

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017060.D
 Acq On : 03 Nov 2020 15:33
 Operator : SY/VA
 Sample : L4615-04
 Misc : 5.74G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG476

Quant Time: Nov 04 04:11:44 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	8.84	114	531452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	441953	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167003	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124460	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.16%
7) Chloroethane-d5	2.89	69	105196	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.52%
10) 1,1-Dichloroethene-d2	4.03	63	189787	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.64%
20) 2-Butanone-d5	7.08	46	53793	46.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.12%
24) Chloroform-d	7.65	84	267039	21.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.12%
26) 1,2-Dichloroethane-d4	8.31	65	131211	22.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.96%
29) Benzene-d6	8.28	84	541469	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.27	67	150727	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.40%
37) Toluene-d8	10.33	98	499445	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.48%
38) trans-1,3-Dichloropropene-	10.58	79	58211	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.52%
39) 2-Hexanone-d5	10.93	63	43963	51.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108912	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	137516	23.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.72%

Target Compounds

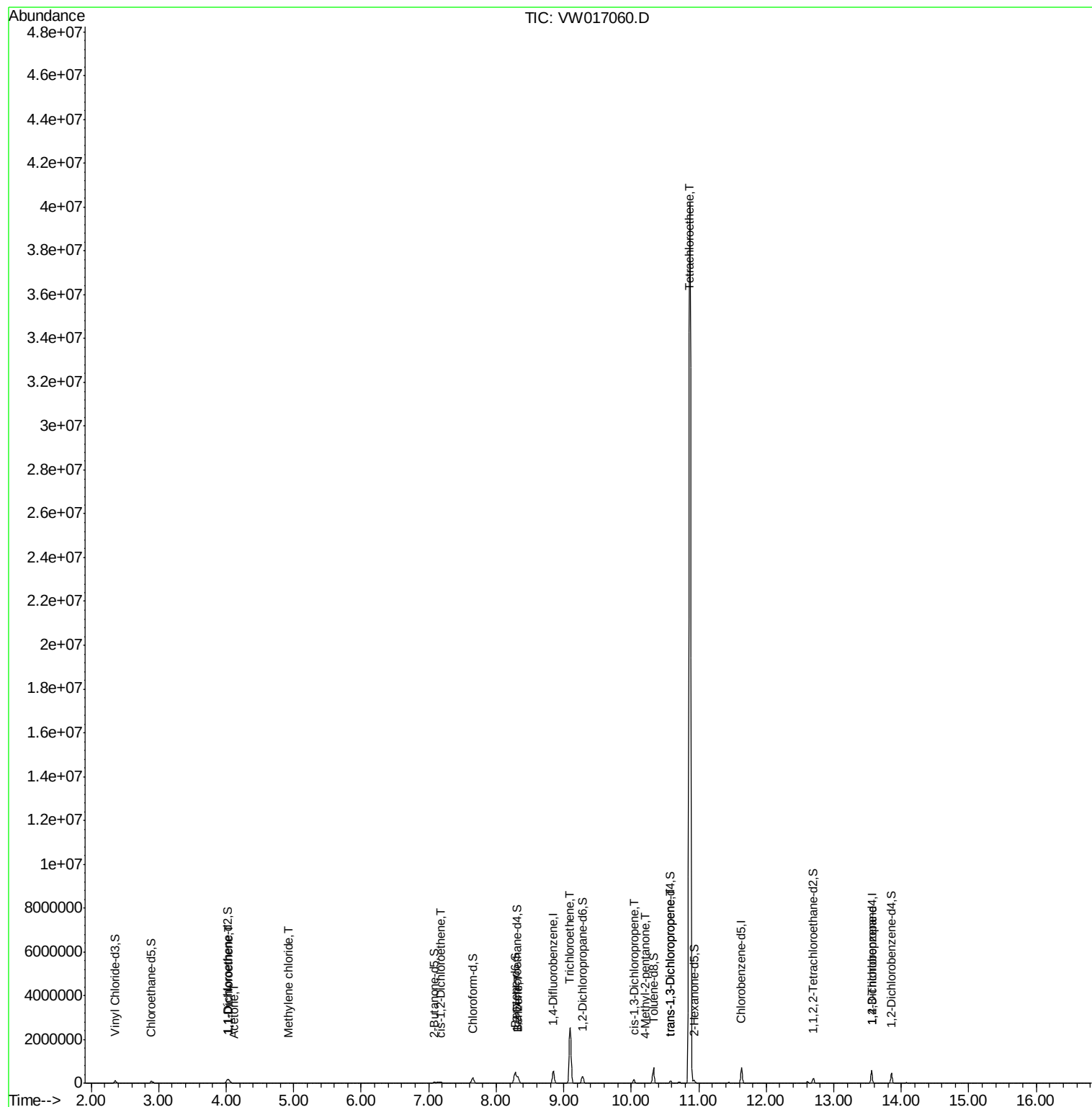
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	9330	1.341	ug/L #	1
13) Acetone	4.12	43	5889	7.575	ug/L	96
16) Methylene chloride	4.92	84	15160	2.158	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	23602	3.209	ug/L	99
34) Benzene	8.32	78	182119	7.459	ug/L	100
35) Trichloroethene	9.09	95	887693	131.280	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4201	0.493	ug/L #	70
43) 4-Methyl-2-pentanone	10.22	43	2309	0.893	ug/L	93
45) trans-1,3-Dichloropropene	10.58	75	2428	0.344	ug/L	85
47) Tetrachloroethene	10.87	164	1095586	1761.351	ug/L	94
59) 1,2,3-Trichloropropane	13.56	75	17636	5.261	ug/L	93

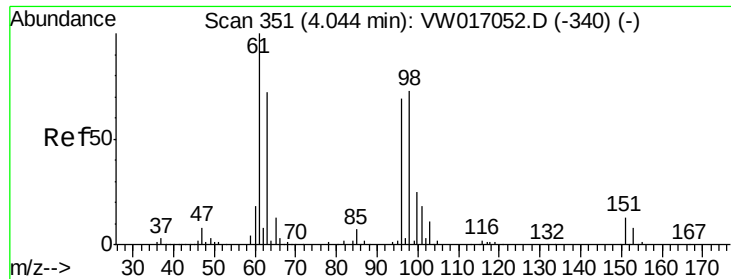
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.341 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Instrument :

MSVOA_W

ClientSampled :

BG476

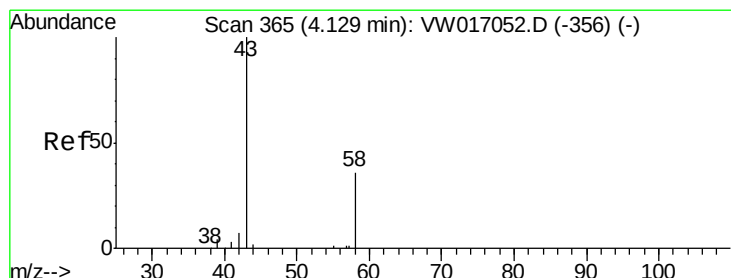
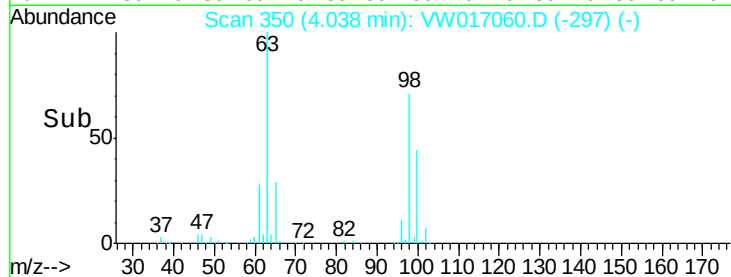
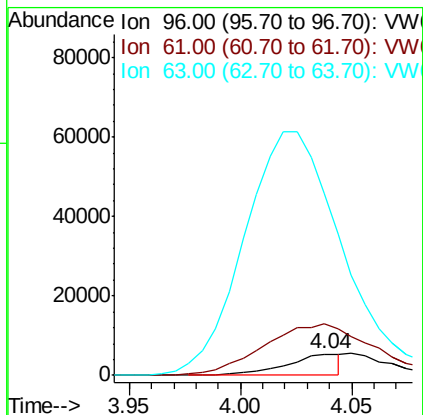
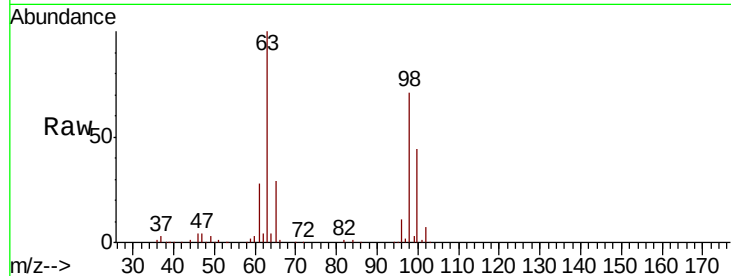
Tot Ion: 96 Resp: 9330

Ion Ratio Lower Upper

96 100

61 244.8 101.4 188.4#

63 874.7 78.5 145.9#



#13

Acetone

Concen: 7.575 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017060.D

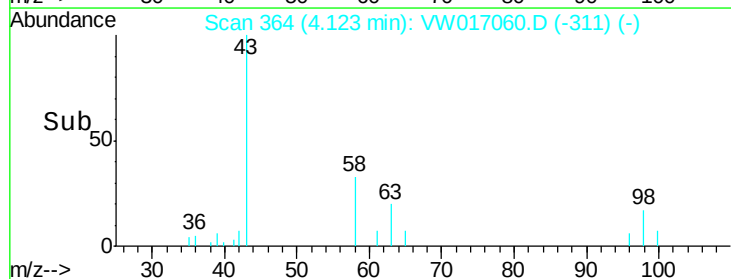
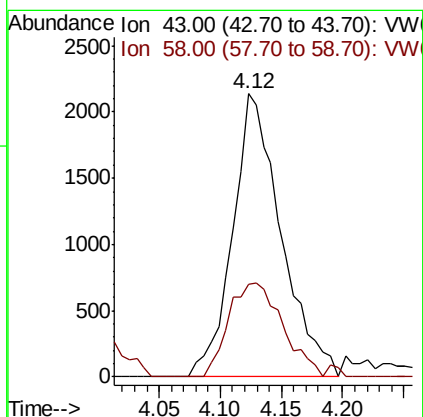
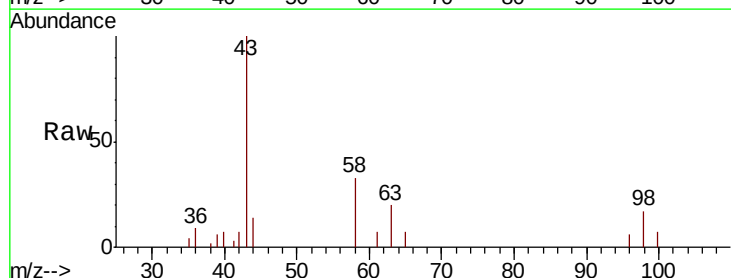
Acq: 03 Nov 2020 15:33

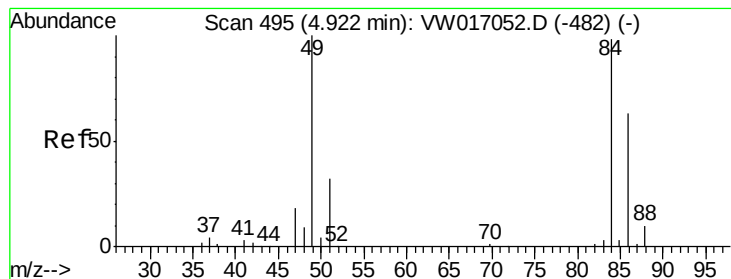
Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

43 100

58 37.0 0.0 69.8





#16

Methylene chloride

Concen: 2.158 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Instrument :

MSVOA_W

ClientSampled :

BG476

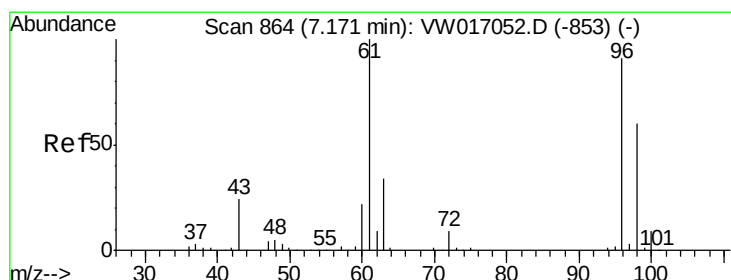
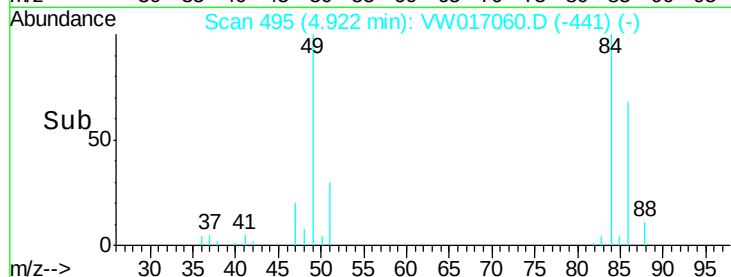
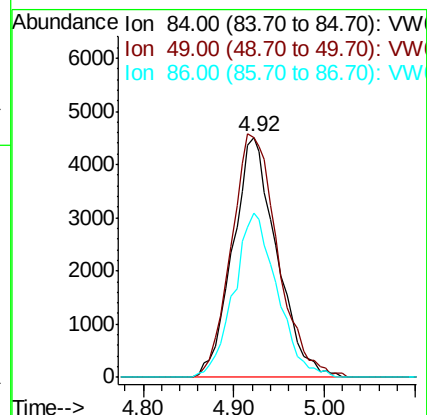
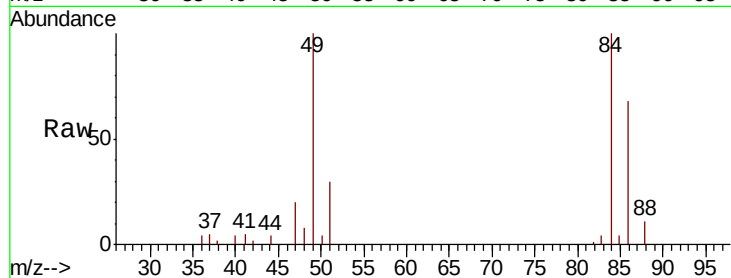
Tot Ion: 84 Resp: 15160

Ion Ratio Lower Upper

84 100

49 99.7 73.8 137.0

86 68.1 47.4 88.0



#22

cis-1,2-Dichloroethene

Concen: 3.209 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

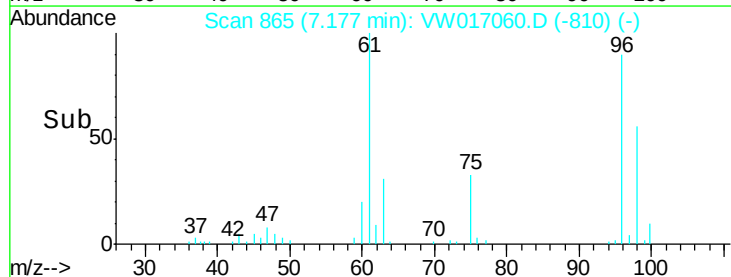
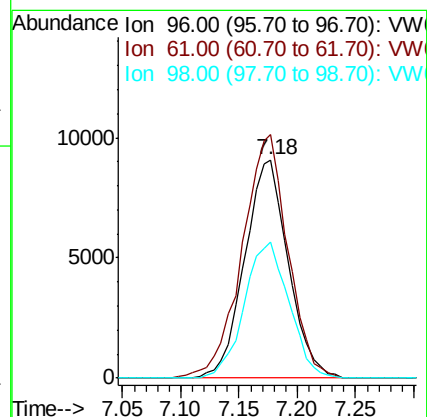
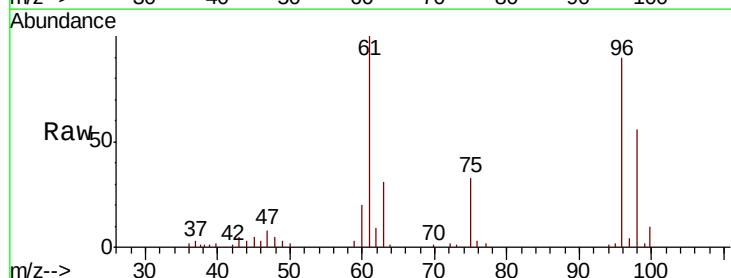
Tgt Ion: 96 Resp: 23602

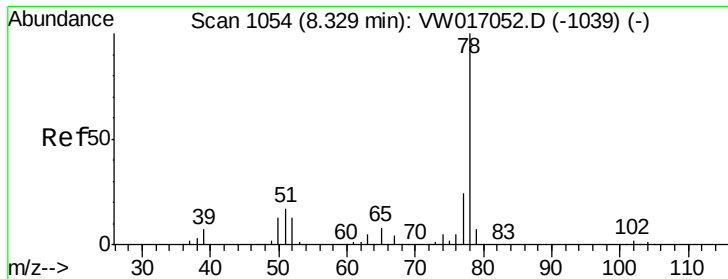
Ion Ratio Lower Upper

96 100

61 111.5 77.4 143.8

98 62.2 44.4 82.5





#34

Benzene

Concen: 7.459 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

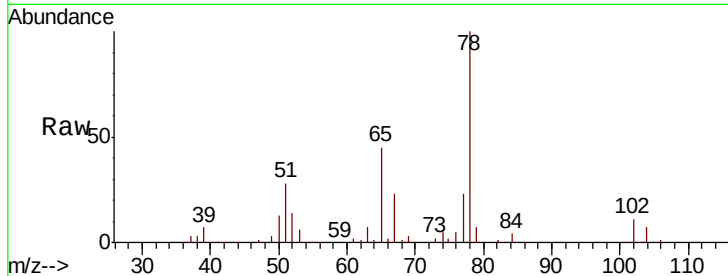
Instrument :

MSVOA_W

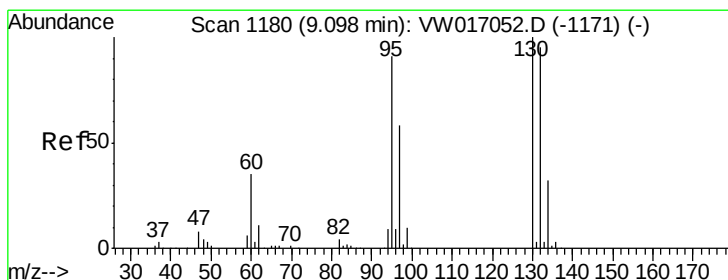
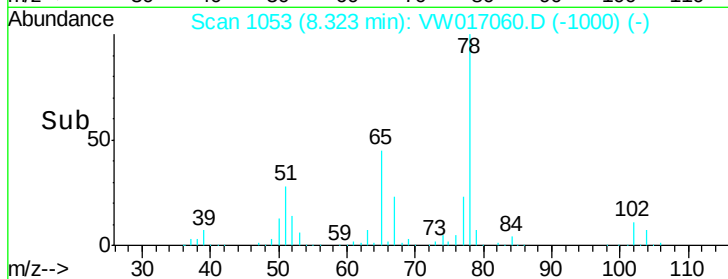
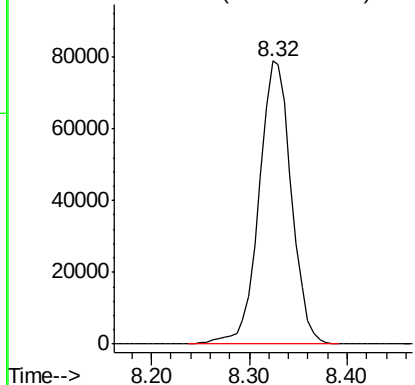
ClientSampled :

BG476

Tgt Ion: 78 Resp: 182119



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 131.280 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Tgt Ion: 95 Resp: 887693

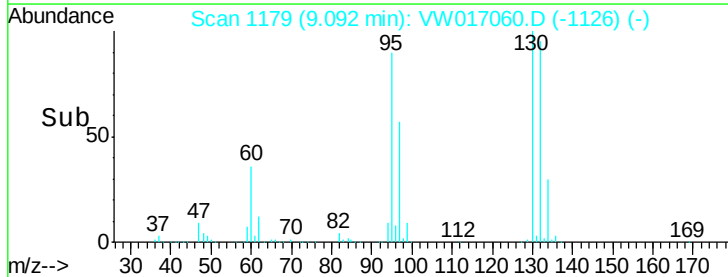
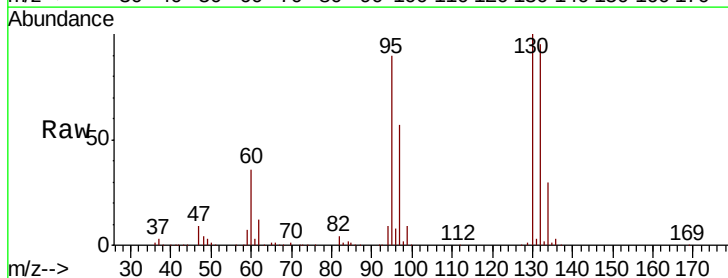
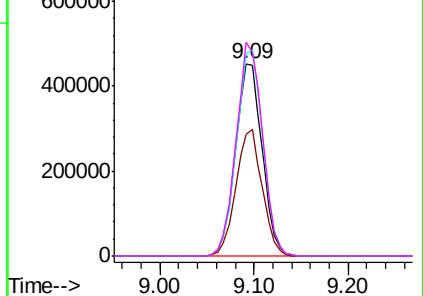
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.0	85.4
132	107.1	73.9	137.3
130	110.5	77.6	144.2

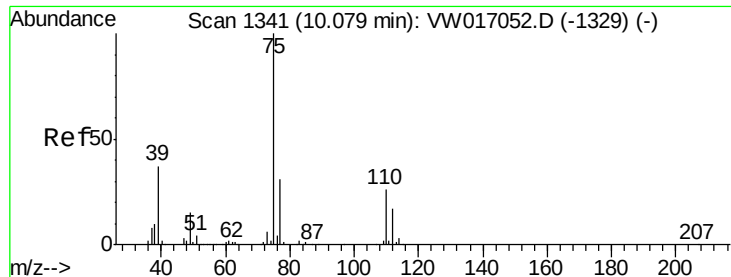
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.493 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Instrument :

MSVOA_W

ClientSampled :

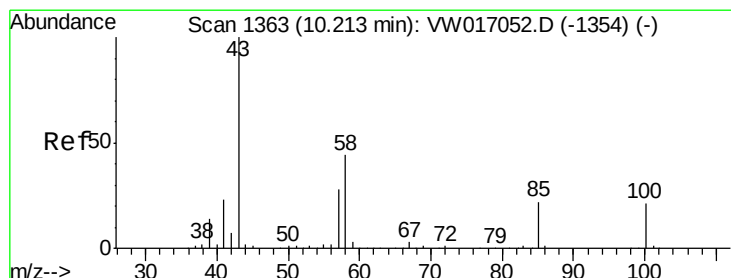
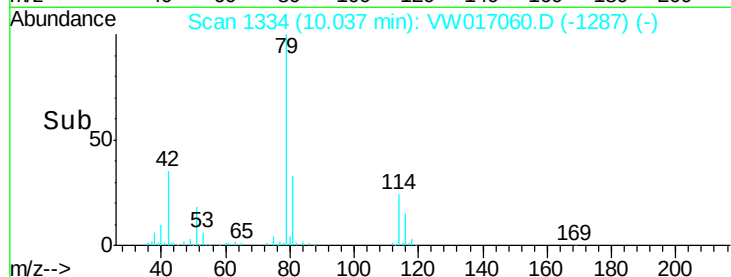
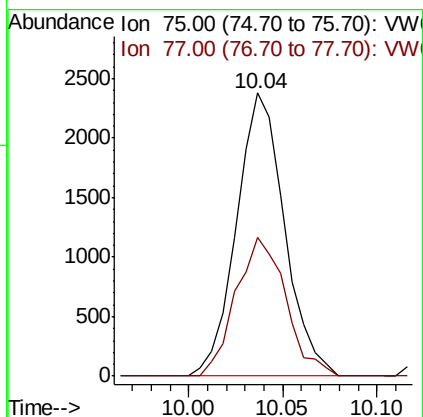
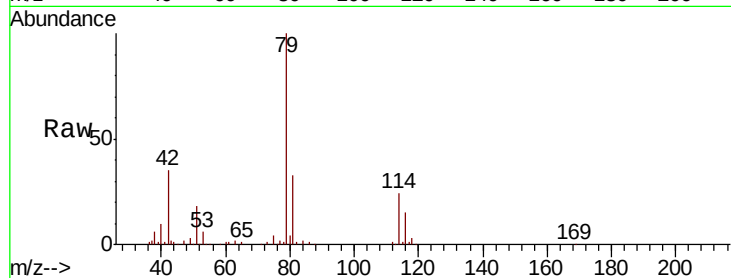
BG476

Tot Ion: 75 Resp: 4201

Ion Ratio Lower Upper

75 100

77 48.9 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 0.893 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

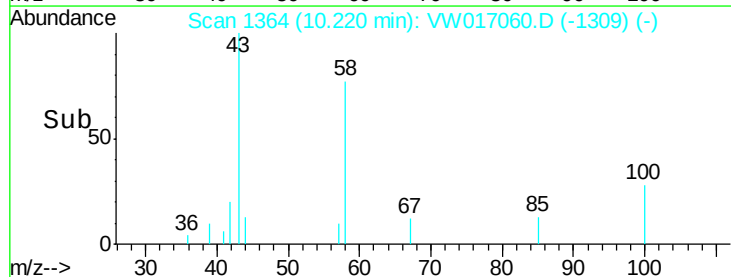
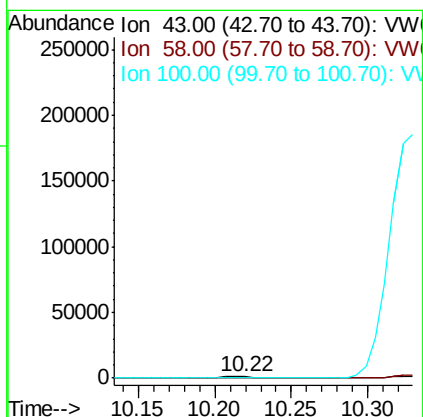
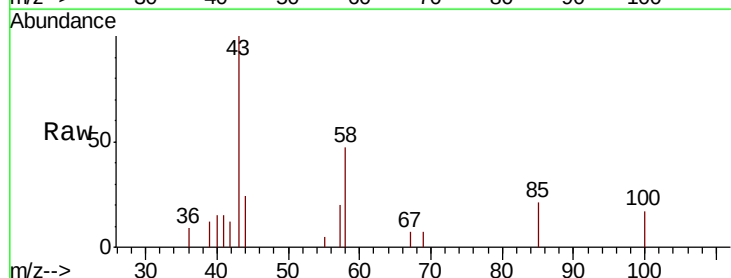
Tgt Ion: 43 Resp: 2309

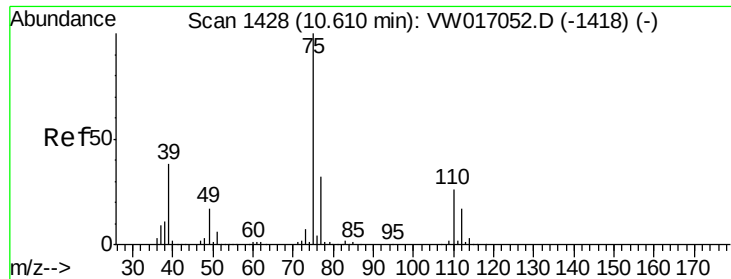
Ion Ratio Lower Upper

43 100

58 37.0 34.4 51.6

100 20.4 16.2 24.2





#45

trans-1,3-Dichloropropene

Concen: 0.344 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

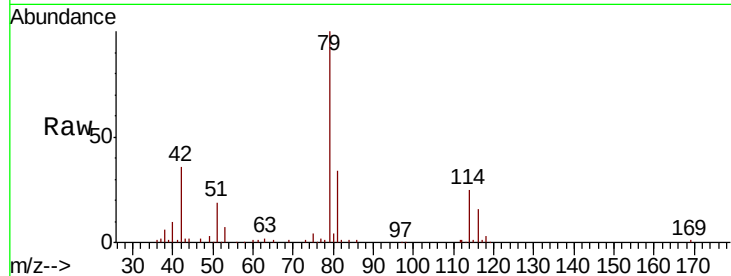
BG476

Tot Ion: 75 Resp: 2428

Ion Ratio Lower Upper

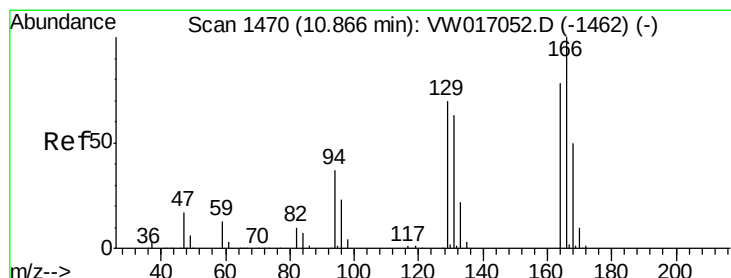
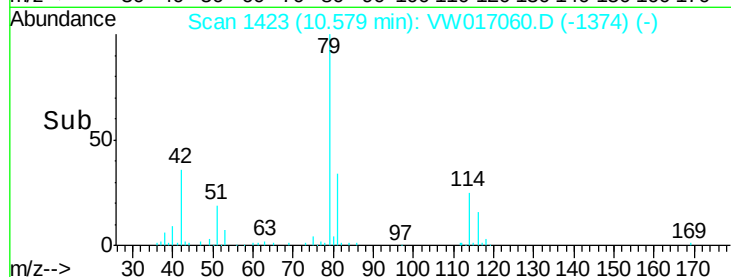
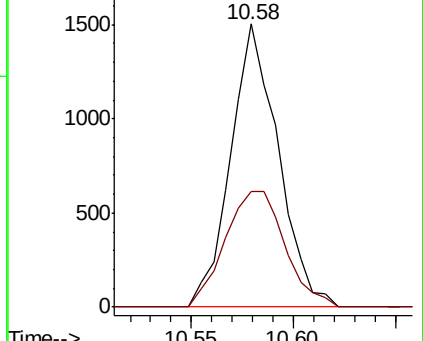
75 100

77 40.7 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 1761.351 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Tgt Ion:164 Resp:10955586

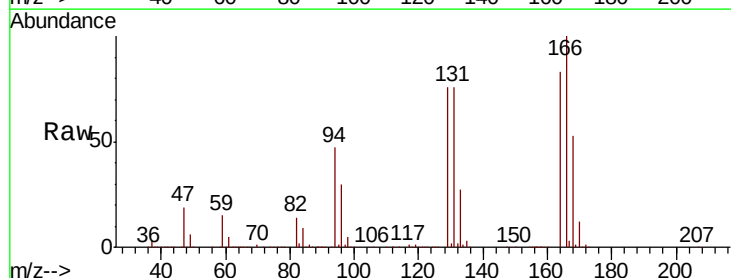
Ion Ratio Lower Upper

164 100

129 91.5 64.0 119.0

131 91.3 61.7 114.5

166 120.8 94.6 175.8

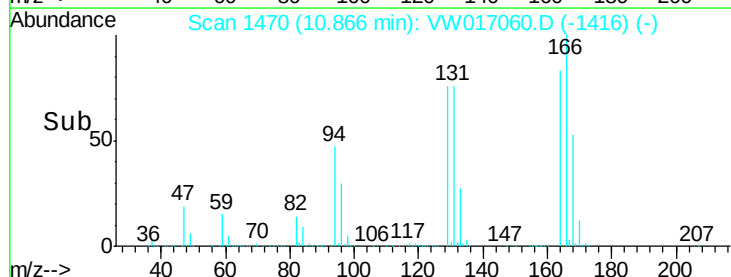
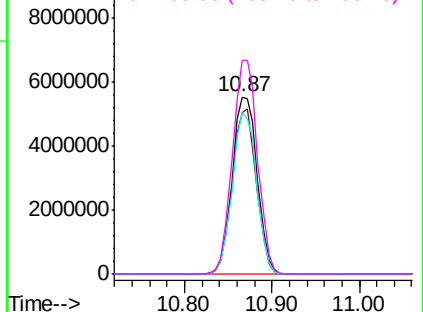


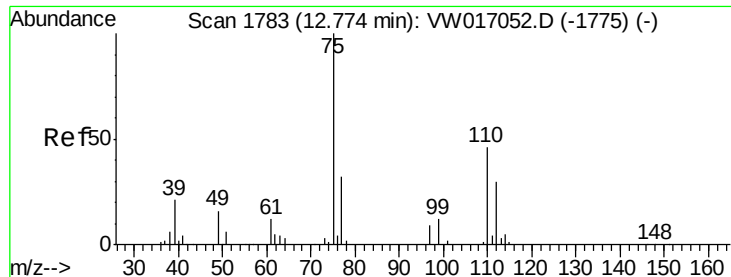
Abundance Ion 164.00 (163.70 to 164.70): V

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





#59

1,2,3-Trichloropropane

Concen: 5.261 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017060.D

Acq: 03 Nov 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

BG476

Tot Ion: 75 Resp: 17636

Ion Ratio Lower Upper

75 100

77 36.5 25.8 38.8

