

Data File : VW007935.D
Acq On : 26 Dec 2018 21:00
Operator : SY/AP
Sample : J6471-11
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK01

Quant Time: Dec 27 00:49:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 27 00:43:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	98849	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	90945	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	43377	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	20267	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.24%
7) Chloroethane-d5	2.89	69	12873	19.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.44%
10) 1,1-Dichloroethene-d2	4.01	63	40516	15.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.44%
20) 2-Butanone-d5	7.08	46	18929	45.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.12%
24) Chloroform-d	7.65	84	51377	19.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.16%
26) 1,2-Dichloroethane-d4	8.31	65	32564	20.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.60%
29) Benzene-d6	8.27	84	100625	19.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.92%
33) 1,2-Dichloropropane-d6	9.27	67	26891	19.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.52%
37) Toluene-d8	10.32	98	97130	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.20%
38) trans-1,3-Dichloropropene-	10.58	79	15408	19.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.36%
39) 2-Hexanone-d5	10.93	63	16025	45.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27557	20.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	34797	19.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.44%

Target Compounds

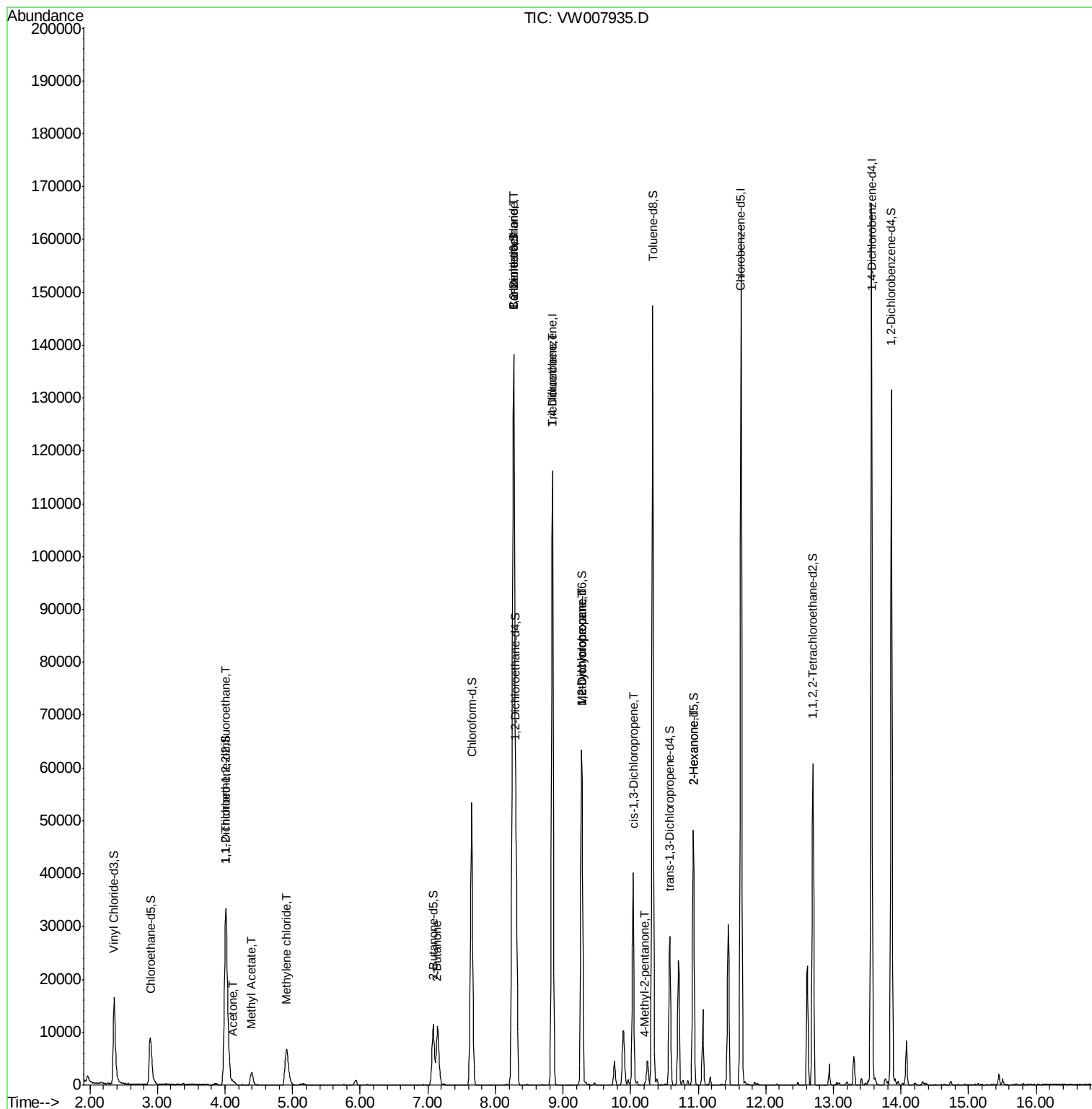
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	393	0.315	ug/L #	18
13) Acetone	4.12	43	571	1.407	ug/L	73
15) Methyl Acetate	4.39	43	1109	1.795	ug/L #	50
16) Methylene chloride	4.91	84	6481	4.052	ug/L	94
21) 2-Butanone	7.14	43	475	1.028	ug/L #	46
27) 1,2-Dichloroethane	8.27	62	664	0.390	ug/L #	80
32) Carbon tetrachloride	8.26	117	1060	0.506	ug/L #	18
35) Trichloroethene	8.84	95	3209	2.270	ug/L #	5
36) Methylcyclohexane	9.27	83	7456	3.075	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	3448	3.014	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	1062	0.532	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	548	0.605	ug/L #	87
49) 2-Hexanone	10.93	43	1993	3.051	ug/L #	67

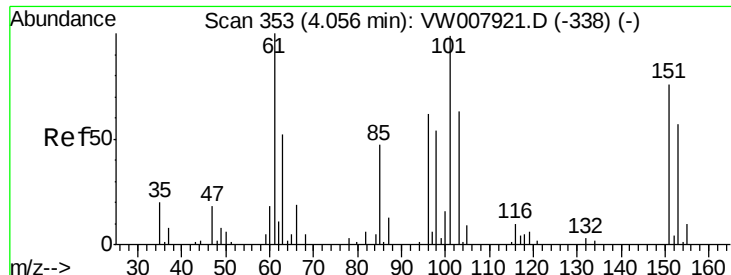
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.315 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.04 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampled :

VHBLK01

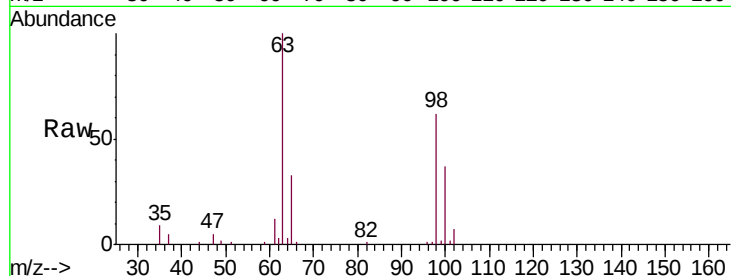
Tgt Ion: 101 Resp: 393

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

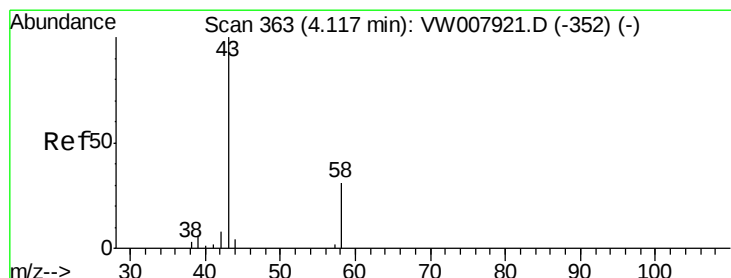
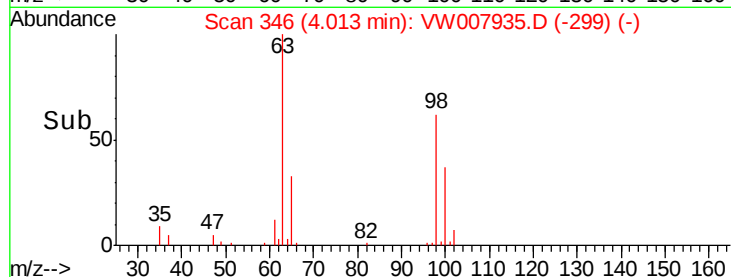
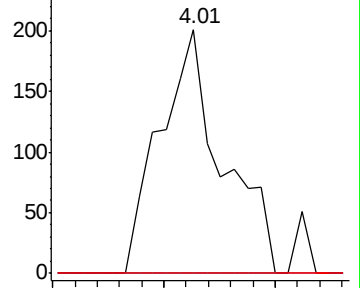
151 0.0 63.2 94.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.407 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007935.D

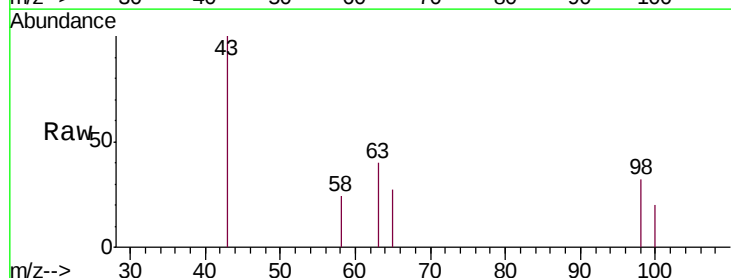
Acq: 26 Dec 2018 21:00

Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

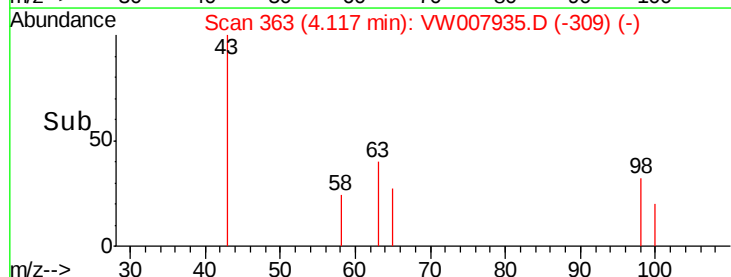
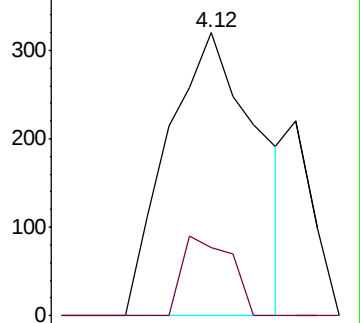
43 100

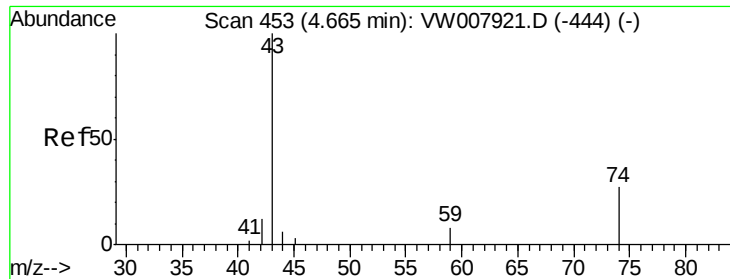
58 15.1 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

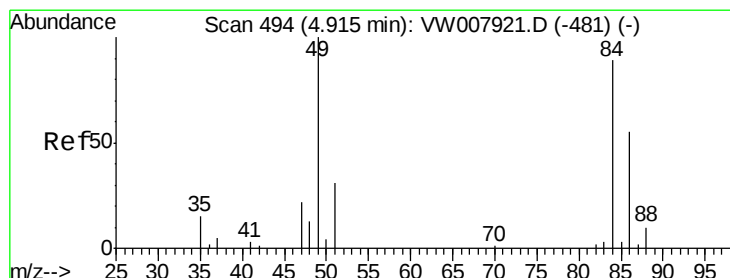
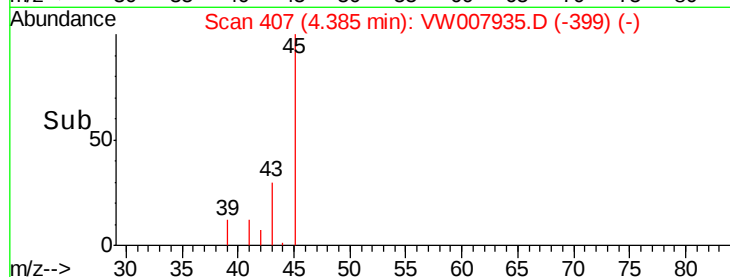
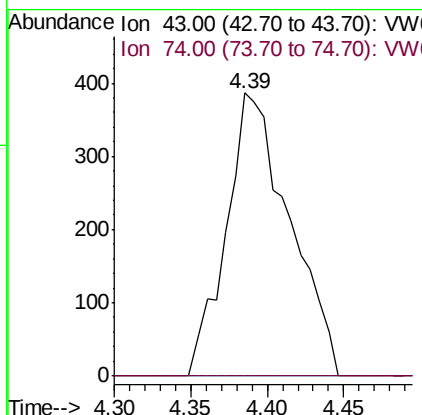
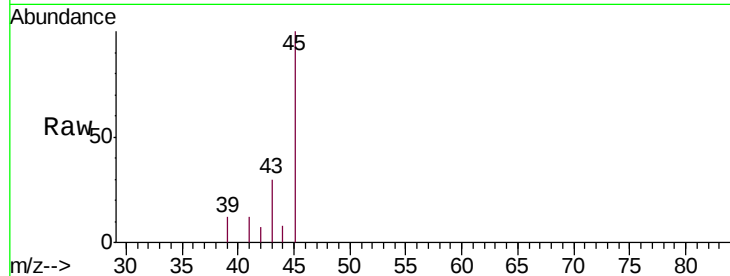




#15
Methyl Acetate
Concen: 1.795 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.28 min
Lab File: VW007935.D
Acq: 26 Dec 2018 21:00

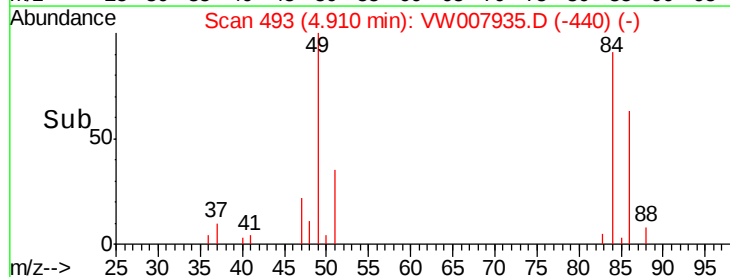
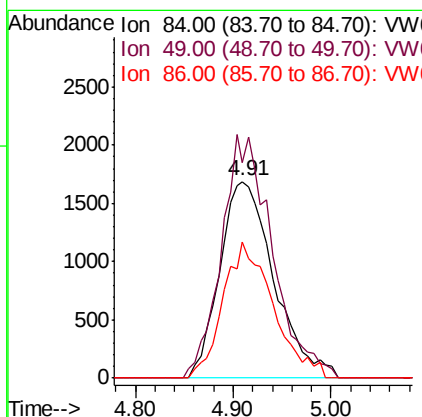
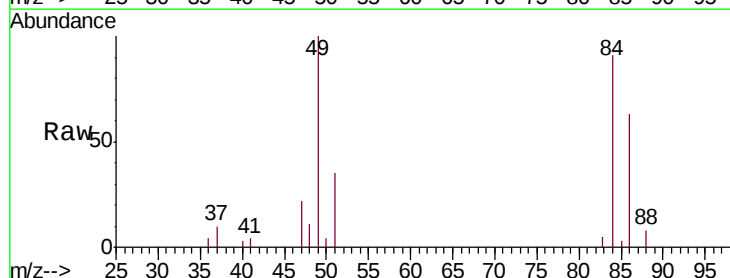
Instrument :
MSVOA_W
ClientSampleId :
VHBLK01

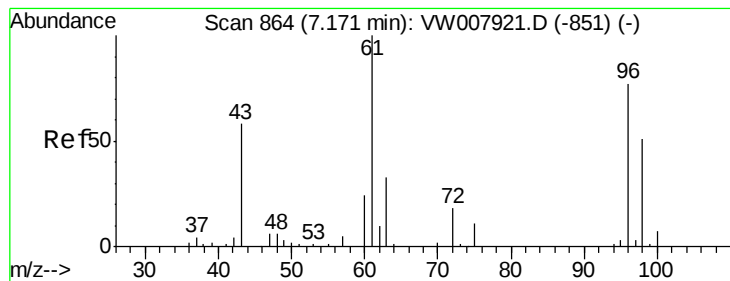
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#16
Methylene chloride
Concen: 4.052 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007935.D
Acq: 26 Dec 2018 21:00

Tgt Ion: 84 Resp: 6481
Ion Ratio Lower Upper
84 100
49 109.7 79.2 147.0
86 69.3 43.2 80.2





#21

2-Butanone

Concen: 1.028 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

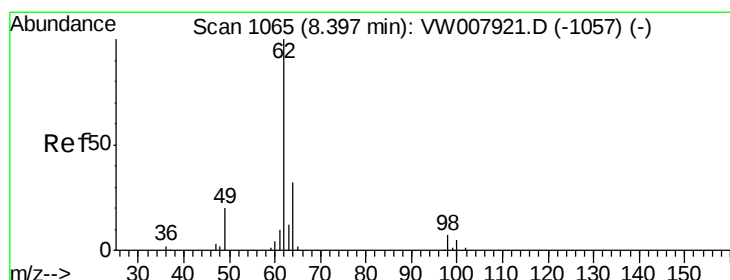
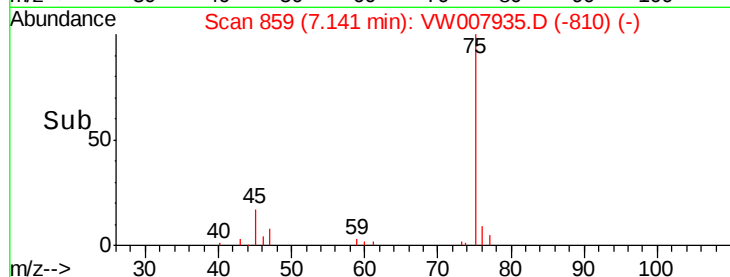
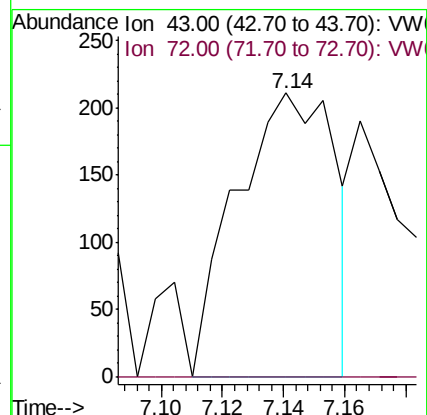
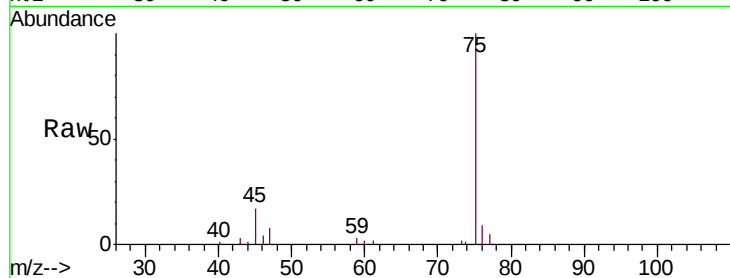
VHBLK01

Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.4#



#27

1,2-Dichloroethane

Concen: 0.390 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW007935.D

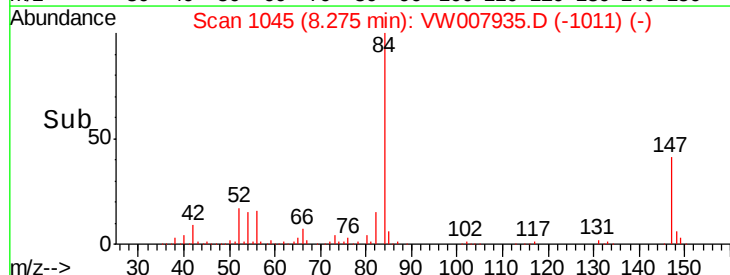
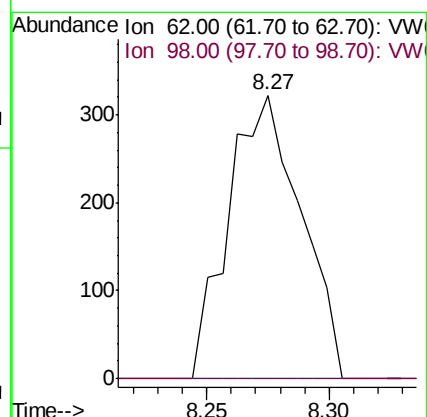
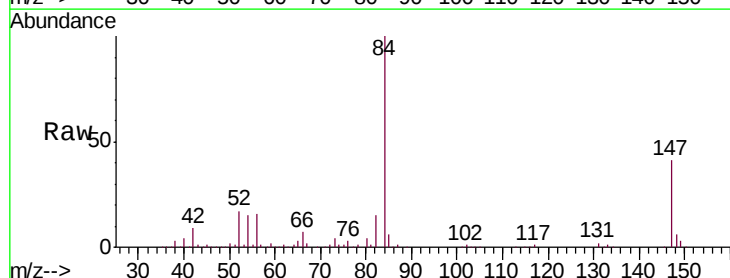
Acq: 26 Dec 2018 21:00

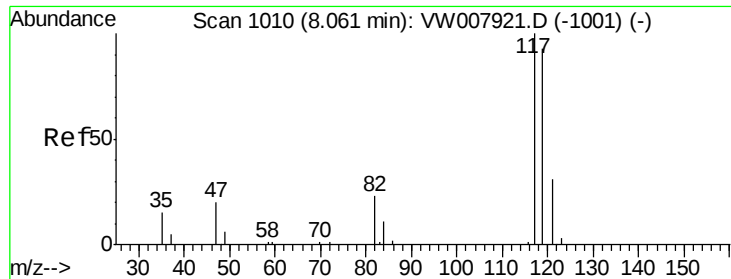
Tgt Ion: 62 Resp: 664

Ion Ratio Lower Upper

62 100

98 0.0 5.4 8.2#





#32

Carbon tetrachloride

Concen: 0.506 ug/L

RT: 8.26 min Scan# 1043

Delta R.T. 0.20 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

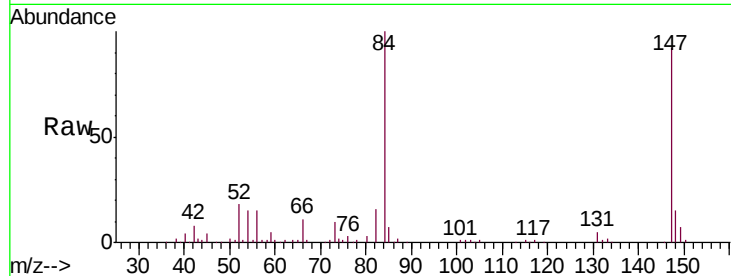
VHBLK01

Tgt Ion:117 Resp: 1060

Ion Ratio Lower Upper

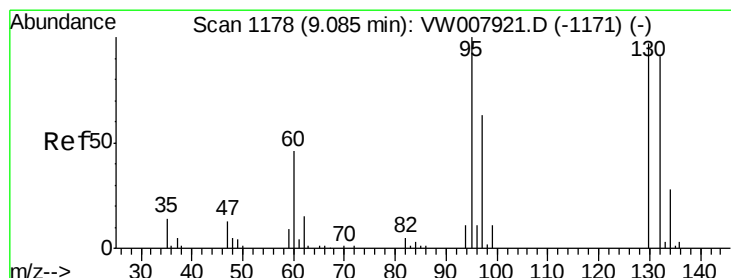
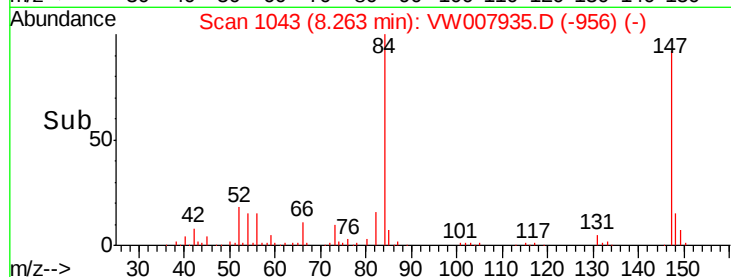
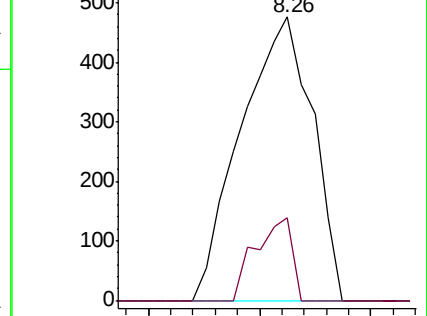
117 100

119 15.0 76.0 114.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#35

Trichloroethene

Concen: 2.270 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

Tgt Ion: 95 Resp: 3209

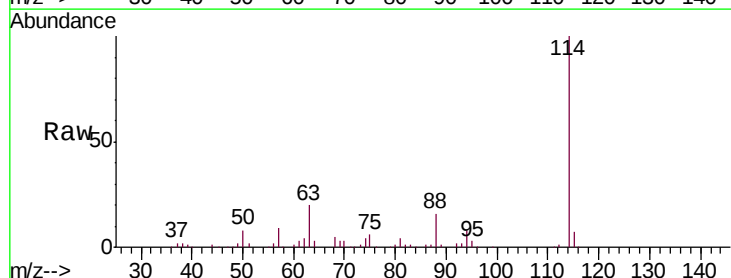
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.5#

132 0.0 67.8 126.0#

130 0.0 70.3 130.7#

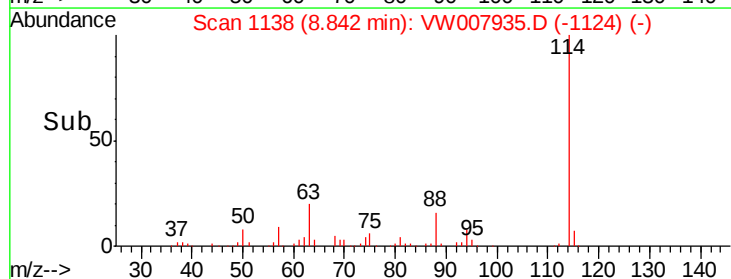
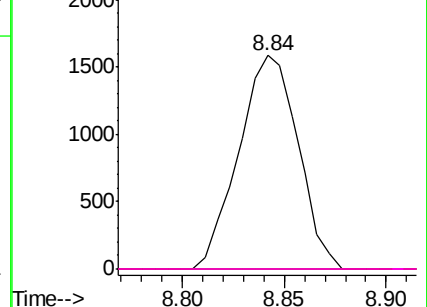


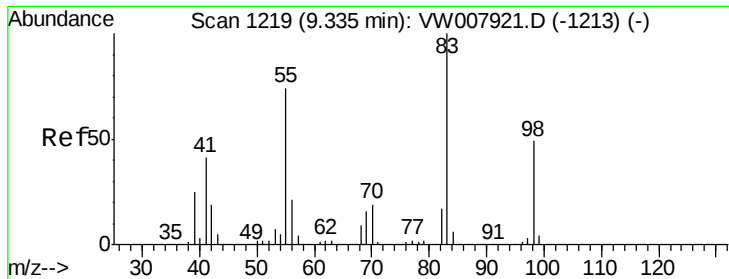
Abundance Ion 95.00 (94.70 to 95.70): VW

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

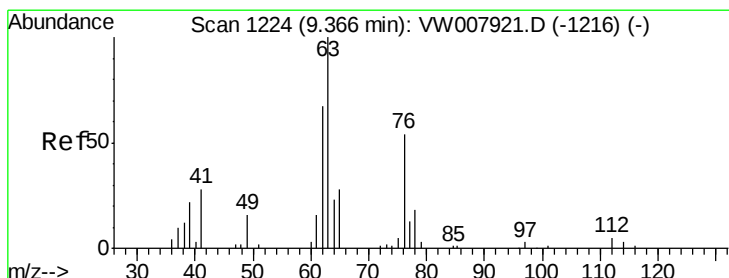
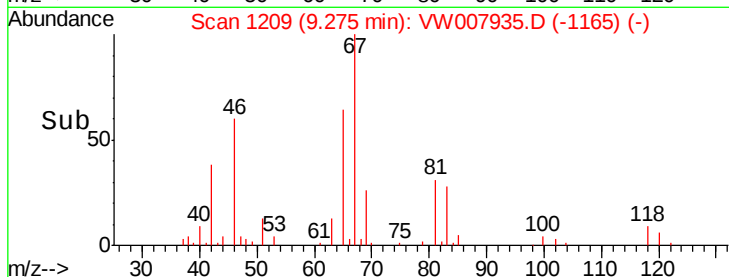
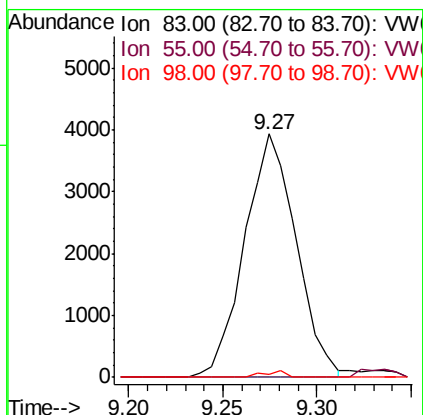
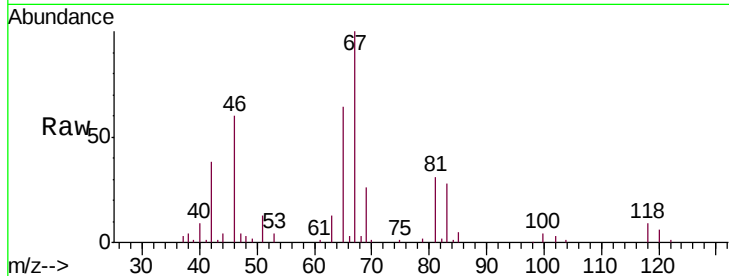




#36
Methylcyclohexane
Concen: 3.075 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW007935.D
Acq: 26 Dec 2018 21:00

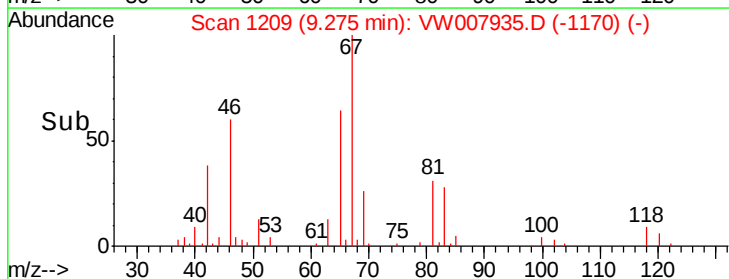
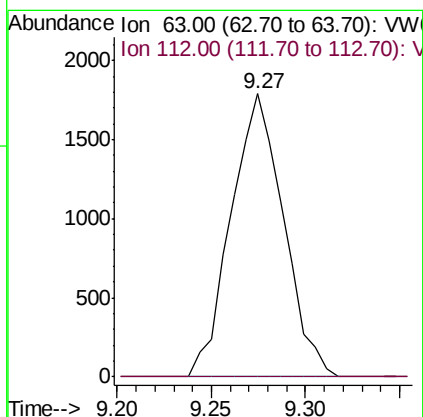
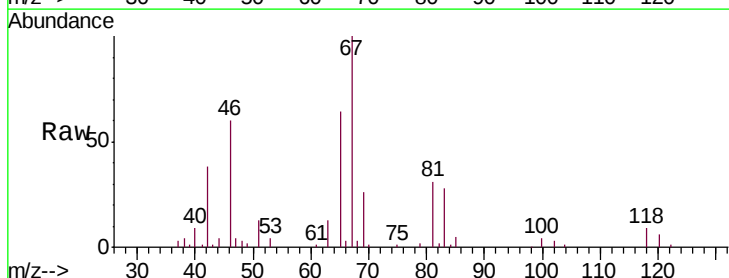
Instrument :
MSVOA_W
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VHBLK01

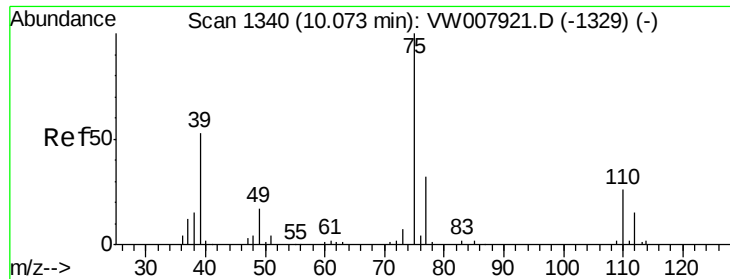
Tgt Ion: 83 Resp: 7456
Ion Ratio Lower Upper
83 100
55 2.2 59.4 89.0#
98 1.1 38.2 57.2#



#40
1,2-Dichloropropane
Concen: 3.014 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.09 min
Lab File: VW007935.D
Acq: 26 Dec 2018 21:00

Tgt Ion: 63 Resp: 3448
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#42

cis-1,3-Dichloropropene

Concen: 0.532 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

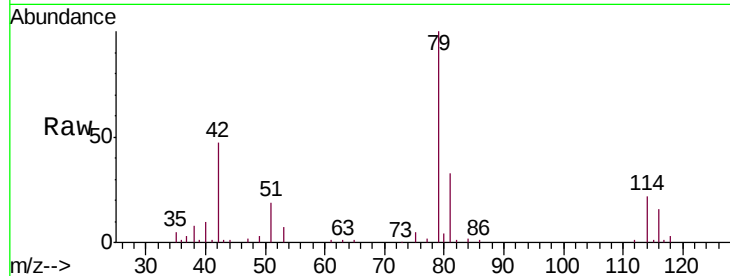
VHBLK01

Tgt Ion: 75 Resp: 1062

Ion Ratio Lower Upper

75 100

77 31.4 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

600

500

400

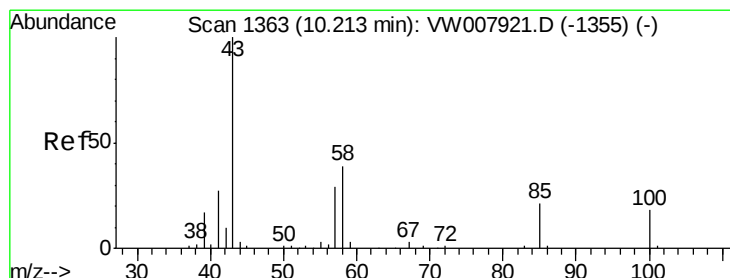
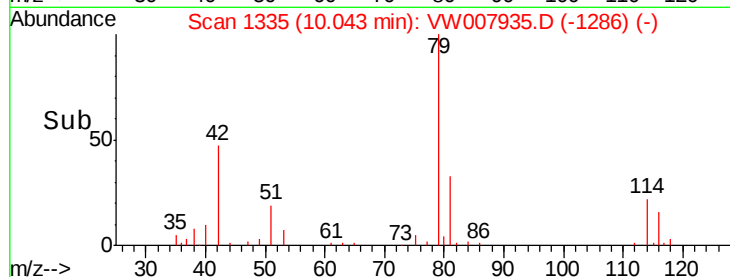
300

200

100

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 0.605 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007935.D

Acq: 26 Dec 2018 21:00

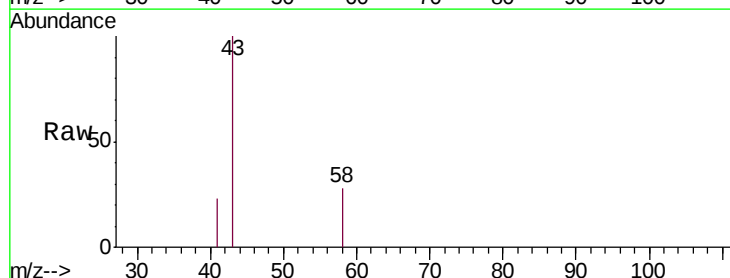
Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7

100 0.0 14.0 21.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

400

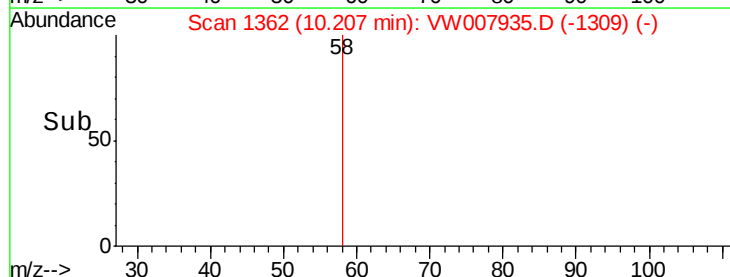
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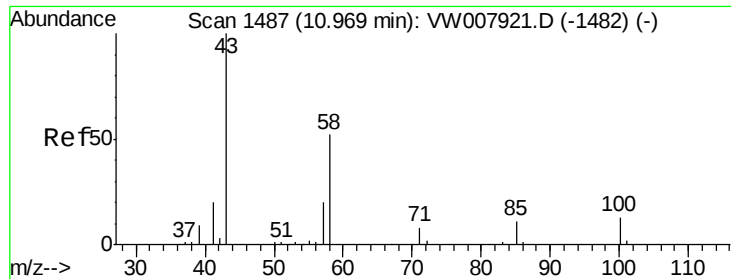
200

100

0

Time-->





#49

2-Hexanone

Concen: 3.051 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW007935.D

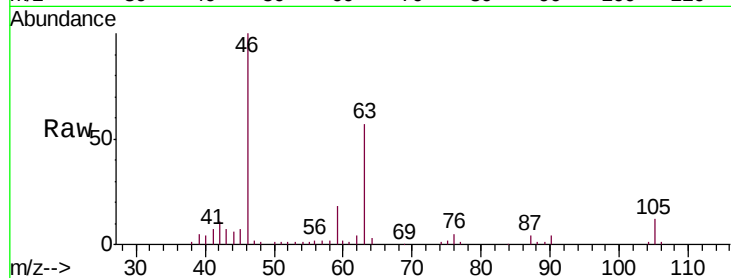
Acq: 26 Dec 2018 21:00

Instrument :

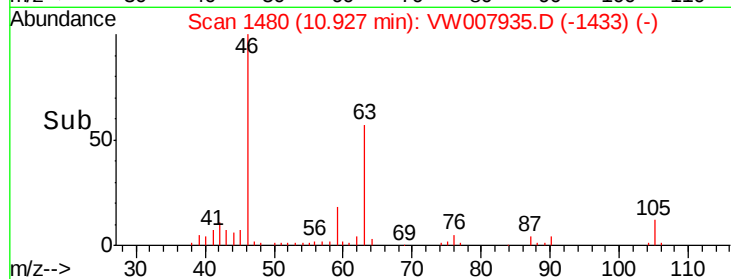
MSVOA_W

ClientSampleId :

VHBLK01



Tgt Ion:	43	Resp:	1993
Ion	Ratio	Lower	Upper
43	100		
58	25.8	46.2	69.4#
57	24.9	17.9	26.9
100	0.0	11.4	17.2#



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

