

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017107.D
 Acq On : 06 Nov 2020 17:47
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:35:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	228435	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	211183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	92734	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136018	47.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	189.08%#
7) Chloroethane-d5	2.89	69	107023	48.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	193.08%#
10) 1,1-Dichloroethene-d2	4.03	63	176136	34.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	136.88%#
20) 2-Butanone-d5	7.09	46	48873	75.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.92%#
24) Chloroform-d	7.65	84	248219	46.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	186.20%#
26) 1,2-Dichloroethane-d4	8.31	65	122064	46.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	184.16%#
29) Benzene-d6	8.28	84	497653	46.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	185.08%#
33) 1,2-Dichloropropane-d6	9.28	67	137412	46.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	184.76%#
37) Toluene-d8	10.33	98	457609	45.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	180.52%#
38) trans-1,3-Dichloropropene-	10.58	79	53949	40.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	160.92%#
39) 2-Hexanone-d5	10.93	63	36488	70.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.58%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108940	42.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	168.16%#
61) 1,2-Dichlorobenzene-d4	13.86	152	167101	51.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	204.60%#

Target Compounds

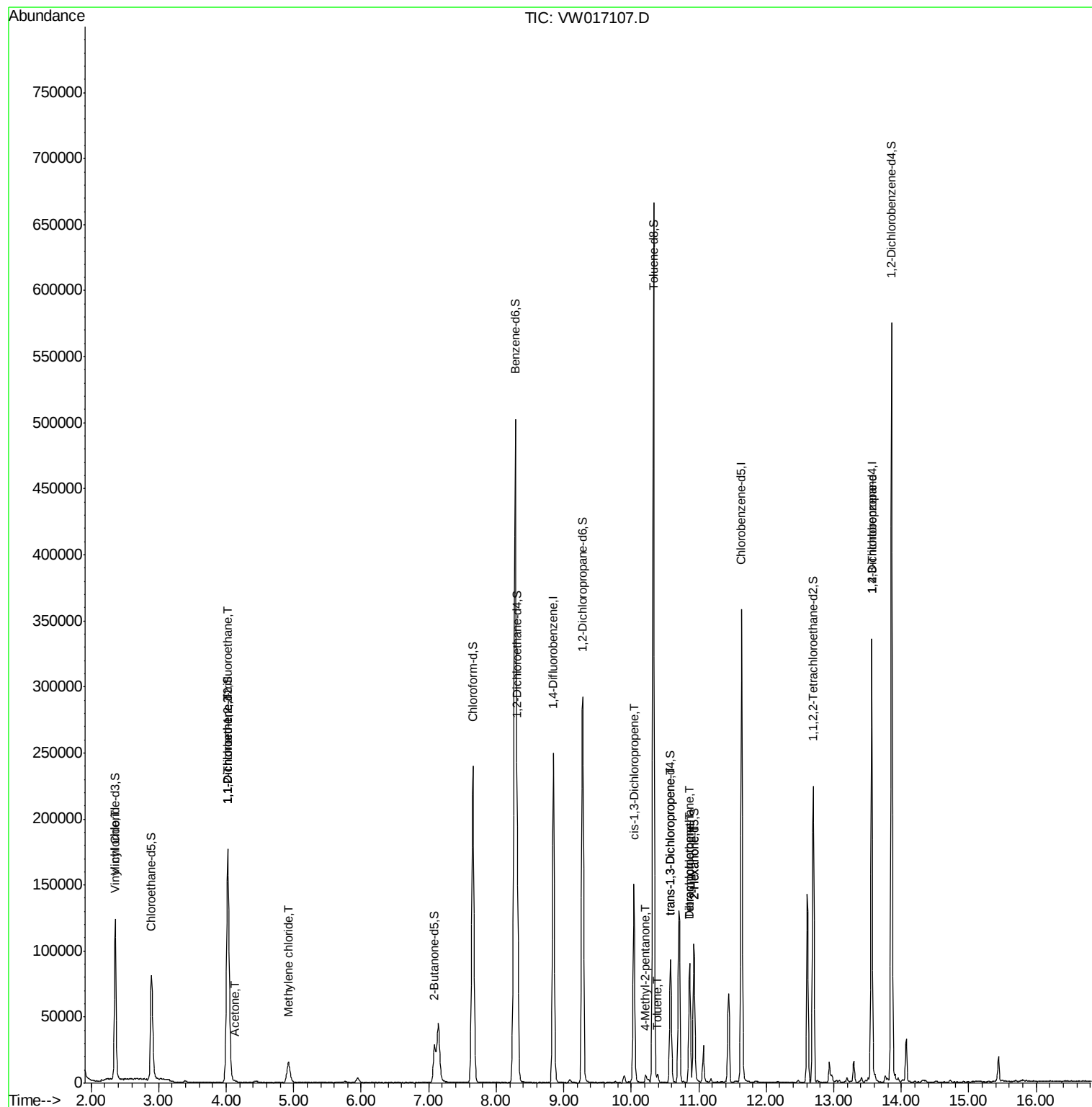
					Ovalue
5) Vinyl chloride	2.37	62	688	0.226	ug/L # 1
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1976	0.670	ug/L # 17
12) 1,1-Dichloroethene	4.02	96	1750	0.617	ug/L # 1
13) Acetone	4.14	43	837	1.943	ug/L 55
16) Methylene chloride	4.92	84	14045	4.560	ug/L 90
42) cis-1,3-Dichloropropene	10.04	75	3942	0.960	ug/L # 64
43) 4-Methyl-2-pentanone	10.22	43	4370	2.732	ug/L 94
44) Toluene	10.40	91	4207	0.345	ug/L 94
45) trans-1,3-Dichloropropene	10.59	75	2581	0.732	ug/L 90
47) Tetrachloroethene	10.87	164	21145	7.545	ug/L 92
49) 2-Hexanone	10.93	43	4483	4.650	ug/L # 62
50) Dibromochloromethane	10.87	129	18485	6.789	ug/L # 11
59) 1,2,3-Trichloropropane	13.56	75	9424	5.078	ug/L 91

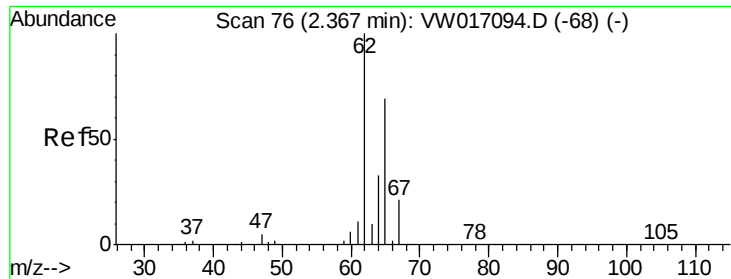
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Nov 07 04:26:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.226 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

Instrument :

MSVOA_W

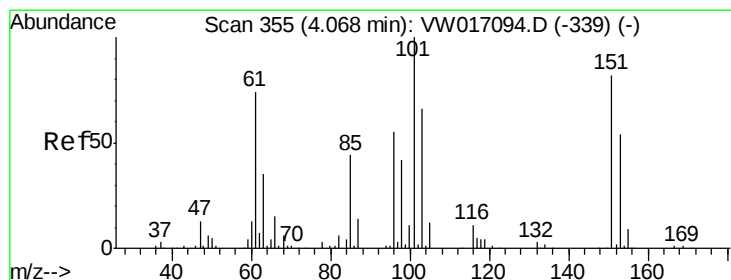
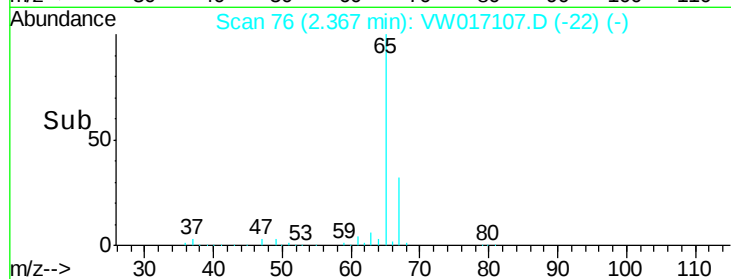
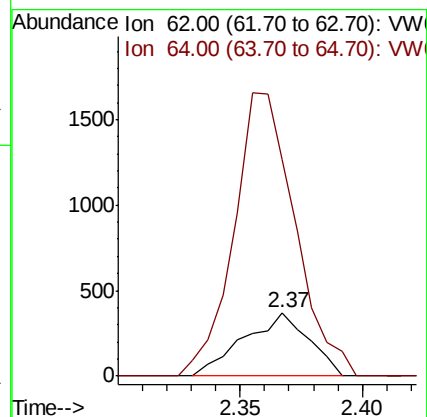
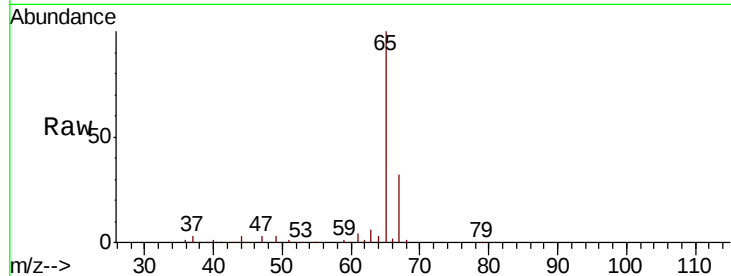
ClientSampleId :

Tot Ion: 62 Resp: 688

Ion Ratio Lower Upper

62 100

64 341.5 23.3 43.3#



#11

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

Concen: 0.670 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.04 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

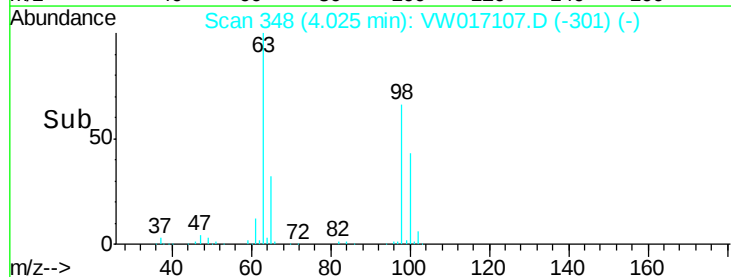
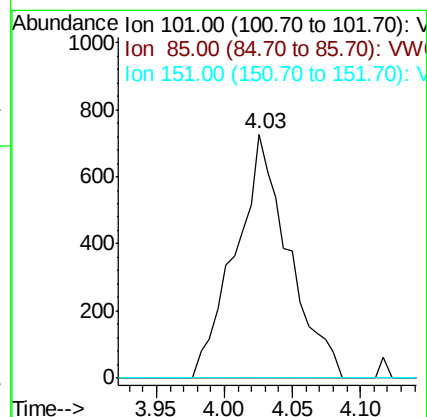
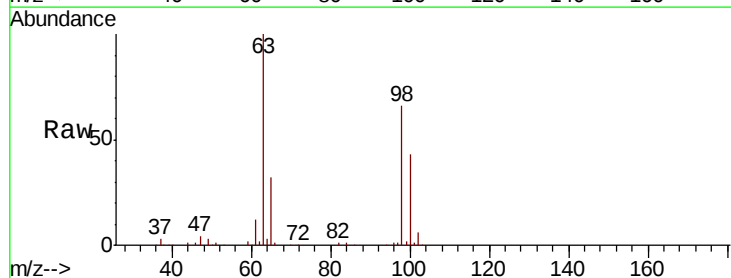
Tgt Ion: 101 Resp: 1976

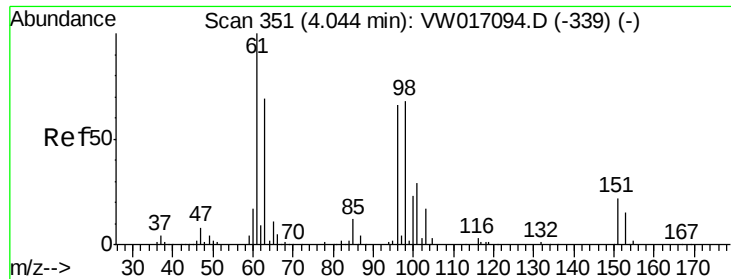
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#

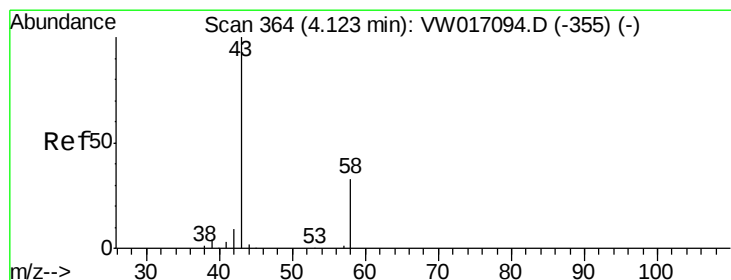
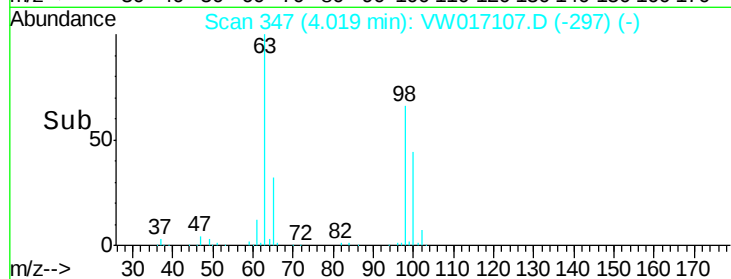
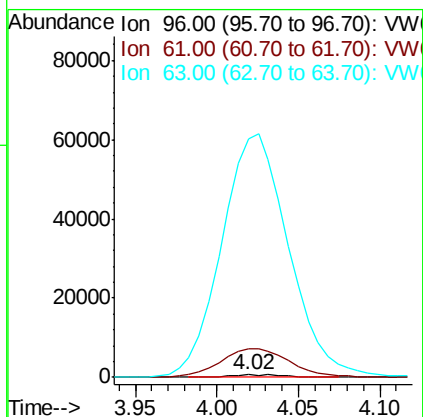
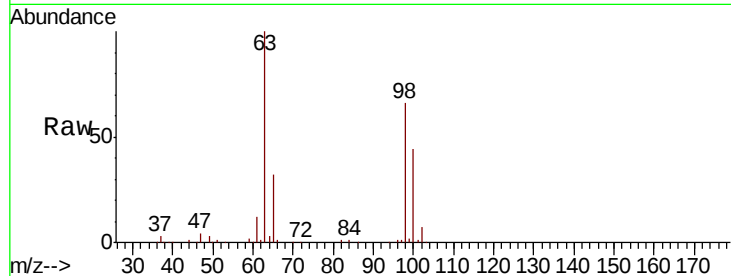




#12
 1,1-Dichloroethene
 Concen: 0.617 ug/L
 RT: 4.02 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VW017107.D
 Acq: 06 Nov 2020 17:47

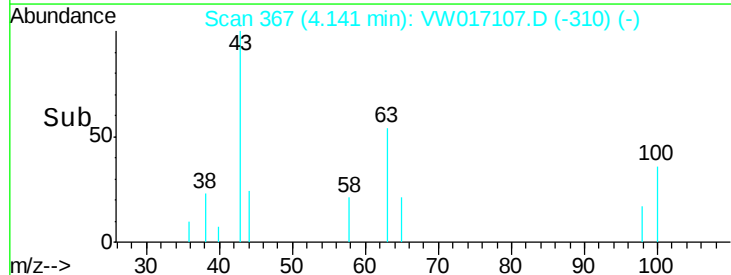
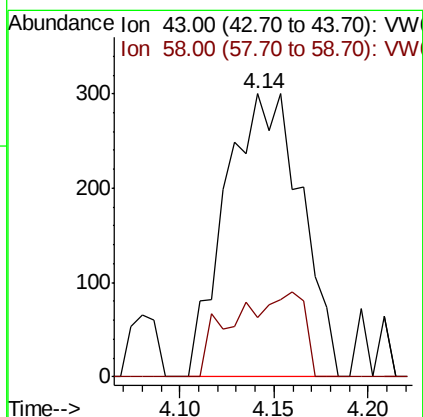
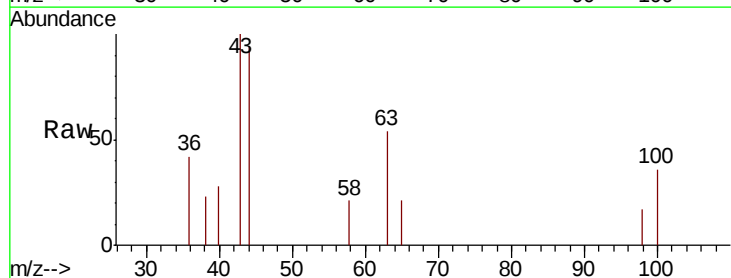
Instrument :
 MSVOA_W
 ClientSampled :

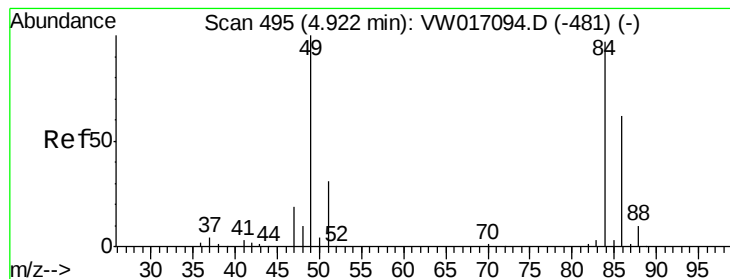
Tot Ion: 96 Resp: 1750
 Ion Ratio Lower Upper
 96 100
 61 1076.6 103.8 192.8#
 63 9003.6 84.4 156.7#



#13
 Acetone
 Concen: 1.943 ug/L
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW017107.D
 Acq: 06 Nov 2020 17:47

Tgt Ion: 43 Resp: 837
 Ion Ratio Lower Upper
 43 100
 58 8.6 0.0 69.2





#16

Methylene chloride

Concen: 4.560 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

Instrument :

MSVOA_W

ClientSampleId :

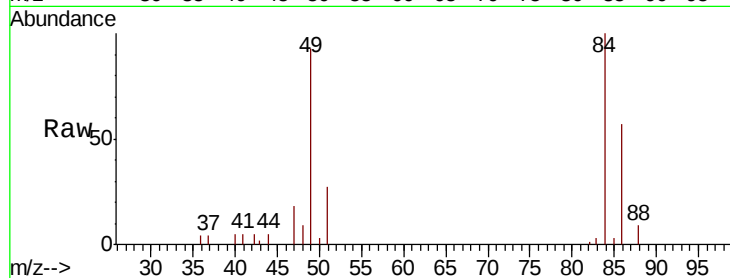
Tot Ion: 84 Resp: 14045

Ion Ratio Lower Upper

84 100

49 93.5 72.3 134.3

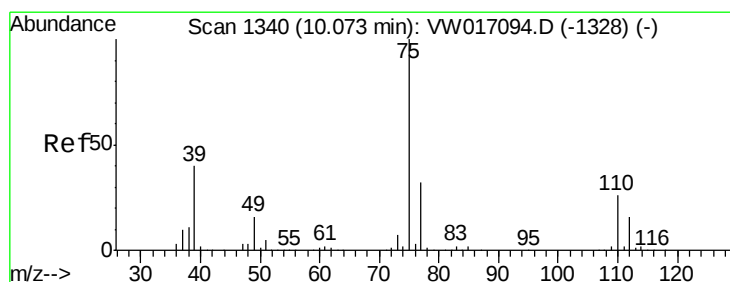
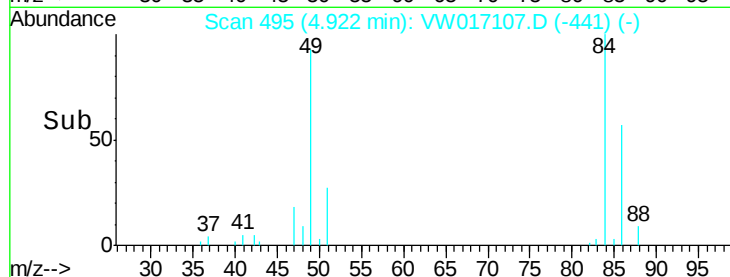
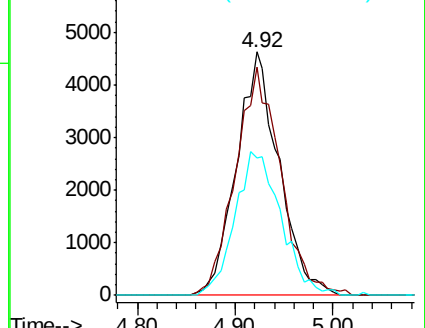
86 56.7 45.1 83.7



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



#42

cis-1,3-Dichloropropene

Concen: 0.960 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017107.D

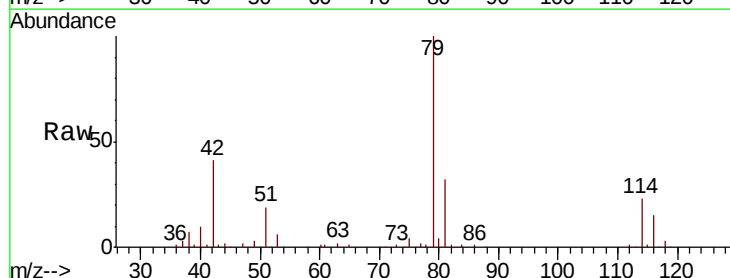
Acq: 06 Nov 2020 17:47

Tgt Ion: 75 Resp: 3942

Ion Ratio Lower Upper

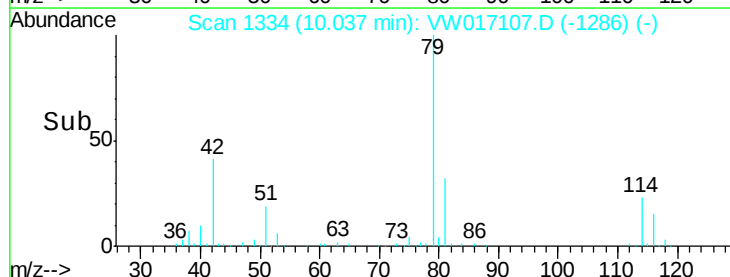
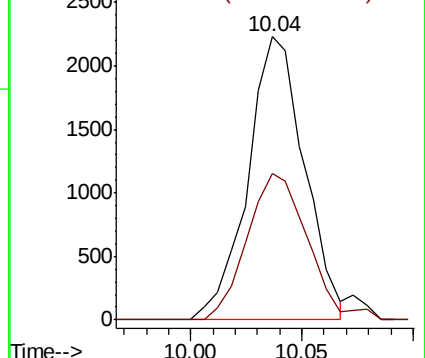
75 100

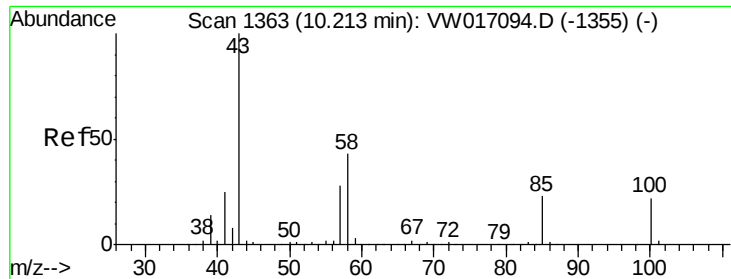
77 51.6 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

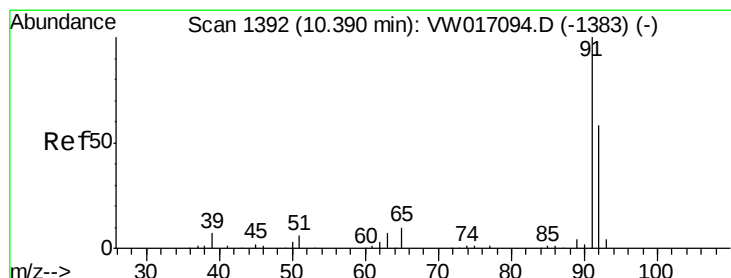
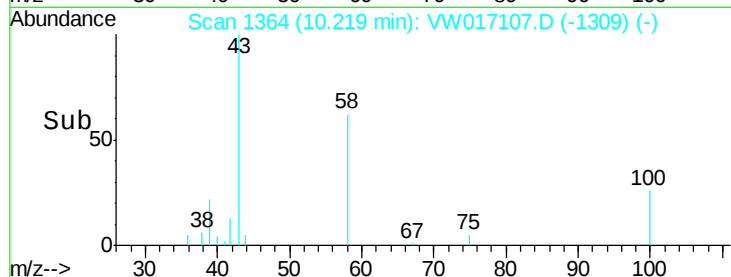
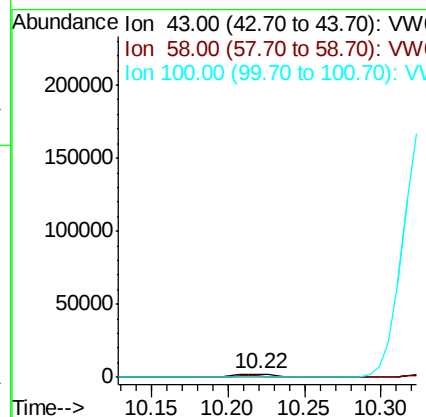
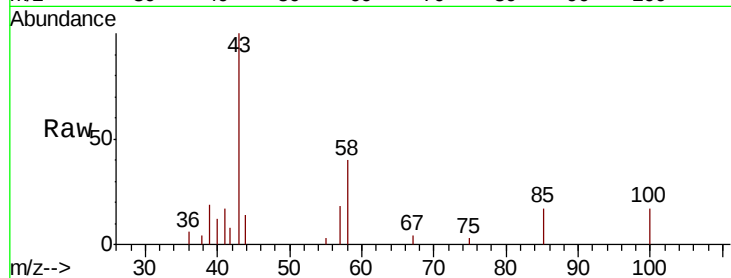




#43
4-Methyl-2-pentanone
Concen: 2.732 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW017107.D
Acq: 06 Nov 2020 17:47

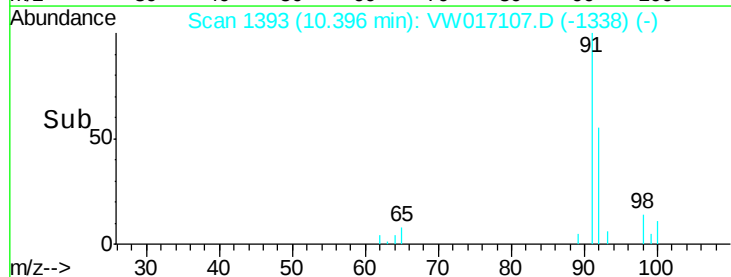
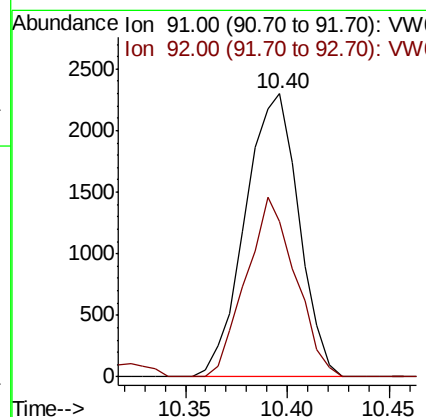
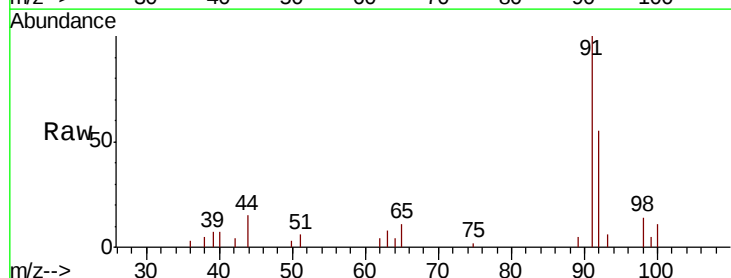
Instrument :
MSVOA_W
ClientSampleId :

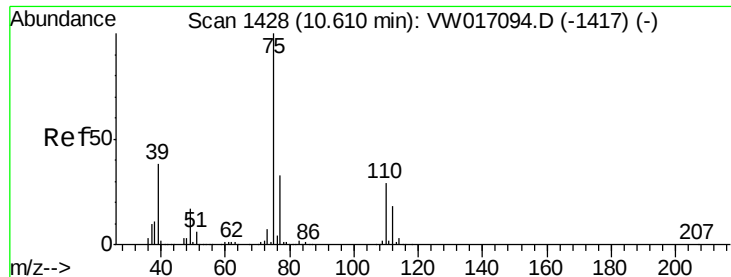
Tot Ion: 43 Resp: 4370
Ion Ratio Lower Upper
43 100
58 40.3 35.0 52.6
100 16.8 16.6 24.8



#44
Toluene
Concen: 0.345 ug/L
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW017107.D
Acq: 06 Nov 2020 17:47

Tgt Ion: 91 Resp: 4207
Ion Ratio Lower Upper
91 100
92 54.9 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.732 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

Instrument :

MSVOA_W

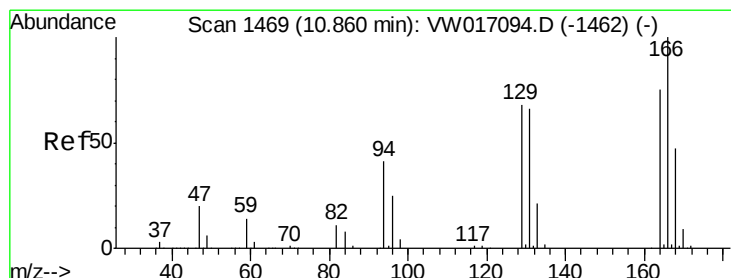
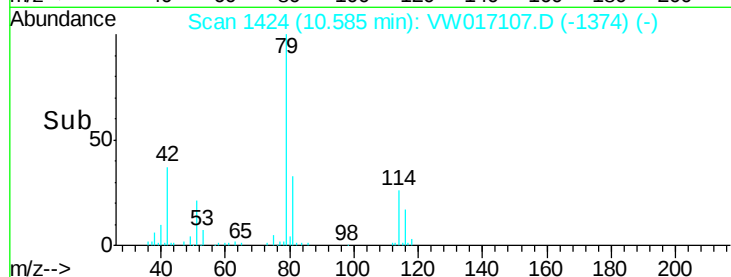
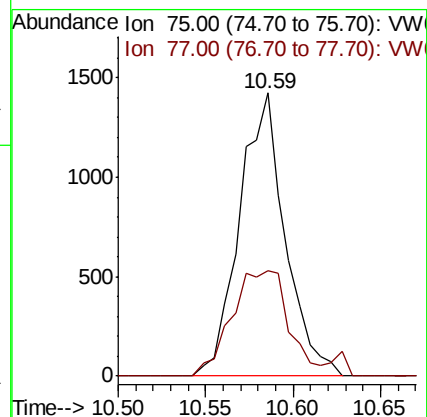
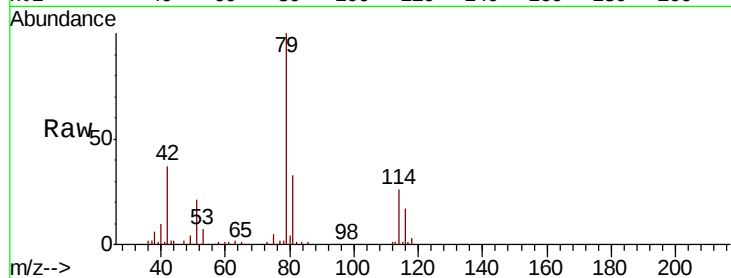
ClientSampleId :

Tot Ion: 75 Resp: 2581

Ion Ratio Lower Upper

75 100

77 37.1 22.1 41.1



#47

Tetrachloroethene

Concen: 7.545 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

Tgt Ion: 164 Resp: 21145

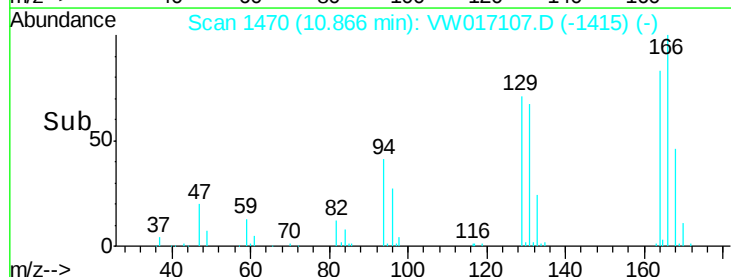
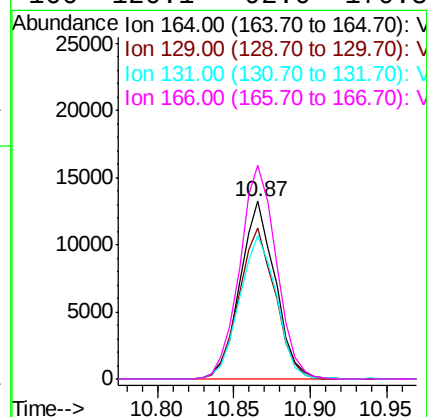
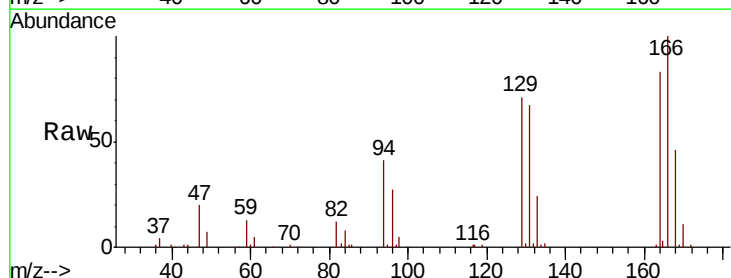
Ion Ratio Lower Upper

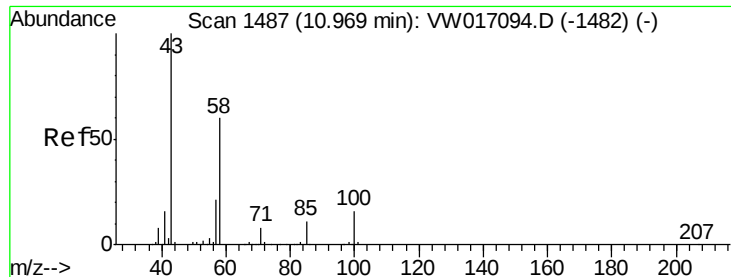
164 100

129 85.1 62.9 116.7

131 80.6 63.3 117.5

166 120.1 92.0 170.8

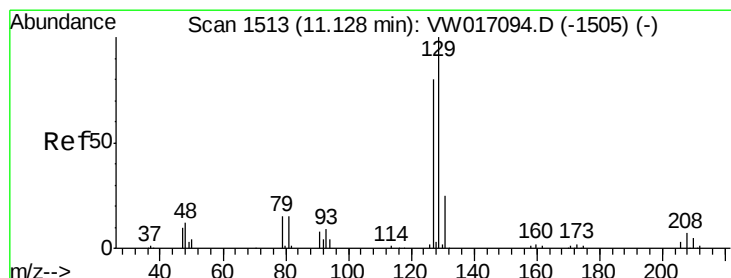
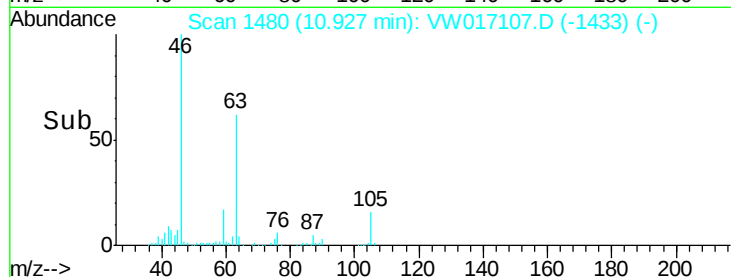
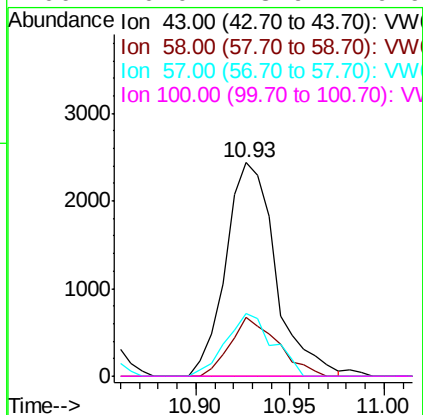
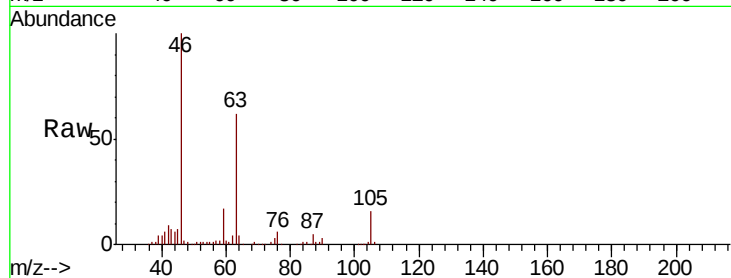




#49
2-Hexanone
Concen: 4.650 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW017107.D
Acq: 06 Nov 2020 17:47

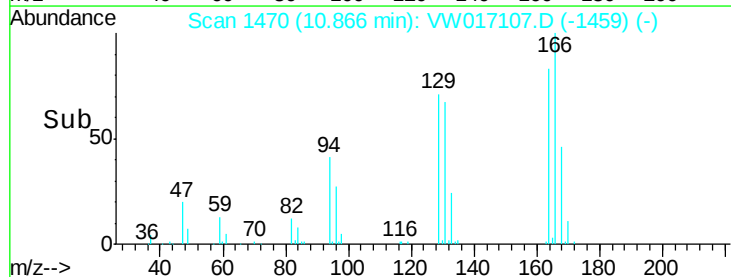
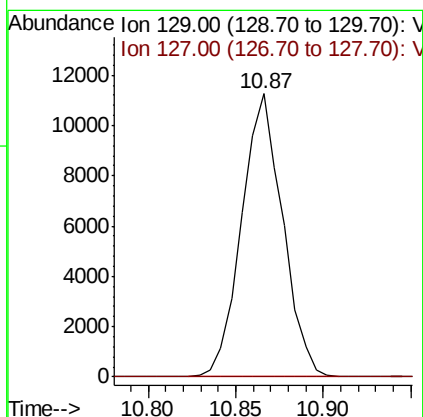
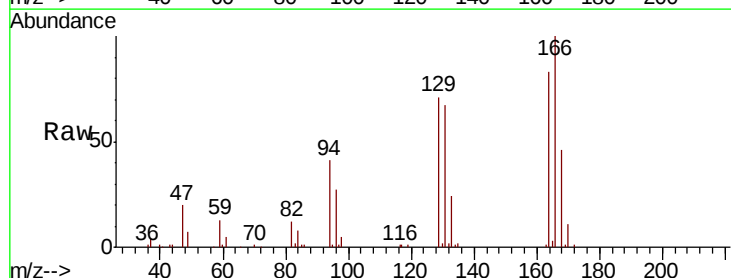
Instrument :
MSVOA_W
ClientSampled :

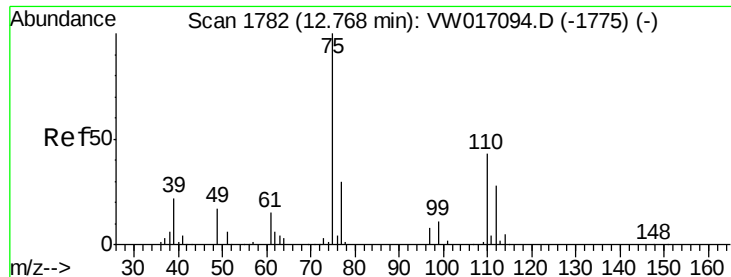
Tot Ion	43	Resp	4483
Ion Ratio	Lower	Upper	
43	100		
58	26.1	50.6	75.8#
57	27.5	17.8	26.6#
100	0.0	13.9	20.9#



#50
Dibromochloromethane
Concen: 6.789 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW017107.D
Acq: 06 Nov 2020 17:47

Tgt Ion	129	Resp	18485
Ion Ratio	Lower	Upper	
129	100		
127	0.0	54.3	100.9#





#59

1,2,3-Trichloropropane

Concen: 5.078 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017107.D

Acq: 06 Nov 2020 17:47

Instrument :

MSVOA_W

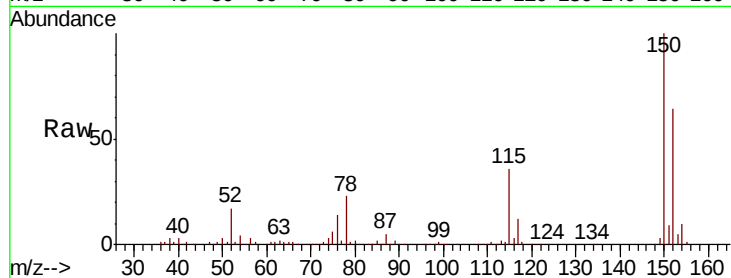
ClientSampleId :

Tot Ion: 75 Resp: 9424

Ion Ratio Lower Upper

75 100

77 38.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

