

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
 Data File : VV014864.D
 Acq On : 12 Mar 2020 13:40
 Operator : SY/MD
 Sample : L1858-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 13 03:32:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 03:30:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377600	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	367264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128409	50.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.50%
7) Chloroethane-d5	1.58	69	100983	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.98%
11) 1,1-Dichloroethene-d2	2.12	63	162261	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	3.93	46	151641	79.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.57%
24) Chloroform-d	4.38	84	261714	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
26) 1,2-Dichloroethane-d4	5.06	65	175679	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.90%
32) Benzene-d6	5.08	84	541869	55.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.76%
36) 1,2-Dichloropropane-d6	6.10	67	164756	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.52%
41) Toluene-d8	7.34	98	515949	54.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.64%
43) trans-1,3-Dichloropropene-	7.64	79	79835	50.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.74%
47) 2-Hexanone-d5	8.12	63	157381	110.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.28%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	230923	52.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	216282	60.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.66%#

Target Compounds

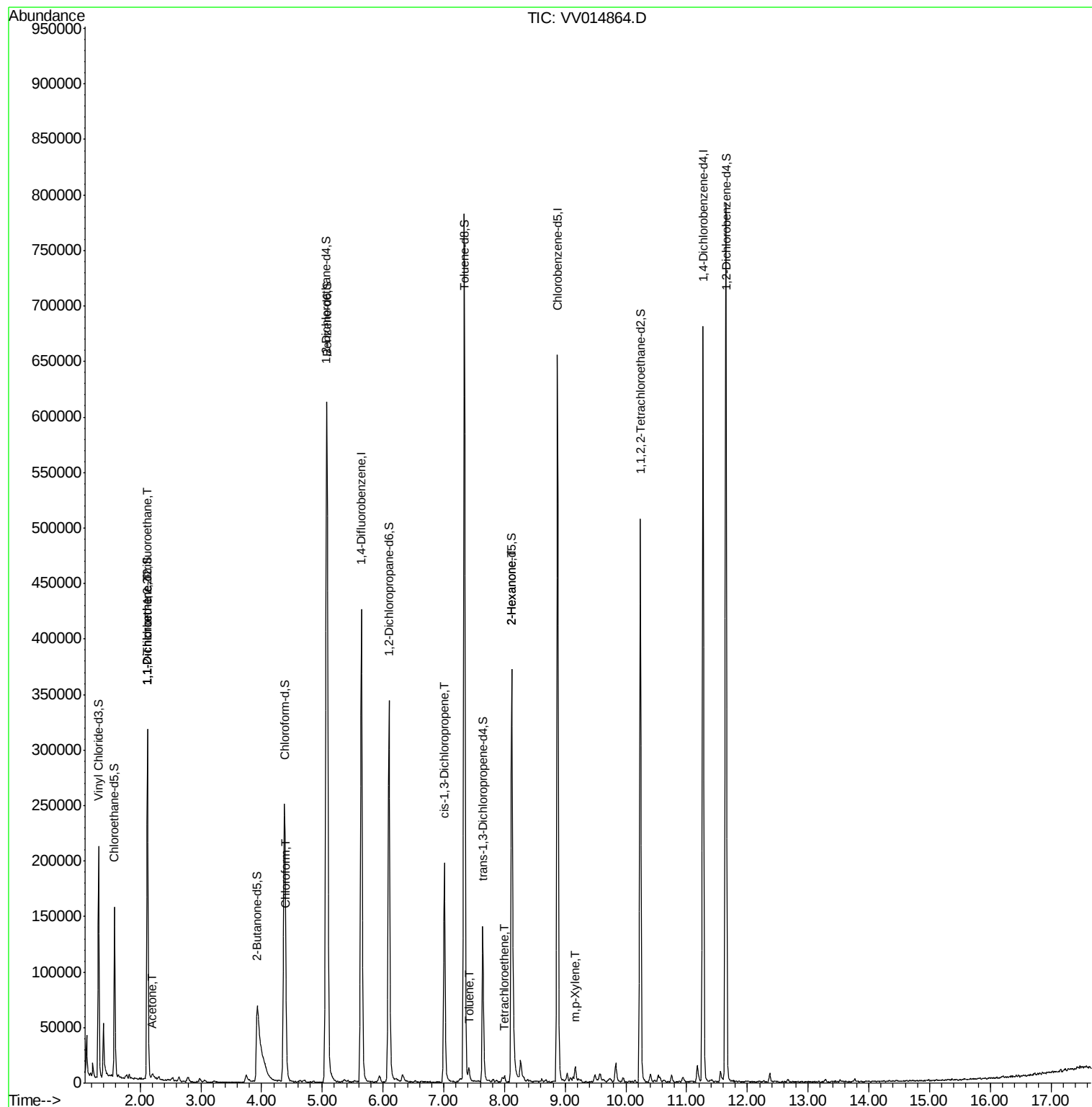
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1965	0.937	ug/L #	37
12) 1,1-Dichloroethene	2.12	96	1985	0.968	ug/L #	1
13) Acetone	2.20	43	7427	4.668	ug/L	79
25) Chloroform	4.41	83	6683	1.303	ug/L	89
39) cis-1,3-Dichloropropene	7.01	75	4622	1.026	ug/L #	73
42) Toluene	7.41	91	8079	0.688	ug/L	90
46) Tetrachloroethene	8.00	164	1242	0.546	ug/L	87
48) 2-Hexanone	8.12	43	18192	5.551	ug/L #	75
53) m,p-Xylene	9.16	106	3527	0.711	ug/L	75

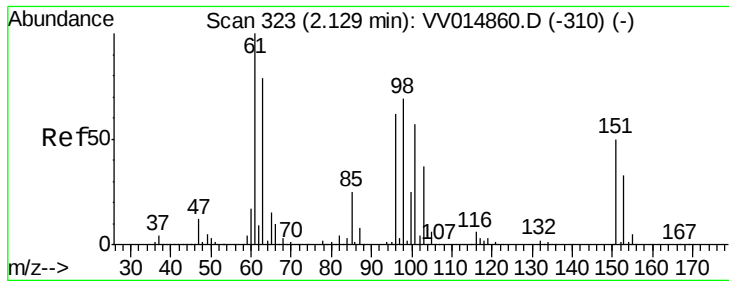
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.937 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV014864.D

Acq: 12 Mar 2020 13:40

Instrument :

MSVOA_V

ClientSampleId :

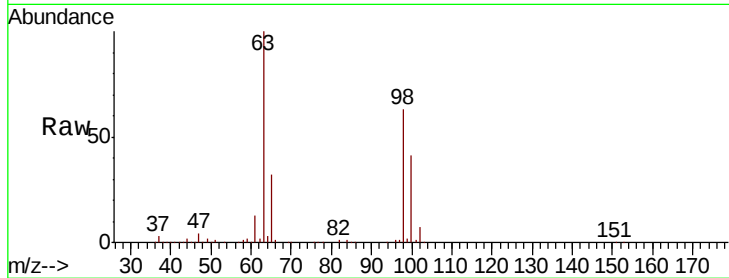
Tot Ion:101 Resp: 1965

Ion Ratio Lower Upper

101 100

85 5.3 35.0 52.6#

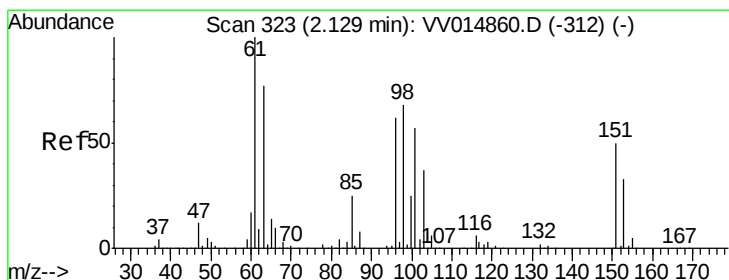
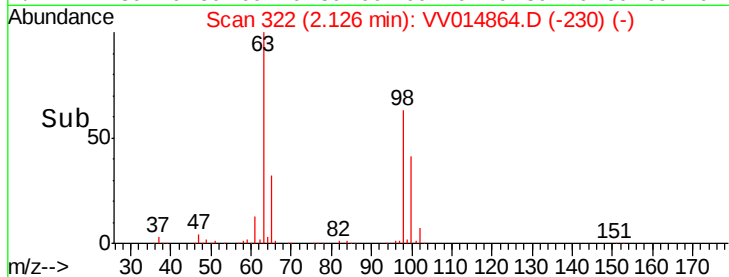
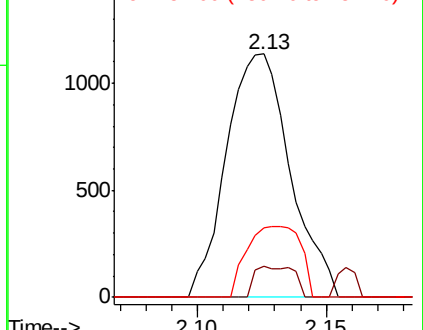
151 24.4 66.4 99.6#



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: 0.968 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014864.D

Acq: 12 Mar 2020 13:40

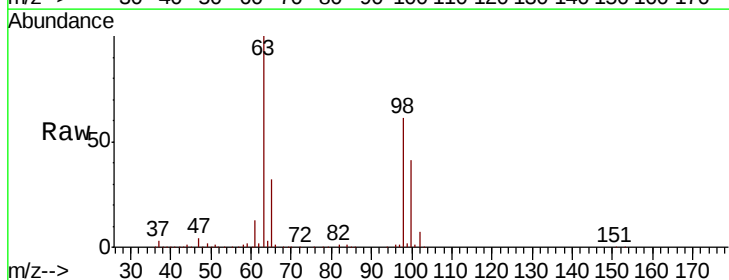
Tgt Ion: 96 Resp: 1985

Ion Ratio Lower Upper

96 100

61 1087.7 118.4 220.0#

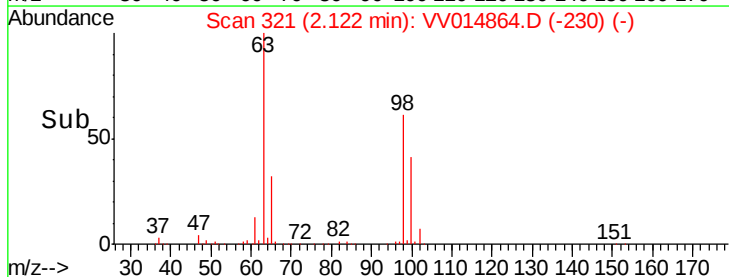
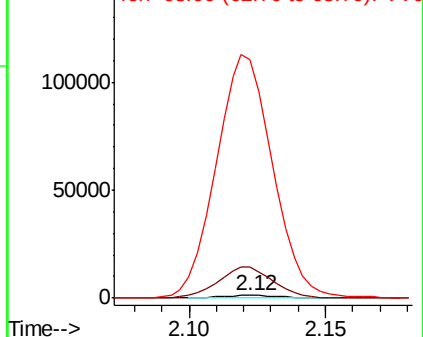
63 8431.1 88.4 164.2#

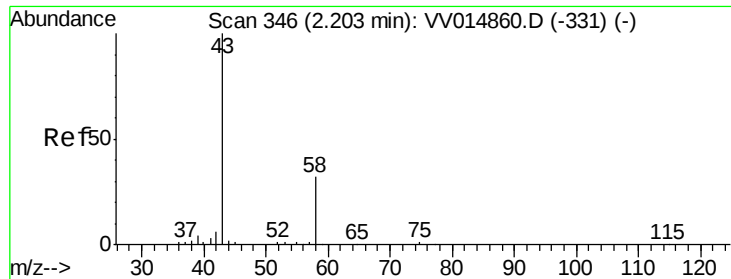


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.668 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV014864.D

Acq: 12 Mar 2020 13:40

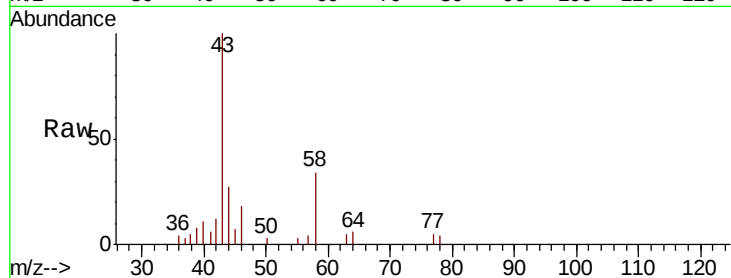
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7427

Ion Ratio Lower Upper

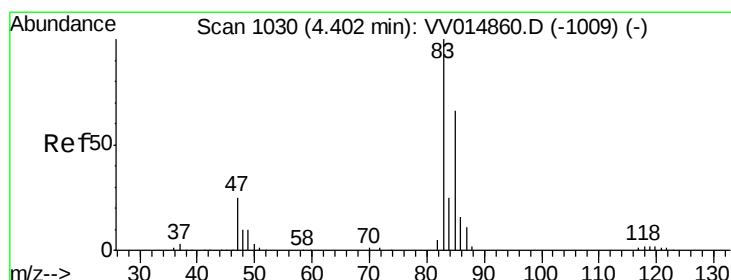
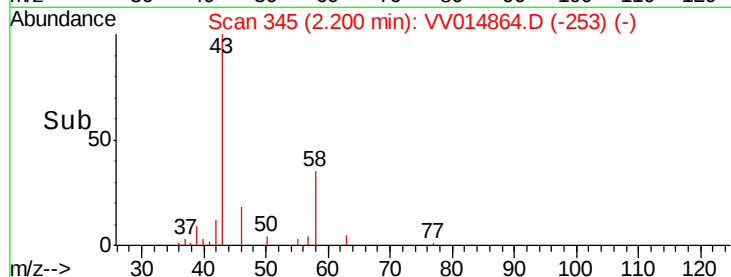
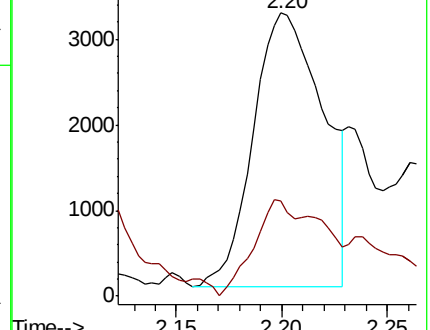
43 100

58 19.6 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014860.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV014860.D (-331) (-)



#25

Chloroform

Concen: 1.303 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV014864.D

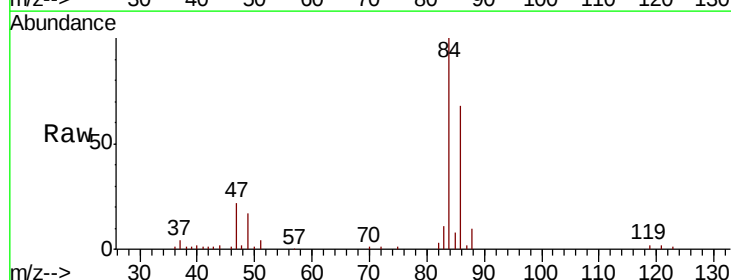
Acq: 12 Mar 2020 13:40

Tgt Ion: 83 Resp: 6683

Ion Ratio Lower Upper

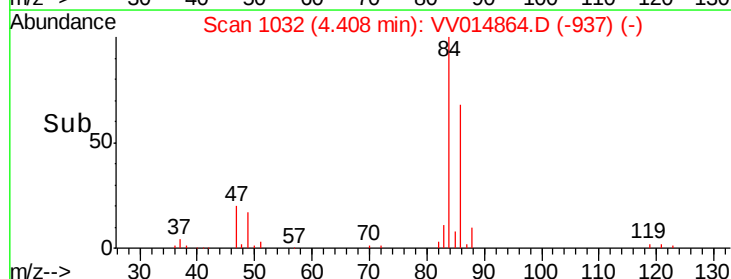
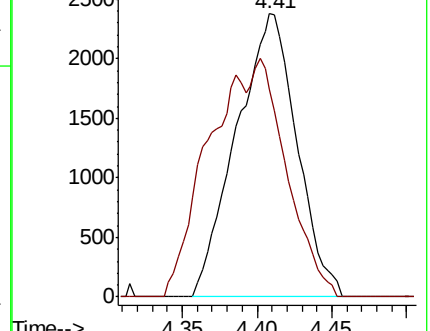
83 100

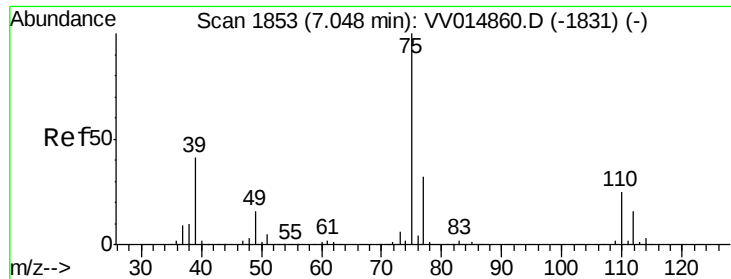
85 73.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV014860.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV014860.D (-1009) (-)

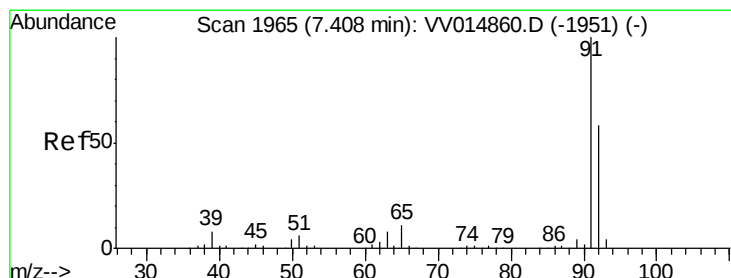
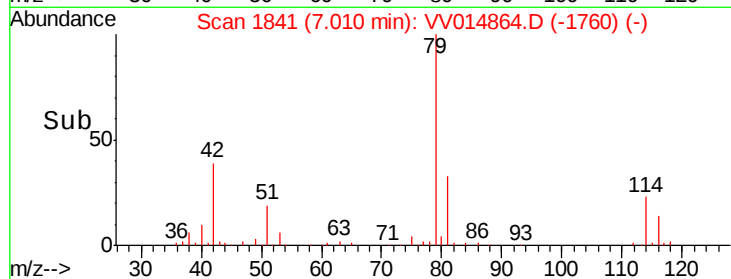
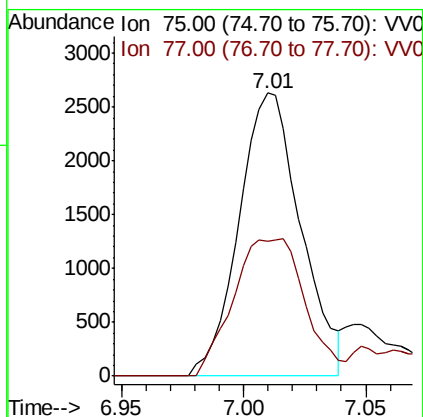
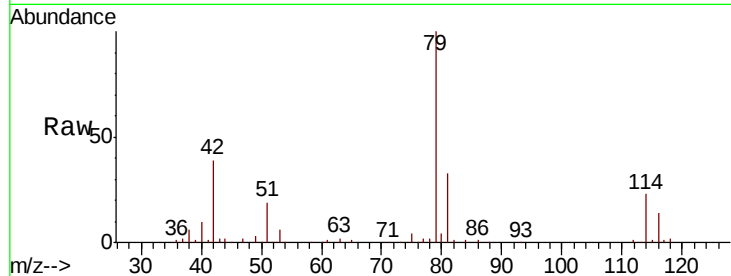




#39
 cis-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV014864.D
 Acq: 12 Mar 2020 13:40

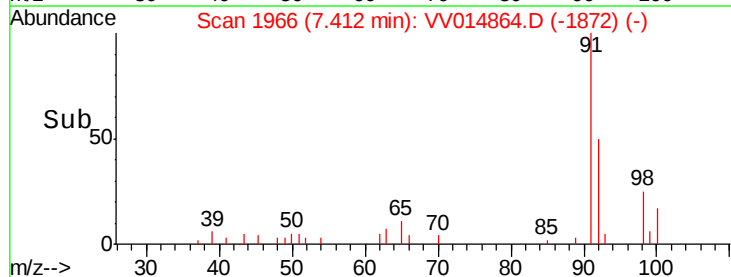
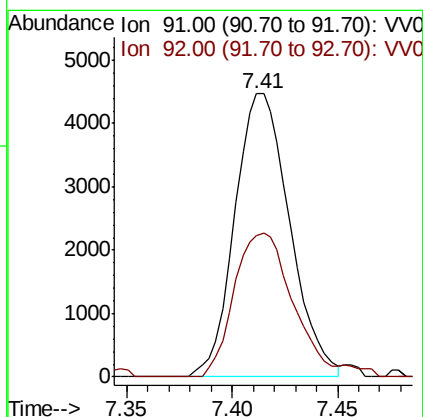
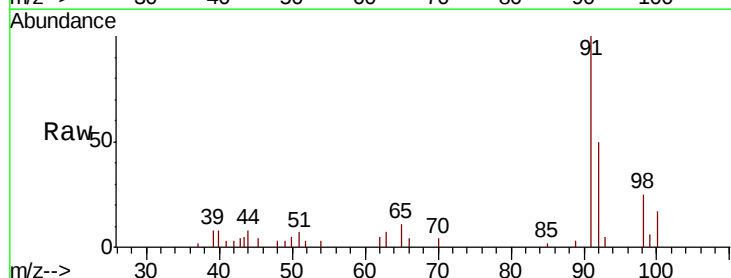
Instrument :
 MSVOA_V
 ClientSampleId :

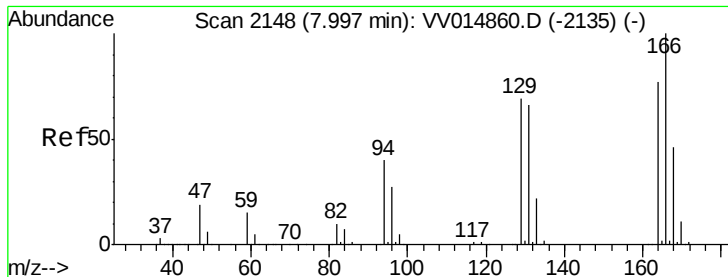
Tot Ion: 75 Resp: 4622
 Ion Ratio Lower Upper
 75 100
 77 47.7 22.8 42.4#



#42
 Toluene
 Concen: 0.688 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV014864.D
 Acq: 12 Mar 2020 13:40

Tgt Ion: 91 Resp: 8079
 Ion Ratio Lower Upper
 91 100
 92 50.0 40.1 74.5





#46

Tetrachloroethene

Concen: 0.546 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV014864.D

Acq: 12 Mar 2020 13:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 1242

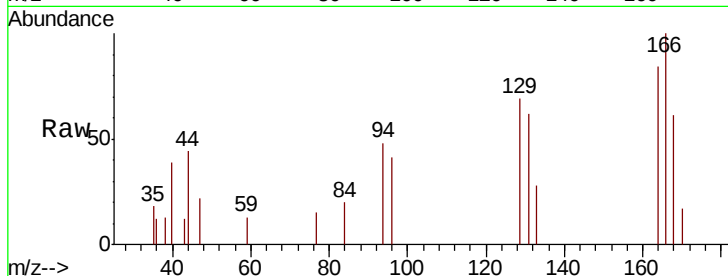
Ion Ratio Lower Upper

164 100

129 82.3 66.0 122.6

131 73.8 63.9 118.7

166 118.4 89.7 166.7

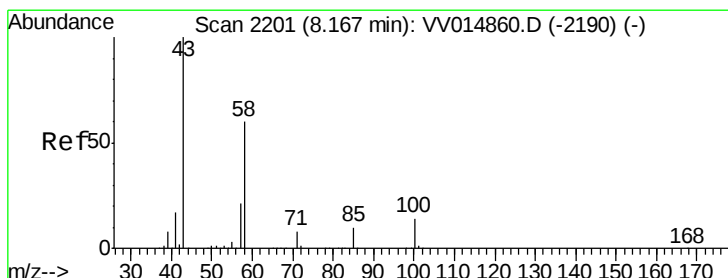
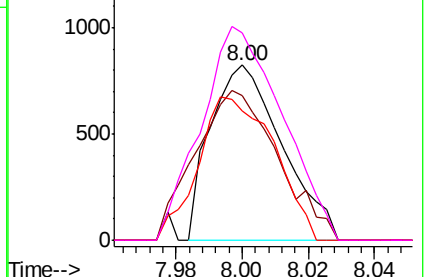
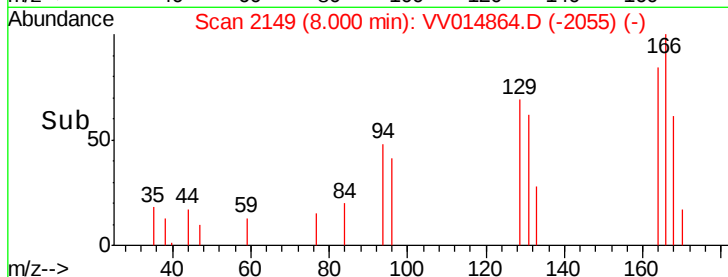


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.551 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV014864.D

Acq: 12 Mar 2020 13:40

Tgt Ion: 43 Resp: 18192

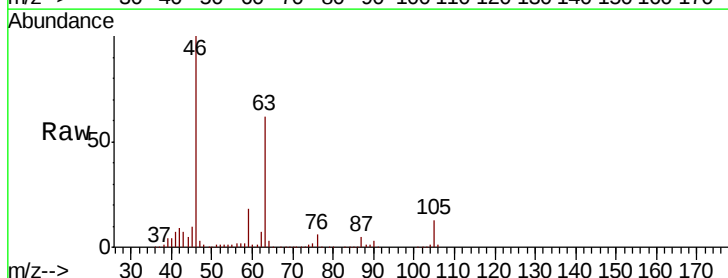
Ion Ratio Lower Upper

43 100

58 32.8 43.3 64.9#

57 23.6 15.6 23.4#

100 0.3 8.7 13.1#

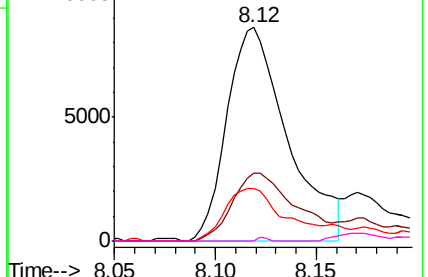
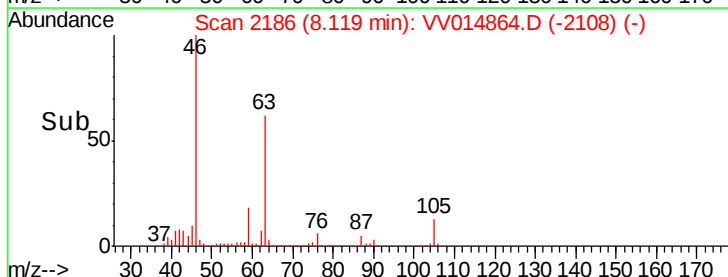


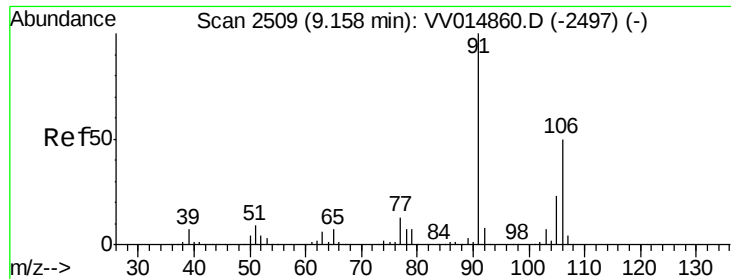
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#53
 m,p-Xylene
 Concen: 0.711 ug/L
 RT: 9.16 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: VV014864.D
 Acq: 12 Mar 2020 13:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 3527
 Ion Ratio Lower Upper
 106 100
 91 168.9 145.1 269.5

