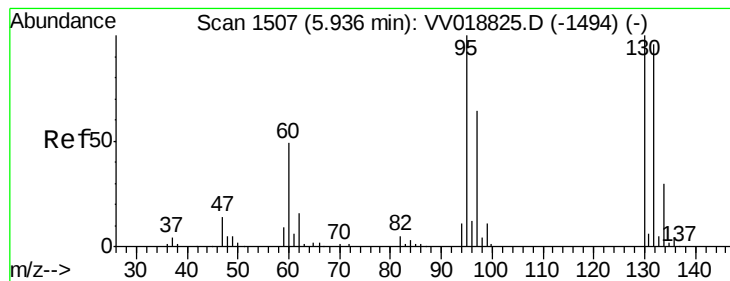
Ion Ratio Lower Upper

97 100

99 62.6 51.0 76.4

61 24.4 37.0 55.4#





#34

Trichloroethene

Concen: 1160.111 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

Instrument :

MSVOA_V

ClientSampleID :

C0AG2

Tot Ion: 95 Resp: 2997153

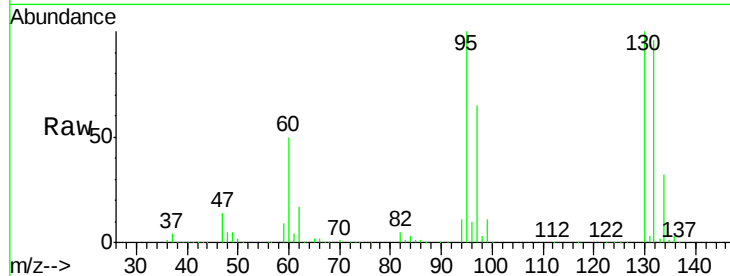
Ion Ratio Lower Upper

95 100

97 64.9 45.1 83.9

132 96.2 66.2 123.0

130 99.5 69.1 128.3



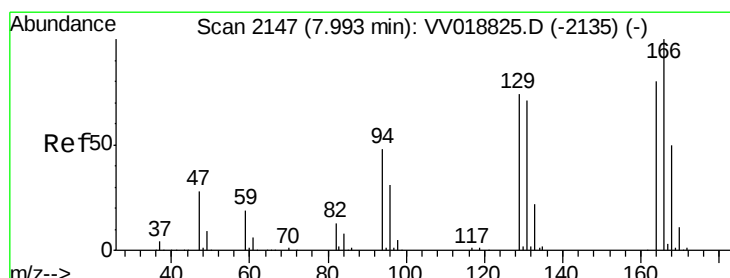
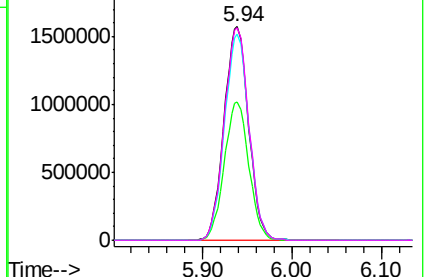
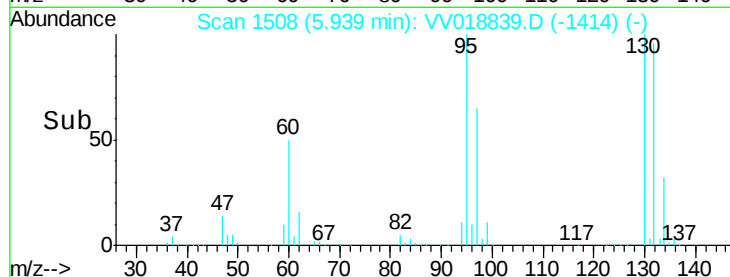
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 1274.289 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018839.D

Acq: 10 Oct 2020 17:47

Tgt Ion: 164 Resp: 2412727

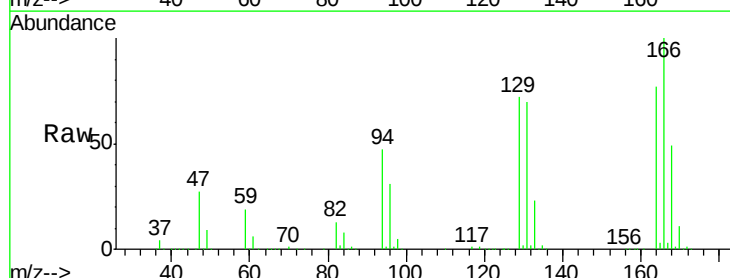
Ion Ratio Lower Upper

164 100

129 92.8 64.6 120.0

131 90.8 63.6 118.0

166 129.3 88.3 164.1



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

