

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017056.D
 Acq On : 03 Nov 2020 13:59
 Operator : SY/VA
 Sample : L4615-12
 Misc : 5.70G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG484

Quant Time: Nov 04 04:11:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	557902	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	479892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219361	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136183	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.60%
7) Chloroethane-d5	2.90	69	115668	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
10) 1,1-Dichloroethene-d2	4.02	63	203810	16.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.08%
20) 2-Butanone-d5	7.08	46	44200	36.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.88%
24) Chloroform-d	7.65	84	281653	21.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	8.31	65	127262	21.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.04%
29) Benzene-d6	8.28	84	588184	23.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.44%
33) 1,2-Dichloropropane-d6	9.28	67	158190	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.08%
37) Toluene-d8	10.33	98	558609	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
38) trans-1,3-Dichloropropene-	10.58	79	55207	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.20%
39) 2-Hexanone-d5	10.93	63	36784	39.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100196	19.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	183899	23.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.40%

Target Compounds

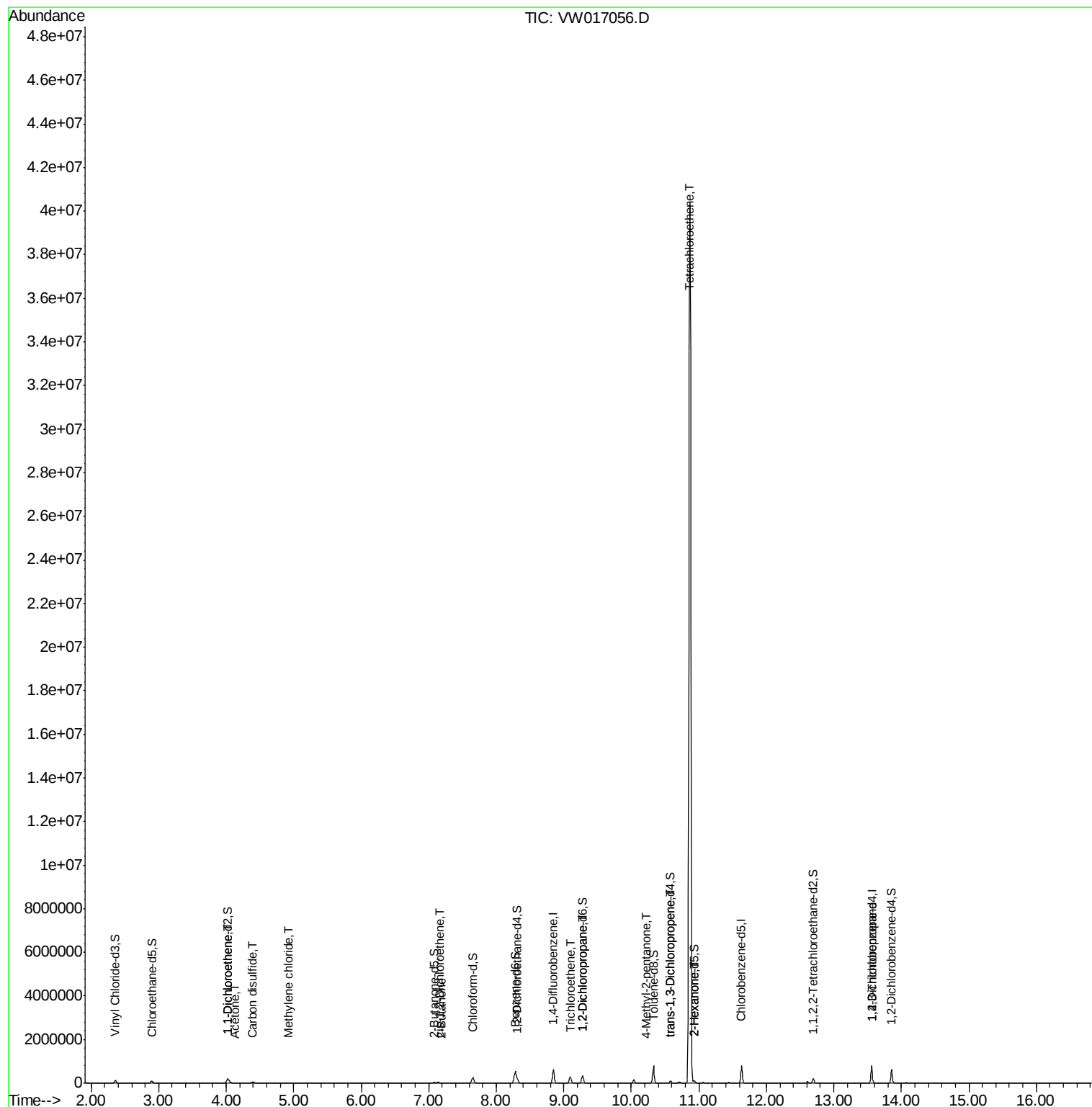
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	2034	0.279	ug/L #	1
13) Acetone	4.12	43	10829	13.268	ug/L	98
14) Carbon disulfide	4.39	76	95723	4.323	ug/L	98
16) Methylene chloride	4.92	84	17213	2.334	ug/L	89
21) 2-Butanone	7.19	43	3148	2.305	ug/L	86
22) cis-1,2-Dichloroethene	7.16	96	1573	0.204	ug/L	91
35) Trichloroethene	9.10	95	100556	13.695	ug/L	99
40) 1,2-Dichloropropane	9.28	63	17227	2.910	ug/L #	85
43) 4-Methyl-2-pentanone	10.21	43	2174	0.775	ug/L #	83
45) trans-1,3-Dichloropropene	10.58	75	2377	0.310	ug/L #	78
47) Tetrachloroethene	10.87	164	10850289	1606.513	ug/L	91
49) 2-Hexanone	10.93	43	4083	2.283	ug/L #	64
59) 1,2,3-Trichloropropane	13.56	75	23915	6.570	ug/L	93

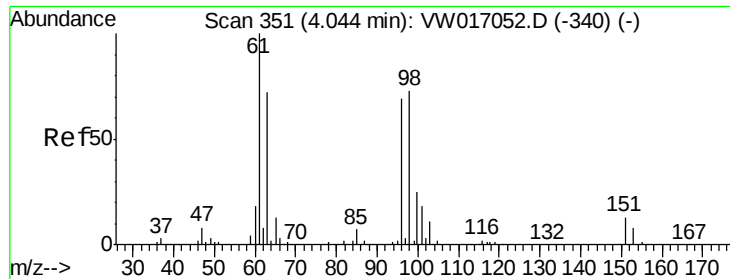
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.279 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

BG484

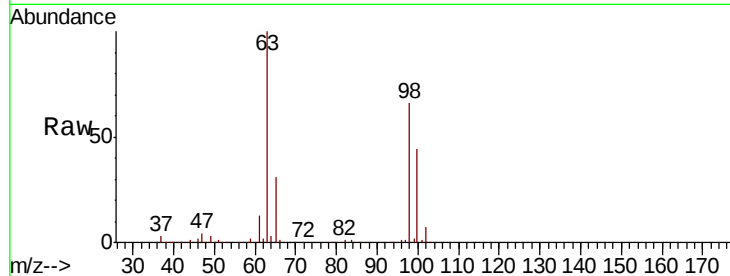
Tot Ion: 96 Resp: 2034

Ion Ratio Lower Upper

96 100

61 1116.0 101.4 188.4#

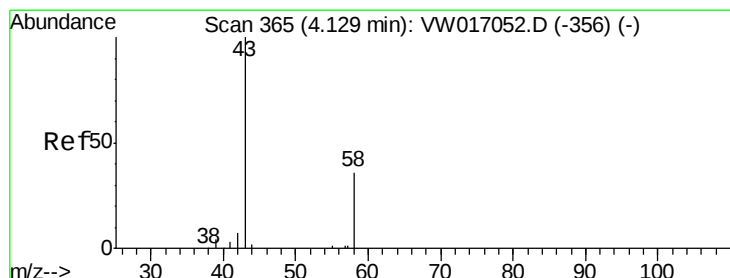
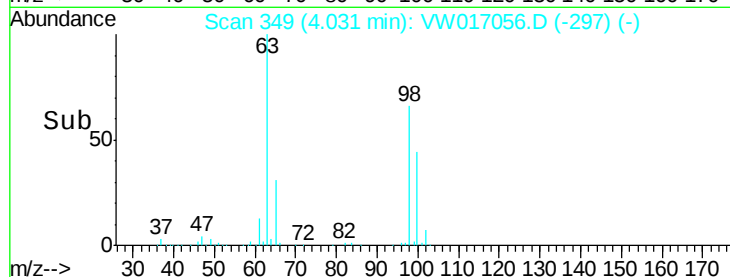
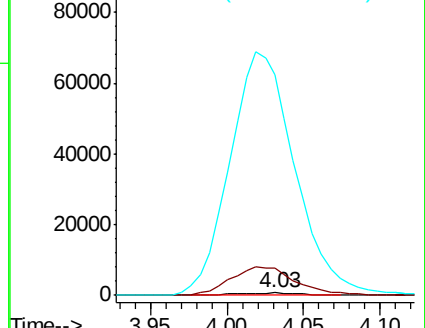
63 8876.5 78.5 145.9#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 13.268 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017056.D

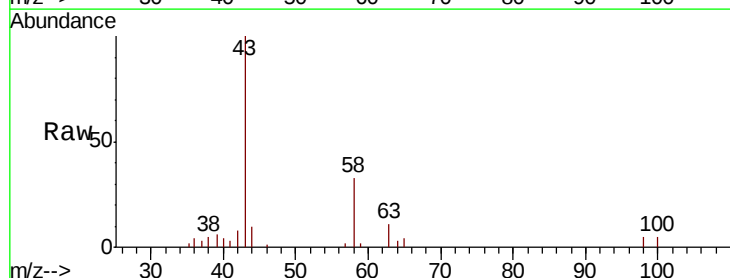
Acq: 03 Nov 2020 13:59

Tgt Ion: 43 Resp: 10829

Ion Ratio Lower Upper

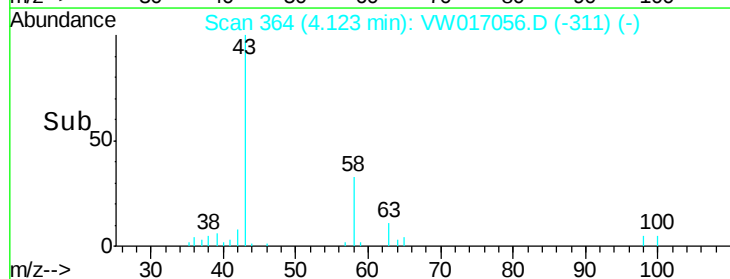
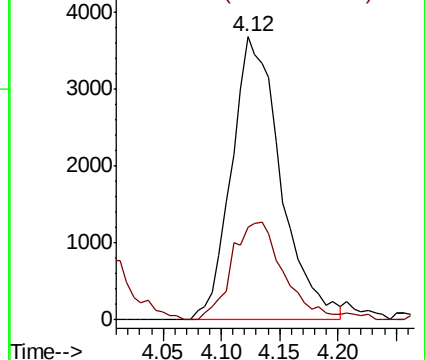
43 100

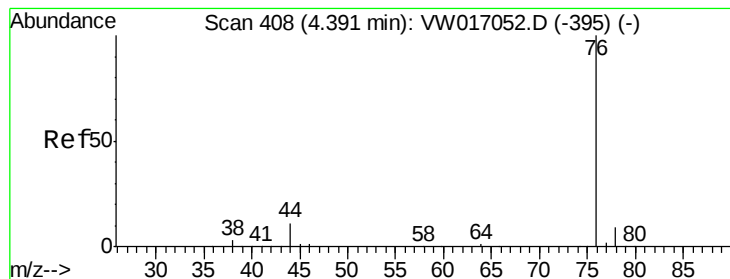
58 36.3 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 4.323 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

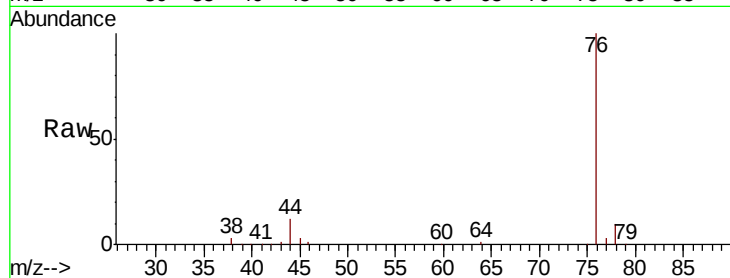
BG484

Tot Ion: 76 Resp: 95723

Ion Ratio Lower Upper

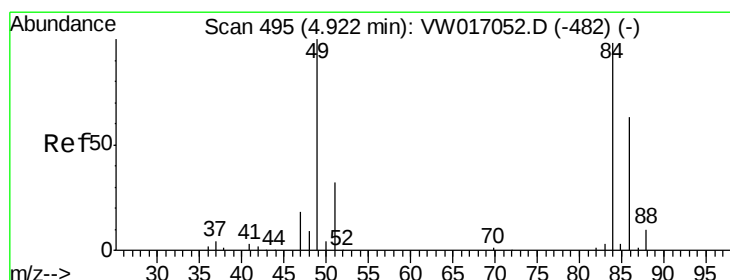
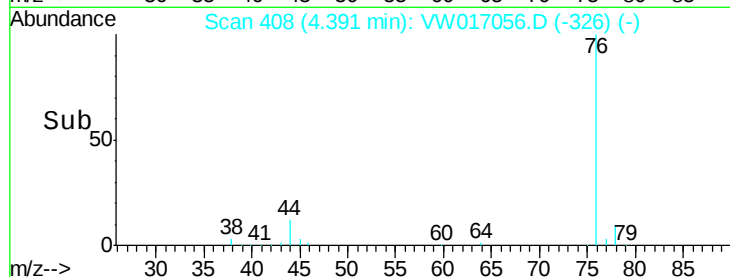
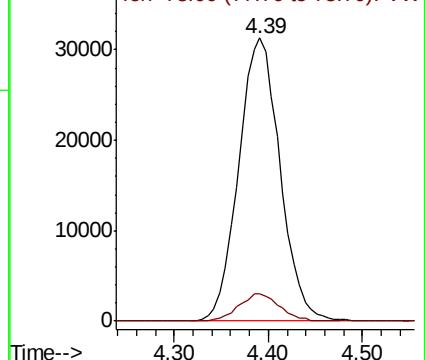
76 100

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 2.334 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

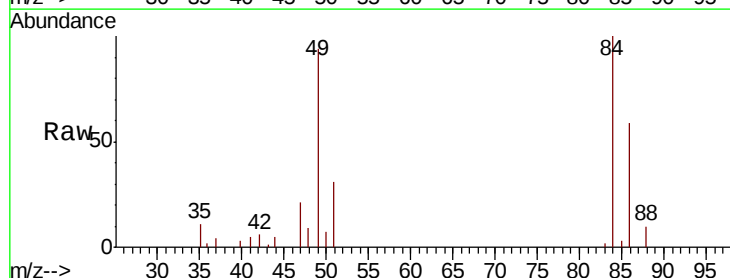
Tgt Ion: 84 Resp: 17213

Ion Ratio Lower Upper

84 100

49 94.2 73.8 137.0

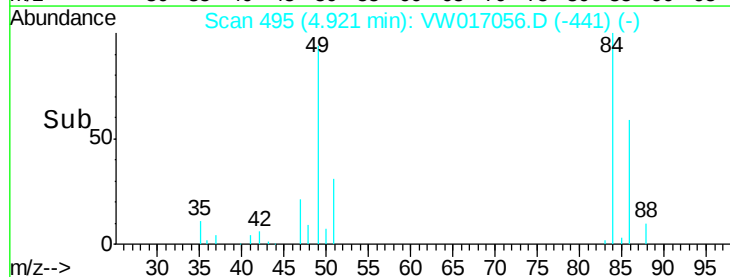
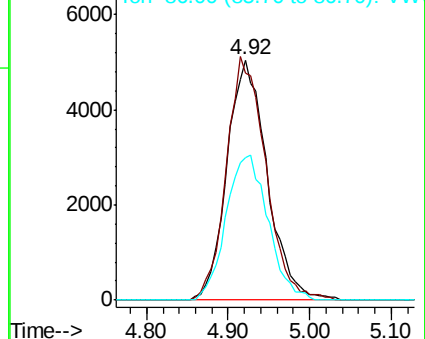
86 59.0 47.4 88.0

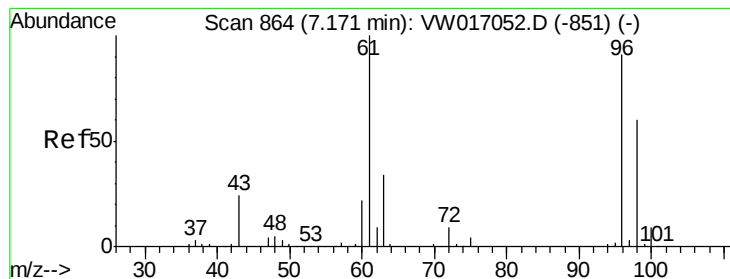


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 2.305 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

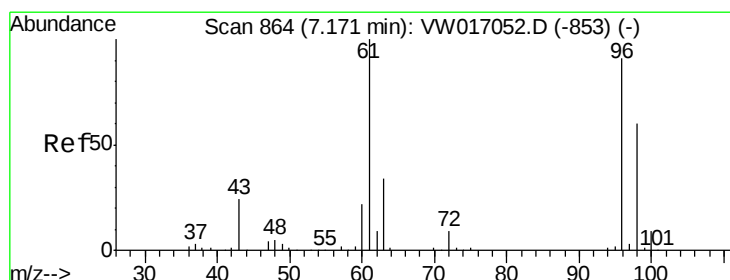
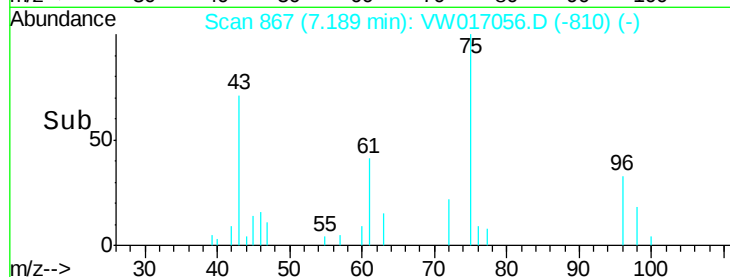
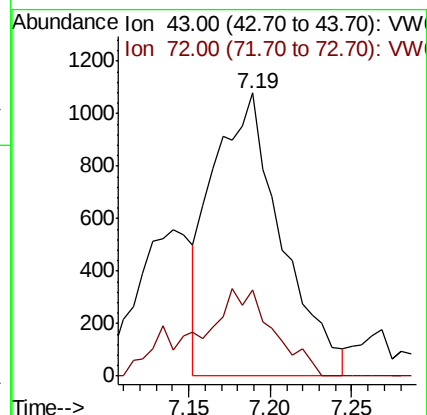
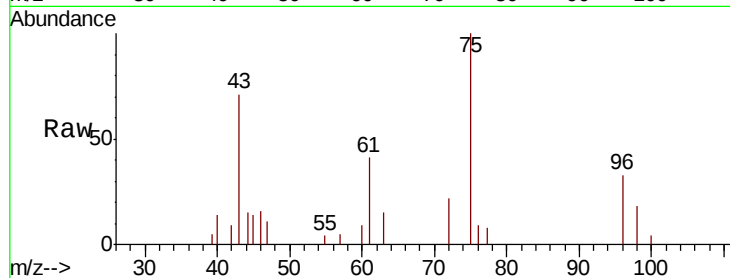
BG484

Tot Ion: 43 Resp: 3148

Ion Ratio Lower Upper

43 100

72 24.5 16.1 48.2



#22

cis-1,2-Dichloroethene

Concen: 0.204 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

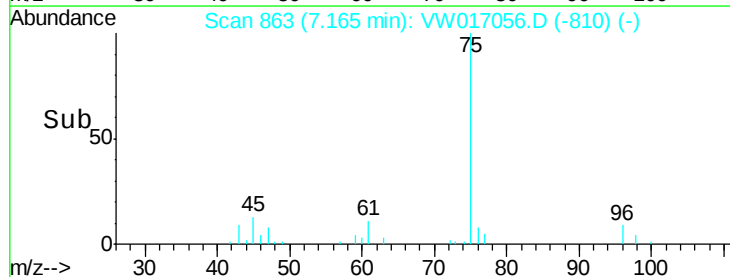
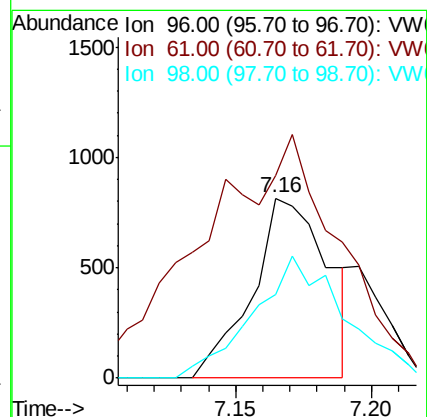
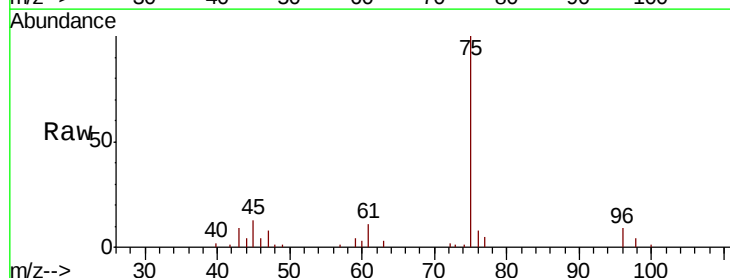
Tgt Ion: 96 Resp: 1573

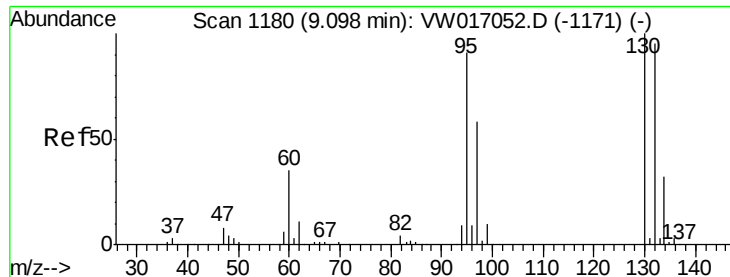
Ion Ratio Lower Upper

96 100

61 112.5 77.4 143.8

98 46.6 44.4 82.5





#35

Trichloroethene

Concen: 13.695 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

BG484

Tot Ion: 95 Resp: 100556

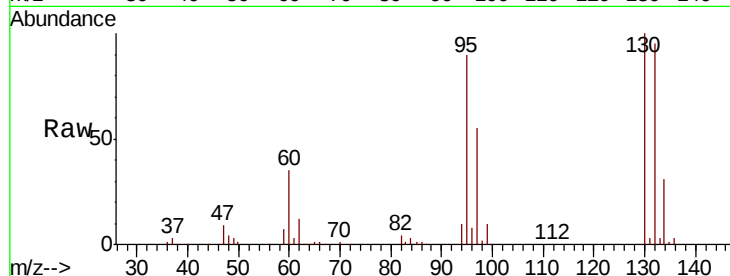
Ion Ratio Lower Upper

95 100

97 64.8 46.0 85.4

132 104.7 73.9 137.3

130 112.6 77.6 144.2

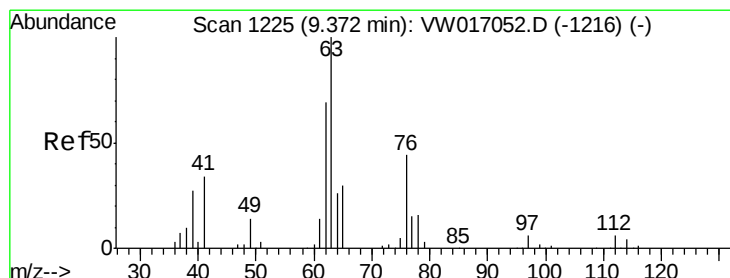
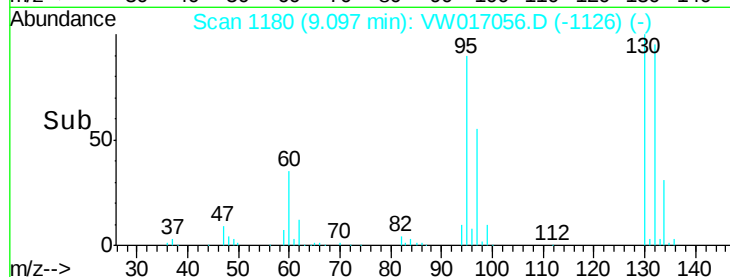
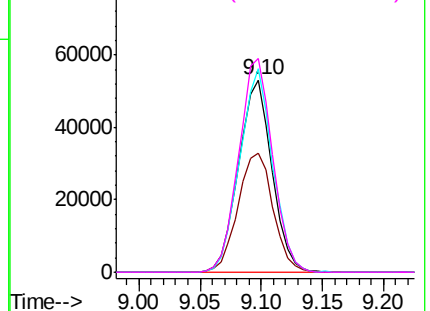


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 2.910 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017056.D

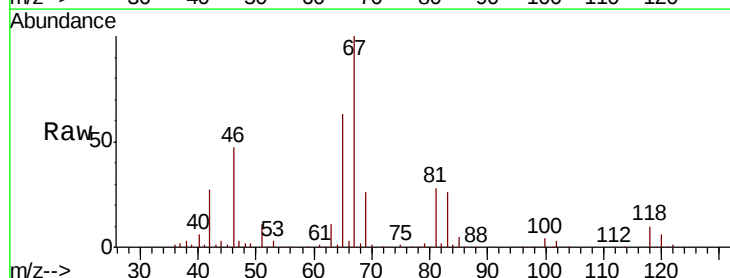
Acq: 03 Nov 2020 13:59

Tgt Ion: 63 Resp: 17227

Ion Ratio Lower Upper

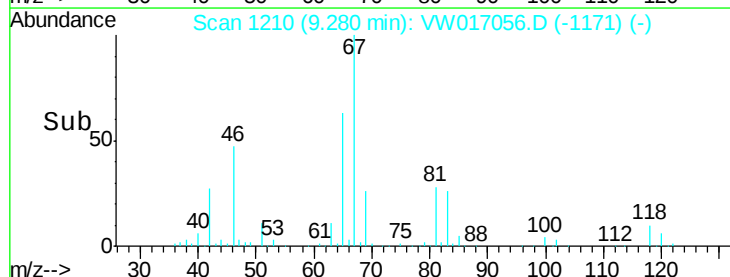
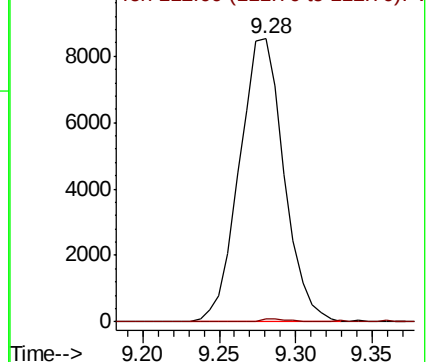
63 100

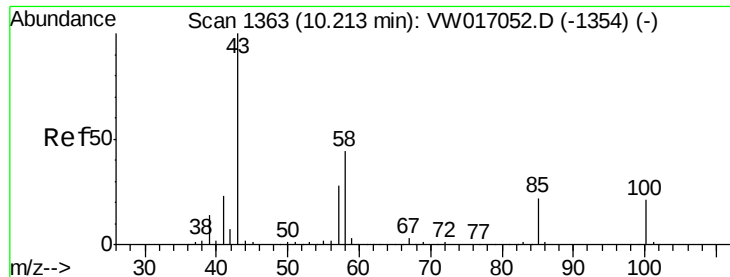
112 0.6 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#43

4-Methyl-2-pentanone

Concen: 0.775 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

BG484

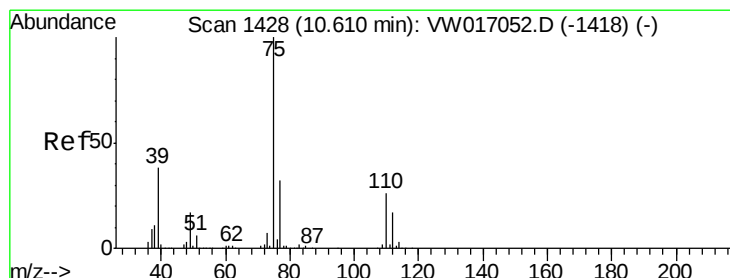
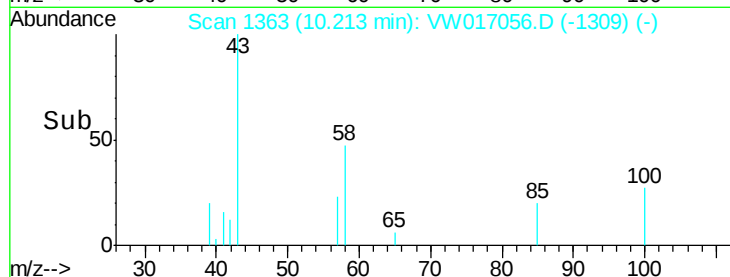
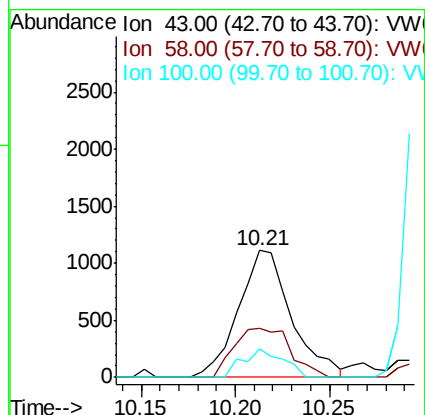
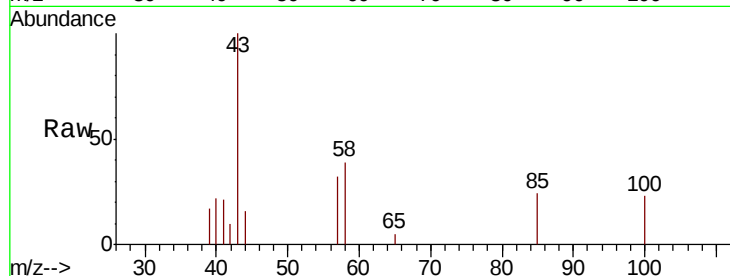
Tot Ion: 43 Resp: 2174

Ion Ratio Lower Upper

43 100

58 28.8 34.4 51.6#

100 17.2 16.2 24.2



#45

trans-1,3-Dichloropropene

Concen: 0.310 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017056.D

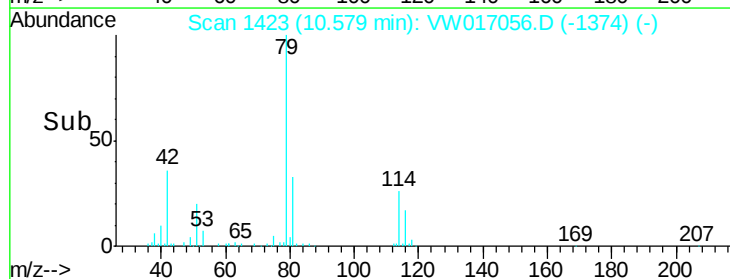
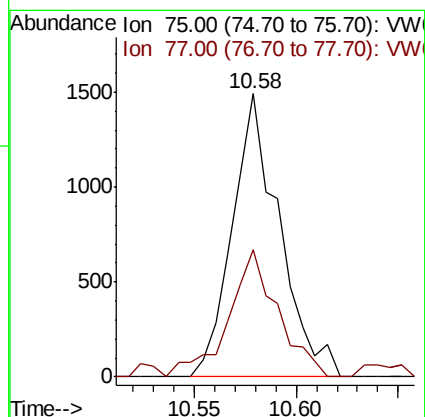
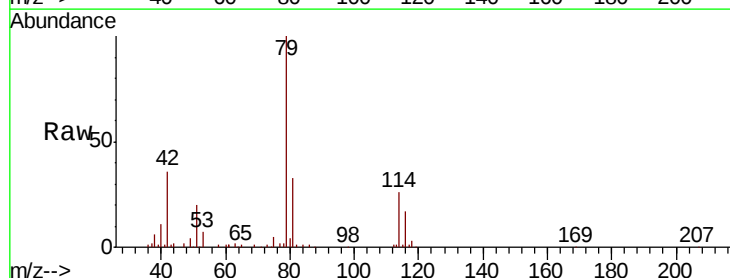
Acq: 03 Nov 2020 13:59

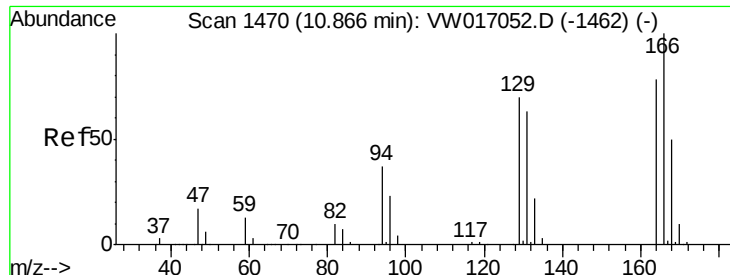
Tgt Ion: 75 Resp: 2377

Ion Ratio Lower Upper

75 100

77 45.0 22.7 42.3#





#47

Tetrachloroethene

Concen: 1606.513 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

BG484

Tot Ion:164 Resp:10850289

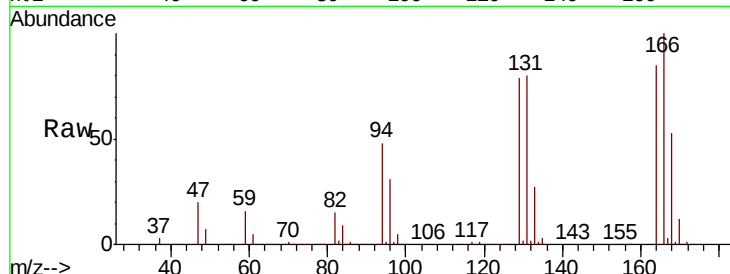
Ion Ratio Lower Upper

164 100

129 92.8 64.0 119.0

131 94.3 61.7 114.5

166 117.5 94.6 175.8

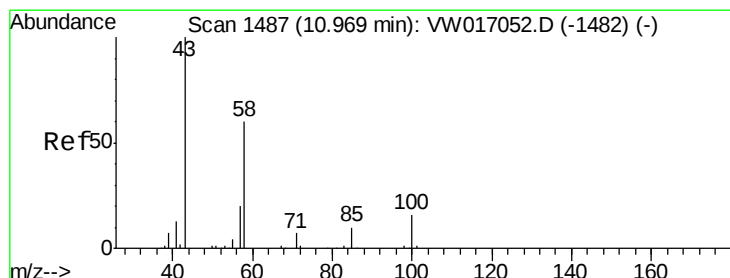
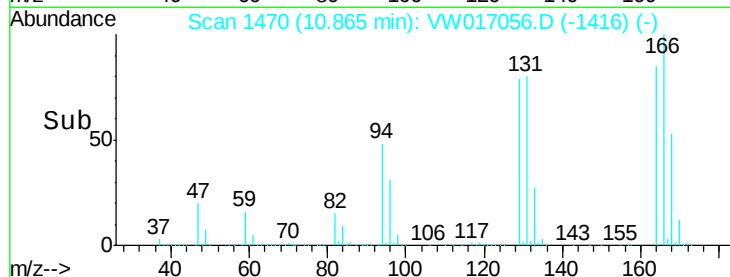
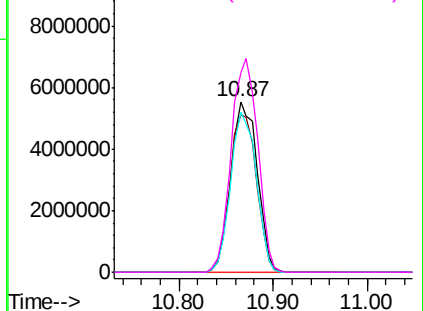


Abundance Ion 164.00 (163.70 to 164.70): V

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

2-Hexanone

Concen: 2.283 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Tgt Ion: 43 Resp: 4083

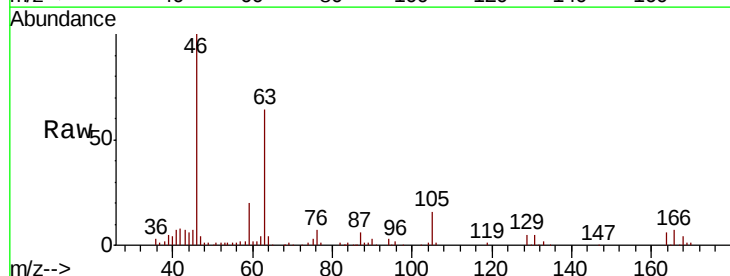
Ion Ratio Lower Upper

43 100

58 26.8 49.2 73.8#

57 25.1 17.0 25.4

100 1.2 13.2 19.8#

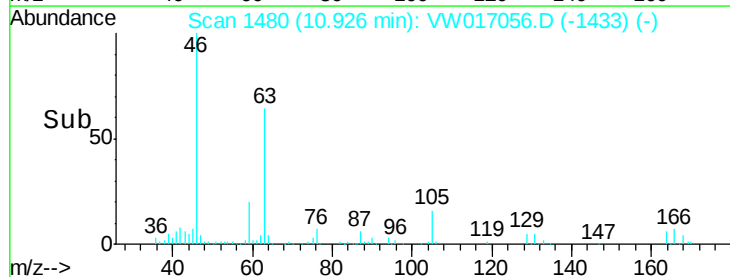
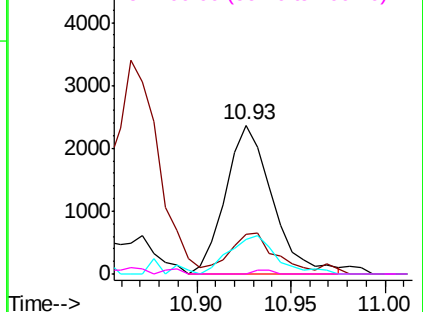


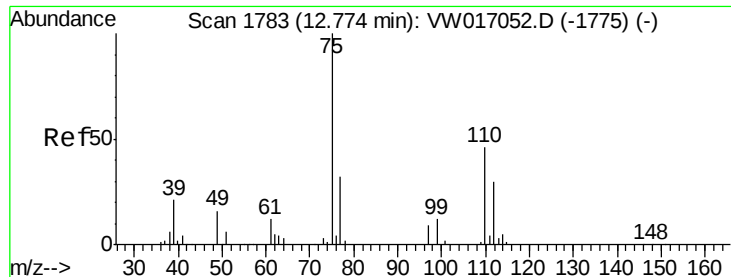
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 6.570 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017056.D

Acq: 03 Nov 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

BG484

Tot Ion: 75 Resp: 23915

Ion Ratio Lower Upper

75 100

77 36.0 25.8 38.8

