

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022020\
 Data File : VV014639.D
 Acq On : 20 Feb 2020 21:18
 Operator : SY/MD
 Sample : L1607-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ3

Quant Time: Feb 21 10:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 03:31:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	267519	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	248201	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	120752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49929	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.59	69	34637	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.88%
11) 1,1-Dichloroethene-d2	2.14	63	118868	69.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	138.68%#
21) 2-Butanone-d5	3.94	46	89925	105.55	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.55%
24) Chloroform-d	4.40	84	143690	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.08	65	100095	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
32) Benzene-d6	5.10	84	318858	53.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.44%
36) 1,2-Dichloropropane-d6	6.12	67	93476	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.58%
41) Toluene-d8	7.36	98	288645	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.66	79	49203	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.13	63	73206	102.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.47%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	123070	50.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.44%
64) 1,2-Dichlorobenzene-d4	11.67	152	111529	52.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.56%

Target Compounds

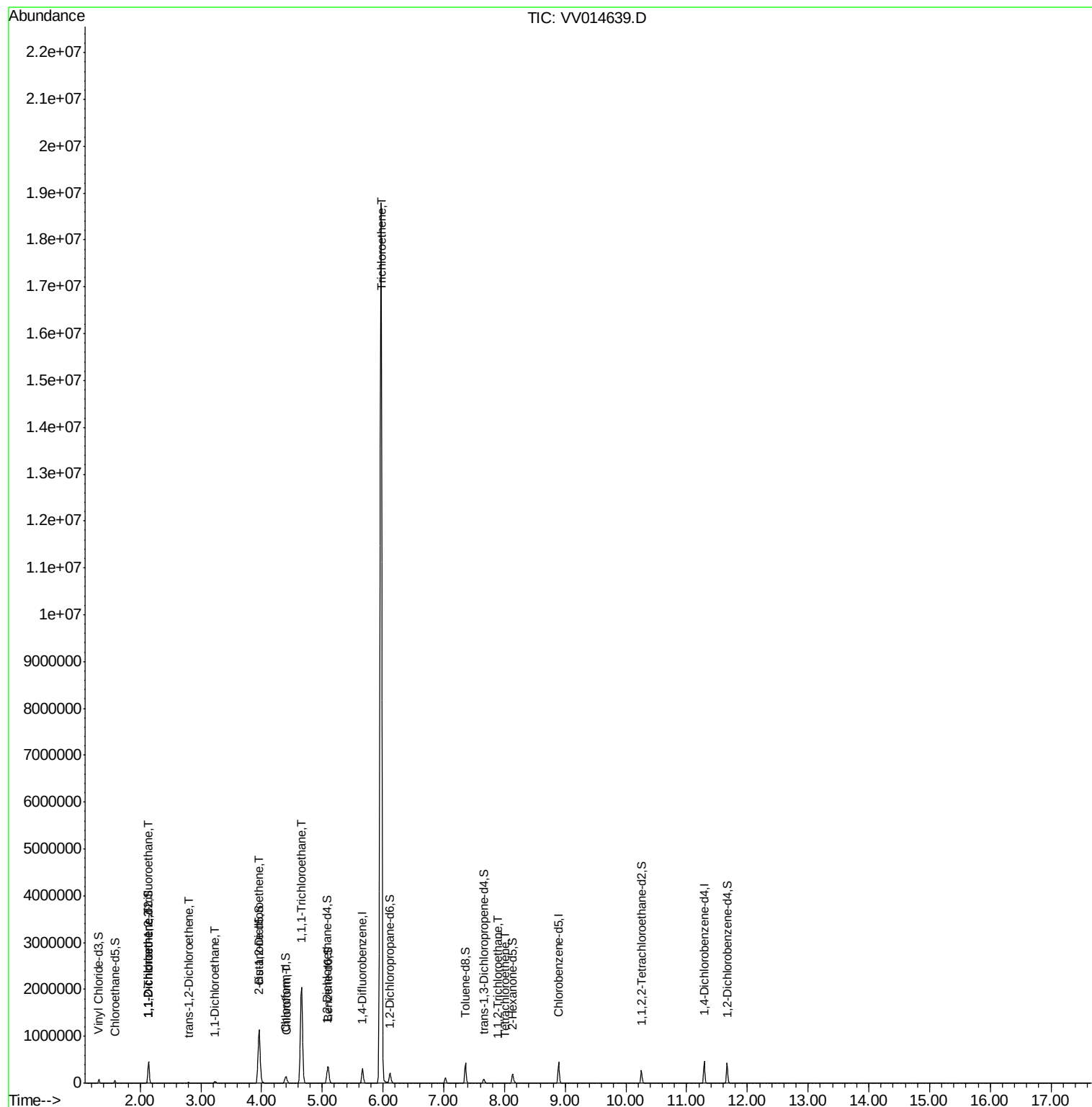
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	21637	24.515	ug/L	99
12) 1,1-Dichloroethene	2.14	96	89817	109.472	ug/L	84
17) trans-1,2-Dichloroethene	2.80	96	4863	3.005	ug/L	94
19) 1,1-Dichloroethane	3.23	63	31796	11.204	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	653110	349.047	ug/L	97
25) Chloroform	4.43	83	13686	4.359	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	1720004	637.017	ug/L	99
34) Trichloroethene	5.97	95	6903068	3925.517	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	1054	0.634	ug/L	92
46) Tetrachloroethene	8.02	164	2066	1.494	ug/L	90

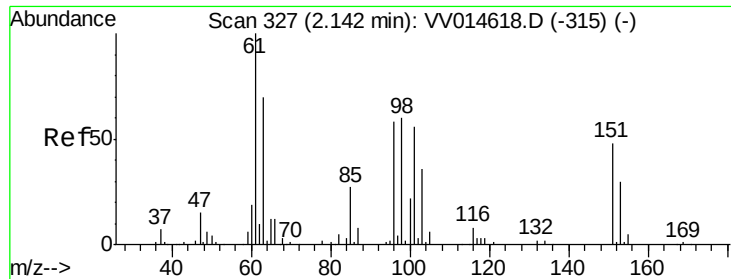
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 24.515 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Instrument :

MSVOA_V

ClientSampleId :

C0AQ3

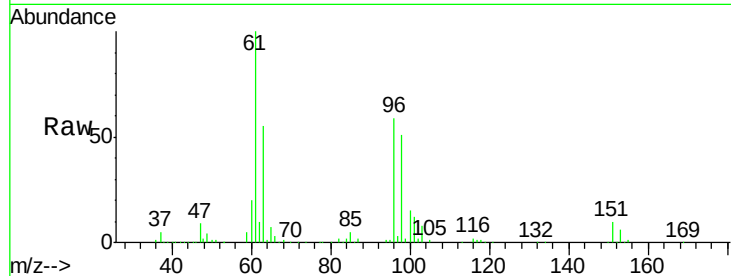
Tot Ion:101 Resp: 21637

Ion Ratio Lower Upper

101 100

85 45.3 35.4 53.0

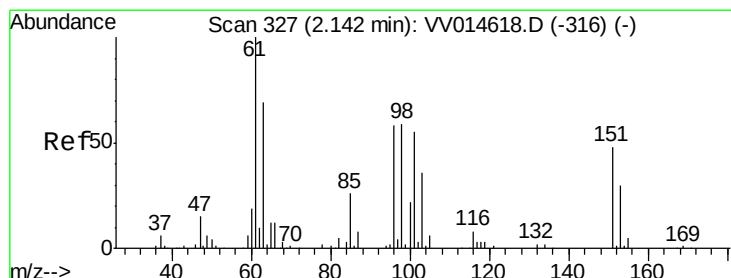
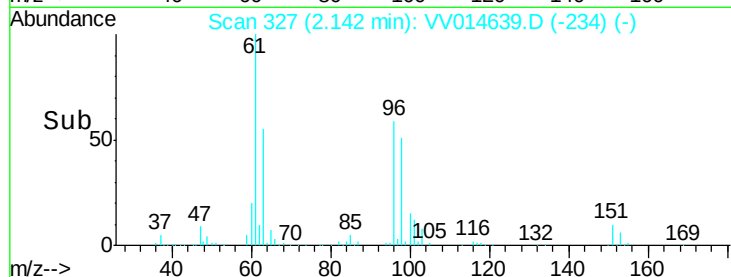
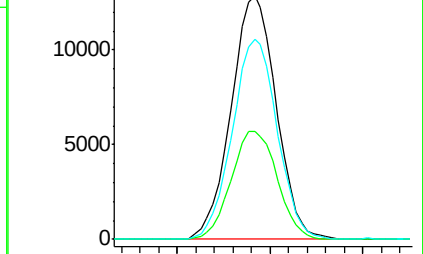
151 82.3 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV014618.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV014618.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV014618.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 109.472 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

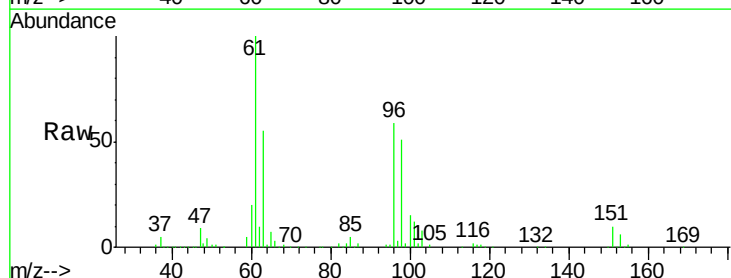
Tgt Ion: 96 Resp: 89817

Ion Ratio Lower Upper

96 100

61 169.2 124.2 230.6

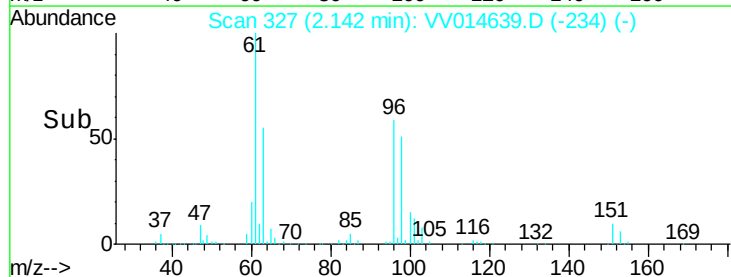
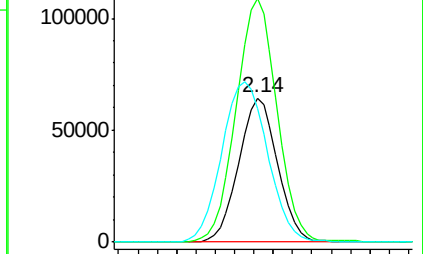
63 93.0 89.2 165.8

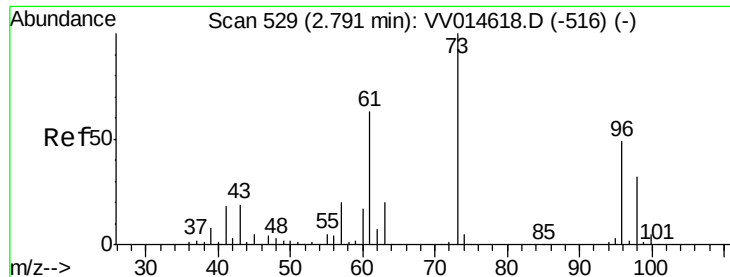


Abundance Ion 96.00 (95.70 to 96.70): VV014639.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014639.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014639.D (-234) (-)





#17

trans-1,2-Dichloroethene

Concen: 3.005 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Instrument :

MSVOA_V

ClientSampleId :

C0AQ3

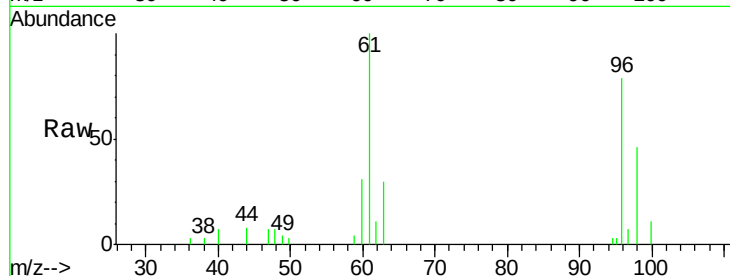
Tot Ion: 96 Resp: 4863

Ion Ratio Lower Upper

96 100

61 127.0 93.0 172.6

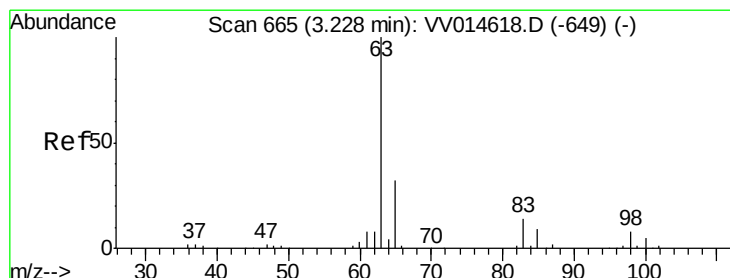
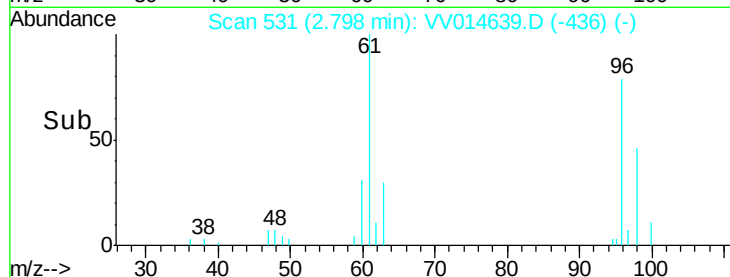
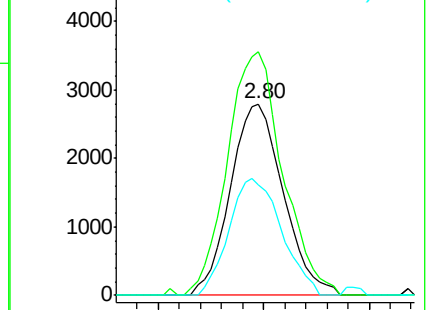
98 57.8 44.2 82.0



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: 11.204 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

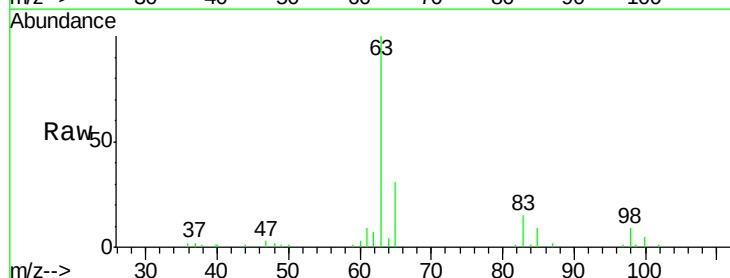
Tgt Ion: 63 Resp: 31796

Ion Ratio Lower Upper

63 100

65 30.7 22.2 41.2

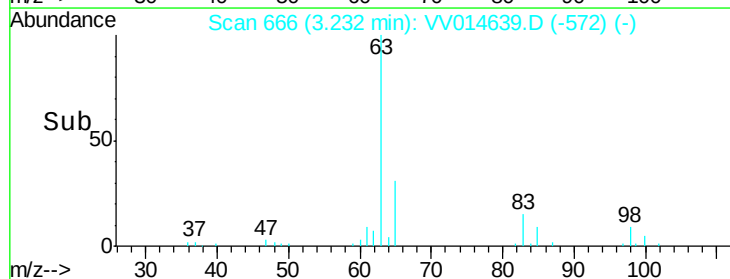
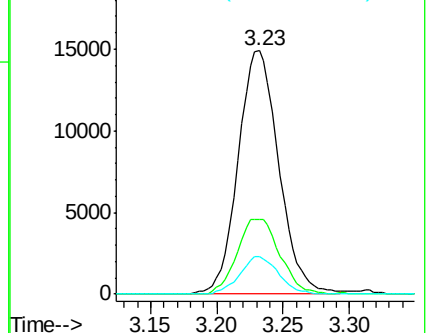
83 15.3 10.4 19.2

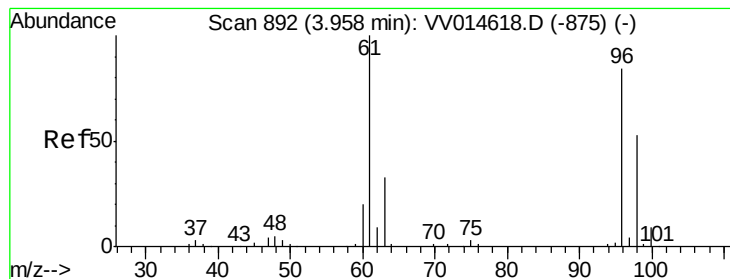


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 349.047 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Instrument :

MSVOA_V

ClientSampled :

C0AQ3

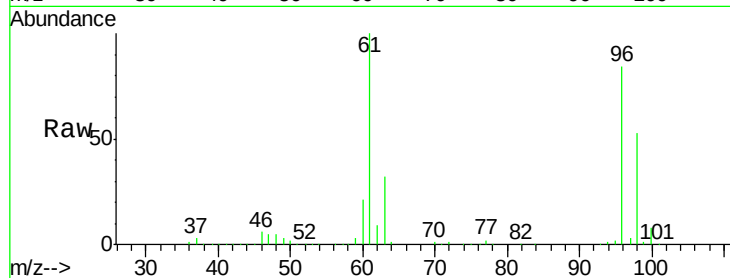
Tot Ion: 96 Resp: 653110

Ion Ratio Lower Upper

96 100

61 119.5 85.9 159.5

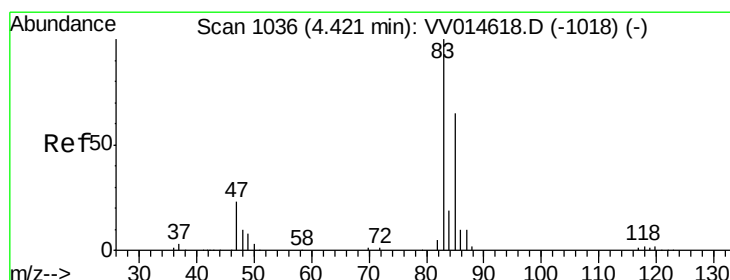
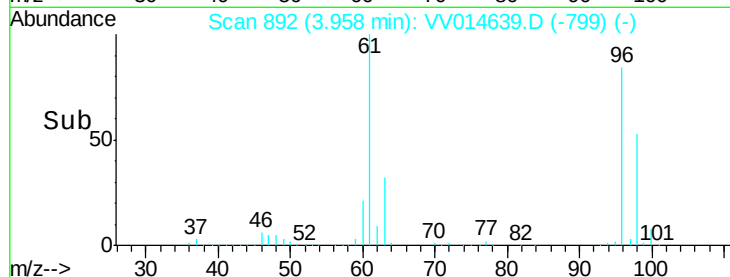
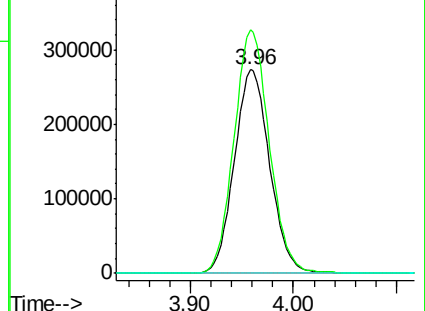
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014618.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV014618.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV014618.D (-875) (-)



#25

Chloroform

Concen: 4.359 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV014639.D

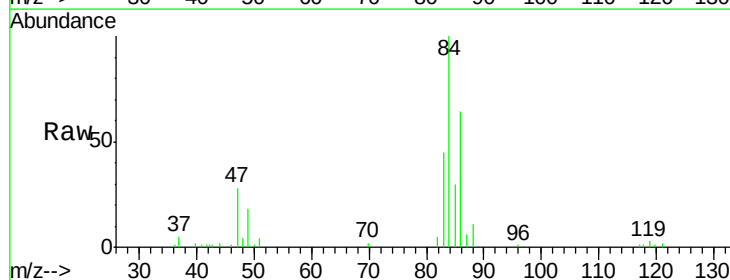
Acq: 20 Feb 2020 21:18

Tgt Ion: 83 Resp: 13686

Ion Ratio Lower Upper

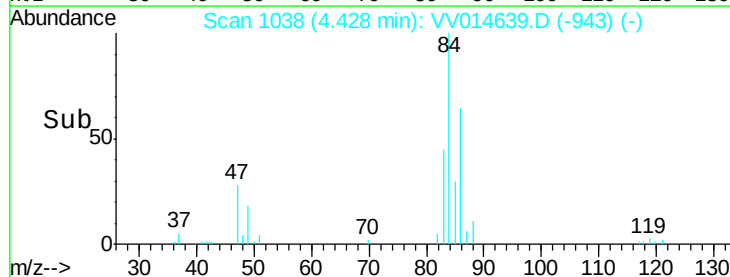
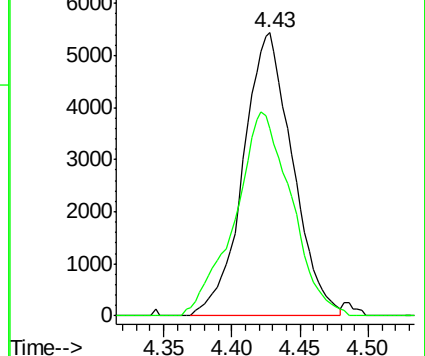
83 100

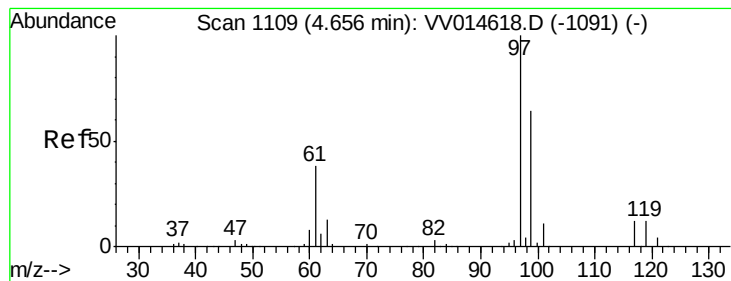
85 66.3 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV014618.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV014618.D (-1018) (-)





#30

1,1,1-Trichloroethane

Concen: 637.017 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Instrument :

MSVOA_V

ClientSampleId :

C0AQ3

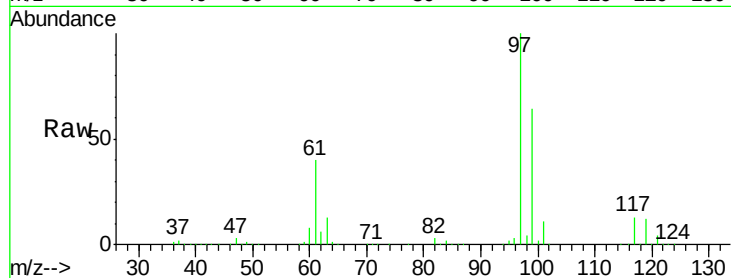
Tot Ion: 97 Resp: 1720004

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

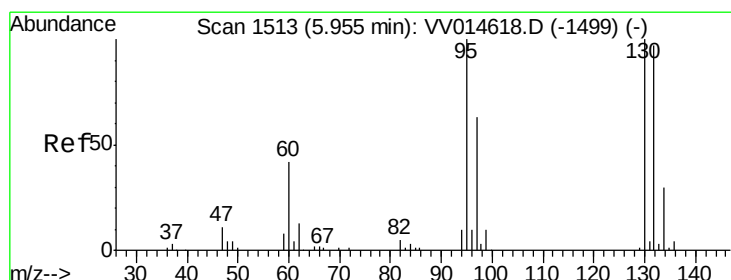
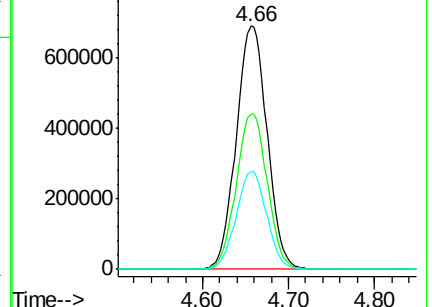
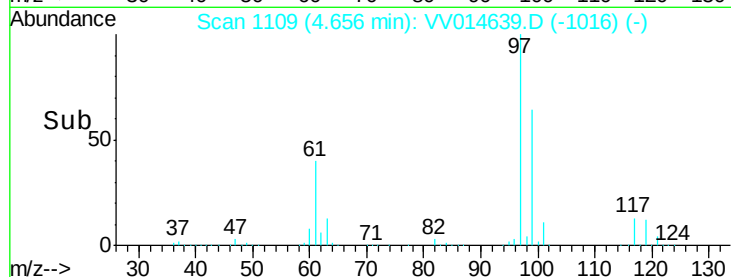
61 39.8 32.4 48.6



Abundance Ion 97.00 (96.70 to 97.70): VV014639.D (-1016) (-)

Ion 99.00 (98.70 to 99.70): VV014639.D (-1016) (-)

Ion 61.05 (60.75 to 61.75): VV014639.D (-1016) (-)



#34

Trichloroethene

Concen: 3925.517 ug/L

RT: 5.97 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Tgt Ion: 95 Resp: 6903068

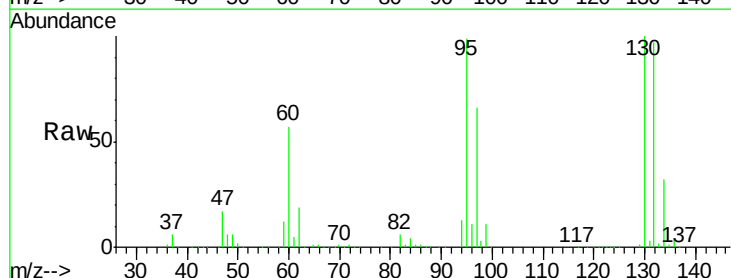
Ion Ratio Lower Upper

95 100

97 66.5 45.3 84.1

132 98.0 69.6 129.2

130 100.6 74.0 137.4

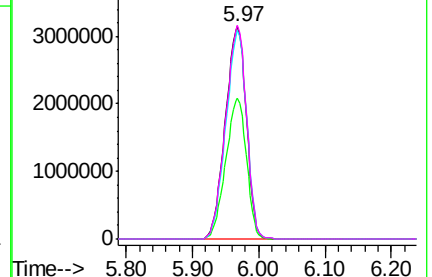
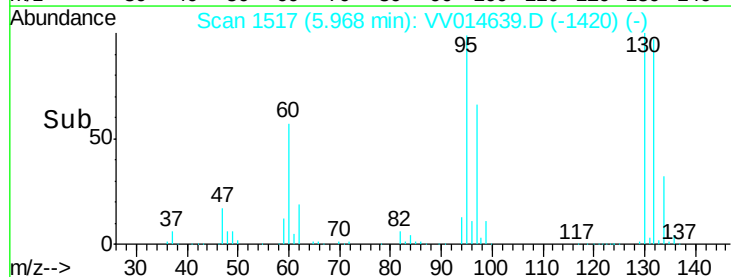


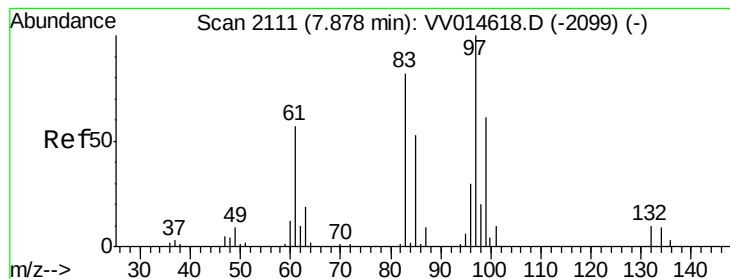
Abundance Ion 95.00 (94.70 to 95.70): VV014639.D (-1420) (-)

Ion 97.00 (96.70 to 97.70): VV014639.D (-1420) (-)

Ion 132.00 (131.70 to 132.70): VV014639.D (-1420) (-)

Ion 130.00 (129.70 to 130.70): VV014639.D (-1420) (-)





#45

1,1,2-Trichloroethane

Concen: 0.634 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Instrument :

MSVOA_V

ClientSampleId :

C0AQ3

Tot Ion: 97 Resp: 1054

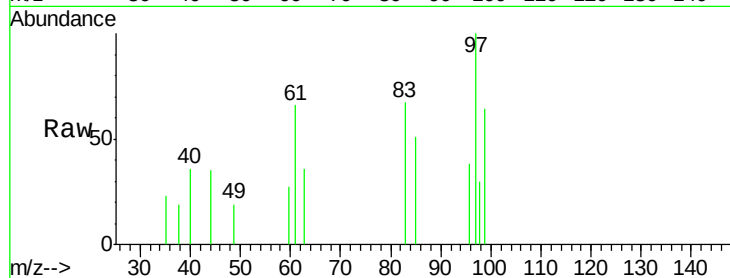
Ion Ratio Lower Upper

97 100

99 63.8 44.9 83.3

83 67.4 57.5 106.7

85 51.2 37.5 69.7

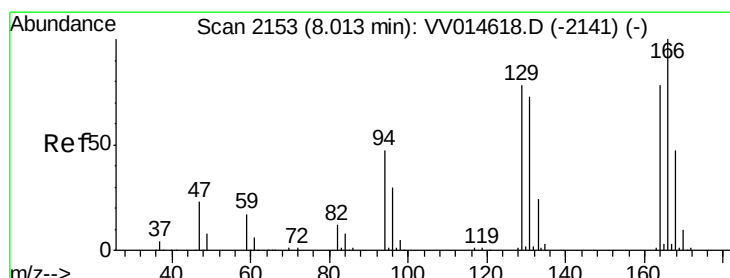
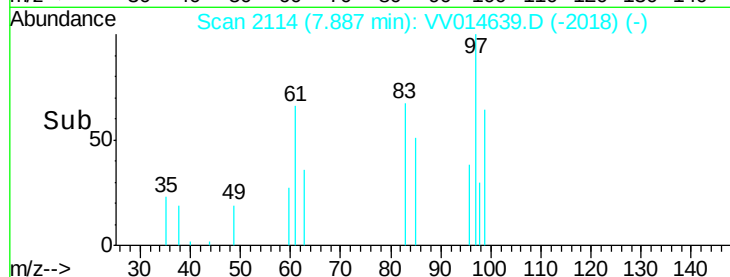
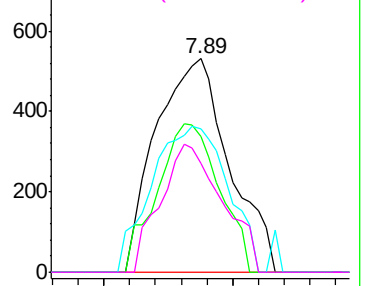


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 1.494 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV014639.D

Acq: 20 Feb 2020 21:18

Tgt Ion: 164 Resp: 2066

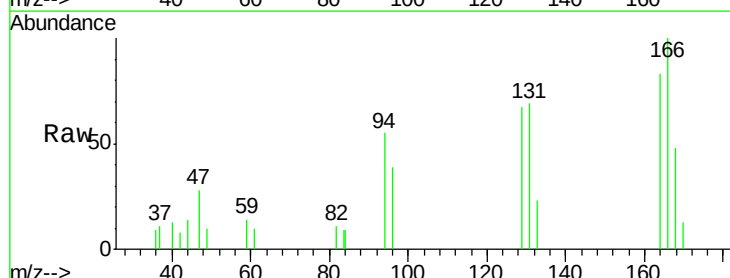
Ion Ratio Lower Upper

164 100

129 80.1 67.8 126.0

131 83.3 64.5 119.9

166 120.0 88.6 164.6



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

