

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010867.D
 Acq On : 13 Jul 2019 03:42
 Operator : JC/SP
 Sample : K3791-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0600

Quant Time: Jul 15 08:47:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	355093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126602	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	5.50	113	115558	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	453726	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	162122	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	

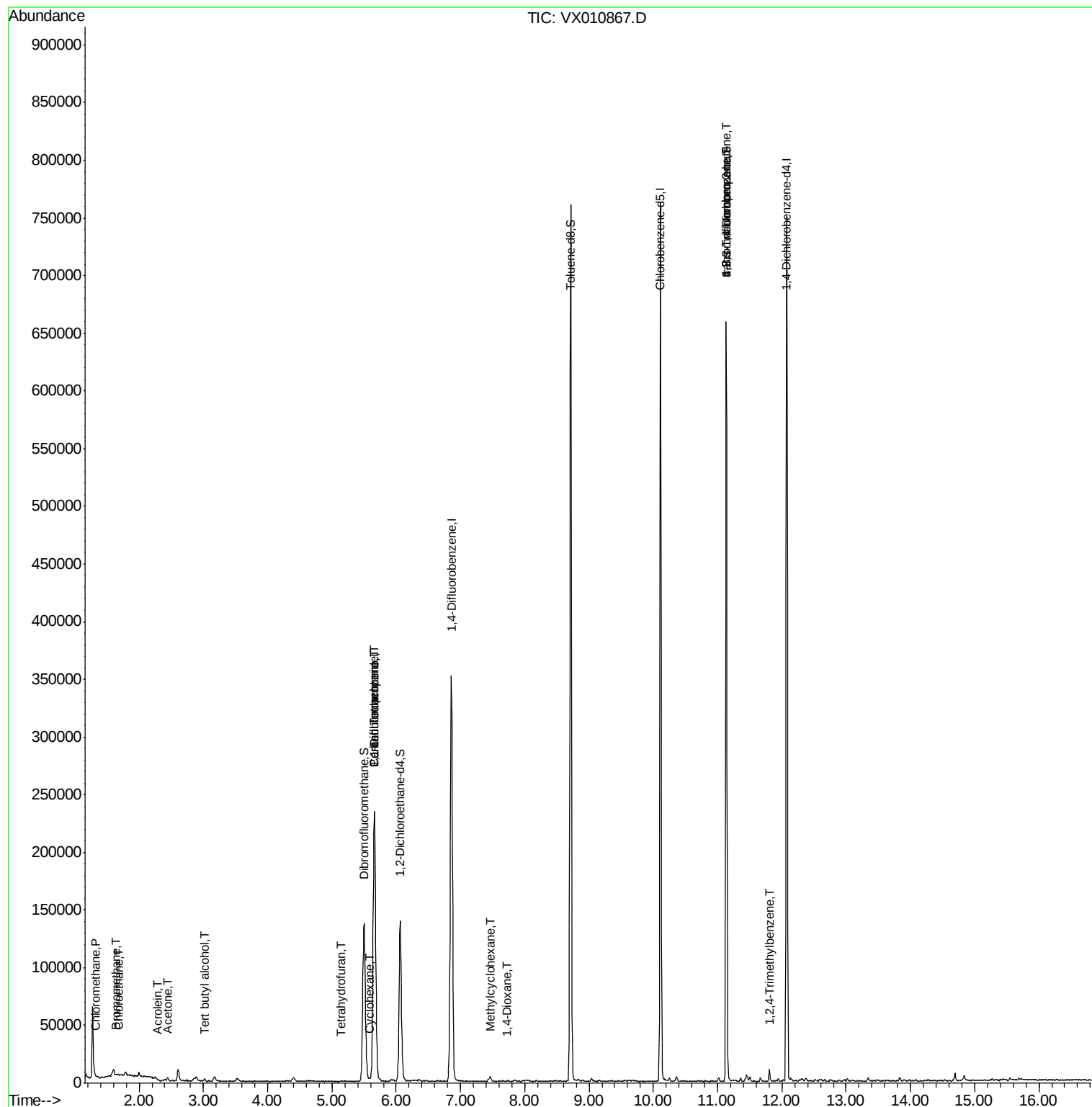
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	830	0.424	ug/l	99
5) Bromomethane	1.65	94	555	0.532	ug/l	100
6) Chloroethane	1.68	64	261	0.206	ug/l #	41
11) Tert butyl alcohol	3.02	59	909	1.533	ug/l #	74
13) Acrolein	2.29	56	136	0.346	ug/l #	55
16) Acetone	2.44	43	3134	2.760	ug/l #	79
29) Tetrahydrofuran	5.13	42	235	0.228	ug/l #	41
31) Cyclohexane	5.59	56	1217	0.372	ug/l #	84
36) 1,1-Dichloropropene	5.67	75	15334	5.058	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22437	6.835	ug/l #	14
39) Methylcyclohexane	7.46	83	1929	0.484	ug/l	89
49) 1,4-Dioxane	7.72	88	41	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79747	25.992	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79747	60.637	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	4384	0.464	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

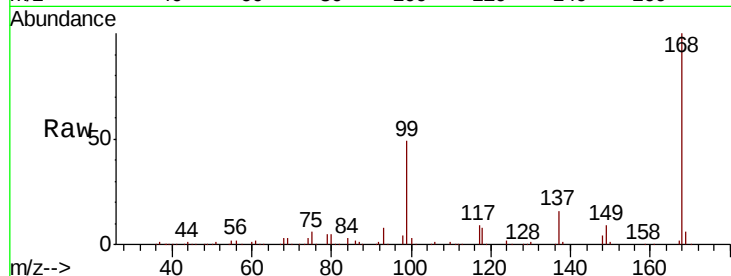
FL-0600

Tot Ion:168 Resp: 241642

Ion Ratio Lower Upper

168 100

99 48.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

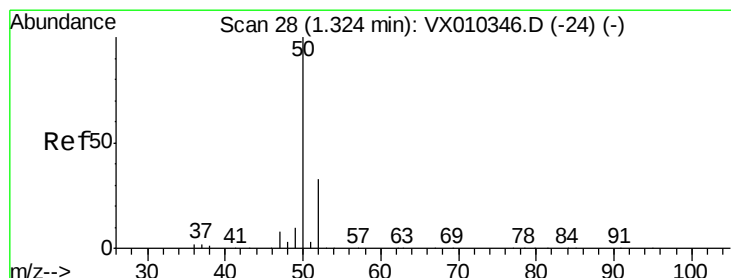
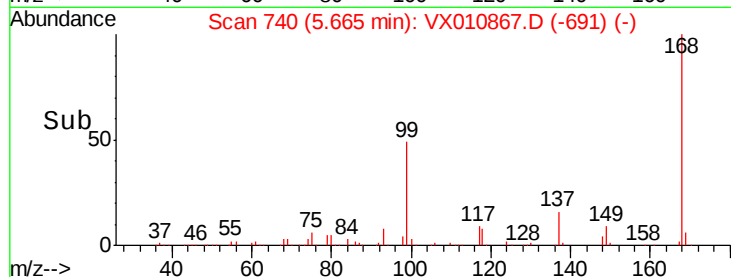
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.424 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010867.D

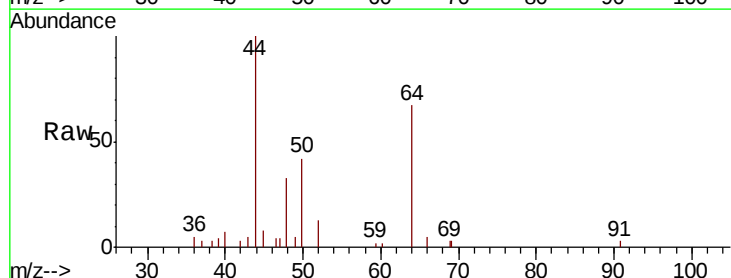
Acq: 13 Jul 2019 03:42

Tgt Ion: 50 Resp: 830

Ion Ratio Lower Upper

50 100

52 33.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

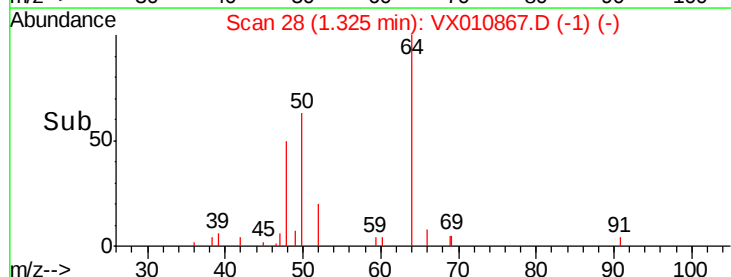
400

200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.532 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

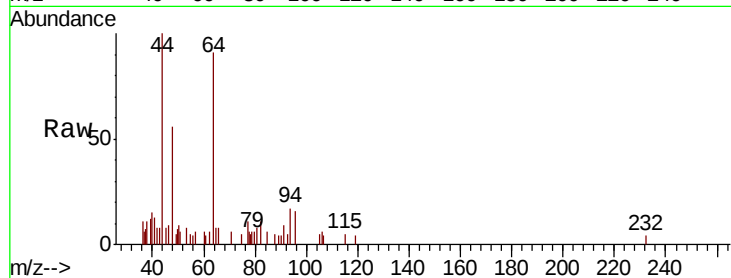
FL-0600

Tot Ion: 94 Resp: 555

Ion Ratio Lower Upper

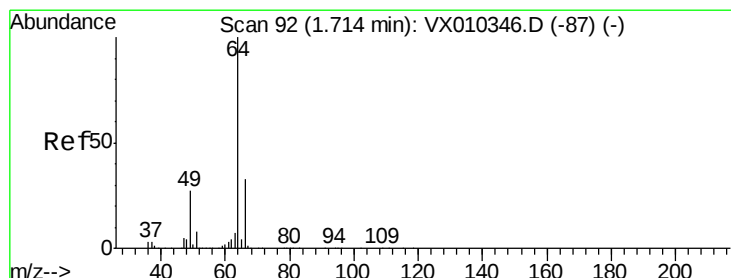
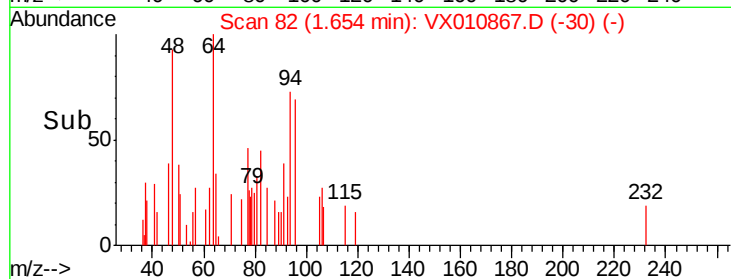
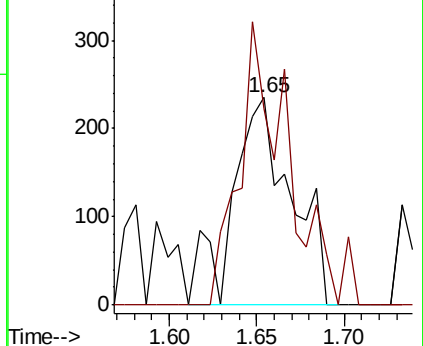
94 100

96 94.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.206 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010867.D

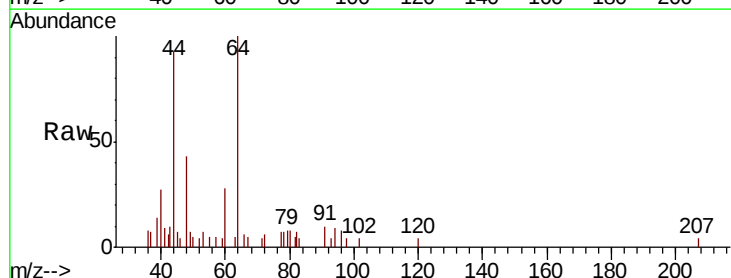
Acq: 13 Jul 2019 03:42

Tgt Ion: 64 Resp: 261

Ion Ratio Lower Upper

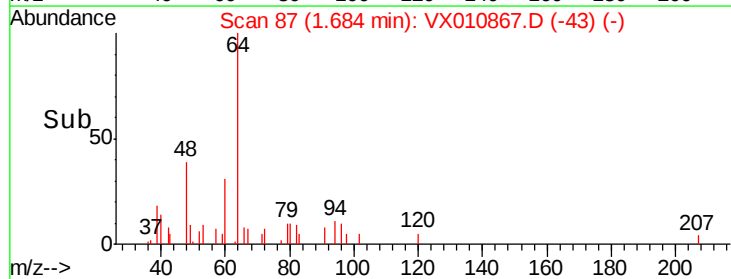
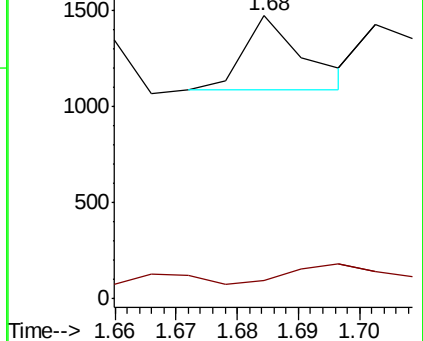
64 100

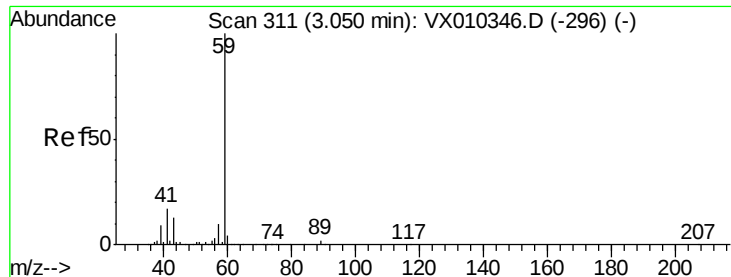
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



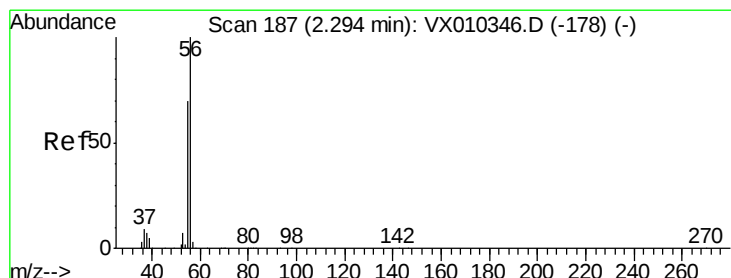
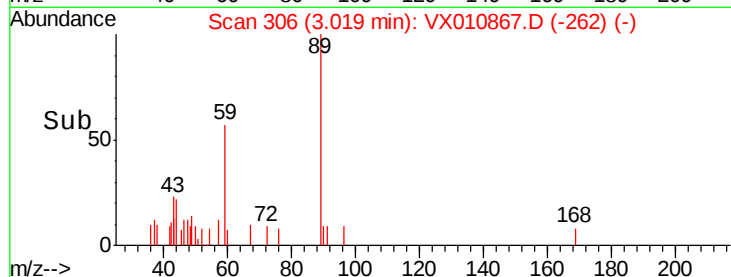
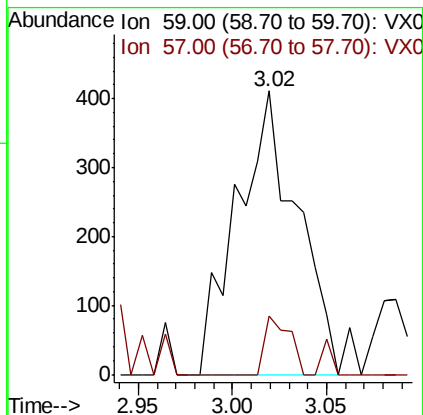
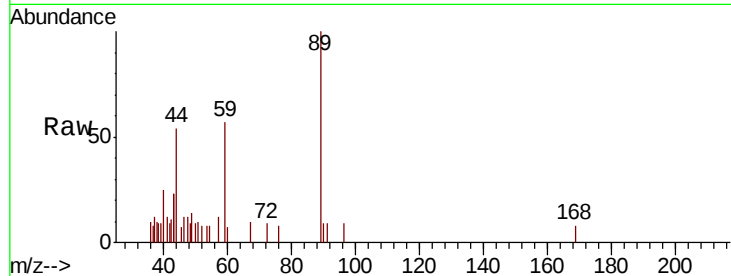


#11

Tert butyl alcohol
 Concen: 1.533 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0600

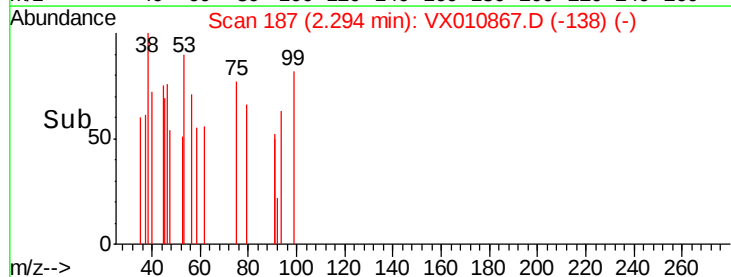
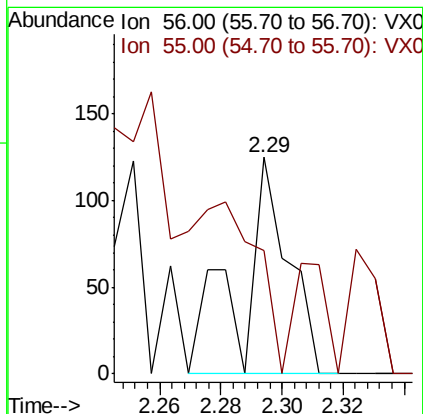
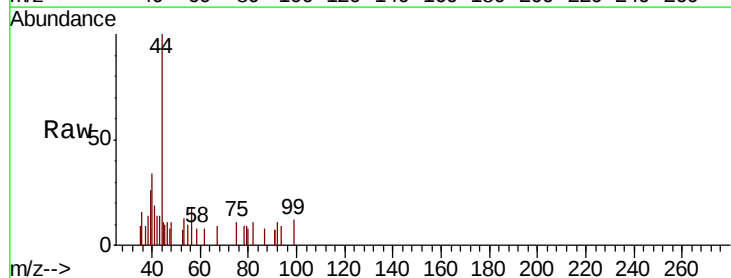
Tot Ion: 59 Resp: 909
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

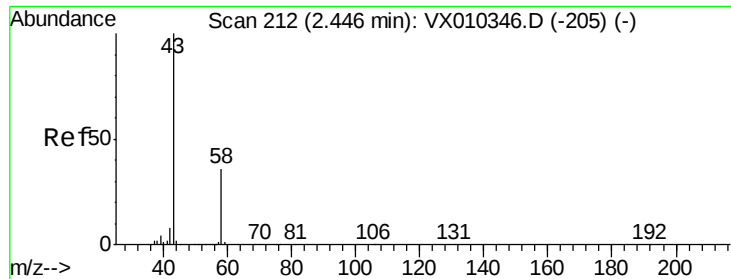


#13

Acrolein
 Concen: 0.346 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

Tgt Ion: 56 Resp: 136
 Ion Ratio Lower Upper
 56 100
 55 33.8 56.9 85.3#





#16

Acetone

Concen: 2.760 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

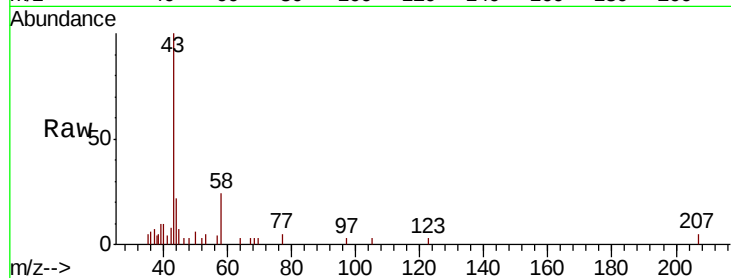
FL-0600

Tot Ion: 43 Resp: 3134

Ion Ratio Lower Upper

43 100

58 23.8 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2000

1500

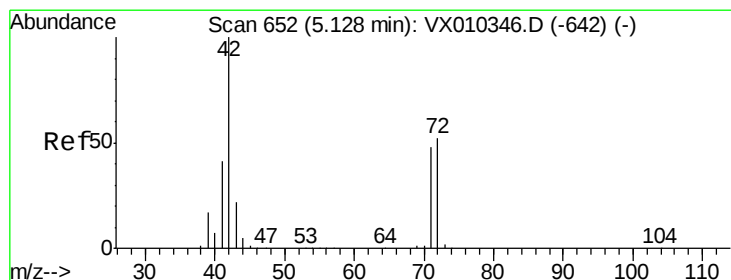
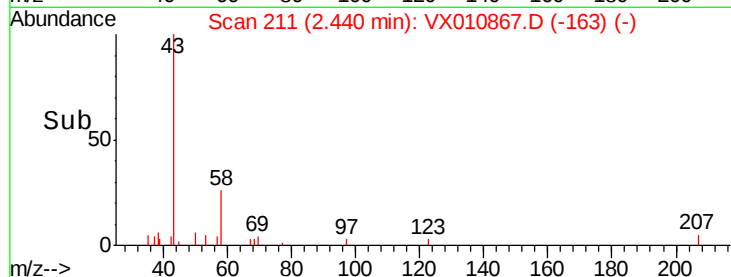
1000

500

0

2.40 2.45 2.50

Time-->



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

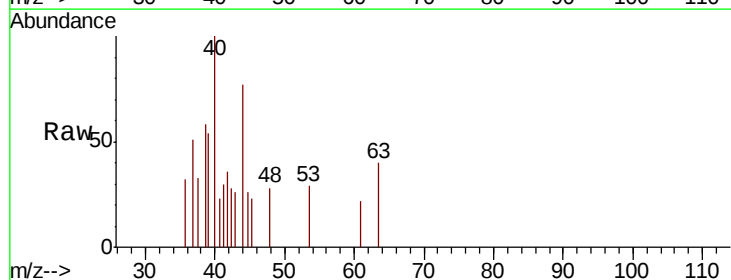
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 17.4 40.6 60.8#

71 0.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

250

200

150

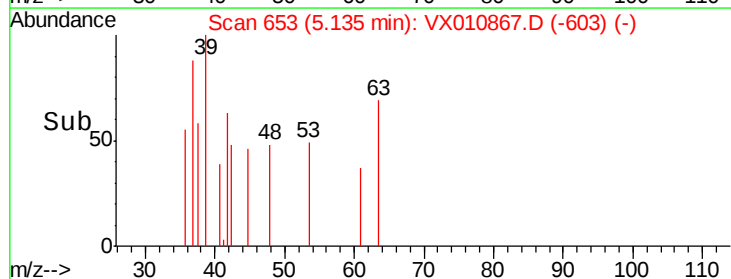
100

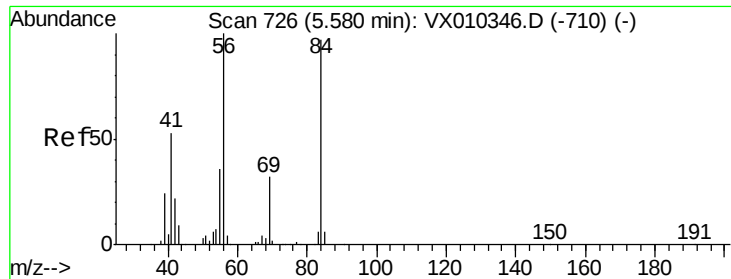
50

0

5.10 5.12 5.14 5.16

Time-->

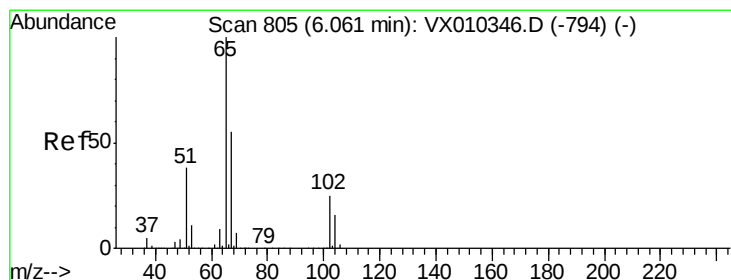
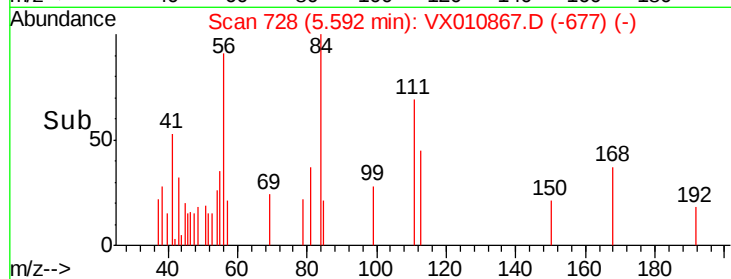
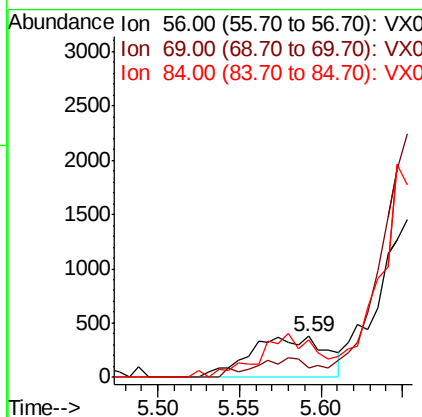
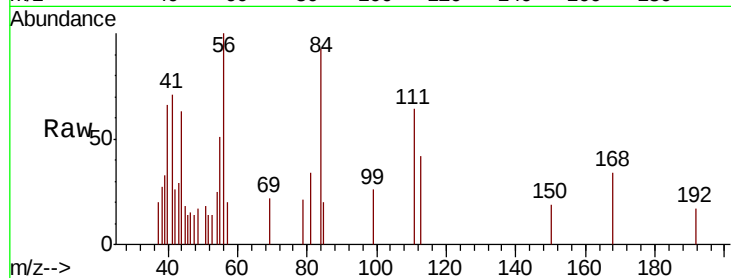




#31
Cyclohexane
Concen: 0.372 ug/l
RT: 5.59 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

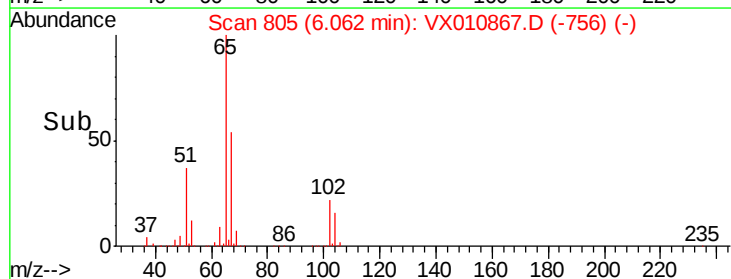
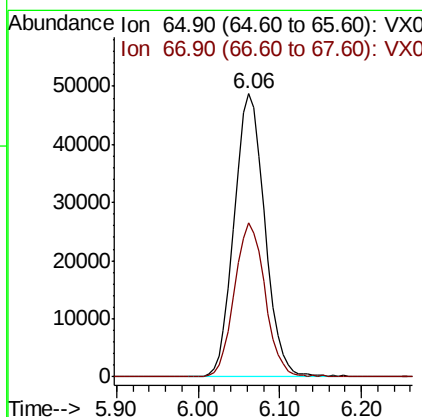
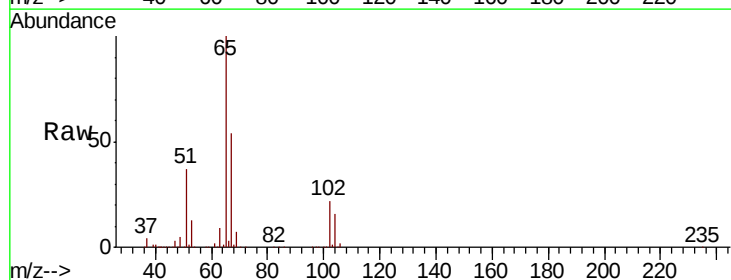
Instrument :
MSVOA_X
ClientSampleId :
FL-0600

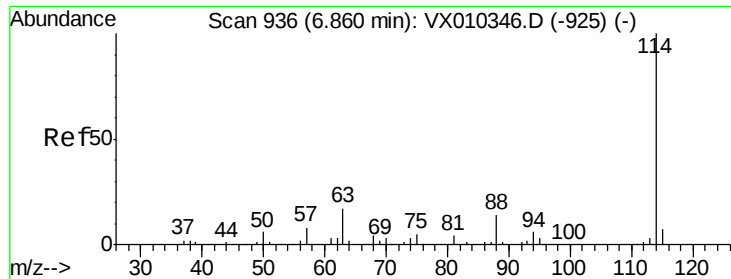
Tot Ion: 56 Resp: 1217
Ion Ratio Lower Upper
56 100
69 22.3 25.9 38.9#
84 113.0 78.0 117.0



#33
1,2-Dichloroethane-d4
Concen: 55.879 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

Tgt Ion: 65 Resp: 126602
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2

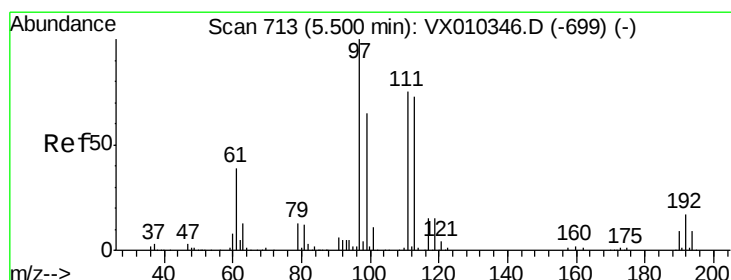
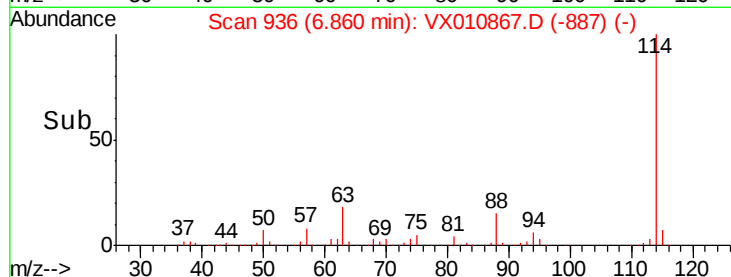
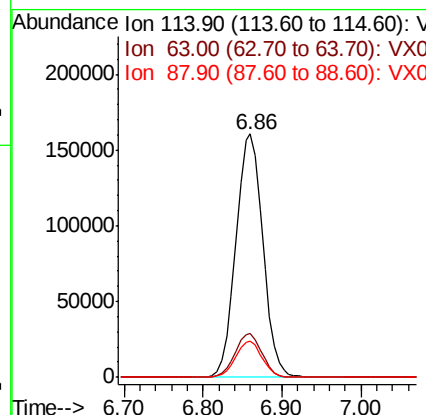
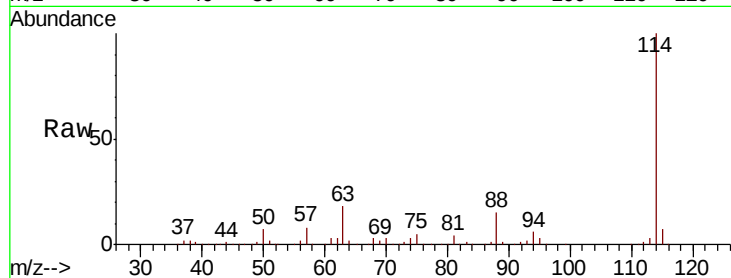




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

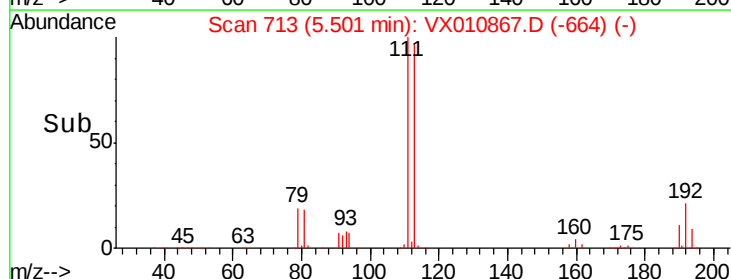
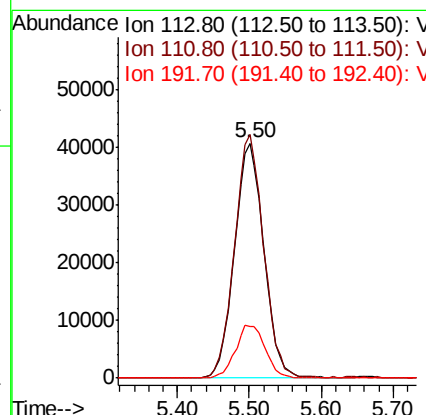
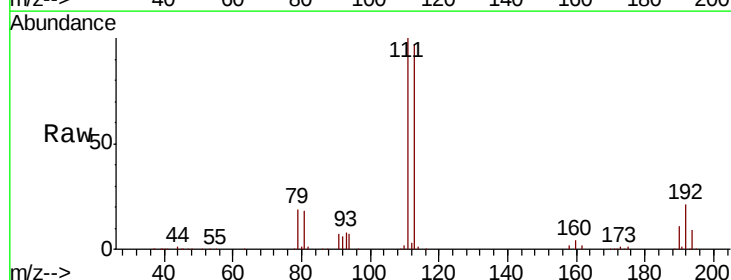
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0600

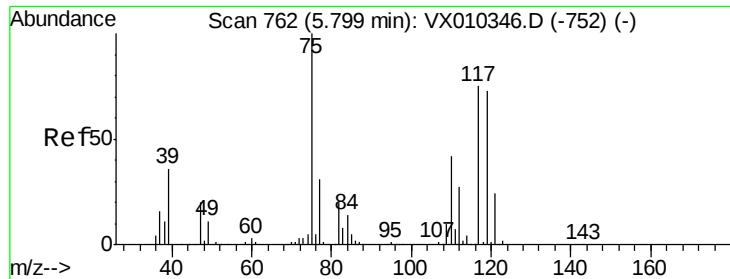
Tot Ion:114 Resp: 381493
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 33.8
 88 14.8 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.508 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

Tgt Ion:113 Resp: 115558
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.2 121.8
 192 22.8 18.6 27.8

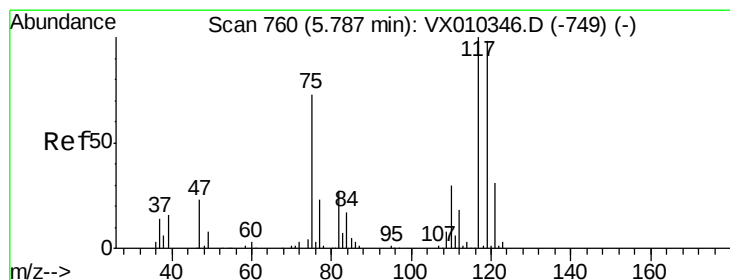
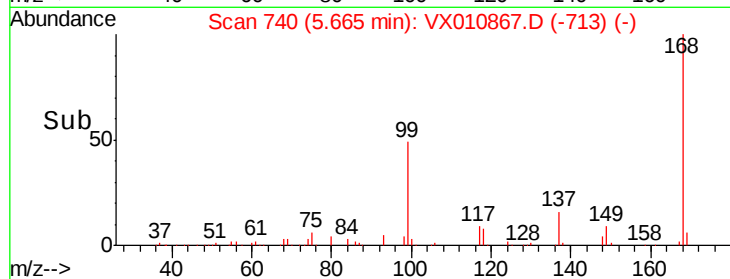
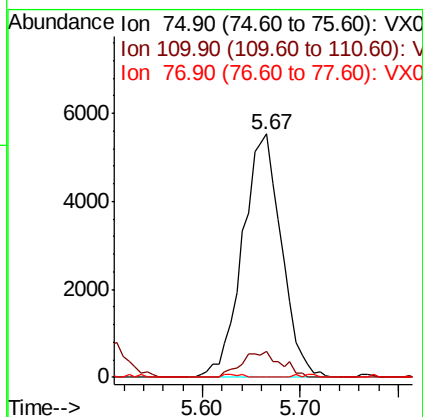
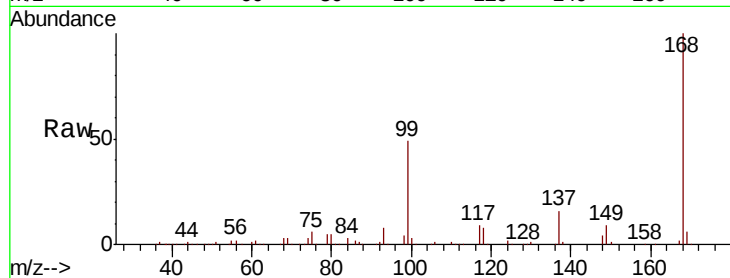




#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

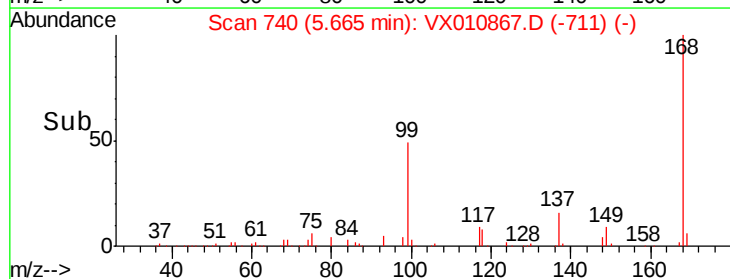
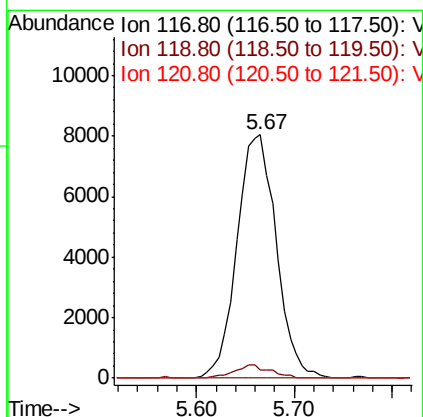
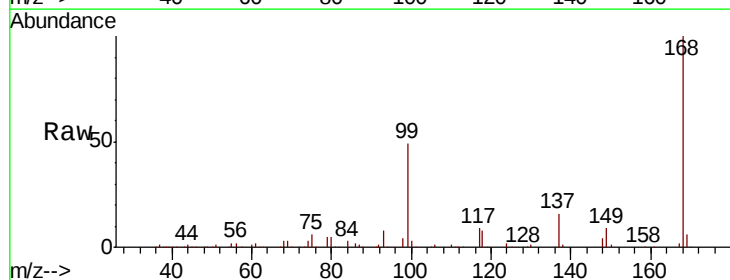
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0600

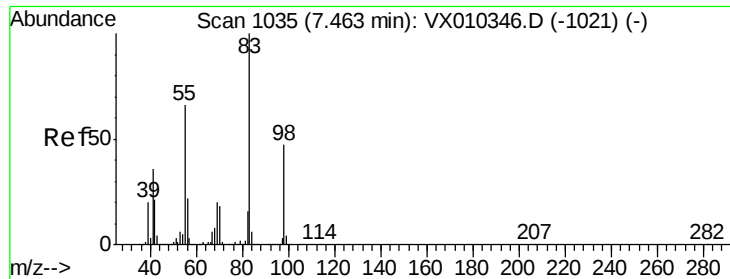
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.835 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	78.2	117.4#
121	0.0	24.7	37.1#





#39

Methylcyclohexane

Concen: 0.484 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

Instrument :

MSVOA_X

ClientSampled :

FL-0600

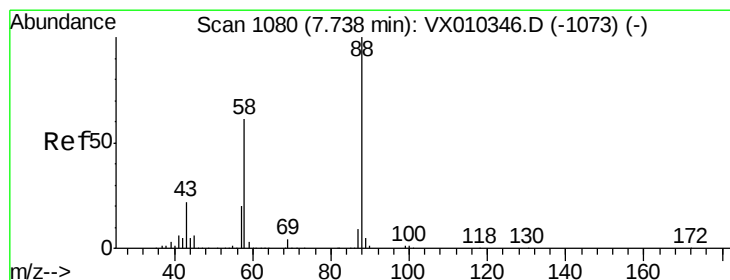
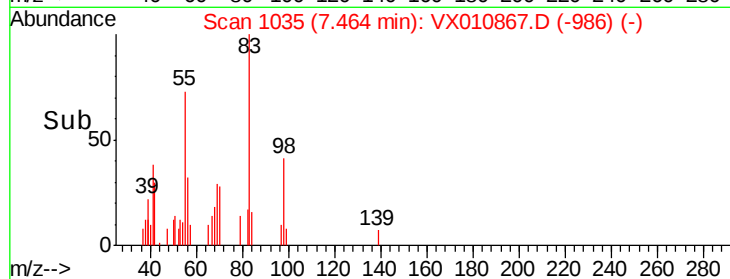
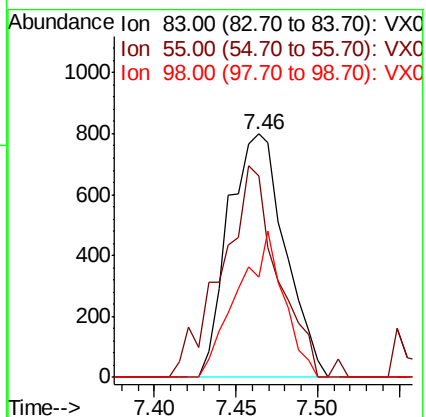
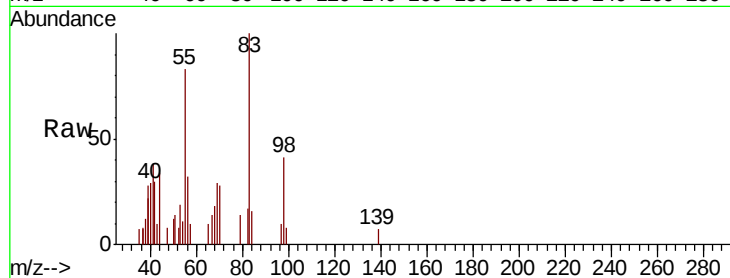
Tot Ion: 83 Resp: 1929

Ion Ratio Lower Upper

83 100

55 75.3 53.0 79.6

98 41.1 37.8 56.8



#49

1,4-Dioxane

Concen: 0.593 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

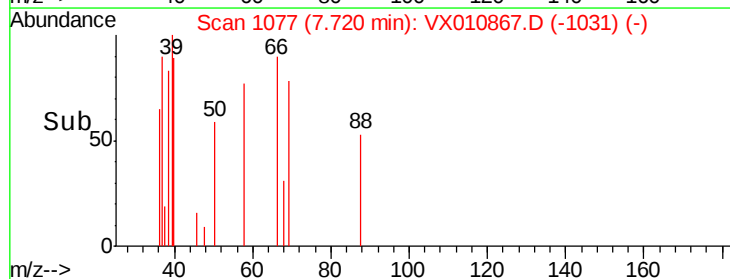
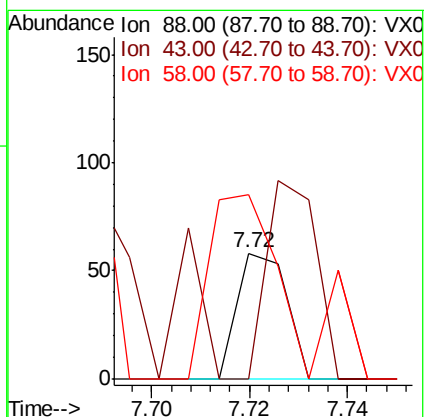
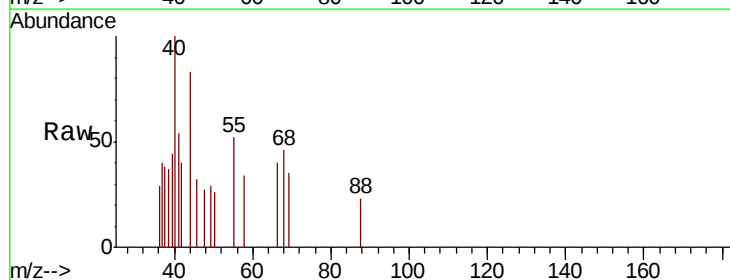
Tgt Ion: 88 Resp: 41

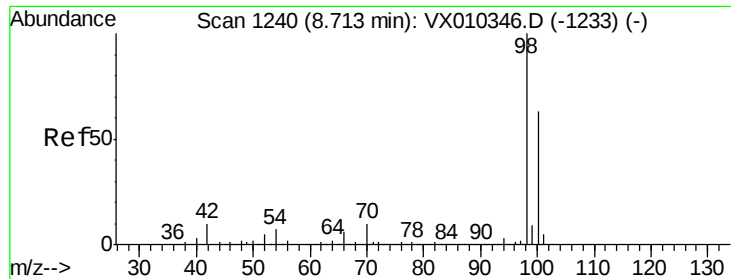
Ion Ratio Lower Upper

88 100

43 156.1 20.2 30.2#

58 241.5 49.5 74.3#

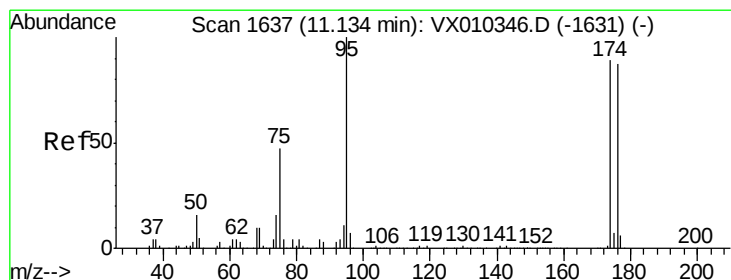
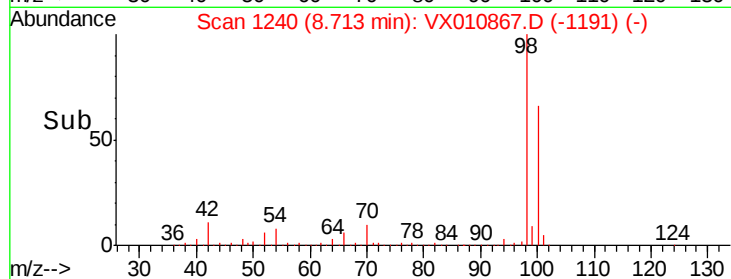
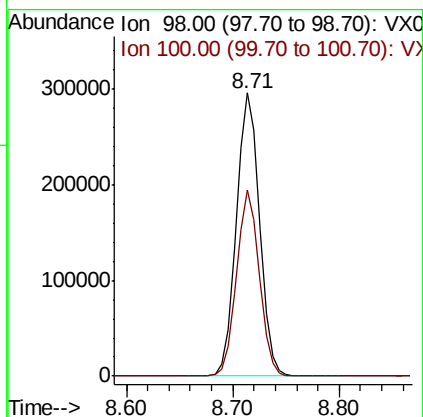
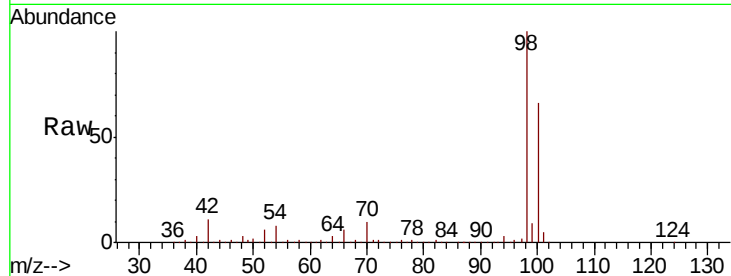




#50
Toluene-d8
Concen: 50.810 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

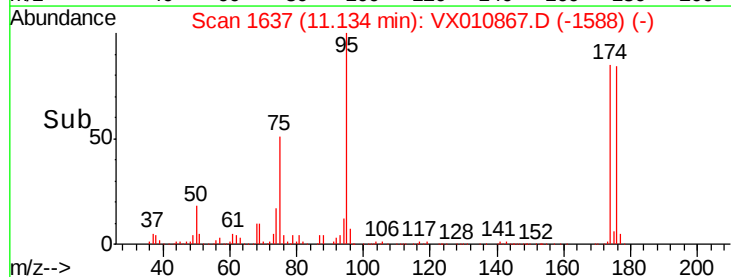
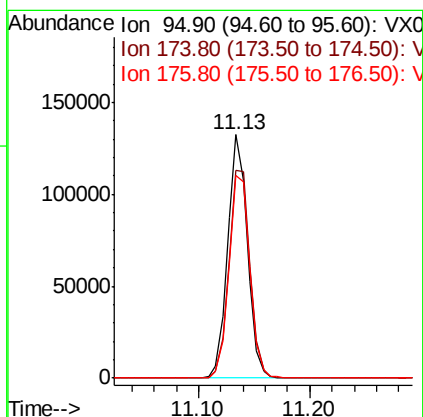
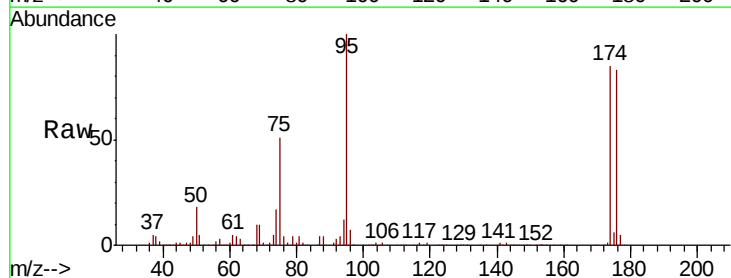
Instrument :
MSVOA_X
ClientSampleId :
FL-0600

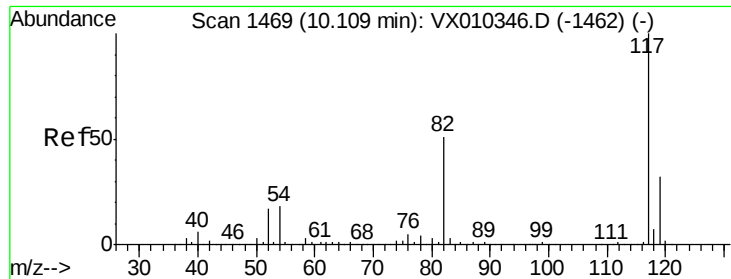
Tot Ion: 98 Resp: 453726
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 50.287 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

Tgt Ion: 95 Resp: 162122
Ion Ratio Lower Upper
95 100
174 91.3 0.0 187.6
176 88.2 0.0 184.0

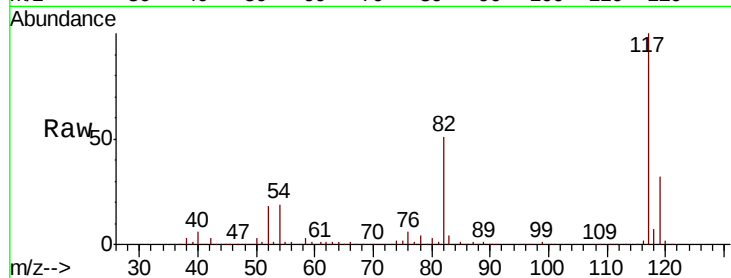




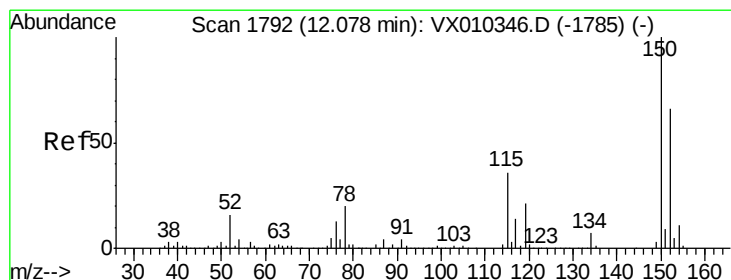
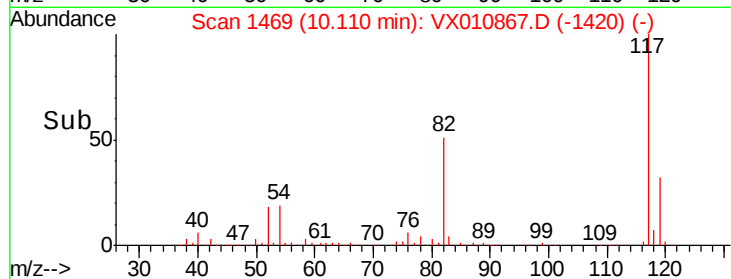
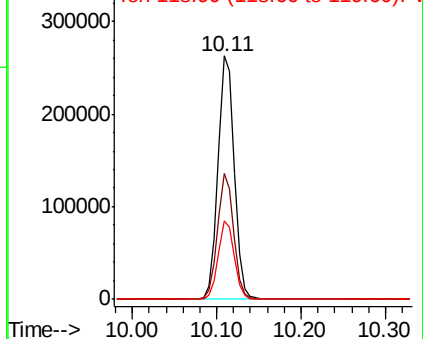
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :
FL-0600

Tot Ion:117 Resp: 355093
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.0 25.5 38.3

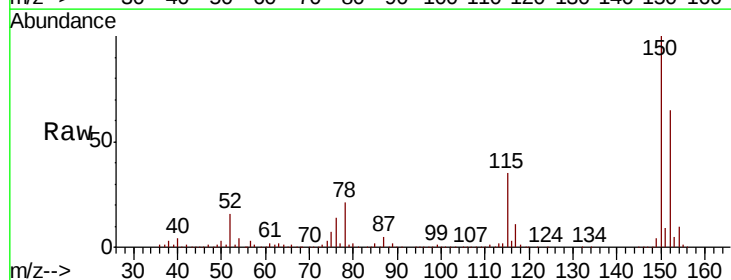


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

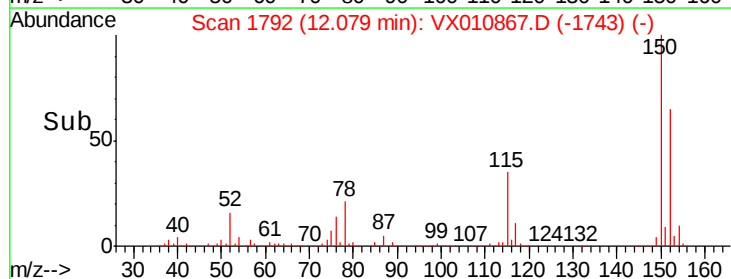
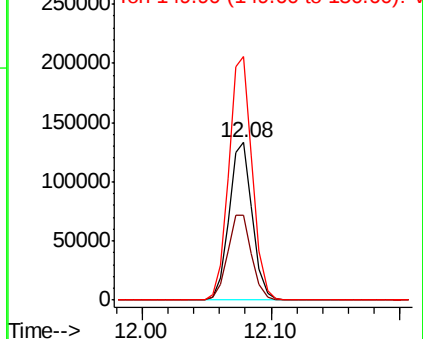


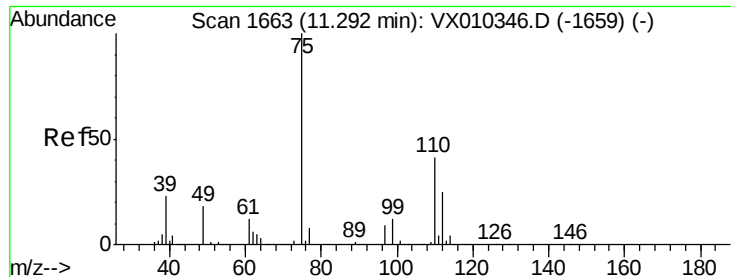
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010867.D
Acq: 13 Jul 2019 03:42

Tgt Ion:152 Resp: 168368
Ion Ratio Lower Upper
152 100
115 55.5 38.6 115.7
150 155.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

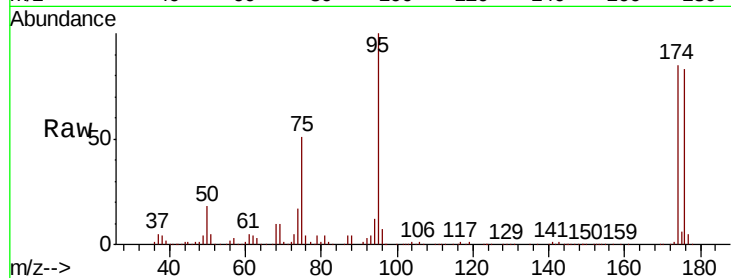
FL-0600

Tot Ion: 75 Resp: 79747

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

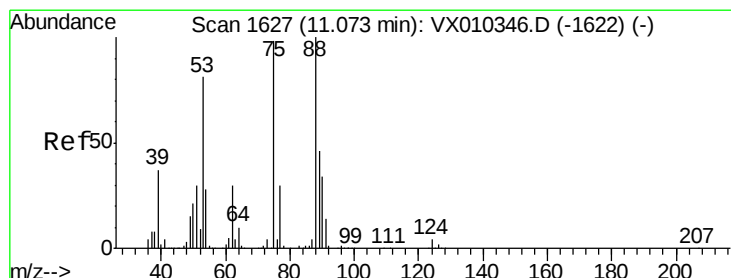
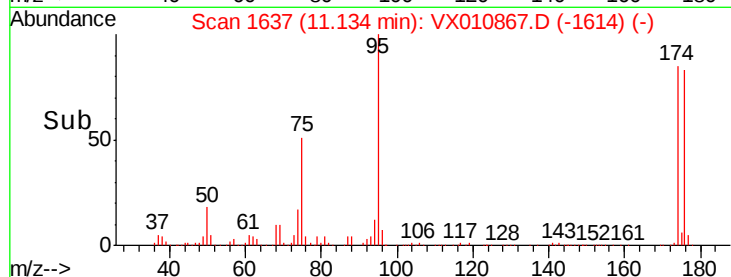
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.637 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010867.D

Acq: 13 Jul 2019 03:42

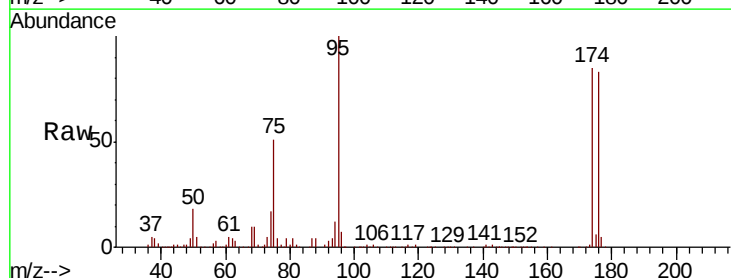
Tgt Ion: 75 Resp: 79747

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

80000

60000

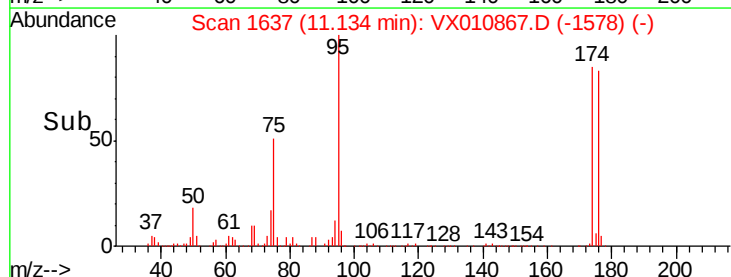
40000

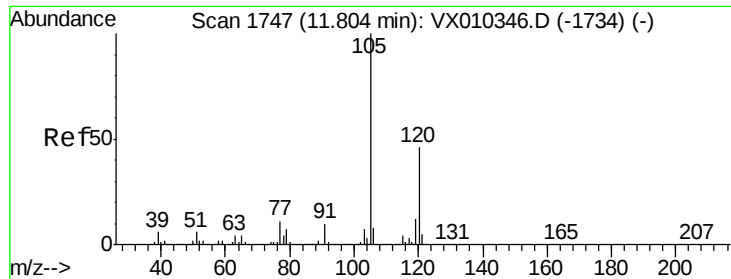
20000

0

Time-->

11.10 11.20





#84
 1,2,4-Trimethylbenzene
 Concen: 0.464 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010867.D
 Acq: 13 Jul 2019 03:42

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0600

Tot Ion:105 Resp: 4384
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.1 69.2

