

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051968.D
 Acq On : 23 Oct 2018 17:46
 Operator : MD\SY
 Sample : VN1023WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 07:29:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	154987	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	890453	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	753517	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	289321	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	296545	27.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.97%
63) Toluene-d8	10.09	98	984511	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

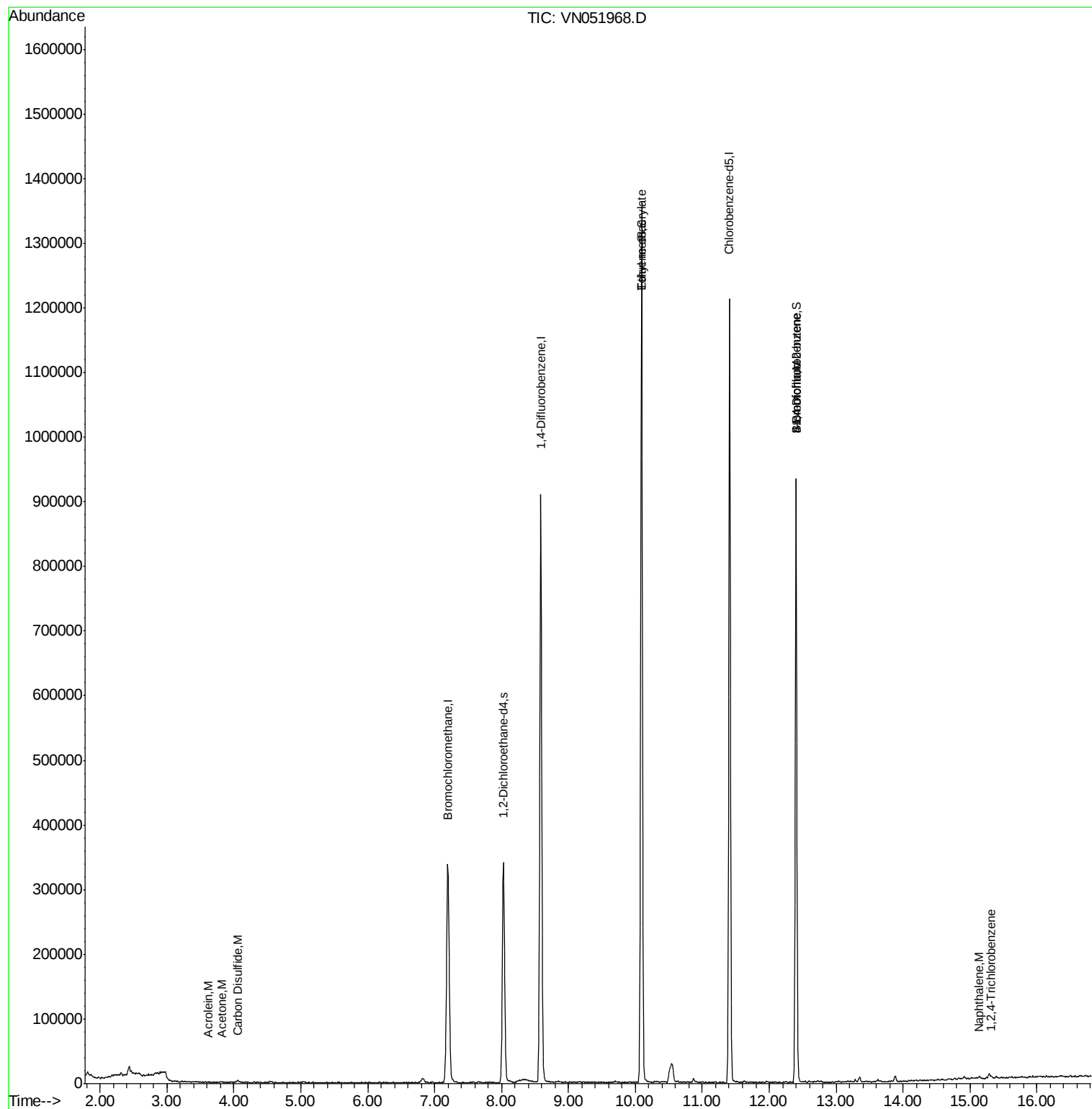
					Ovalue
13) Acrolein	3.61	56	230	0.788 ug/l	100
15) Acetone	3.82	58	228	0.466 ug/l #	1
16) Carbon Disulfide	4.06	76	4400	0.235 ug/l	99
51) Ethyl methacrylate	10.09	69	2941	0.313 ug/l	82
56) Bromoform	12.40	173	2840	0.425 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	145684	64.302 ug/l #	12
89) 1,2,4-Trichlorobenzene	15.31	180	905	7.801 ug/l	85
91) Naphthalene	15.13	128	2618	8.637 ug/l #	76

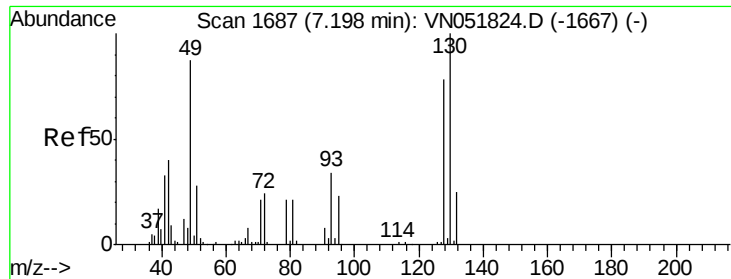
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

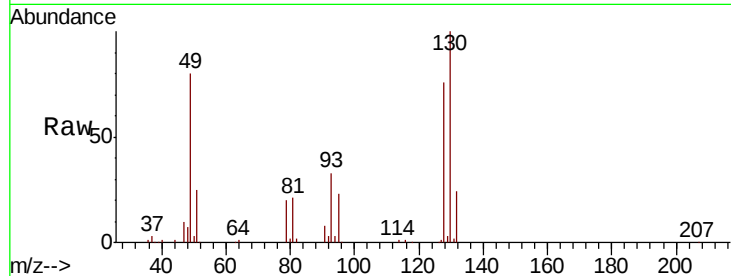




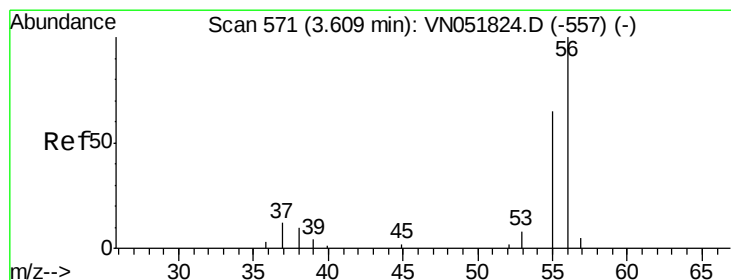
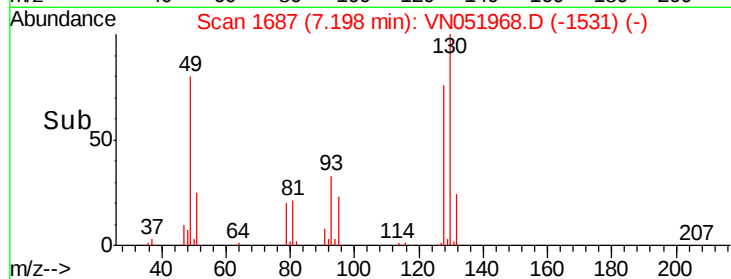
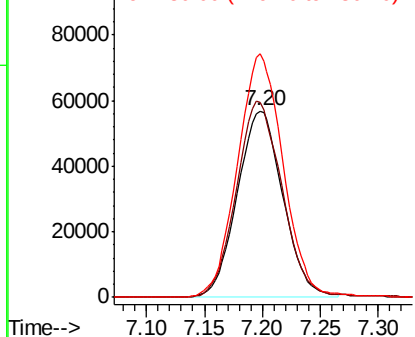
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051968.D
Acq: 23 Oct 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 154987
Ion Ratio Lower Upper
128 100
49 106.0 0.0 403.3
130 131.1 0.0 326.0

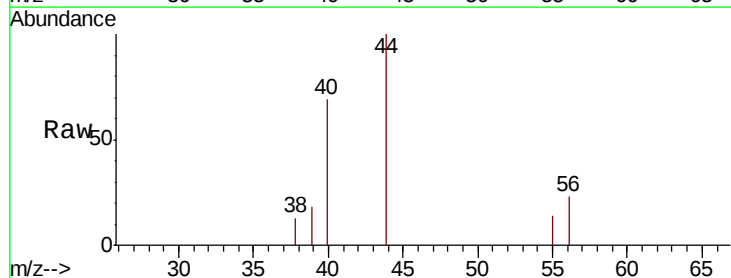


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

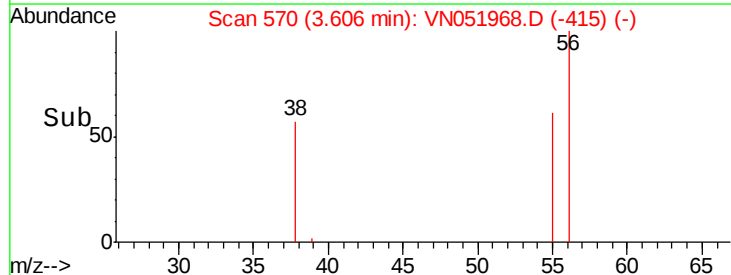
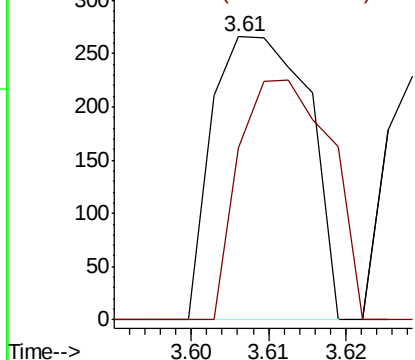


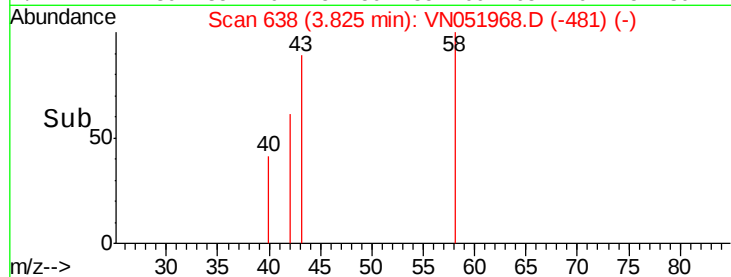
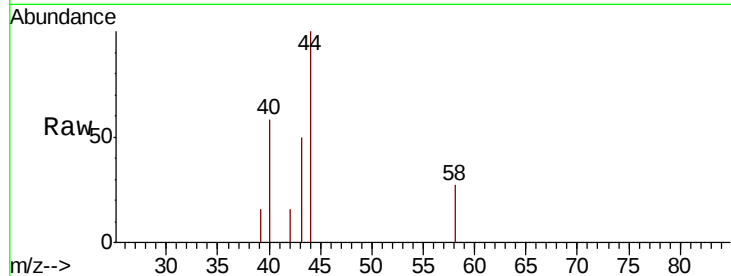
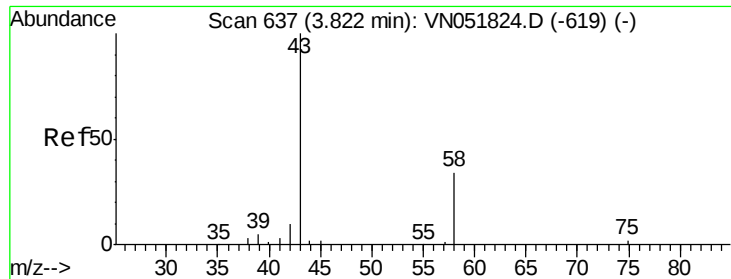
#13
Acrolein
Concen: 0.788 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051968.D
Acq: 23 Oct 2018 17:46

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 80.4 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN





#15

Acetone

Concen: 0.466 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

Instrument :

MSVOA_N

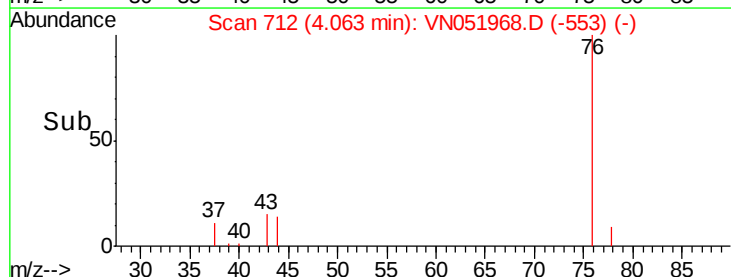
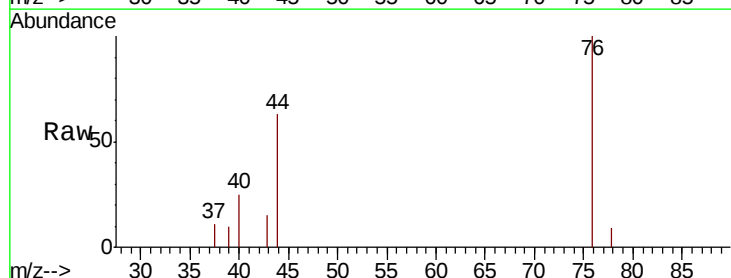
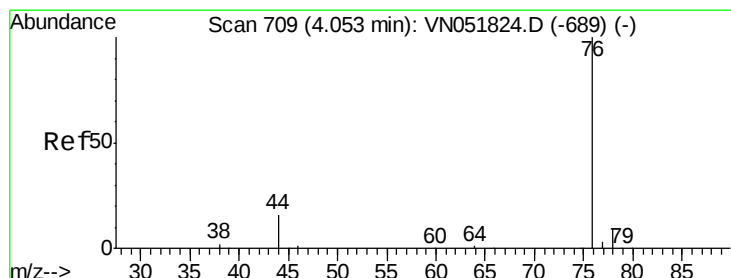
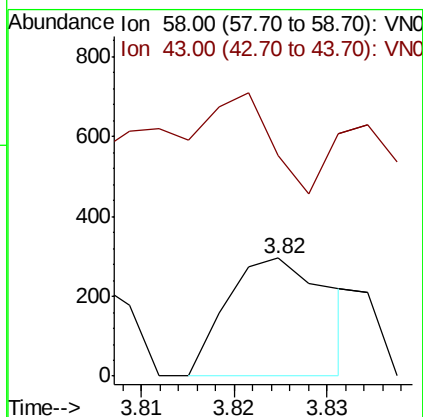
ClientSampled :

Tot Ion: 58 Resp: 228

Ion Ratio Lower Upper

58 100

43 0.0 232.2 348.2#



#16

Carbon Disulfide

Concen: 0.235 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN051968.D

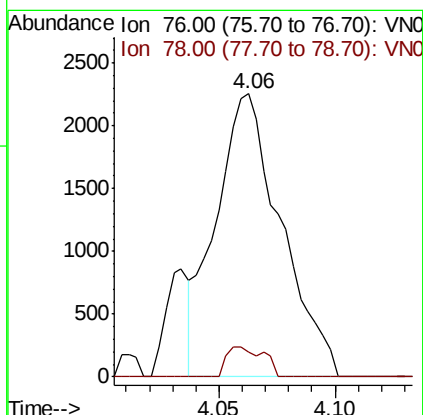
Acq: 23 Oct 2018 17:46

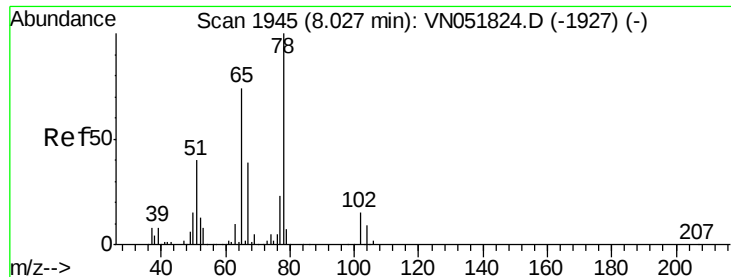
Tgt Ion: 76 Resp: 4400

Ion Ratio Lower Upper

76 100

78 8.6 6.7 10.1





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

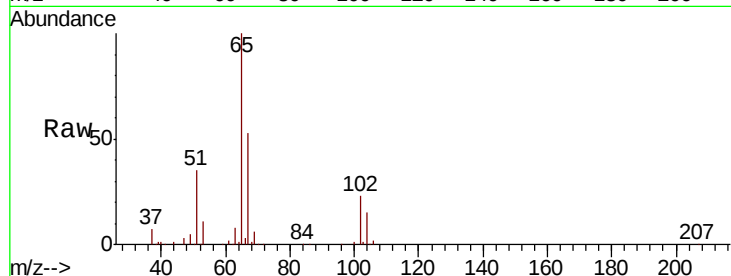
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 289321

Ion Ratio Lower Upper

65 100

67 50.8 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

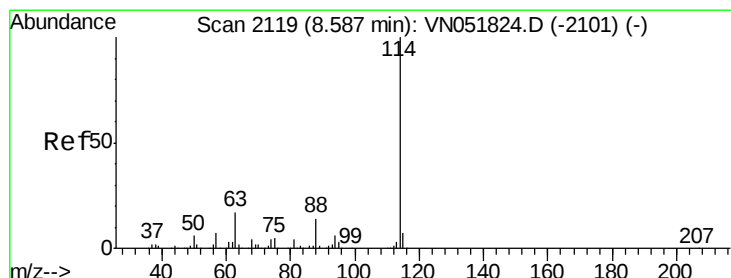
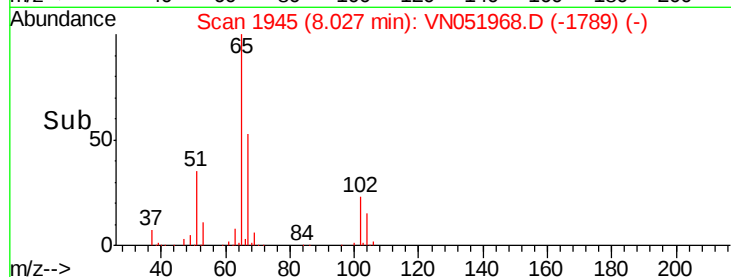
8.03

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

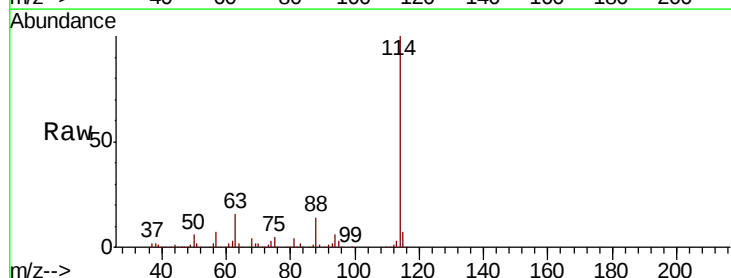
Tgt Ion: 114 Resp: 890453

Ion Ratio Lower Upper

114 100

63 16.2 16.2 24.2

88 13.7 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

8.59

500000

400000

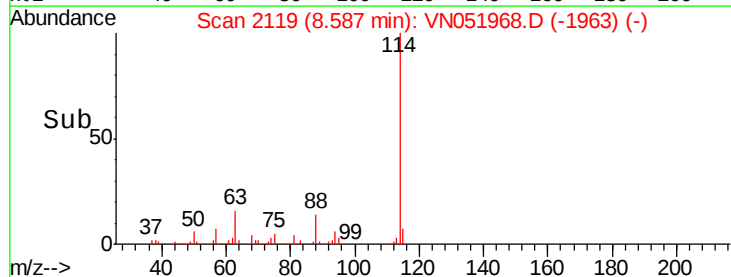
300000

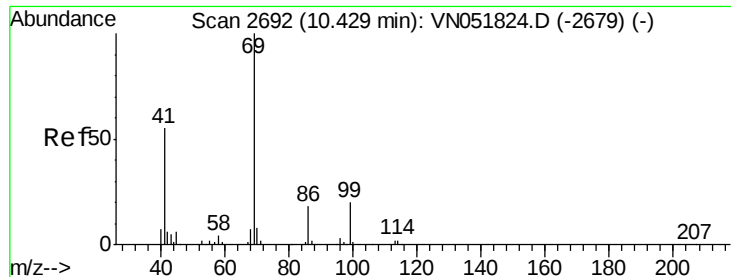
200000

100000

0

Time-->





#51

Ethyl methacrylate

Concen: 0.313 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

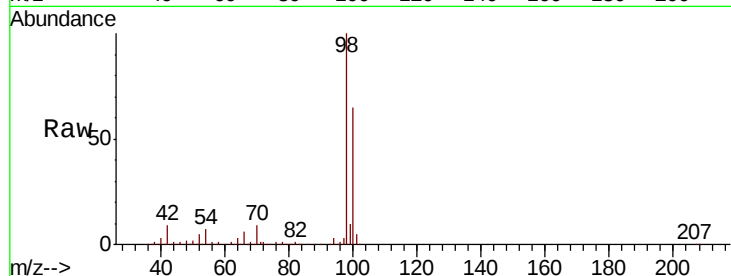
Tot Ion: 69 Resp: 2941

Ion Ratio Lower Upper

69 100

41 56.1 34.4 103.1

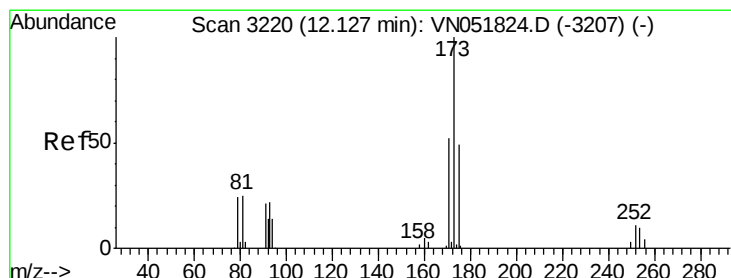
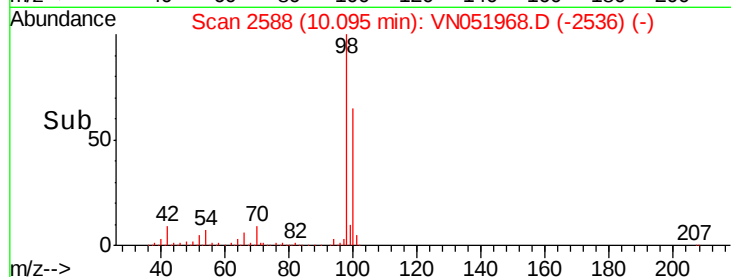
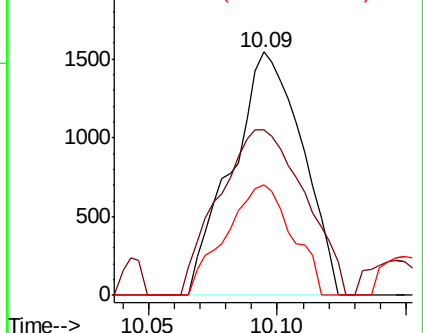
39 45.5 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN051968.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN051968.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN051968.D (-2536) (-)



#56

Bromoform

Concen: 0.425 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

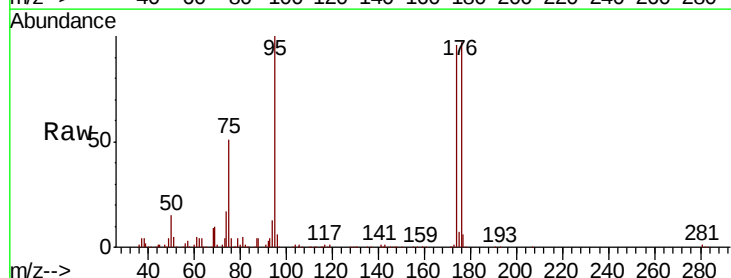
Tgt Ion: 173 Resp: 2840

Ion Ratio Lower Upper

173 100

175 747.5 35.8 53.8#

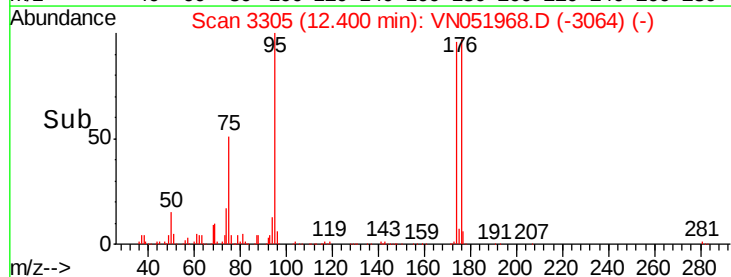
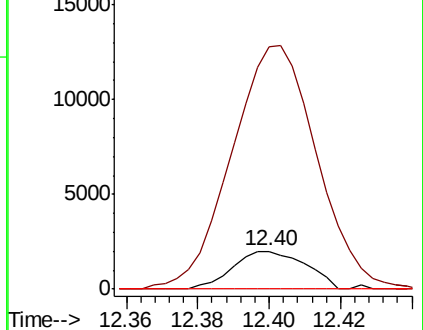
254 0.0 8.6 13.0#

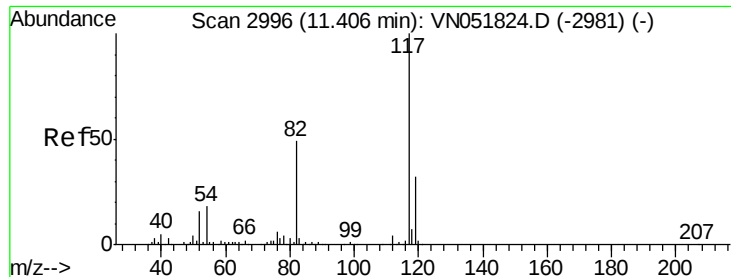


Abundance Ion 173.00 (172.70 to 173.70): VN051968.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN051968.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN051968.D (-3064) (-)

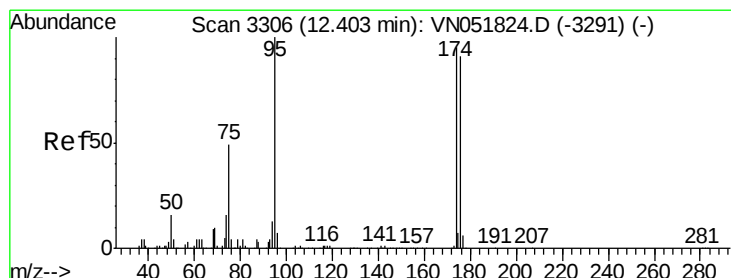
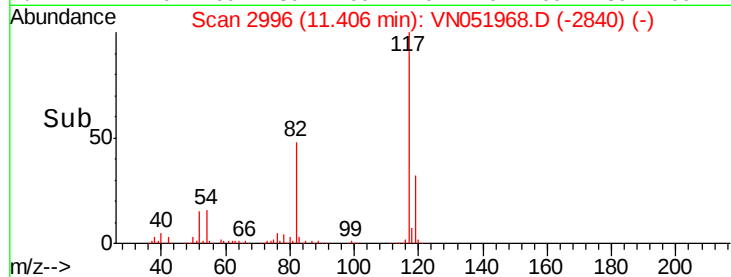
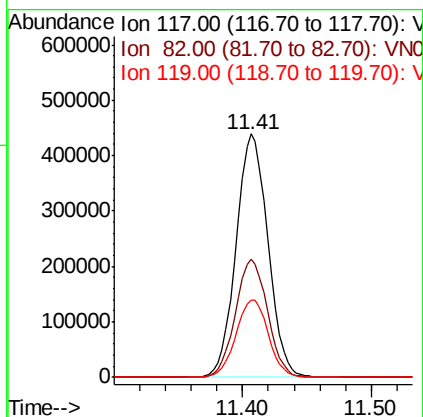
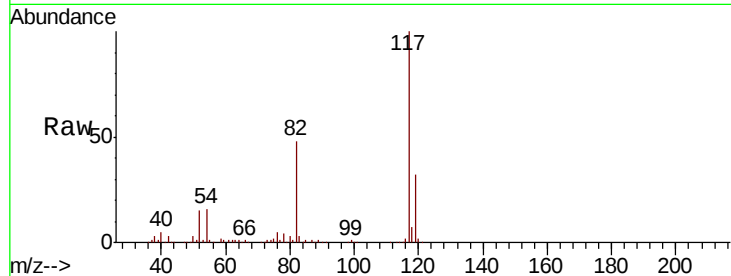




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051968.D
Acq: 23 Oct 2018 17:46

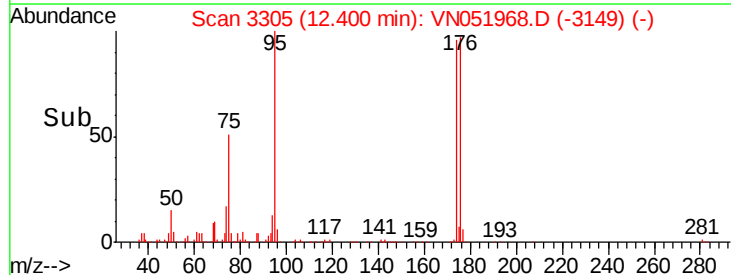
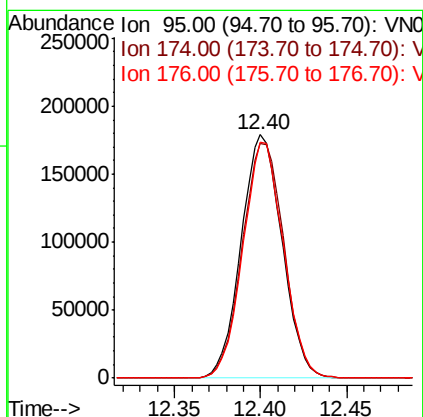
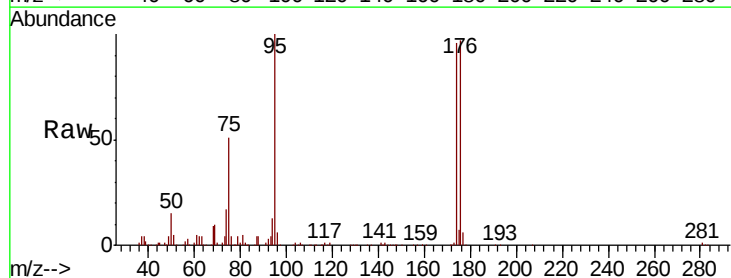
Instrument :
MSVOA_N
ClientSampled :

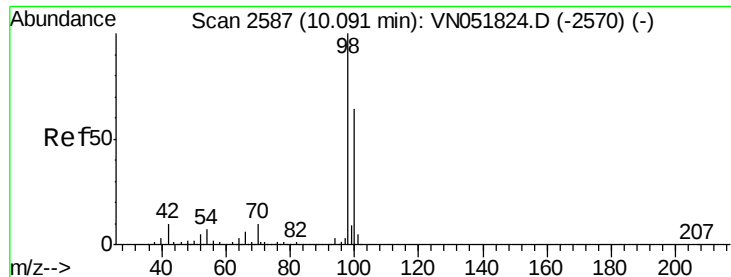
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.8	44.1	66.1
119	32.3	25.8	38.8



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051968.D
Acq: 23 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.9	73.5	110.3
176	95.6	70.2	105.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

Instrument :

MSVOA_N

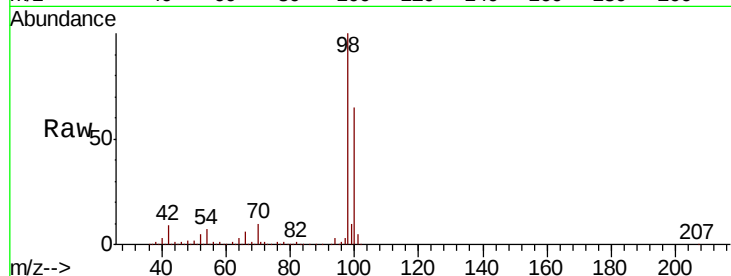
ClientSampleId :

Tot Ion: 98 Resp: 984511

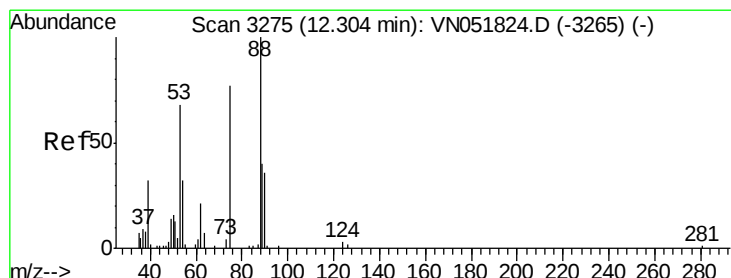
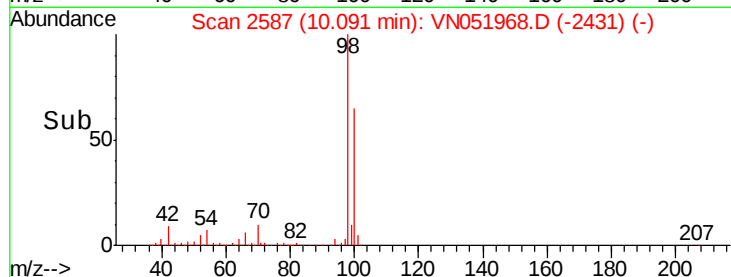
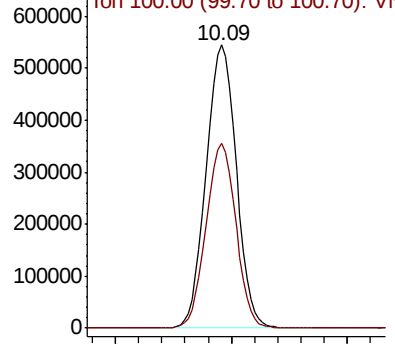
Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)



#77

t-1,4-Dichloro-2-butene

Concen: 64.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051968.D

Acq: 23 Oct 2018 17:46

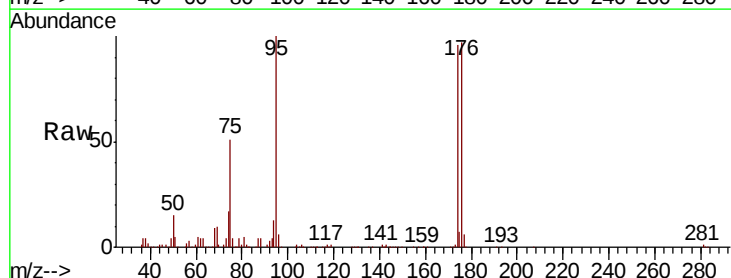
Tgt Ion: 75 Resp: 145684

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

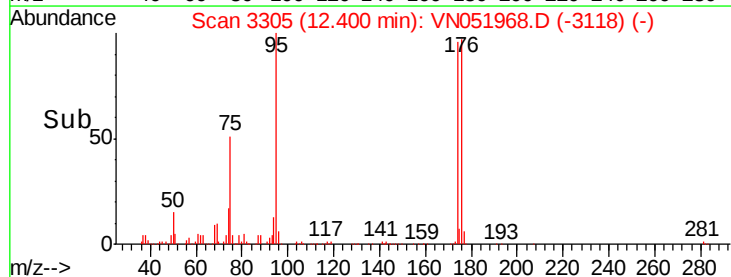
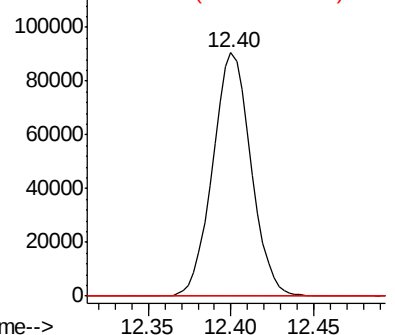
89 0.0 24.6 73.8#

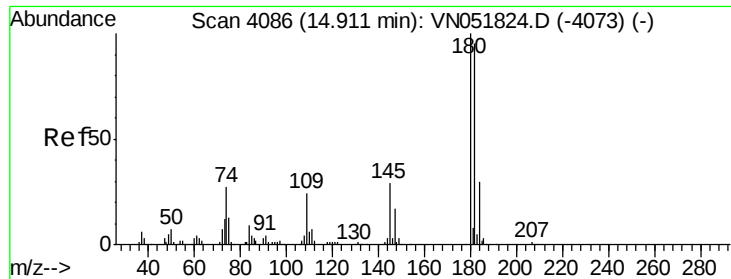


Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051824.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN051824.D (-3265) (-)

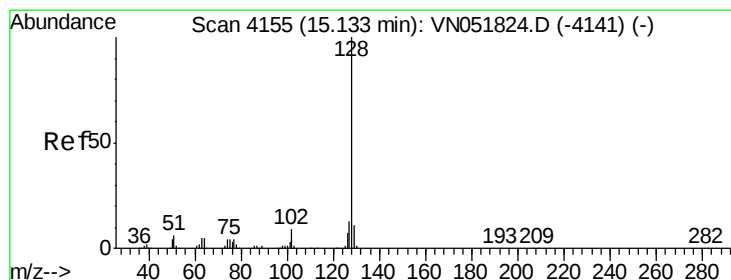
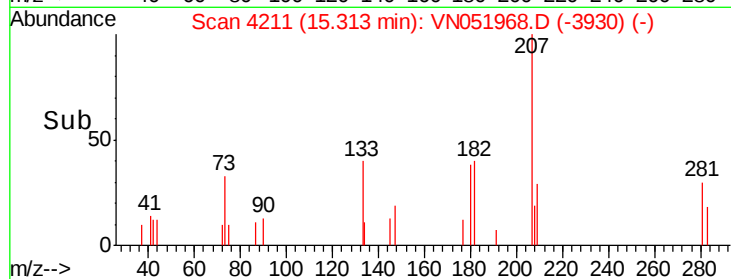
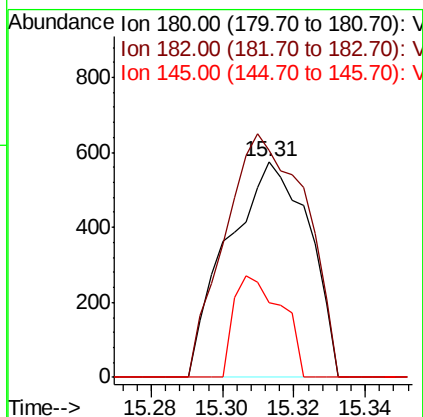
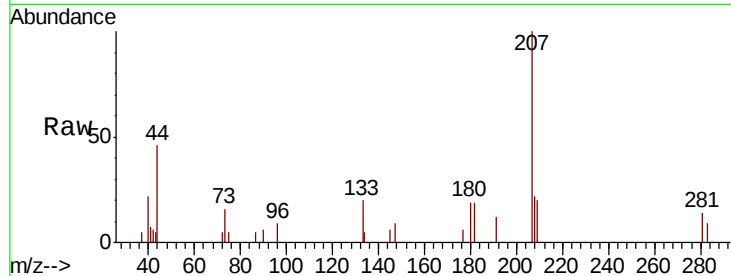




#89
 1,2,4-Trichlorobenzene
 Concen: 7.801 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.40 min
 Lab File: VN051968.D
 Acq: 23 Oct 2018 17:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 905
 Ion Ratio Lower Upper
 180 100
 182 112.8 77.7 116.5
 145 24.1 23.4 35.2



#91
 Naphthalene
 Concen: 8.637 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN051968.D
 Acq: 23 Oct 2018 17:46

Tgt Ion:128 Resp: 2618
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.1 15.1#
 129 5.0 8.4 12.6#

