

Data File : VV014641.D
Acq On : 20 Feb 2020 22:05
Operator : SY/MD
Sample : L1607-19
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AQ5

Quant Time: Feb 21 03:37:41 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	263395	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	244313	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	118684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58360	57.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.38%
7) Chloroethane-d5	1.59	69	39652	55.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.48%
11) 1,1-Dichloroethene-d2	2.13	63	72967	43.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.46%
21) 2-Butanone-d5	3.93	46	84929	101.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.25%
24) Chloroform-d	4.40	84	148595	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
26) 1,2-Dichloroethane-d4	5.08	65	98244	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
32) Benzene-d6	5.10	84	311110	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
36) 1,2-Dichloropropane-d6	6.12	67	96280	54.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.42%
41) Toluene-d8	7.35	98	292479	52.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.06%
43) trans-1,3-Dichloropropene-	7.66	79	49234	50.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.48%
47) 2-Hexanone-d5	8.13	63	71114	101.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.13%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	120641	50.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.02%
64) 1,2-Dichlorobenzene-d4	11.67	152	111990	53.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.82%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	2.14	101	10114	4.961	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10690	12.301	ug/L	96
12) 1,1-Dichloroethene	2.14	96	3366	4.167	ug/L #	1
13) Acetone	2.20	43	2408	3.346	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	4285	2.326	ug/L	82
25) Chloroform	4.42	83	11749	3.800	ug/L	92
30) 1,1,1-Trichloroethane	4.66	97	25590	9.628	ug/L	99
31) Carbon tetrachloride	4.88	117	2435	1.015	ug/L	88
34) Trichloroethene	5.98	95	12007602	6936.940	ug/L	97
35) Methylcyclohexane	6.12	83	25141	9.277	ug/L #	21
39) cis-1,3-Dichloropropene	7.03	75	3310	1.184	ug/L #	61
42) Toluene	7.43	91	4759	0.680	ug/L	91
45) 1,1,2-Trichloroethane	7.88	97	6998	4.277	ug/L	93
46) Tetrachloroethene	8.02	164	2641	1.940	ug/L	97
49) Dibromochloromethane	8.02	129	2698	1.384	ug/L #	11
59) 1,2,3-Trichloropropane	11.29	75	13166	6.459	ug/L #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022020\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Feb 21 03:31:59 2020
Response via : Initial Calibration

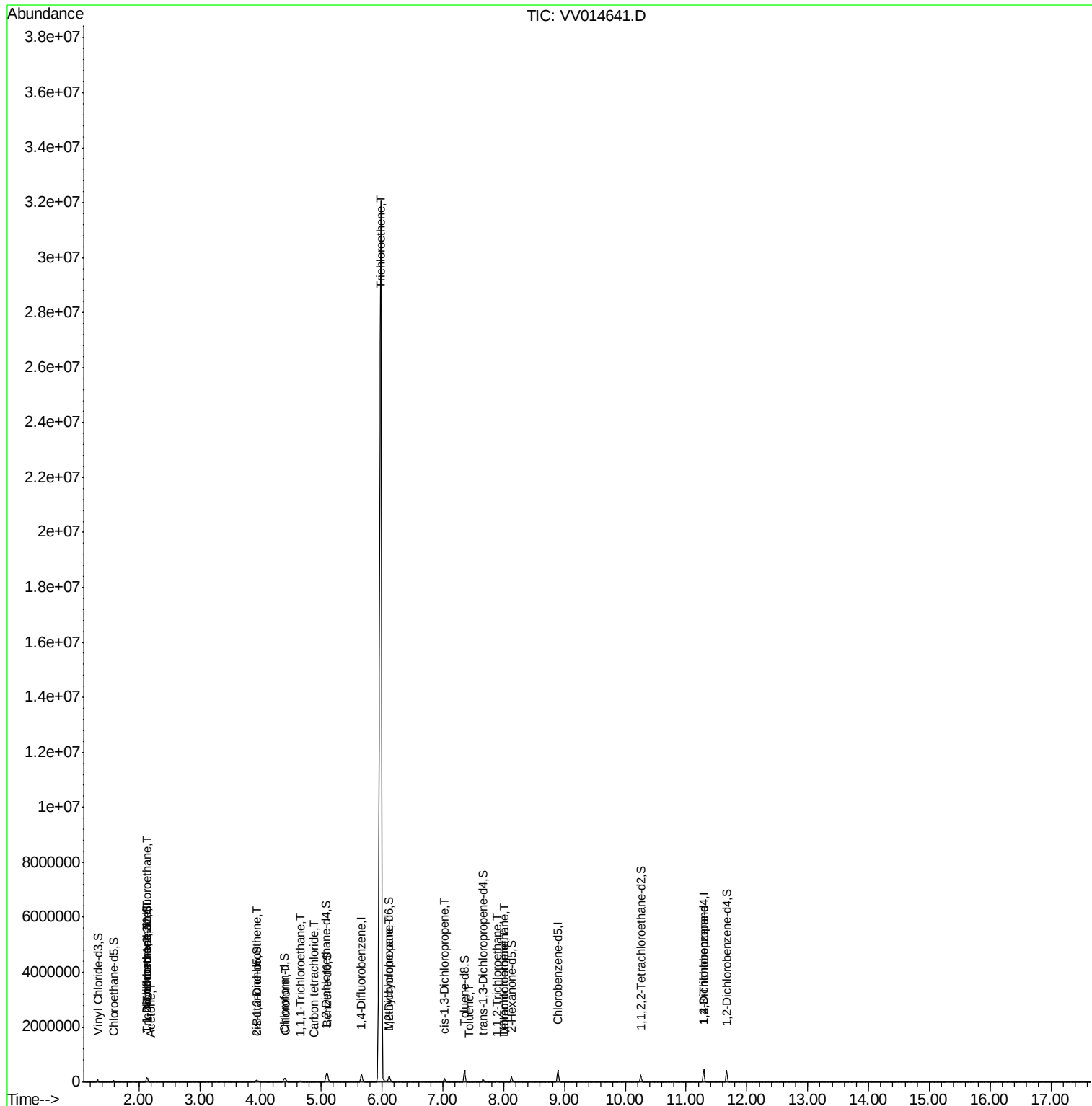
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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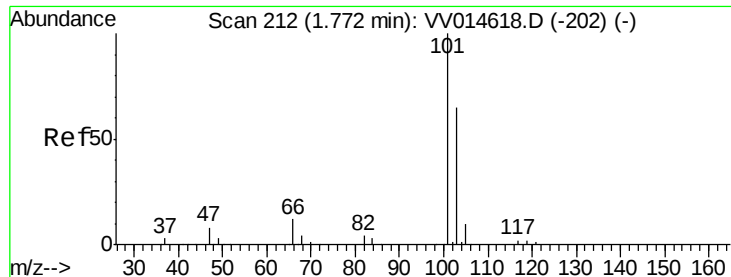
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 4.961 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.37 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampleId :

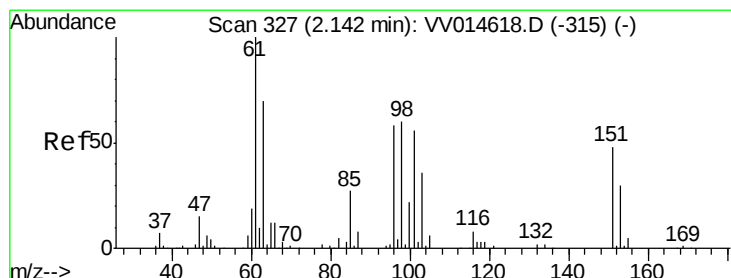
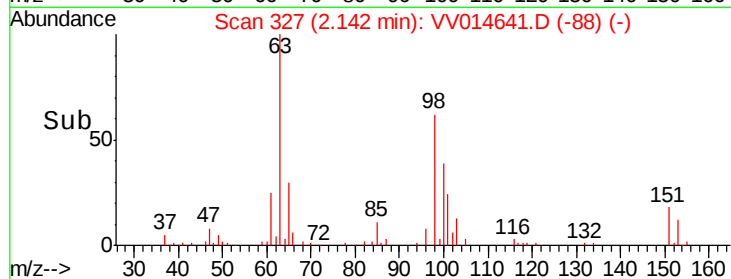
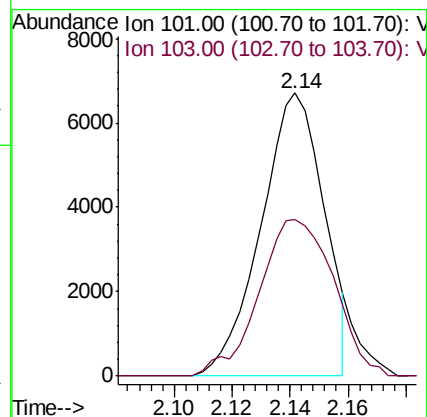
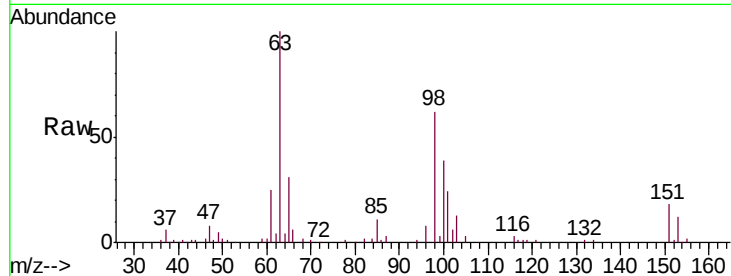
C0AQ5

Tgt Ion:101 Resp: 10114

Ion Ratio Lower Upper

101 100

103 50.0 52.2 78.2#



#10

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

Concen: 12.301 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

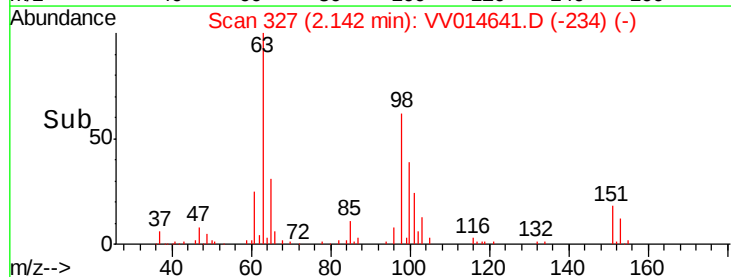
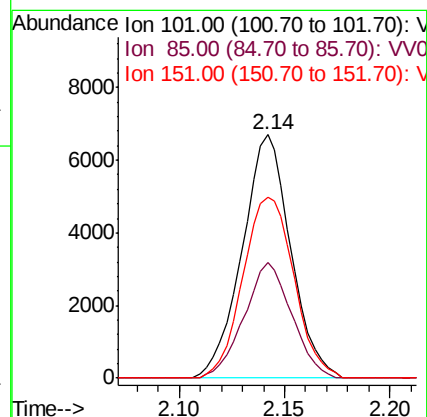
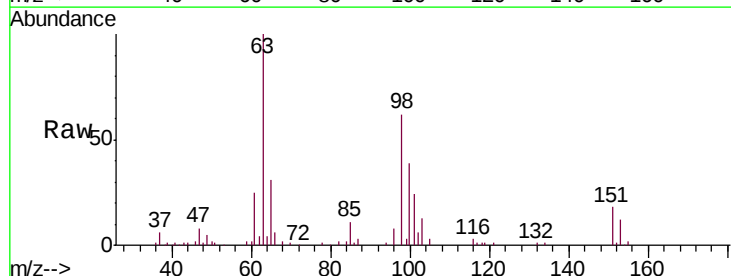
Tgt Ion:101 Resp: 10690

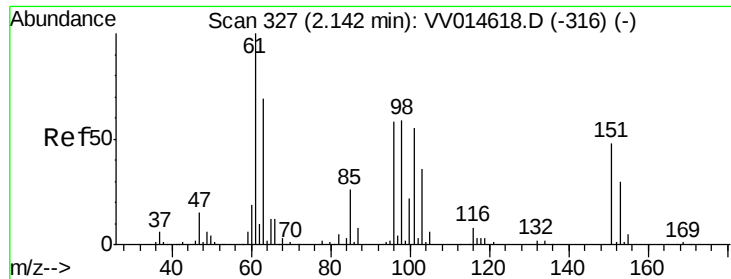
Ion Ratio Lower Upper

101 100

85 46.7 35.4 53.0

151 78.2 65.4 98.2

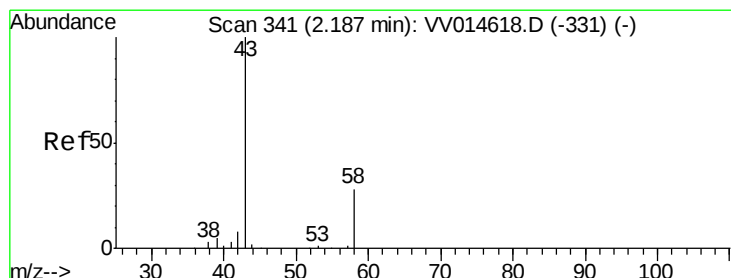
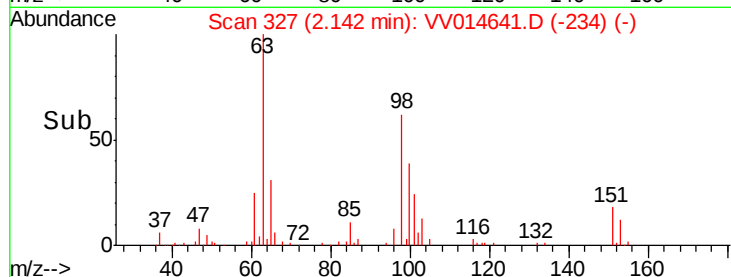
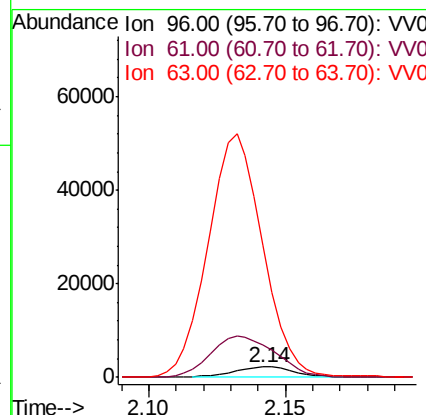
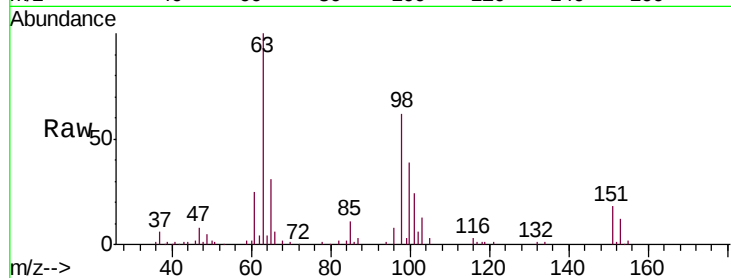




#12
 1,1-Dichloroethene
 Concen: 4.167 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV014641.D
 Acq: 20 Feb 2020 22:05

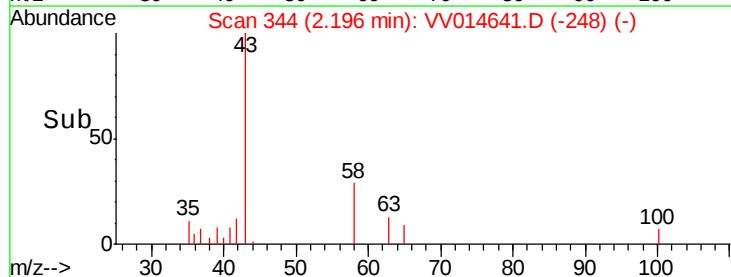
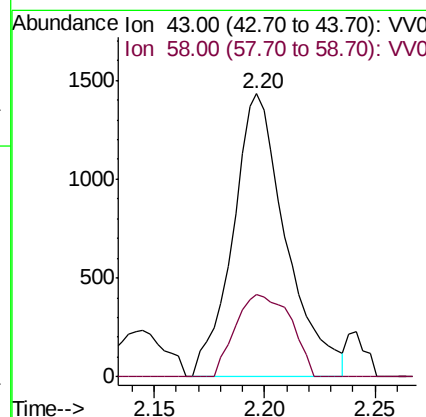
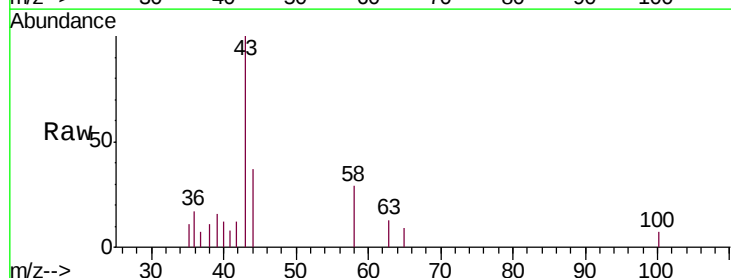
Instrument :
 MSVOA_V
 ClientSampled :
 C0AQ5

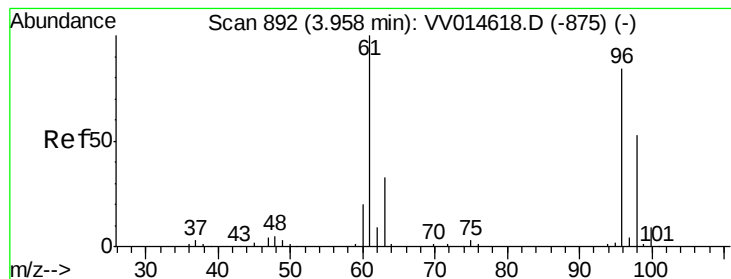
Tgt Ion: 96 Resp: 3366
 Ion Ratio Lower Upper
 96 100
 61 317.0 124.2 230.6#
 63 1284.7 89.2 165.8#



#13
 Acetone
 Concen: 3.346 ug/L
 RT: 2.20 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VV014641.D
 Acq: 20 Feb 2020 22:05

Tgt Ion: 43 Resp: 2408
 Ion Ratio Lower Upper
 43 100
 58 30.1 0.0 58.8





#20

cis-1,2-Dichloroethene

Concen: 2.326 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampled :

C0AQ5

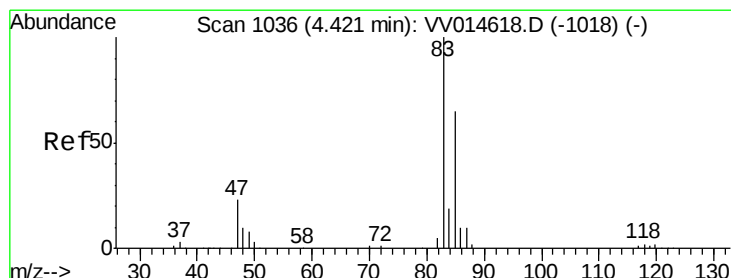
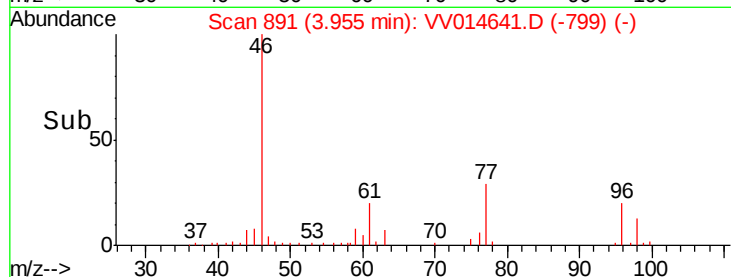
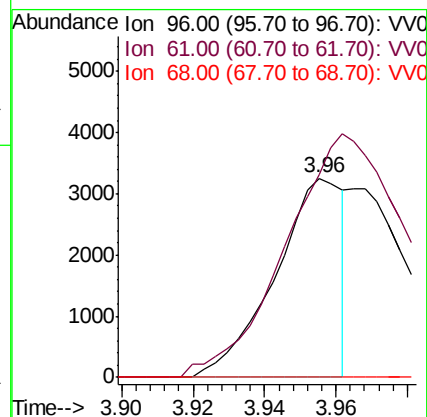
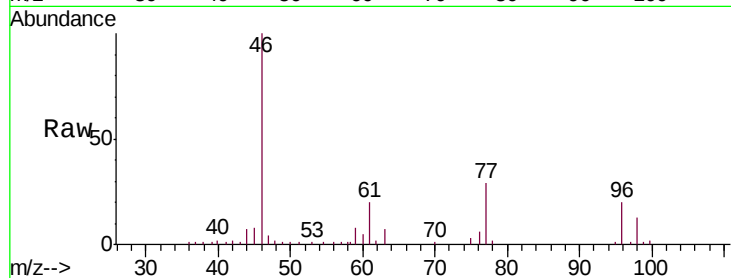
Tgt Ion: 96 Resp: 4285

Ion Ratio Lower Upper

96 100

61 102.0 85.9 159.5

68 0.0 0.0 0.0



#25

Chloroform

Concen: 3.800 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014641.D

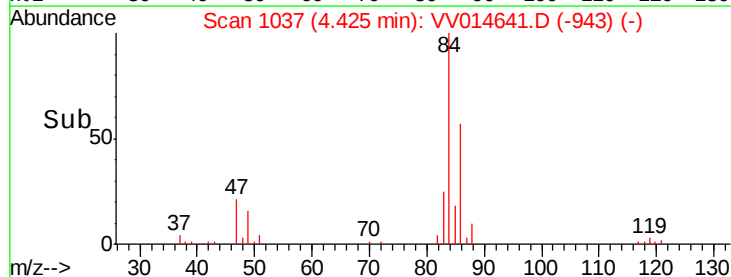
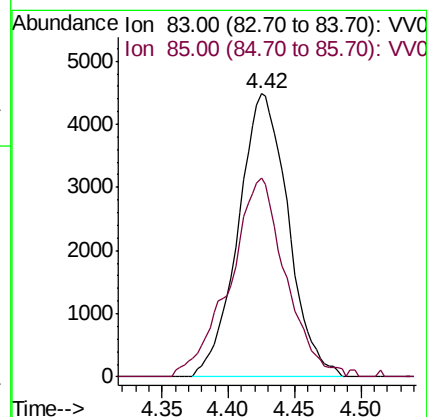
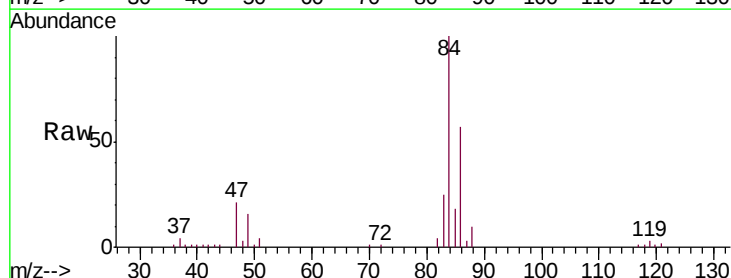
Acq: 20 Feb 2020 22:05

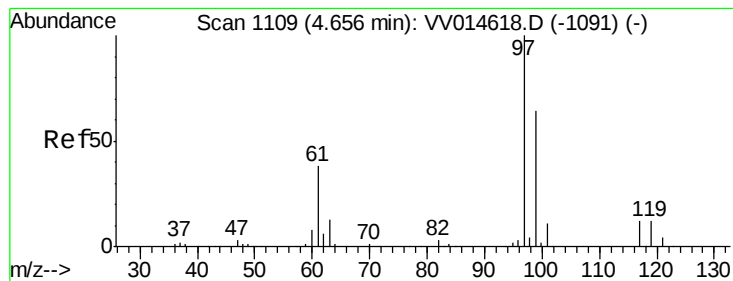
Tgt Ion: 83 Resp: 11749

Ion Ratio Lower Upper

83 100

85 70.3 45.0 83.6





#30

1,1,1-Trichloroethane

Concen: 9.628 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampleId :

C0AQ5

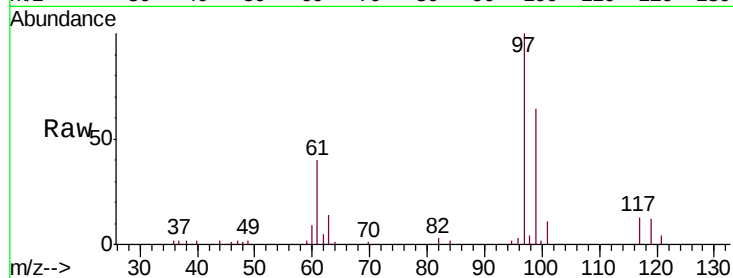
Tgt Ion: 97 Resp: 25590

Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

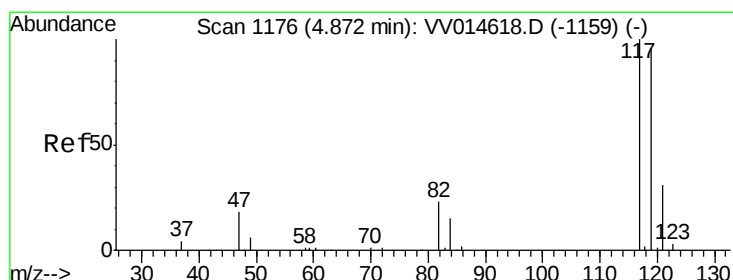
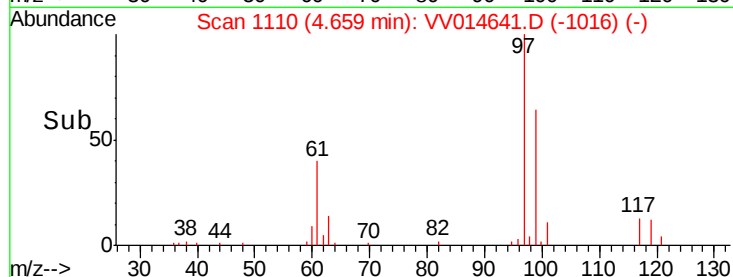
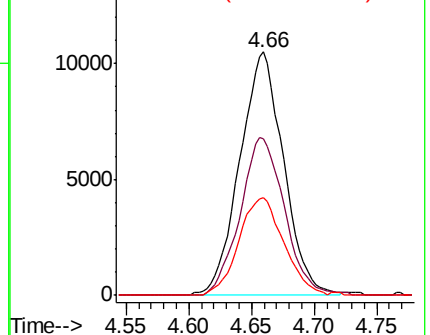
61 41.1 32.4 48.6



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



#31

Carbon tetrachloride

Concen: 1.015 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV014641.D

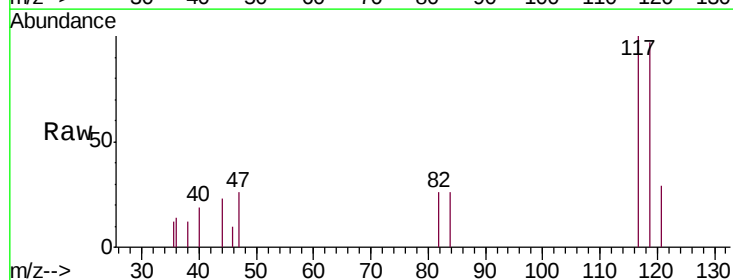
Acq: 20 Feb 2020 22:05

Tgt Ion: 117 Resp: 2435

Ion Ratio Lower Upper

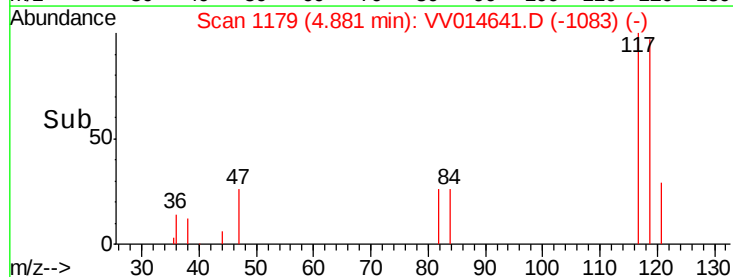
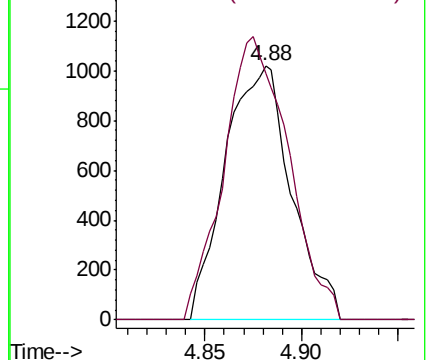
117 100

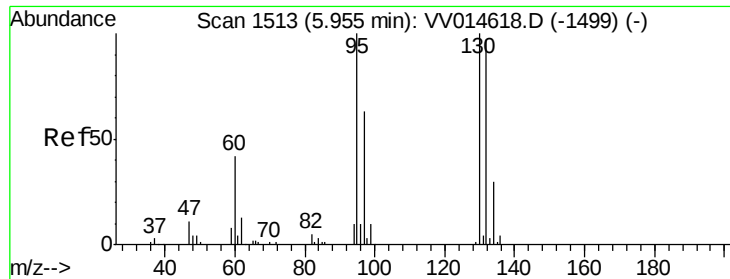
119 108.5 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 6936.940 ug/L

RT: 5.98 min Scan# 1520

Delta R.T. 0.02 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampleId :

C0AQ5

Tgt Ion: 95 Resp:12007602

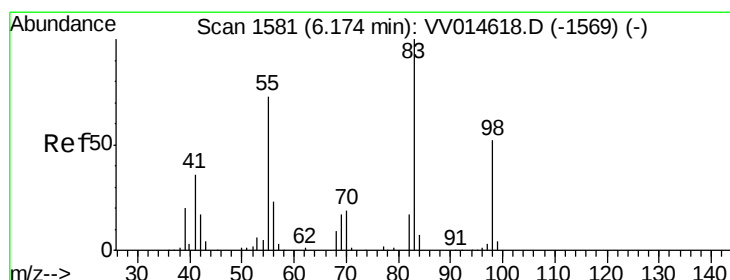
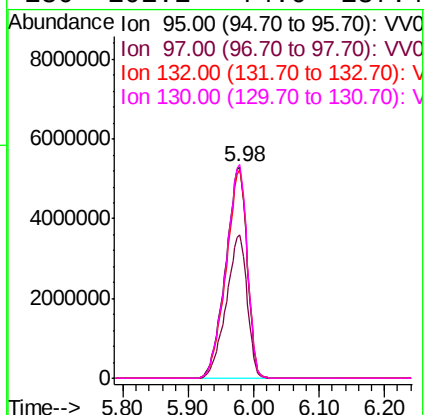
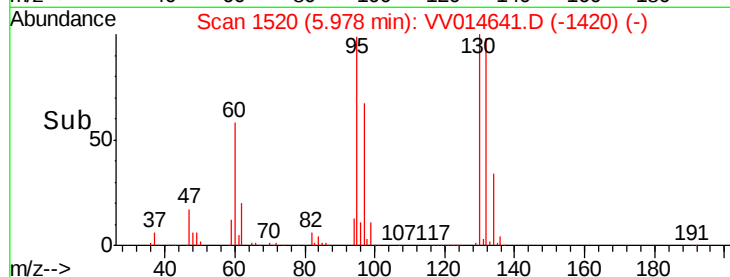
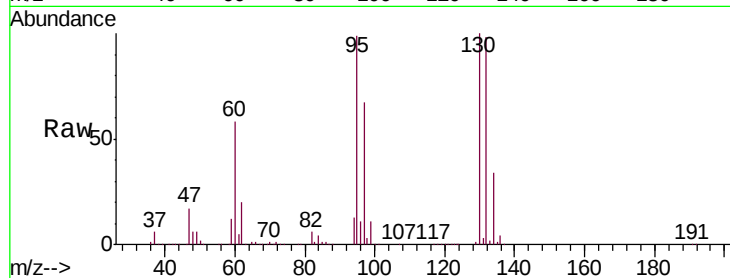
Ion Ratio Lower Upper

95 100

97 68.1 45.3 84.1

132 98.6 69.6 129.2

130 101.1 74.0 137.4



#35

Methylcyclohexane

Concen: 9.277 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

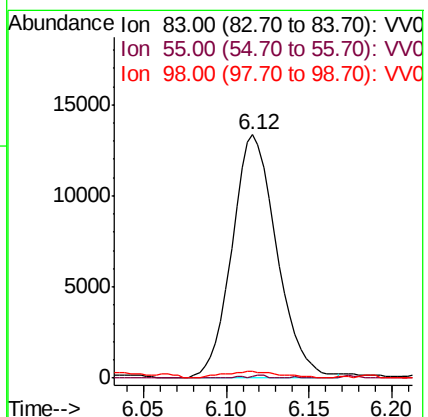
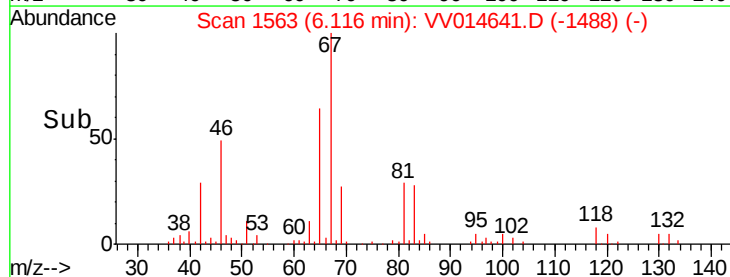
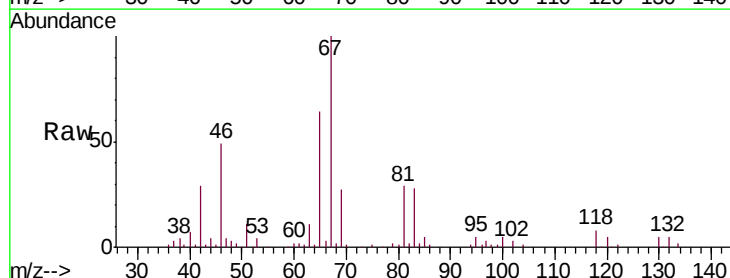
Tgt Ion: 83 Resp: 25141

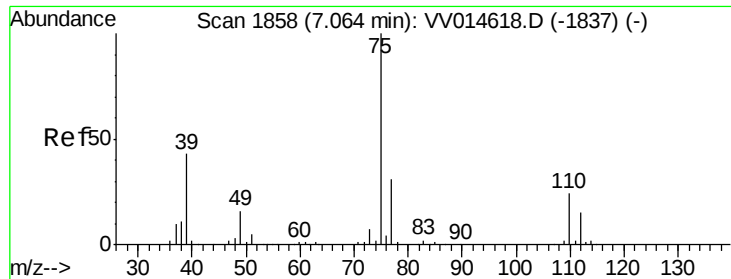
Ion Ratio Lower Upper

83 100

55 0.3 57.8 86.6#

98 3.4 39.7 59.5#



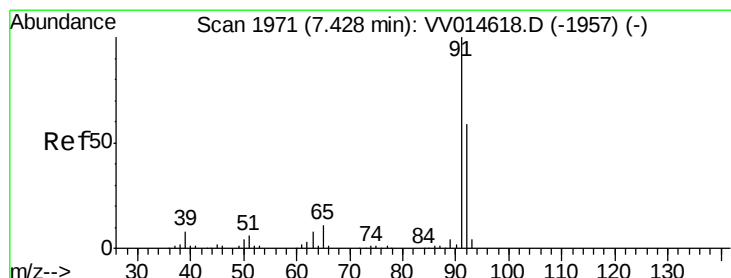
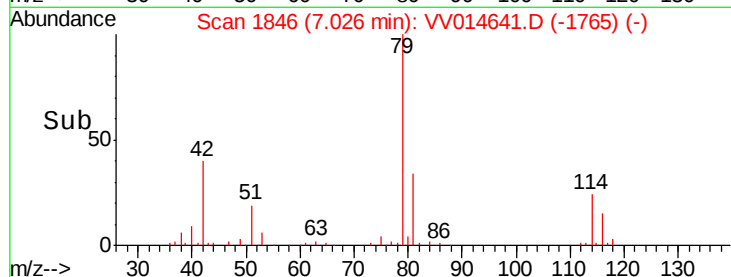
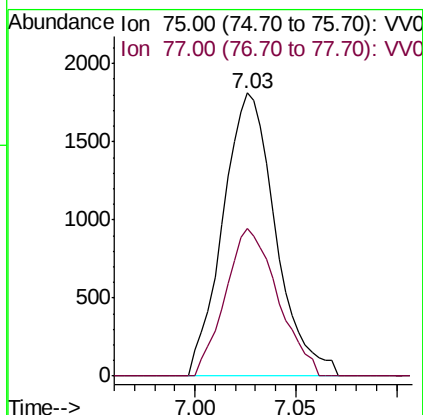
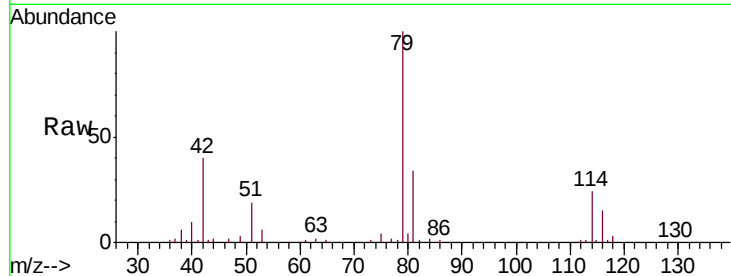


#39

cis-1,3-Dichloropropene
 Concen: 1.184 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV014641.D
 Acq: 20 Feb 2020 22:05

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ5

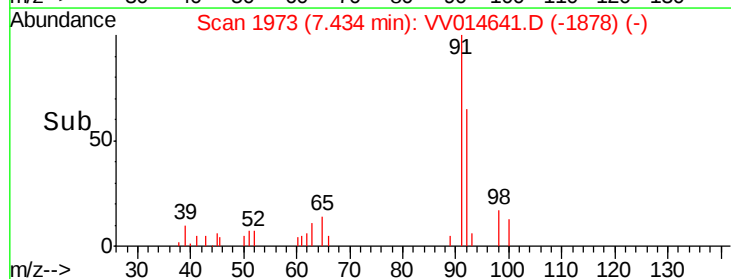
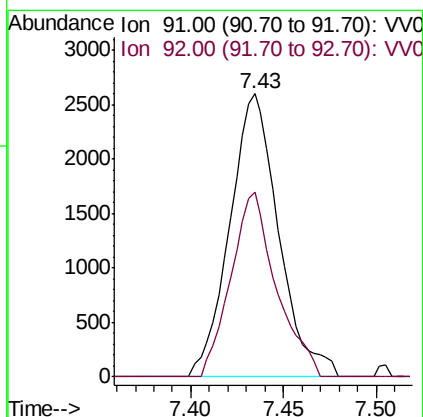
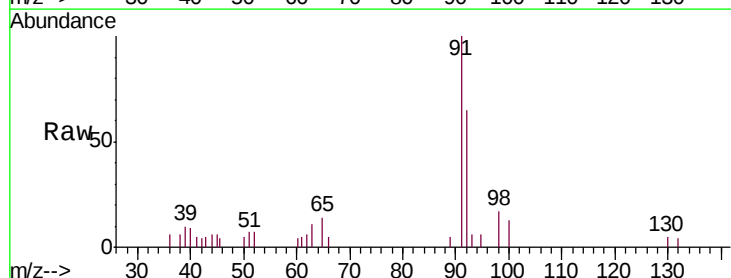
Tgt Ion: 75 Resp: 3310
 Ion Ratio Lower Upper
 75 100
 77 52.3 21.7 40.3#

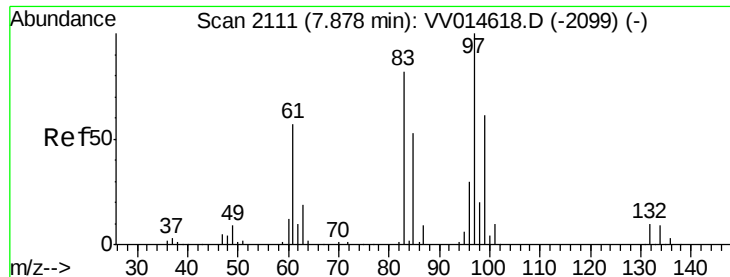


#42

Toluene
 Concen: 0.680 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV014641.D
 Acq: 20 Feb 2020 22:05

Tgt Ion: 91 Resp: 4759
 Ion Ratio Lower Upper
 91 100
 92 65.3 40.9 76.0





#45

1,1,2-Trichloroethane

Concen: 4.277 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampleId :

C0AQ5

Tgt Ion: 97 Resp: 6998

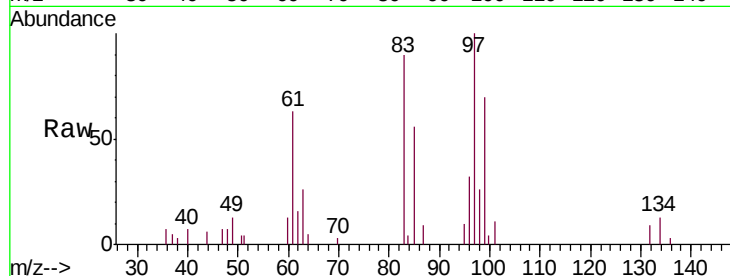
Ion Ratio Lower Upper

97 100

99 69.8 44.9 83.3

83 90.0 57.5 106.7

85 55.8 37.5 69.7



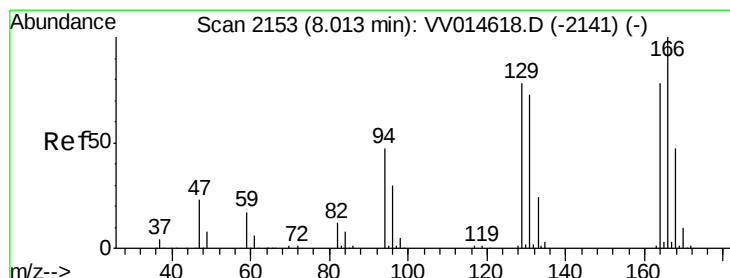
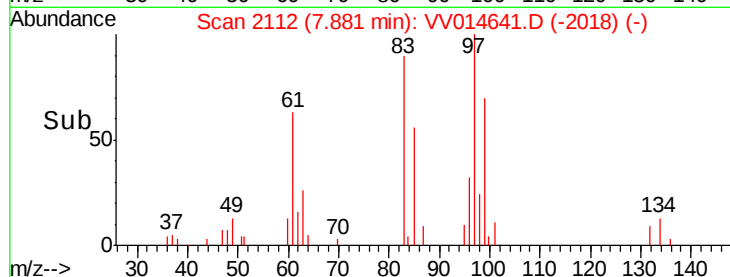
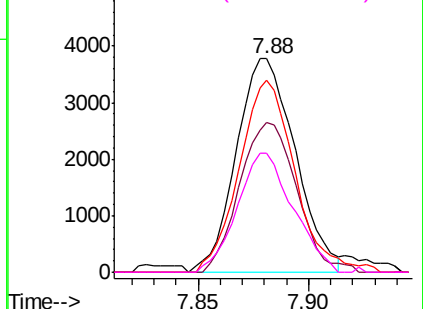
Abundance

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: 1.940 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Tgt Ion: 164 Resp: 2641

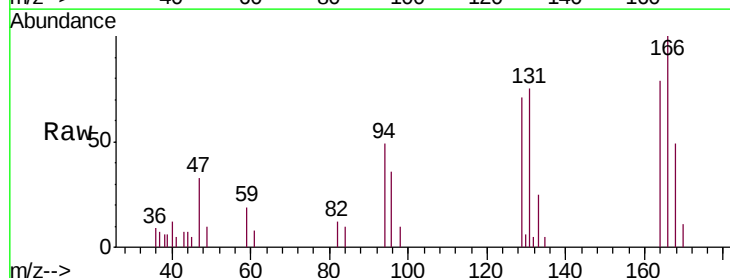
Ion Ratio Lower Upper

164 100

129 90.6 67.8 126.0

131 95.0 64.5 119.9

166 126.8 88.6 164.6



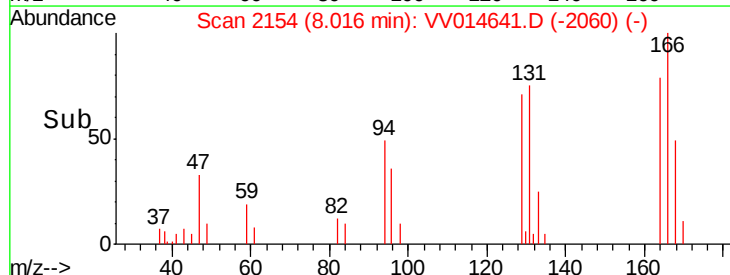
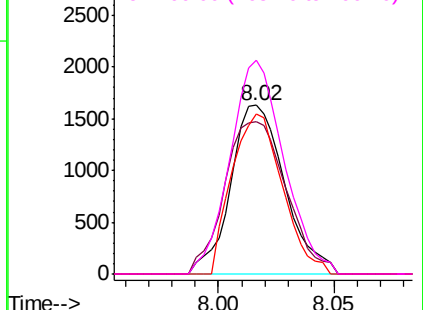
Abundance

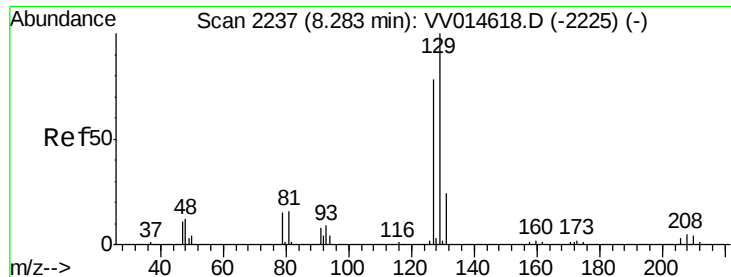
Ion 164.00 (163.70 to 164.70): V

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





#49

Dibromochloromethane

Concen: 1.384 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Instrument :

MSVOA_V

ClientSampleId :

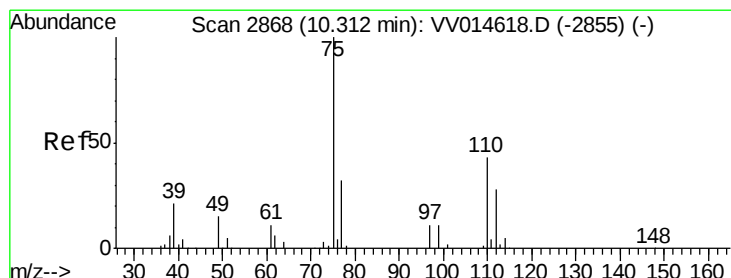
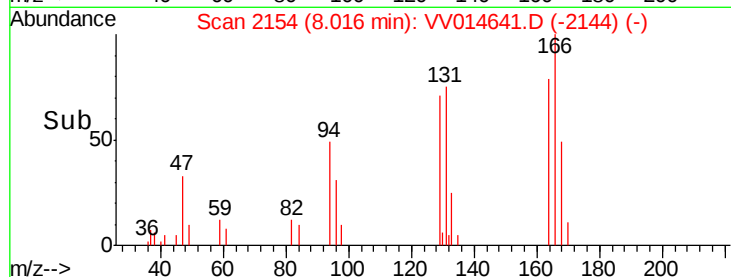
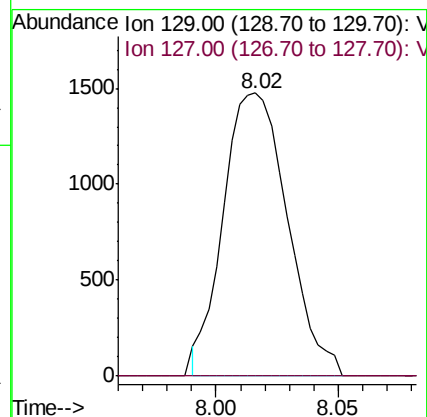
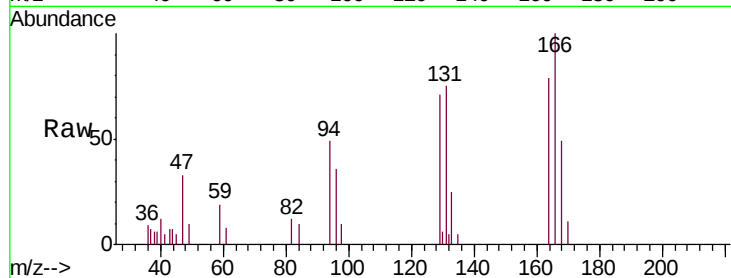
C0AQ5

Tgt Ion:129 Resp: 2698

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.8#



#59

1,2,3-Trichloropropane

Concen: 6.459 ug/L

RT: 11.29 min Scan# 3171

Delta R.T. 0.97 min

Lab File: VV014641.D

Acq: 20 Feb 2020 22:05

Tgt Ion: 75 Resp: 13166

Ion Ratio Lower Upper

75 100

77 39.8 25.9 38.9#

