

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071919\
 Data File : VW011383.D
 Acq On : 19 Jul 2019 17:36
 Operator : SY/VA
 Sample : K3863-15
 Misc : 5.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A52F5

Quant Time: Jul 20 02:07:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 20 00:46:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	304337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	247183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	89831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	52559	11.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.24%
7) Chloroethane-d5	2.89	69	60016	18.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.64%
10) 1,1-Dichloroethene-d2	4.01	63	118880	12.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.32%
20) 2-Butanone-d5	7.07	46	99784	54.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.02%
24) Chloroform-d	7.65	84	181137	21.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.84%
26) 1,2-Dichloroethane-d4	8.31	65	117948	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.84%
29) Benzene-d6	8.27	84	346021	22.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.88%
33) 1,2-Dichloropropane-d6	9.27	67	126071	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	10.32	98	277918	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.92%
38) trans-1,3-Dichloropropene-	10.58	79	46906	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.00%
39) 2-Hexanone-d5	10.93	63	66304	58.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102290	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	72436	21.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.04%

Target Compounds

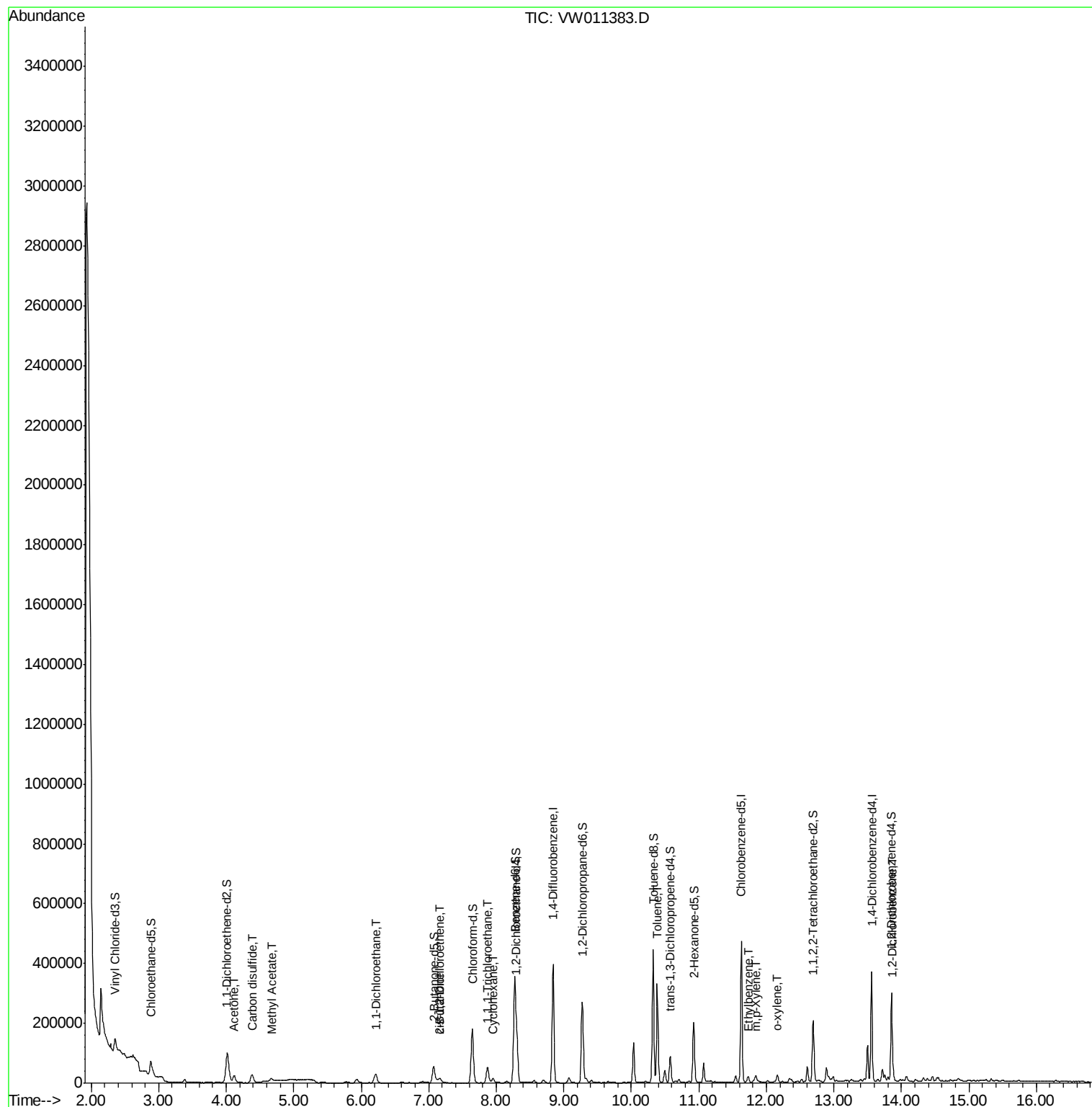
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	39022	21.824	ug/L	96
14) Carbon disulfide	4.39	76	60601	5.297	ug/L	97
15) Methyl Acetate	4.67	43	16634	5.717	ug/L	97
19) 1,1-Dichloroethane	6.21	63	41905	5.108	ug/L	99
21) 2-Butanone	7.17	43	6610	2.864	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	5169	1.182	ug/L	87
30) Cyclohexane	7.96	56	7744	1.030	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	40683	7.930	ug/L	98
44) Toluene	10.38	91	236403	14.784	ug/L	100
53) Ethylbenzene	11.73	91	12494	0.689	ug/L	92
54) m,p-Xylene	11.85	106	4201	0.638	ug/L	84
55) o-xylene	12.16	106	5808	0.927	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	5661	1.100	ug/L	94

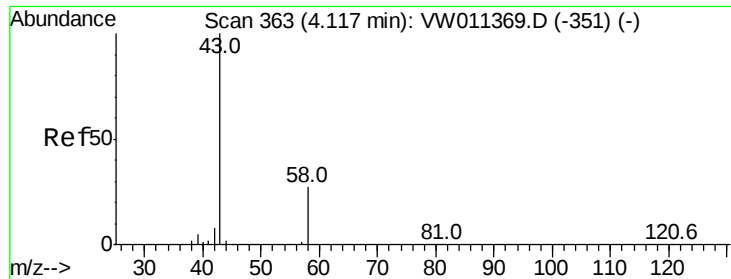
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 21.824 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

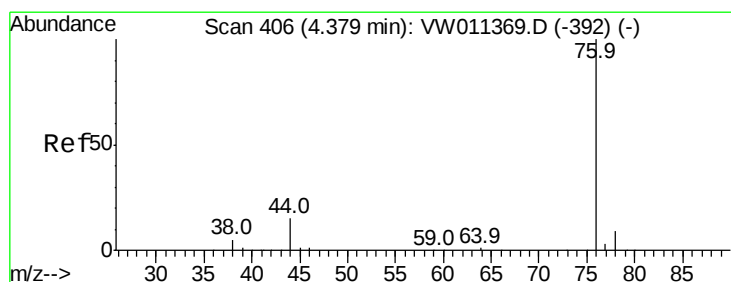
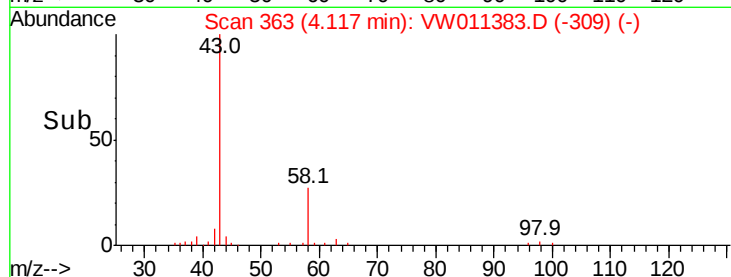
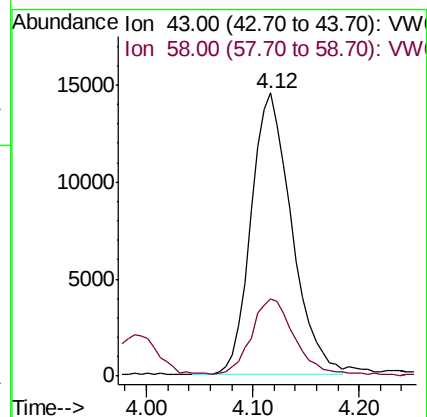
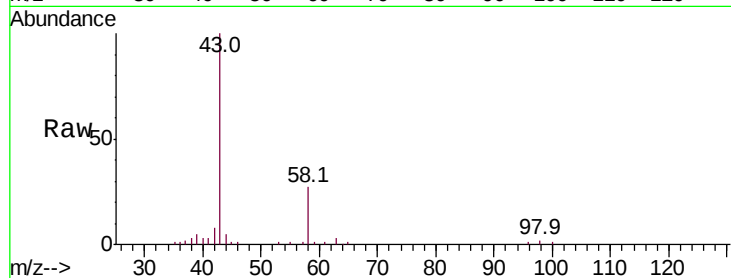
A52F5

Tot Ion: 43 Resp: 39022

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.0



#14

Carbon disulfide

Concen: 5.297 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011383.D

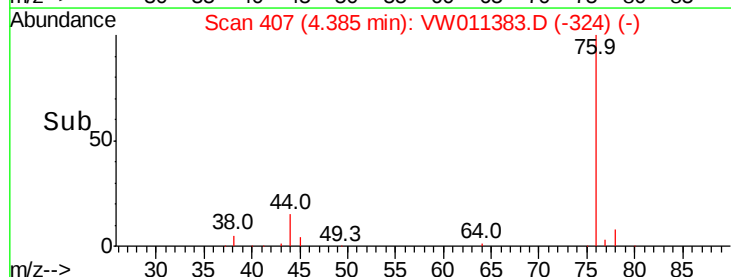
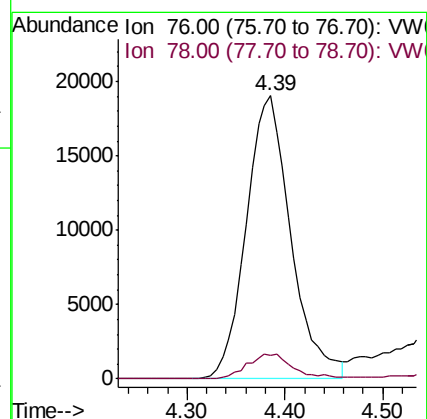
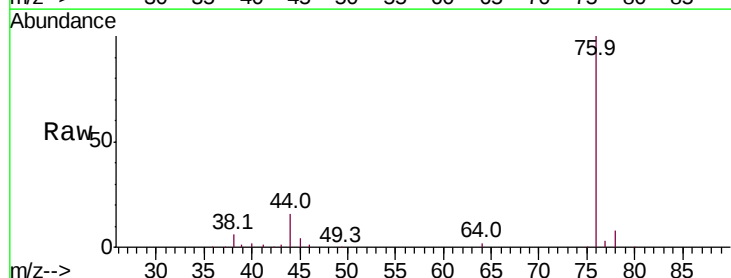
Acq: 19 Jul 2019 17:36

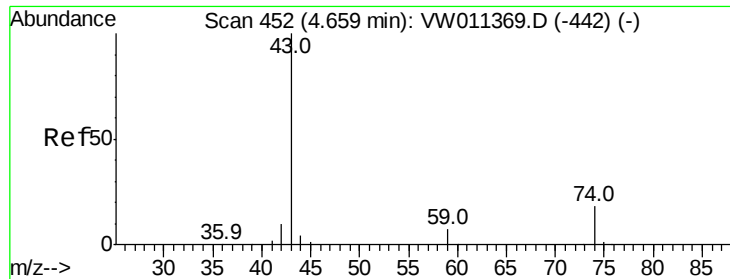
Tgt Ion: 76 Resp: 60601

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9

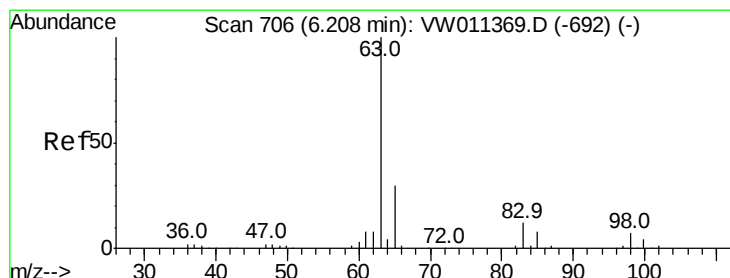
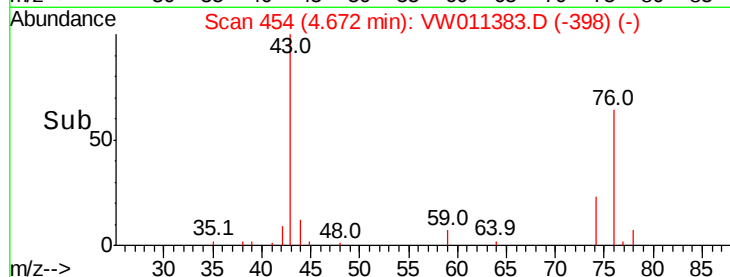
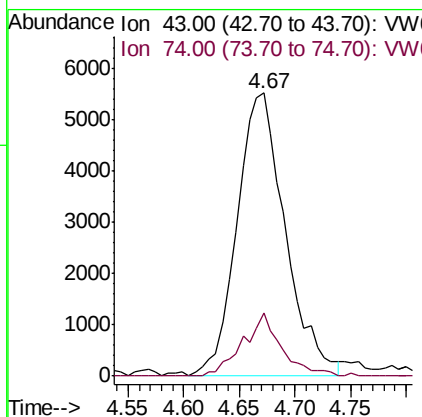
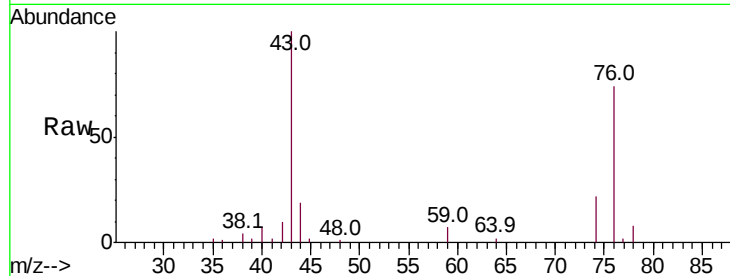




#15
Methyl Acetate
Concen: 5.717 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

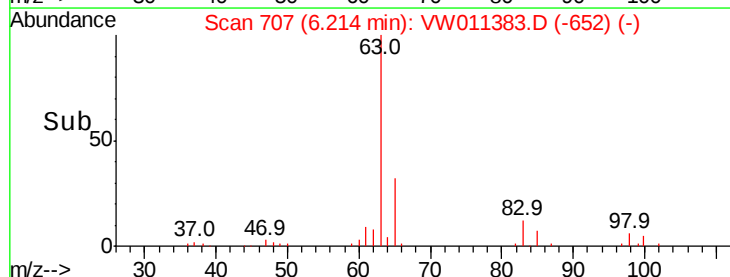
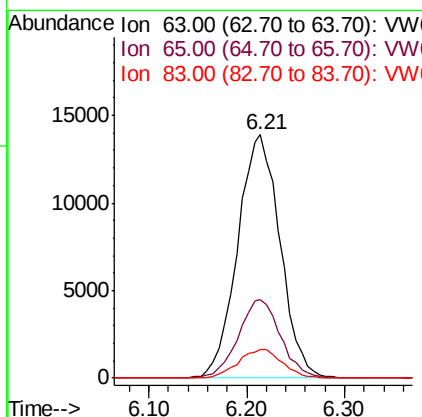
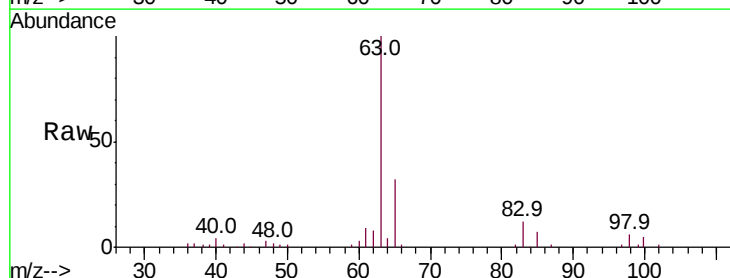
Instrument :
MSVOA_W
ClientSampled :
A52F5

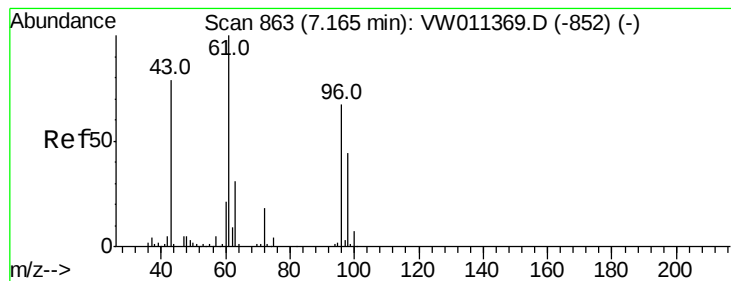
Tot Ion: 43 Resp: 16634
Ion Ratio Lower Upper
43 100
74 17.6 15.1 22.7



#19
1,1-Dichloroethane
Concen: 5.108 ug/L
RT: 6.21 min Scan# 707
Delta R.T. 0.01 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

Tgt Ion: 63 Resp: 41905
Ion Ratio Lower Upper
63 100
65 32.2 22.1 41.1
83 11.9 9.0 16.6





#21

2-Butanone

Concen: 2.864 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampled :

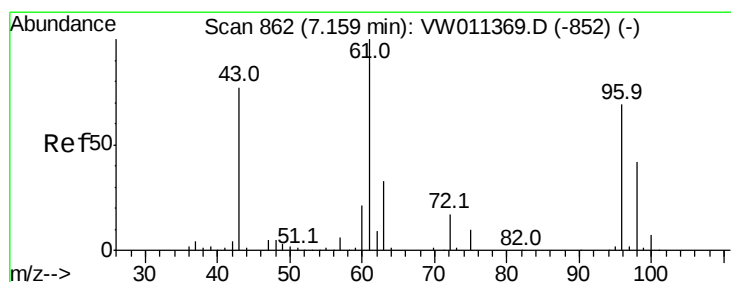
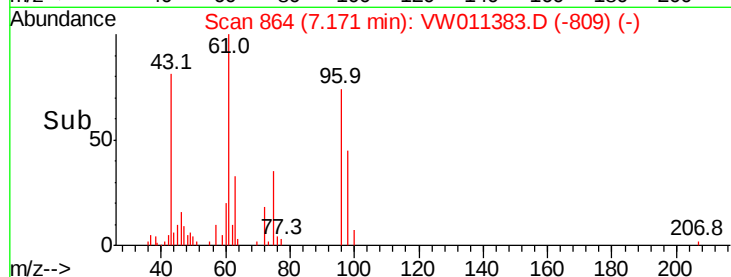
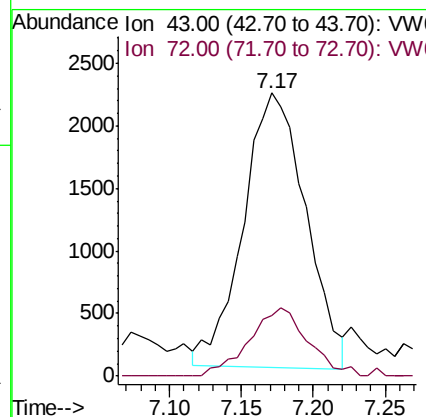
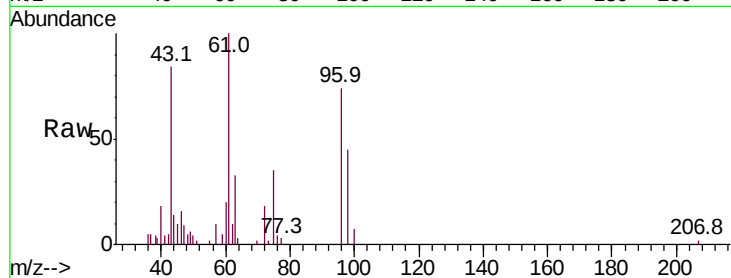
A52F5

Tot Ion: 43 Resp: 6610

Ion Ratio Lower Upper

43 100

72 23.0 11.2 33.6



#22

cis-1,2-Dichloroethene

Concen: 1.182 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

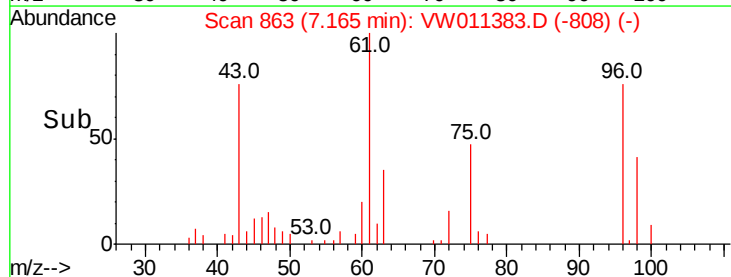
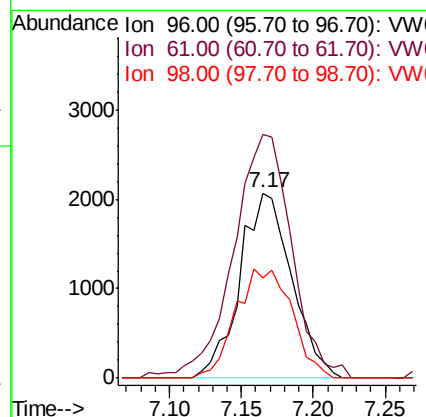
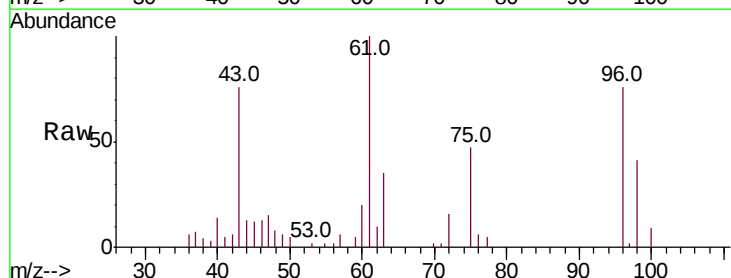
Tgt Ion: 96 Resp: 5169

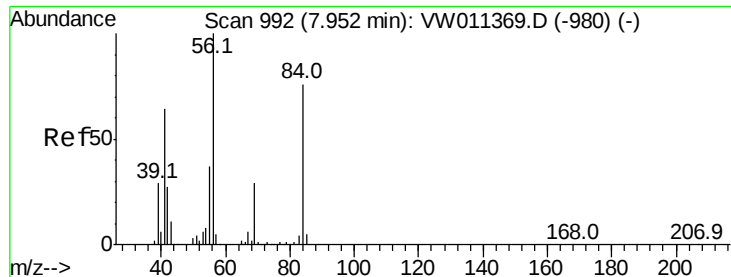
Ion Ratio Lower Upper

96 100

61 131.6 103.2 191.6

98 54.2 44.8 83.2

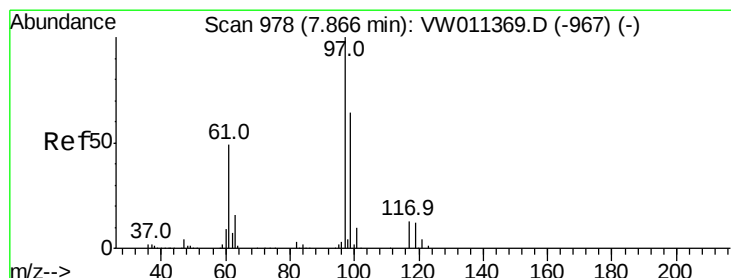
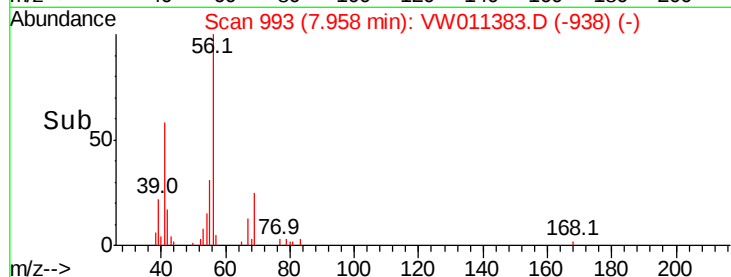
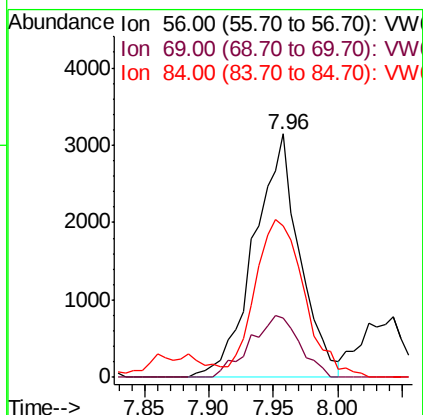
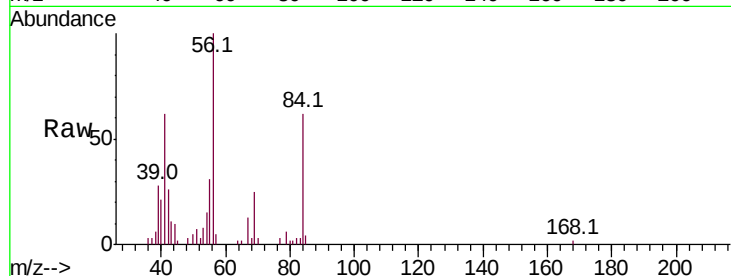




#30
Cyclohexane
Concen: 1.030 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

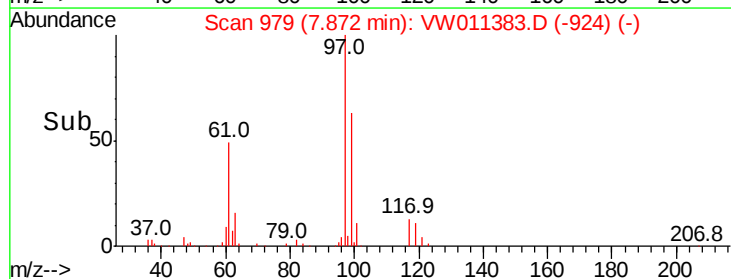
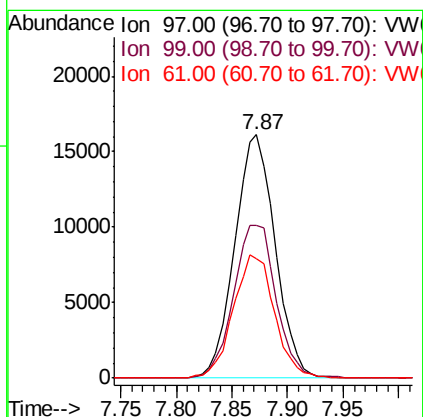
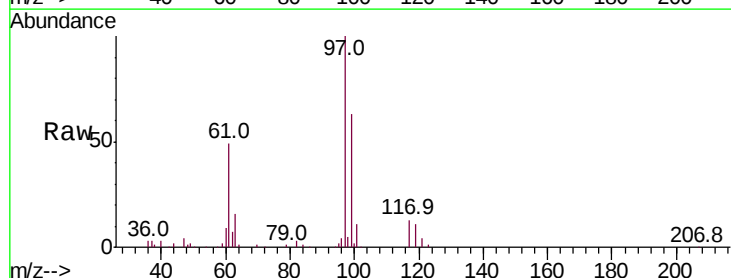
Instrument :
MSVOA_W
ClientSampleId :
A52F5

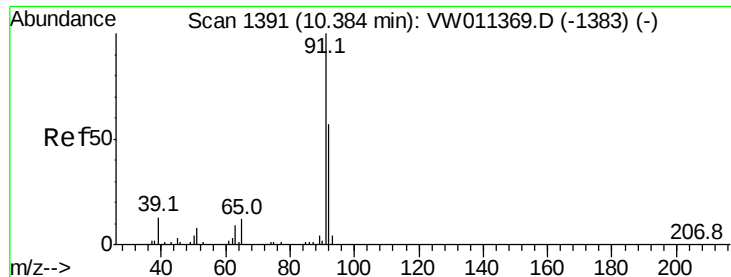
Tot Ion: 56 Resp: 7744
Ion Ratio Lower Upper
56 100
69 24.9 22.5 33.7
84 70.0 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 7.930 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW011383.D
Acq: 19 Jul 2019 17:36

Tgt Ion: 97 Resp: 40683
Ion Ratio Lower Upper
97 100
99 65.8 50.6 75.8
61 51.6 40.9 61.3





#44

Toluene

Concen: 14.784 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

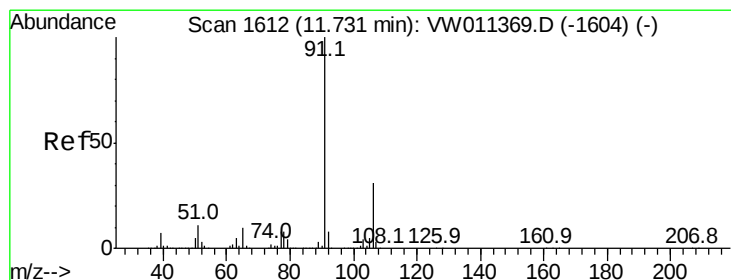
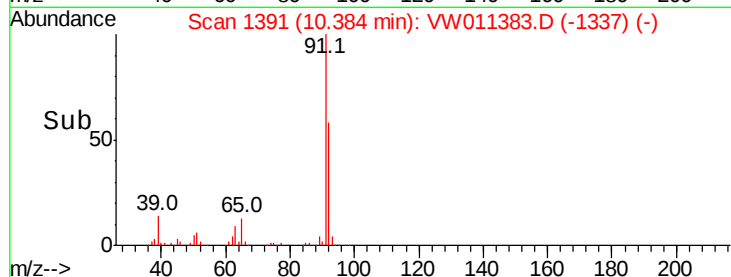
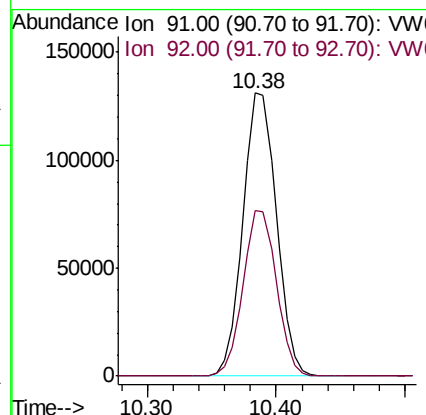
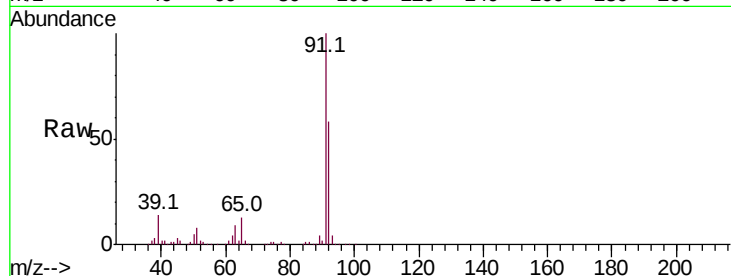
A52F5

Tot Ion: 91 Resp: 236403

Ion Ratio Lower Upper

91 100

92 58.5 40.8 75.8



#53

Ethylbenzene

Concen: 0.689 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011383.D

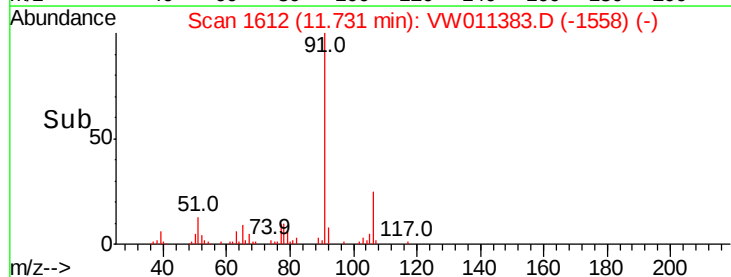
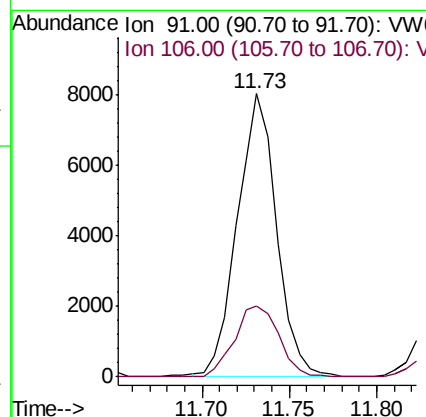
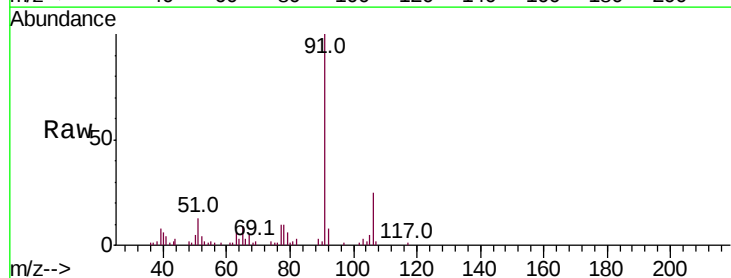
Acq: 19 Jul 2019 17:36

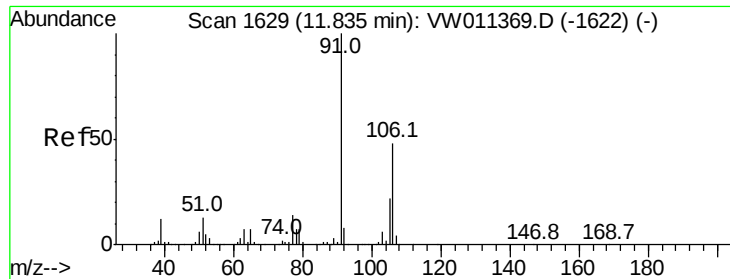
Tgt Ion: 91 Resp: 12494

Ion Ratio Lower Upper

91 100

106 25.2 20.6 38.4





#54

m,p-Xylene

Concen: 0.638 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

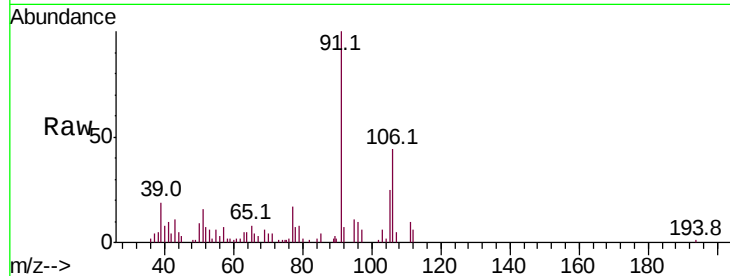
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Tot Ion:106 Resp: 4201

Ion Ratio Lower Upper

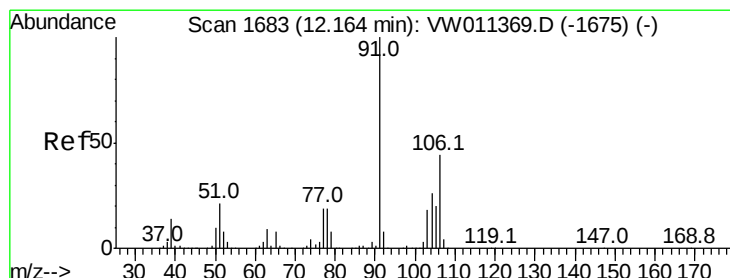
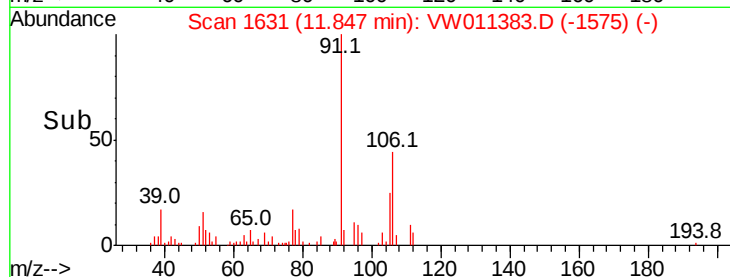
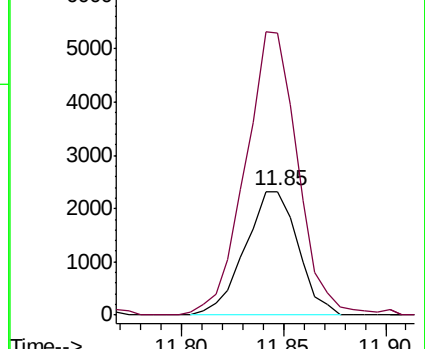
106 100

91 228.5 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.927 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW011383.D

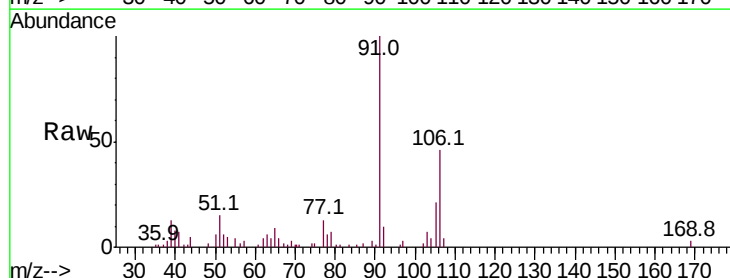
Acq: 19 Jul 2019 17:36

Tgt Ion:106 Resp: 5808

Ion Ratio Lower Upper

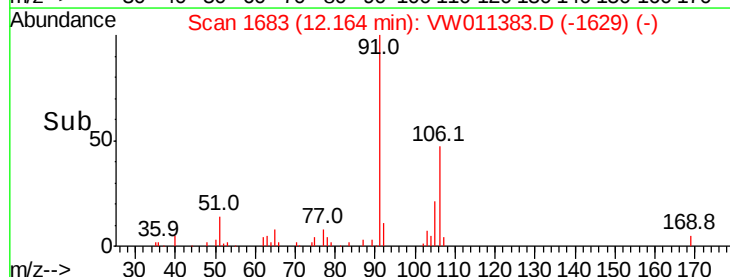
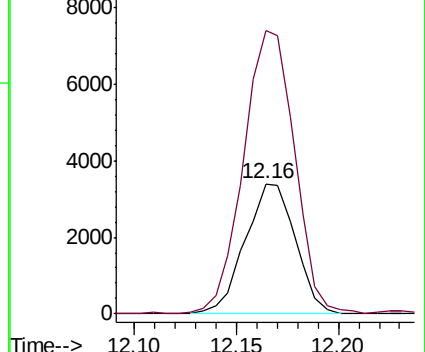
106 100

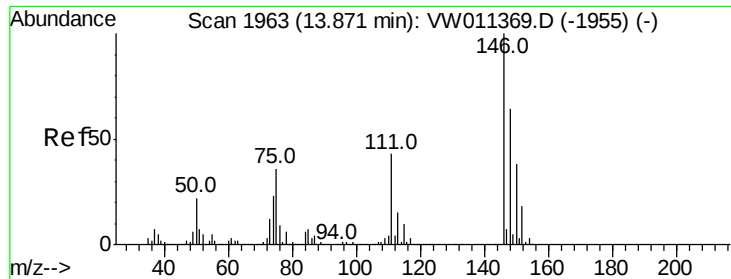
91 217.7 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#65

1,2-Dichlorobenzene

Concen: 1.100 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011383.D

Acq: 19 Jul 2019 17:36

Instrument :

MSVOA_W

ClientSampleId :

A52F5

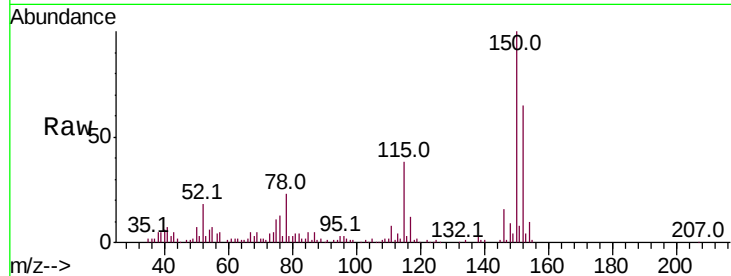
Tot Ion:146 Resp: 5661

Ion Ratio Lower Upper

146 100

111 47.9 34.1 51.1

148 60.3 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

