

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009812.D
 Acq On : 22 May 2019 18:17
 Operator : JC/SP
 Sample : K2977-15 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

Quant Time: May 23 08:15:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111375	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	116932	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	5.50	113	84230	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	351967	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	119870	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

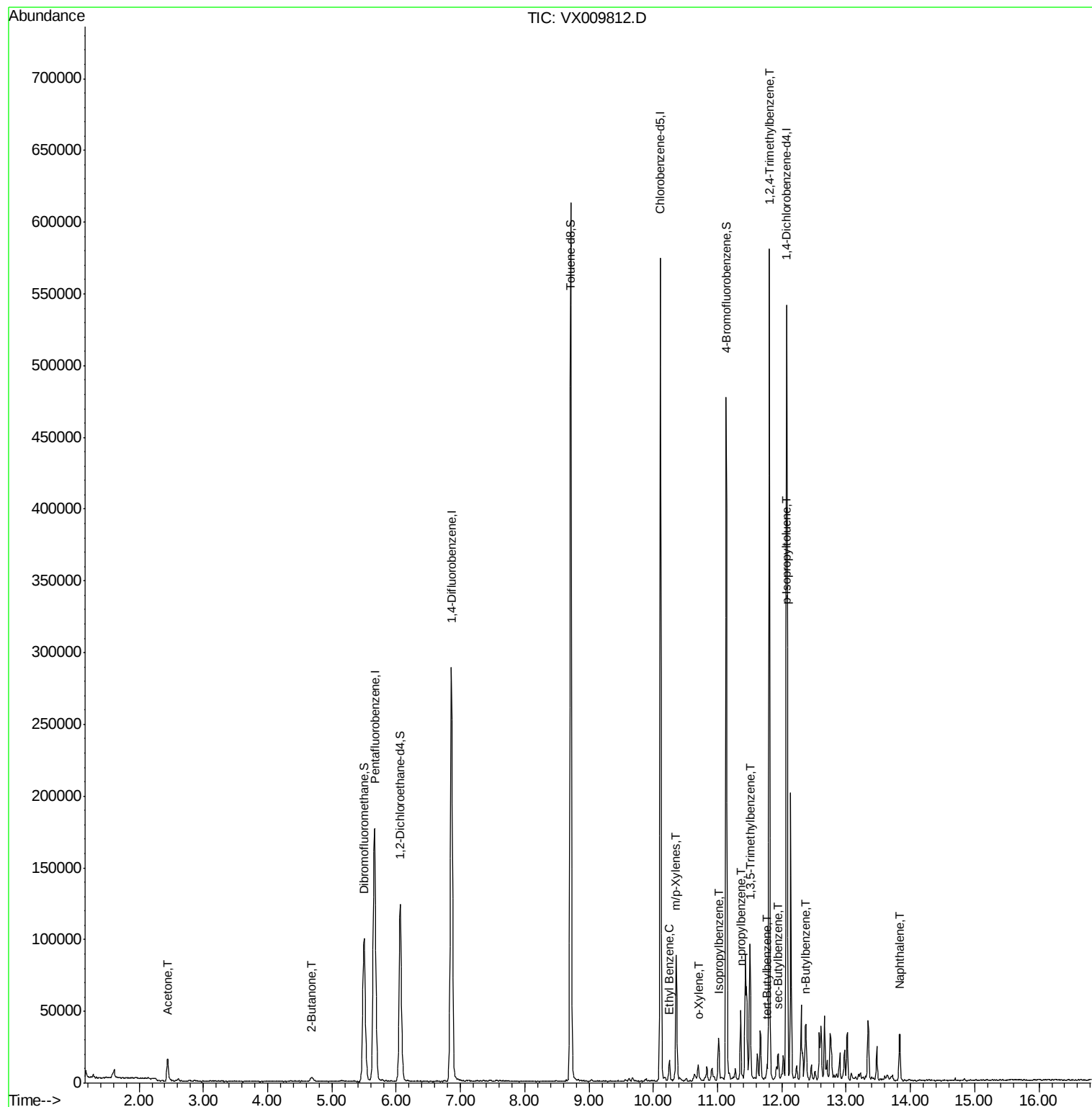
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	17403	13.839	ug/l	97
25) 2-Butanone	4.68	43	6041	3.091	ug/l	96
67) Ethyl Benzene	10.25	91	7570	0.832	ug/l	94
68) m/p-Xylenes	10.36	106	19887	5.985	ug/l	97
69) o-Xylene	10.70	106	2308	0.704	ug/l	96
73) Isopropylbenzene	11.02	105	14526	1.794	ug/l	99
78) n-propylbenzene	11.36	91	27511	2.974	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	38183	5.599	ug/l	99
83) tert-Butylbenzene	11.77	119	1766	0.266	ug/l	77
84) 1,2,4-Trimethylbenzene	11.80	105	231101	33.762	ug/l	99
85) sec-Butylbenzene	11.94	105	8401	1.068	ug/l	94
86) p-Isopropyltoluene	12.06	119	5574	0.788	ug/l	89
89) n-Butylbenzene	12.38	91	6322	0.989	ug/l #	41
95) Naphthalene	13.83	128	20055	2.470	ug/l	99

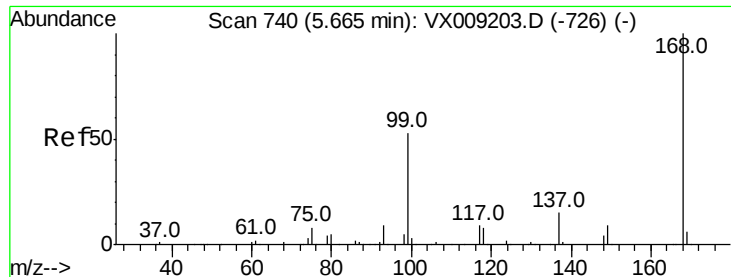
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

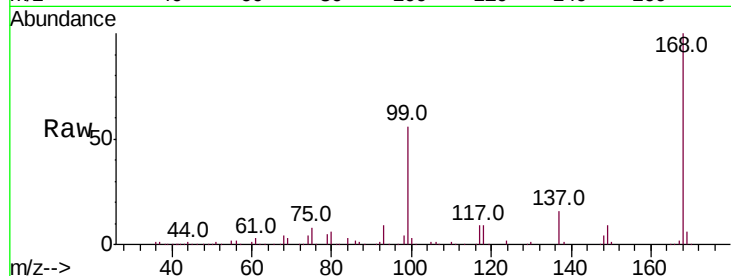
EP1-PZ-FD-02

Tot Ion:168 Resp: 171560

Ion Ratio Lower Upper

168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

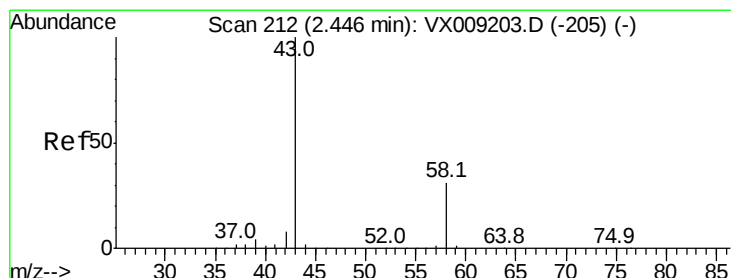
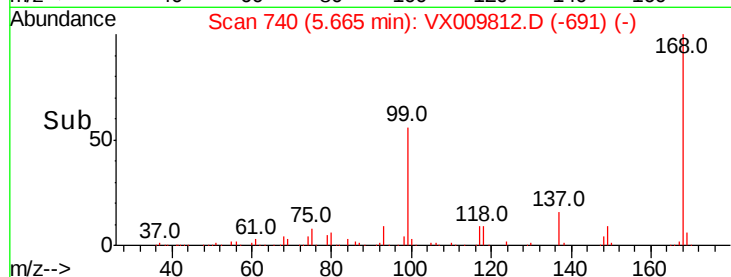
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 13.839 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009812.D

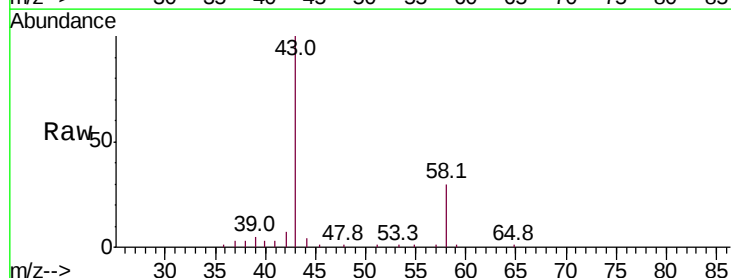
Acq: 22 May 2019 18:17

Tgt Ion: 43 Resp: 17403

Ion Ratio Lower Upper

43 100

58 29.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

12000

10000

8000

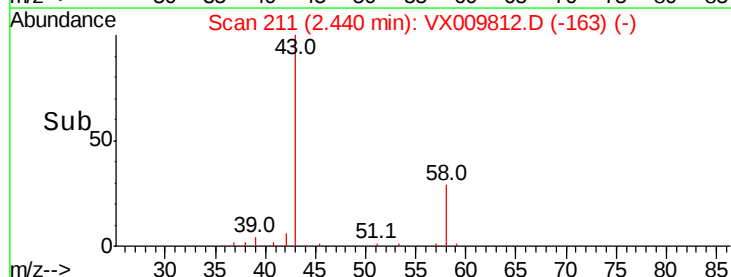
6000

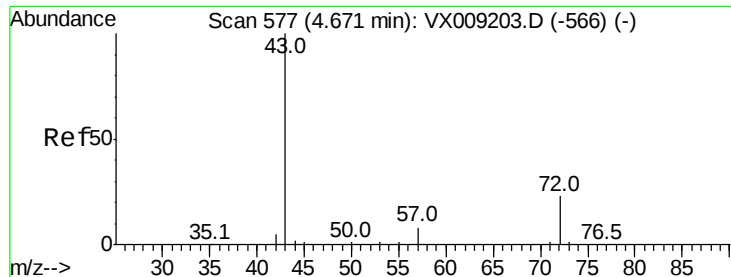
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 3.091 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

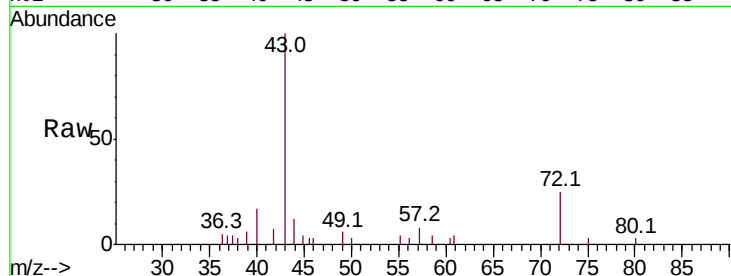
EP1-PZ-FD-02

Tot Ion: 43 Resp: 6041

Ion Ratio Lower Upper

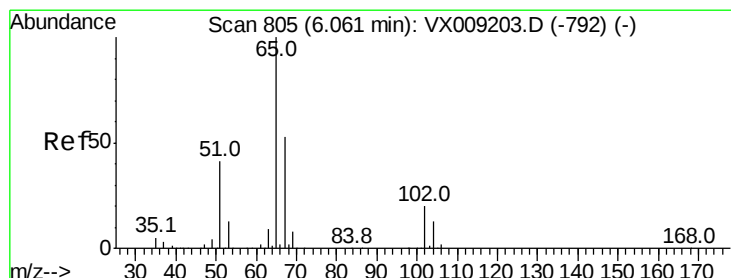
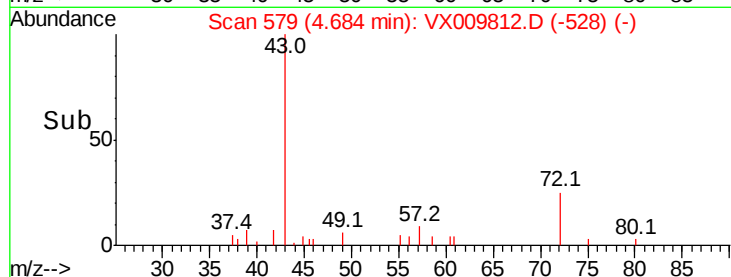
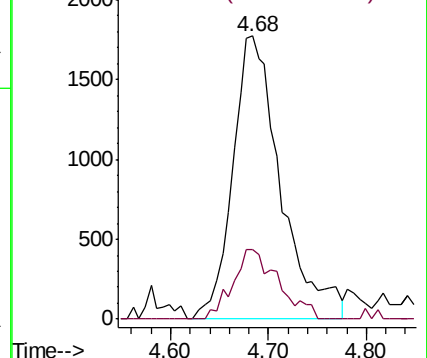
43 100

72 24.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.928 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009812.D

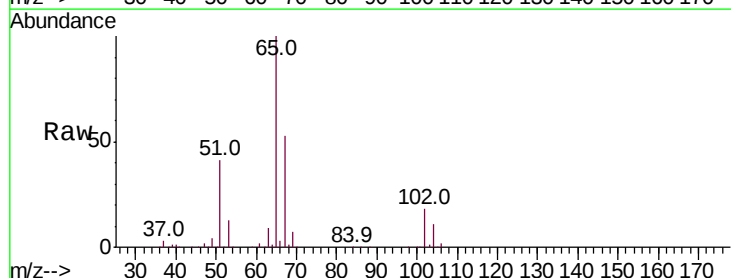
Acq: 22 May 2019 18:17

Tgt Ion: 65 Resp: 116932

Ion Ratio Lower Upper

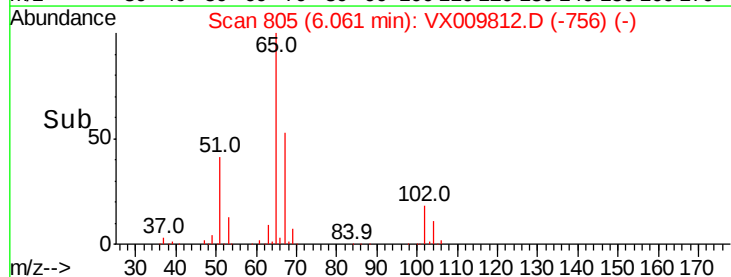
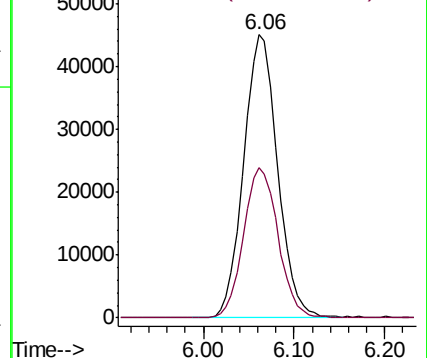
65 100

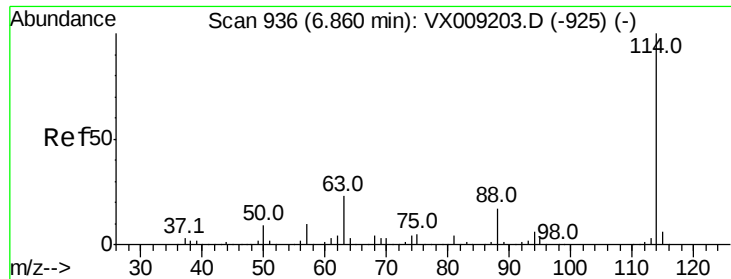
67 54.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

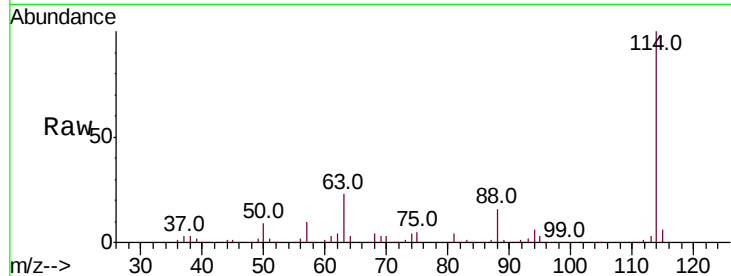




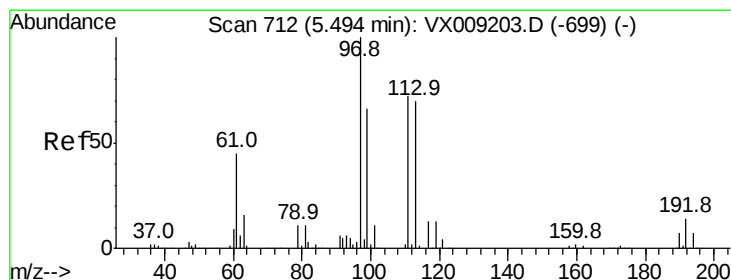
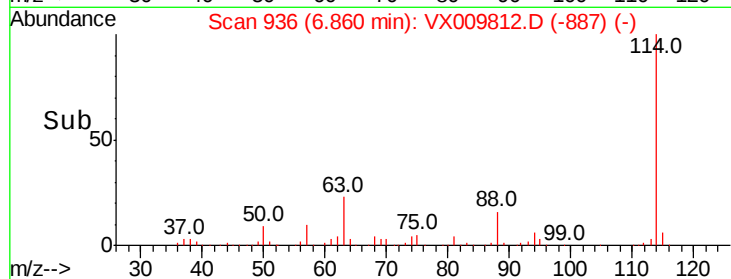
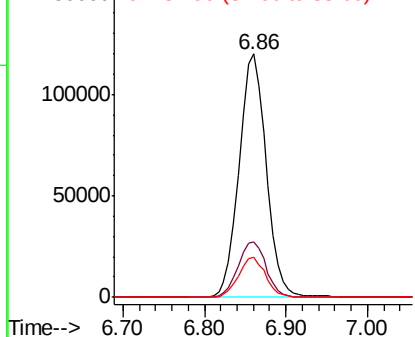
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009812.D
 Acq: 22 May 2019 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

Tot Ion:114 Resp: 277342
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.3 0.0 33.2

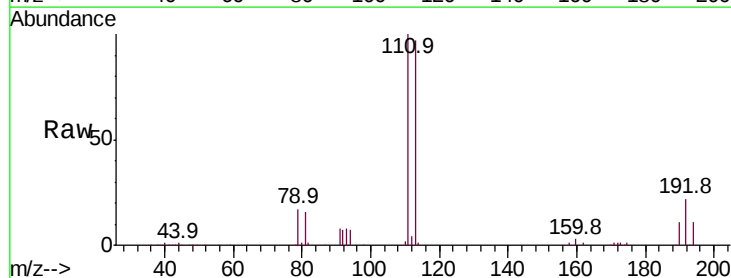


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

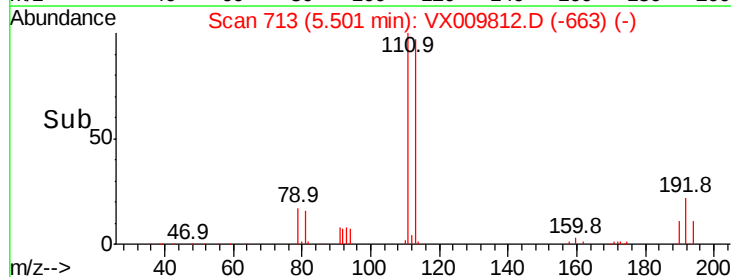
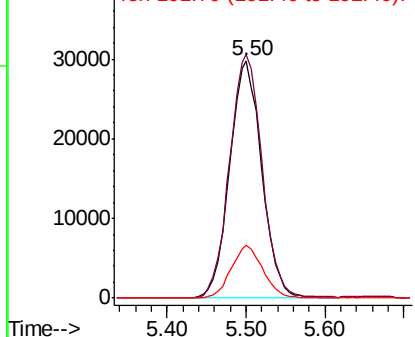


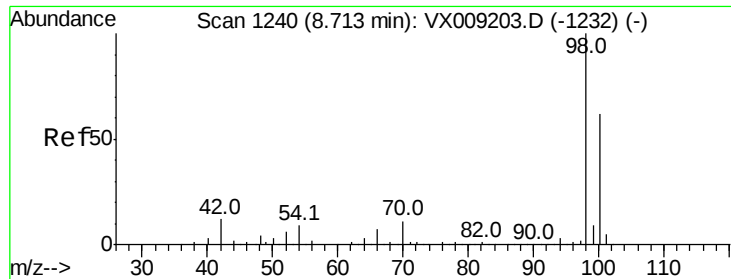
#35
 Dibromofluoromethane
 Concen: 48.311 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009812.D
 Acq: 22 May 2019 18:17

Tgt Ion:113 Resp: 84230
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.8 124.2
 192 22.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

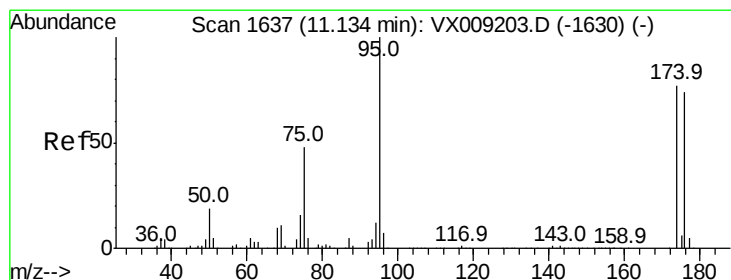
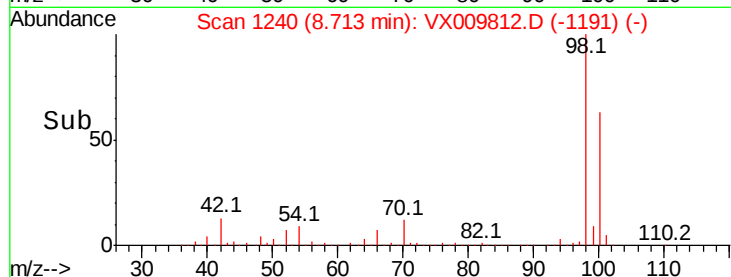
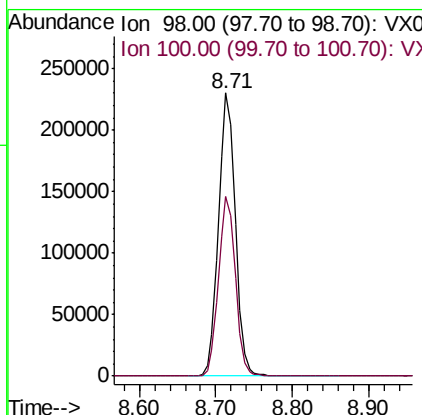
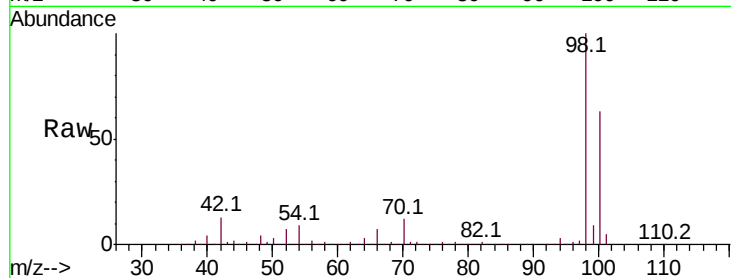




#50
Toluene-d8
Concen: 50.003 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

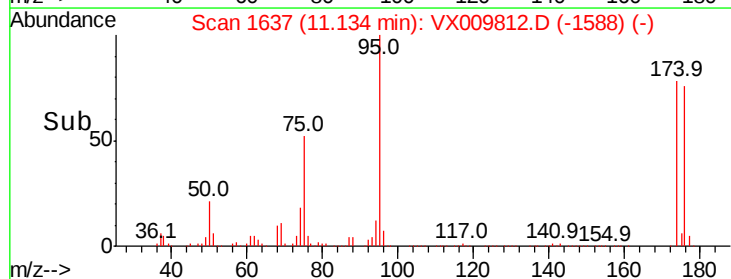
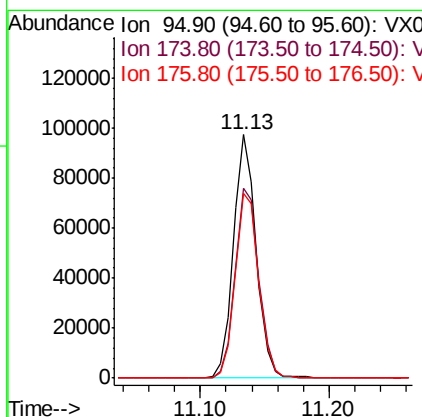
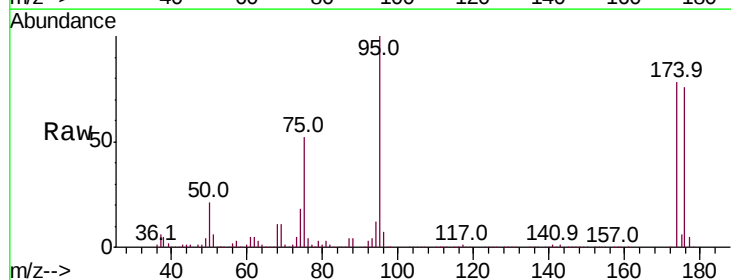
Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

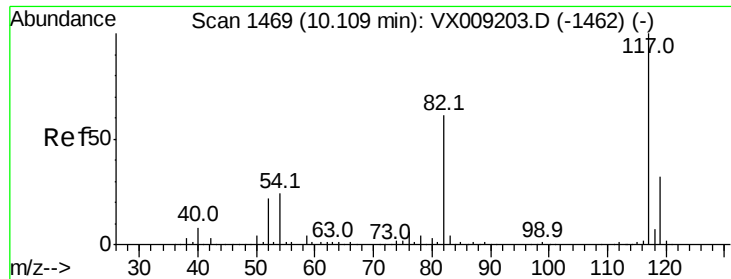
Tot Ion: 98 Resp: 351967
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 46.867 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

Tgt Ion: 95 Resp: 119870
Ion Ratio Lower Upper
95 100
174 81.6 0.0 161.6
176 78.9 0.0 159.2

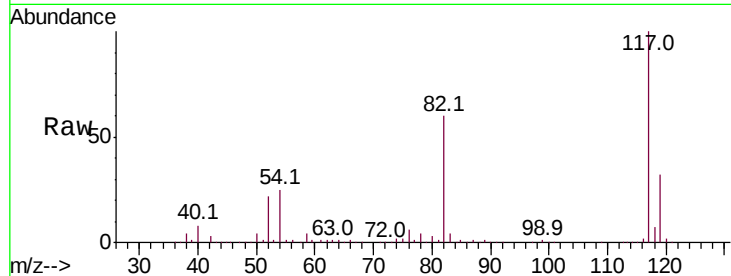




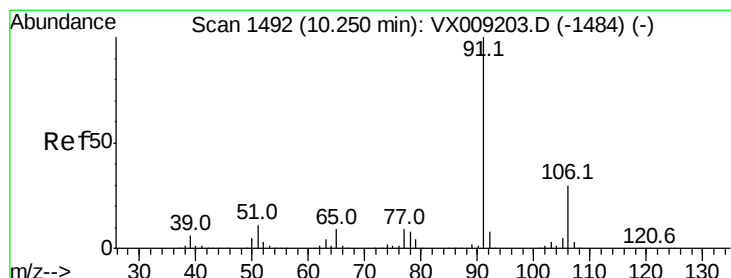
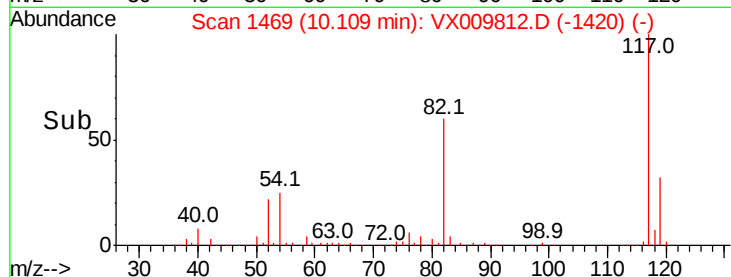
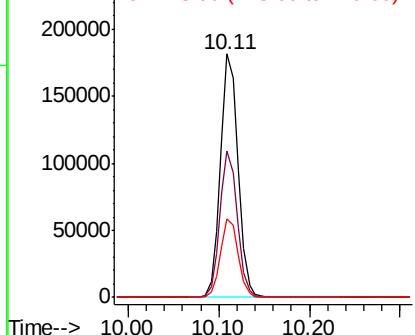
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

Tot Ion:117 Resp: 247001
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 32.1 25.8 38.6

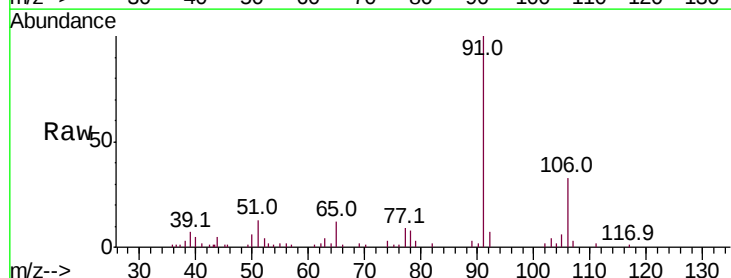


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

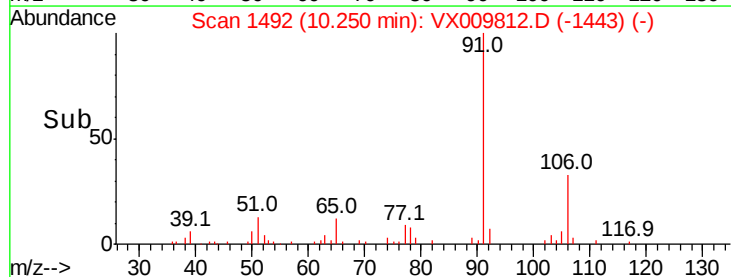
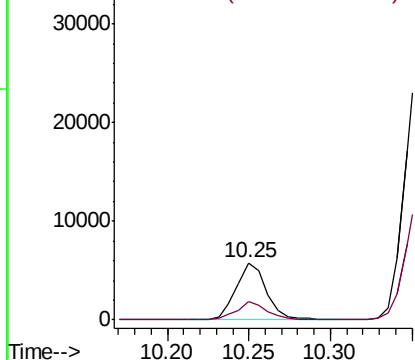


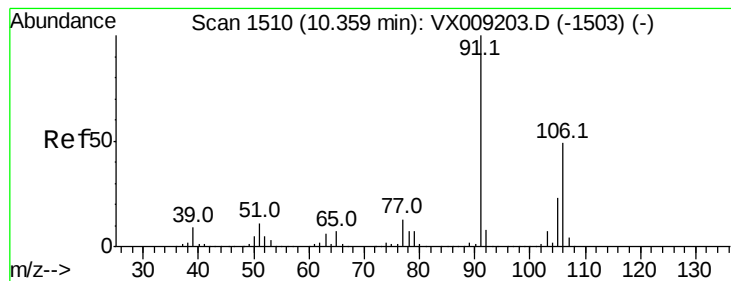
#67
Ethyl Benzene
Concen: 0.832 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

Tgt Ion: 91 Resp: 7570
Ion Ratio Lower Upper
91 100
106 33.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 5.985 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

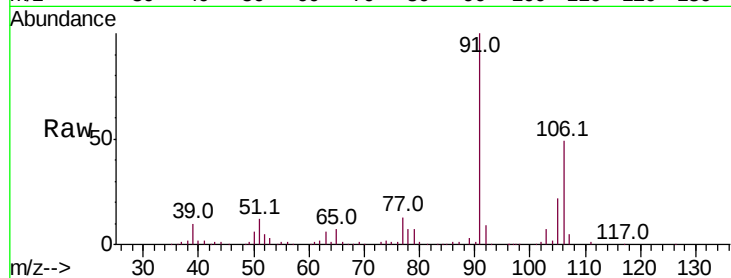
EP1-PZ-FD-02

Tot Ion:106 Resp: 19887

Ion Ratio Lower Upper

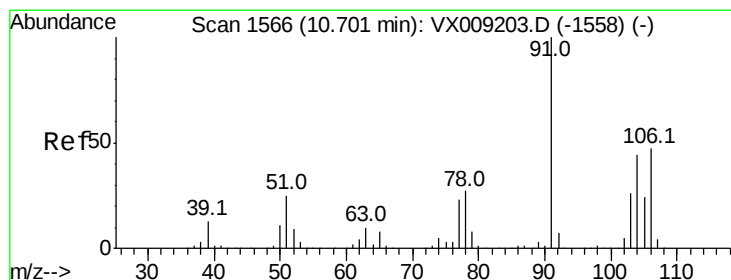
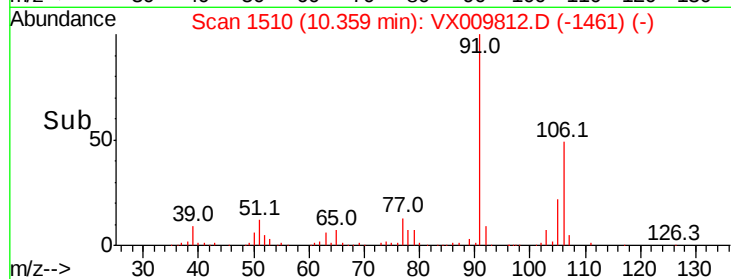
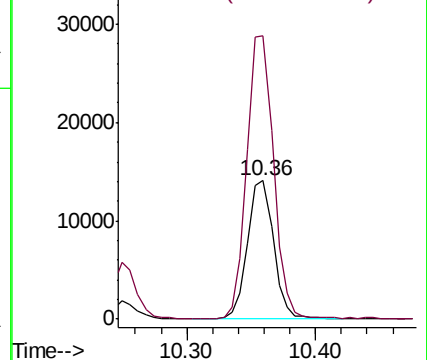
106 100

91 209.4 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.704 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX009812.D

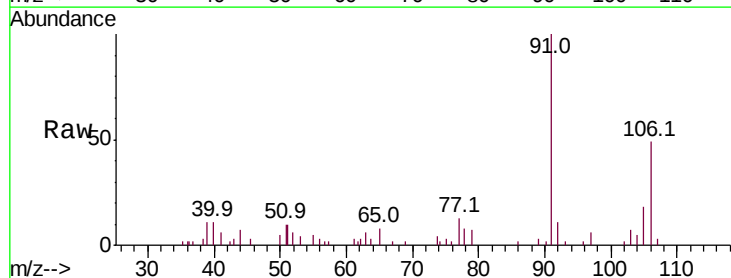
Acq: 22 May 2019 18:17

Tgt Ion:106 Resp: 2308

Ion Ratio Lower Upper

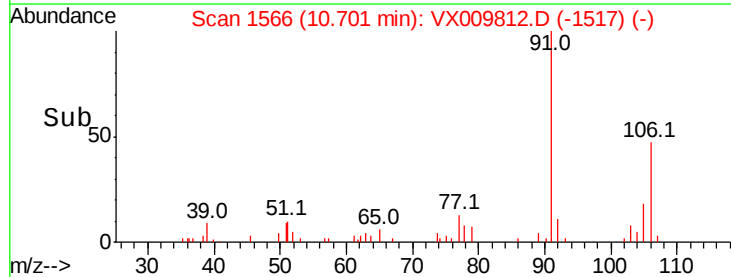
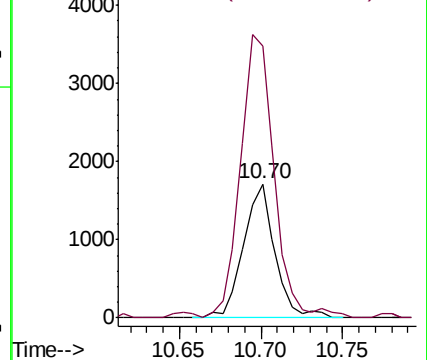
106 100

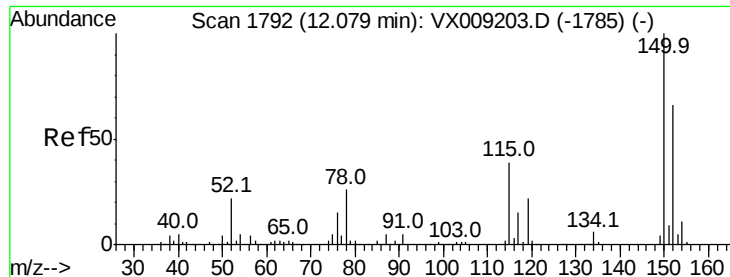
91 225.8 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-FD-02

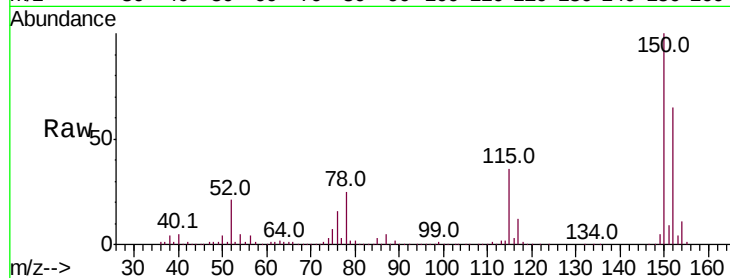
Tot Ion:152 Resp: 111375

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

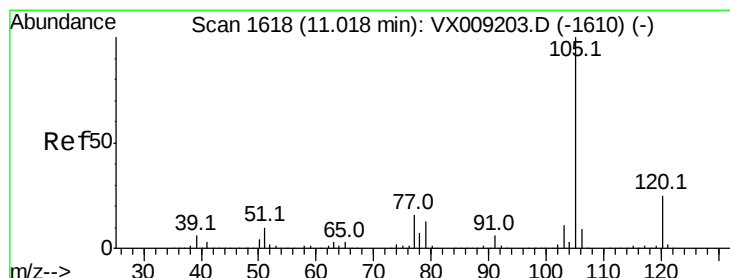
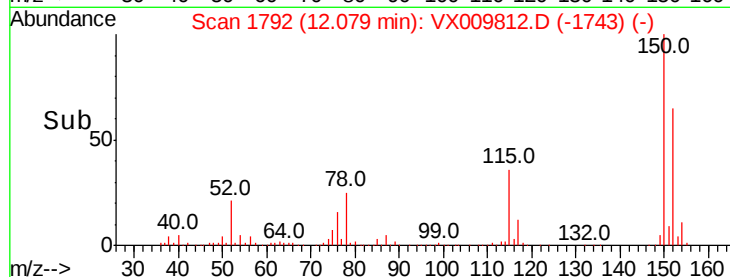
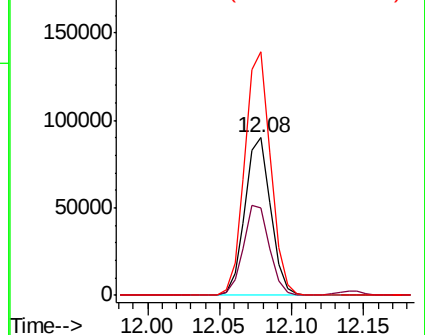
150 155.0 0.0 346.4



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



#73

Isopropylbenzene

Concen: 1.794 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009812.D

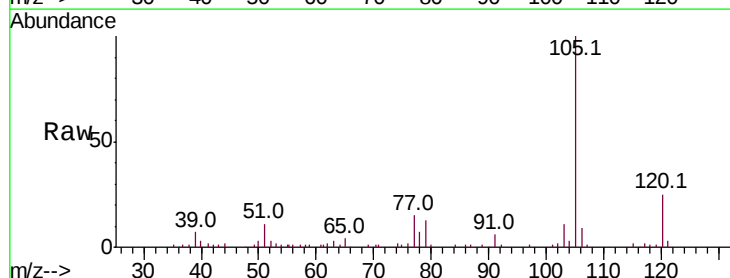
Acq: 22 May 2019 18:17

Tgt Ion:105 Resp: 14526

Ion Ratio Lower Upper

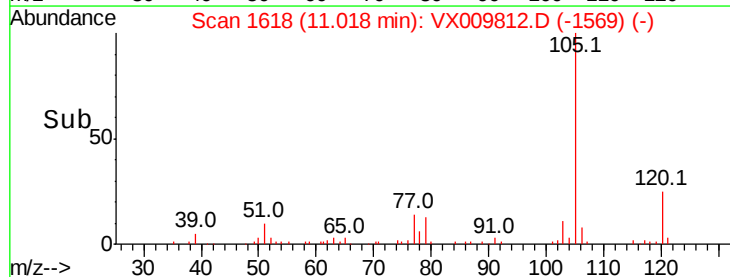
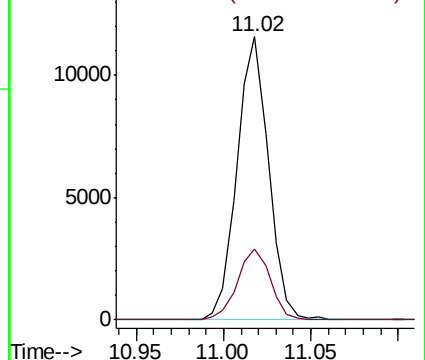
105 100

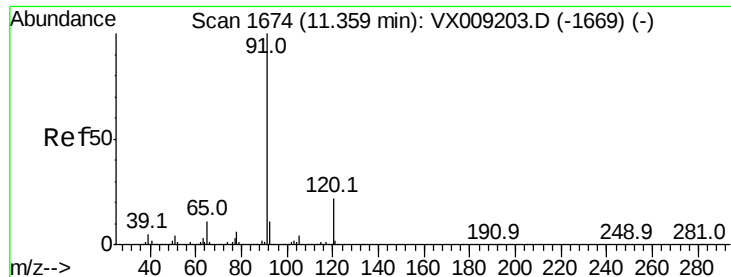
120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.974 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampled :

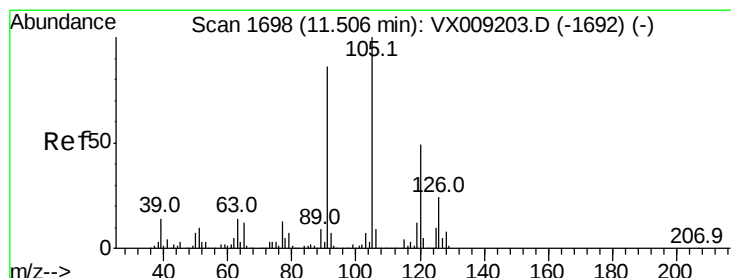
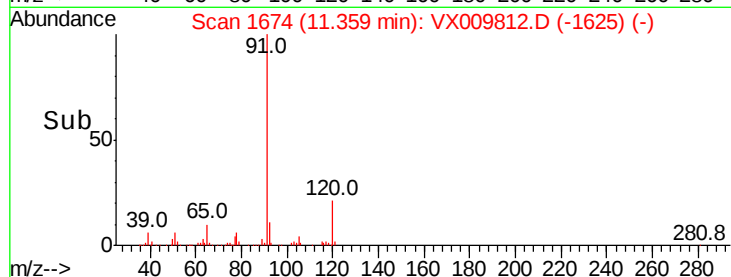
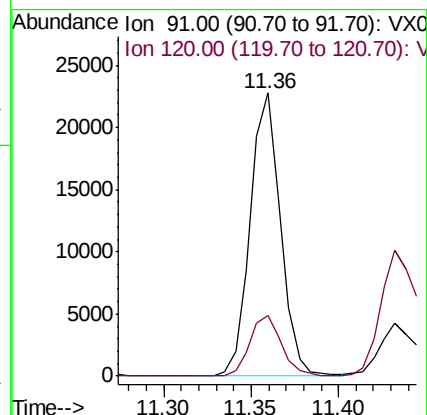
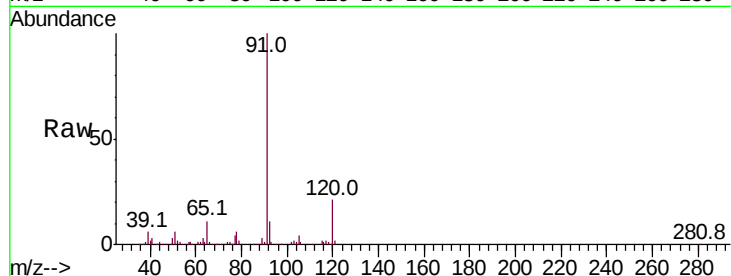
EP1-PZ-FD-02

Tot Ion: 91 Resp: 27511

Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 5.599 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009812.D

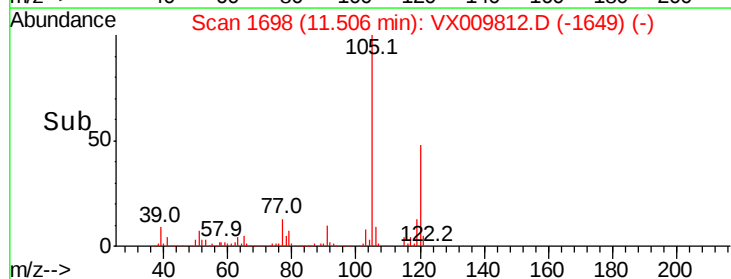
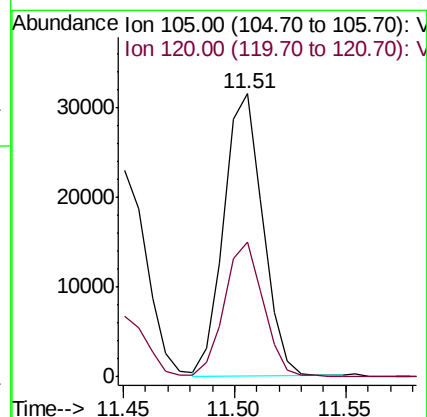
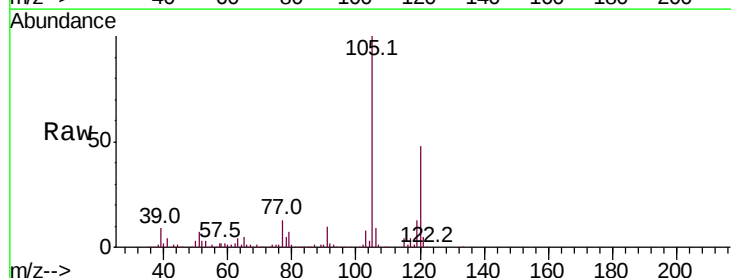
Acq: 22 May 2019 18:17

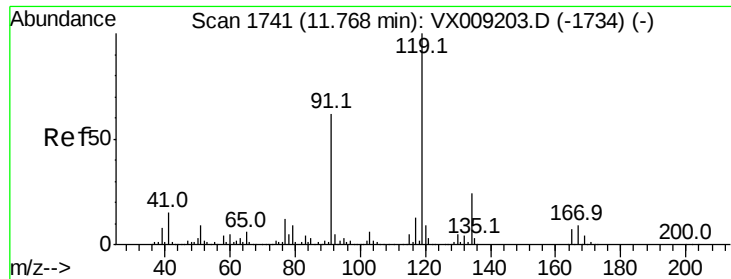
Tgt Ion:105 Resp: 38183

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9

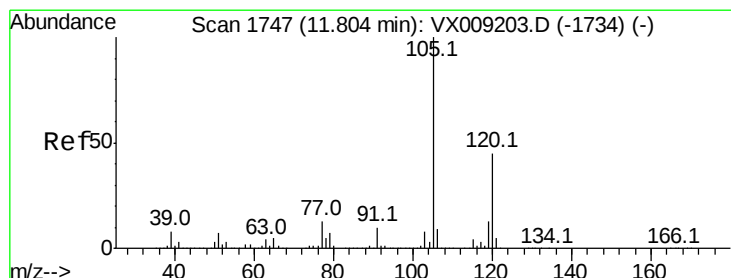
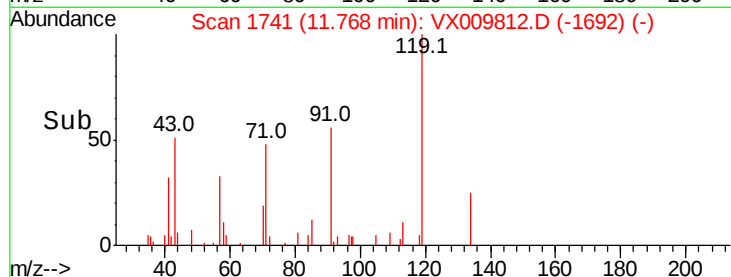
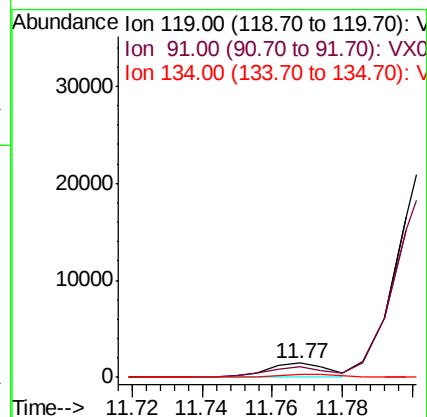
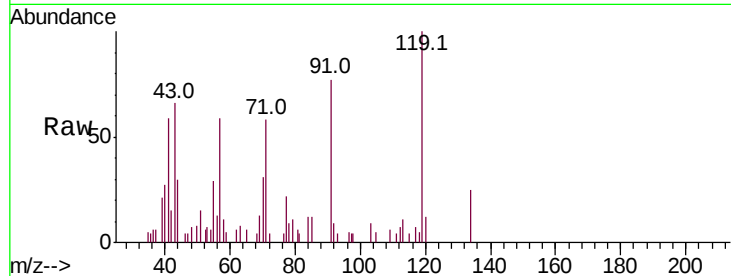




#83
 tert-Butylbenzene
 Concen: 0.266 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009812.D
 Acq: 22 May 2019 18:17

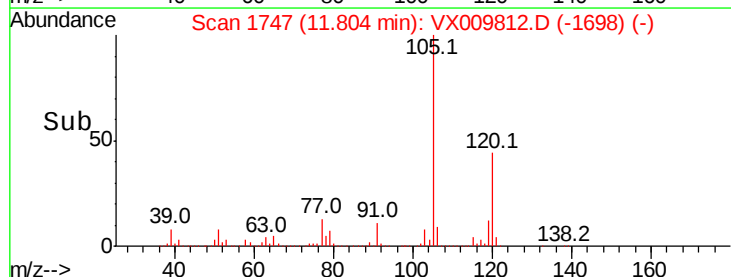
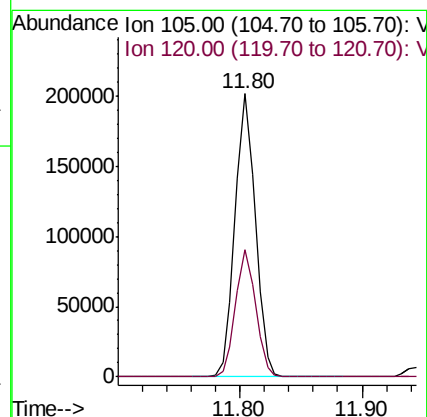
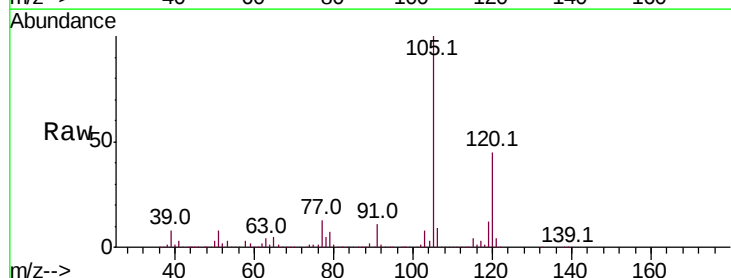
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

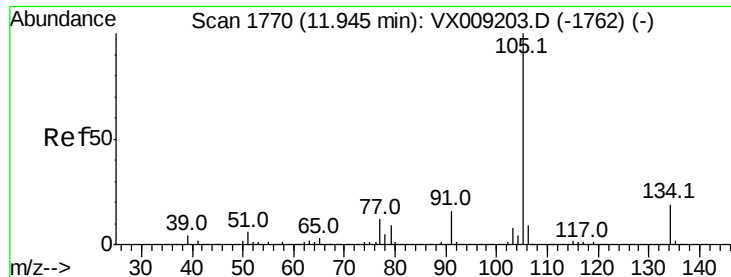
Tot Ion:119 Resp: 1766
 Ion Ratio Lower Upper
 119 100
 91 79.8 29.5 88.5
 134 27.2 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 33.762 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009812.D
 Acq: 22 May 2019 18:17

Tgt Ion:105 Resp: 231101
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.068 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

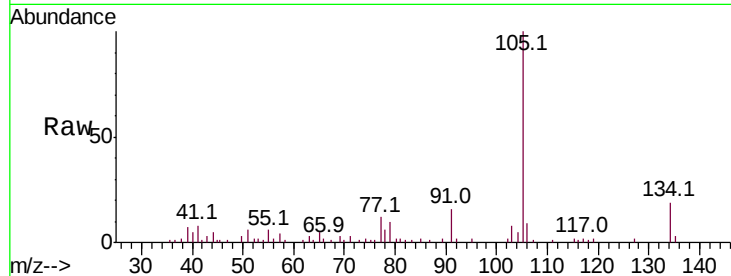
EP1-PZ-FD-02

Tot Ion:105 Resp: 8401

Ion Ratio Lower Upper

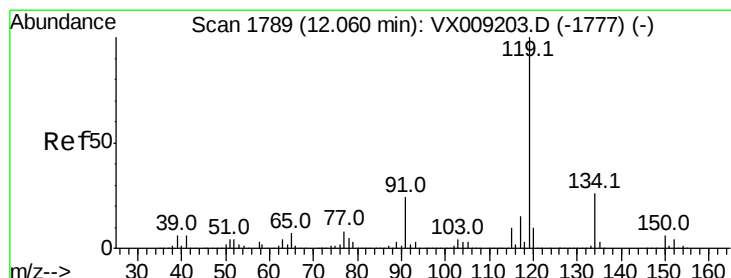
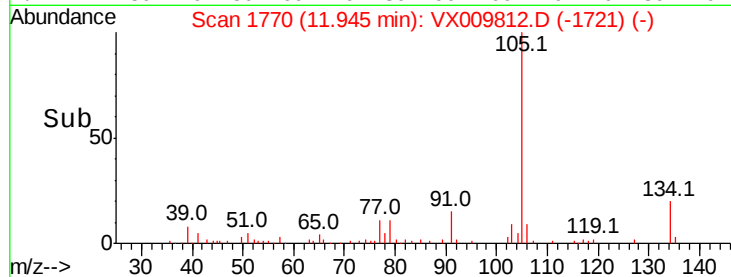
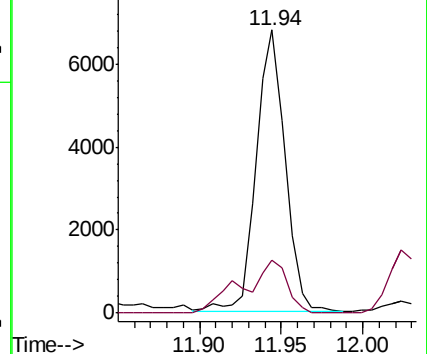
105 100

134 16.7 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.788 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009812.D

Acq: 22 May 2019 18:17

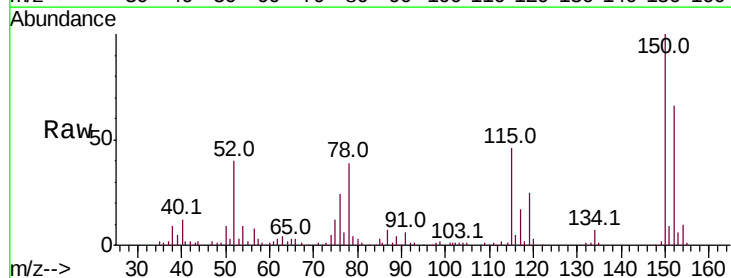
Tgt Ion:119 Resp: 5574

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

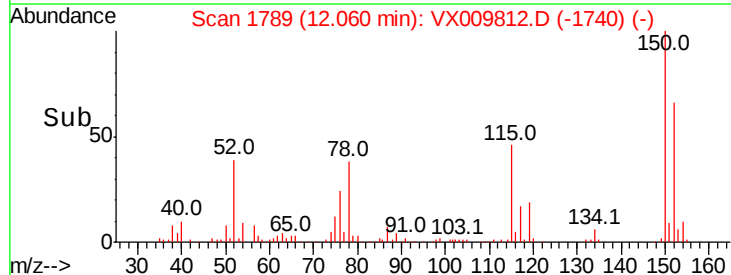
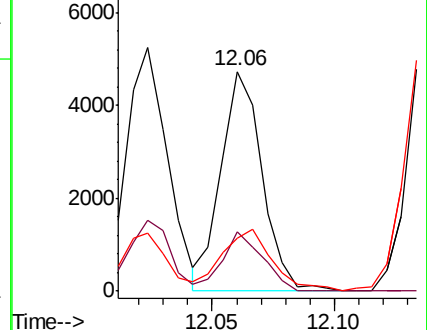
91 34.6 11.8 35.4

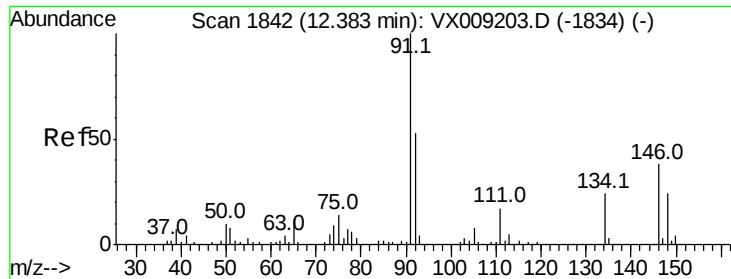


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

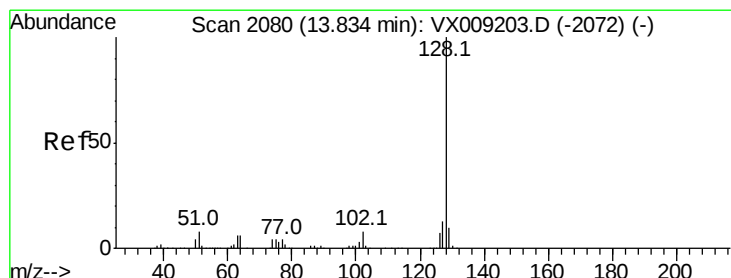
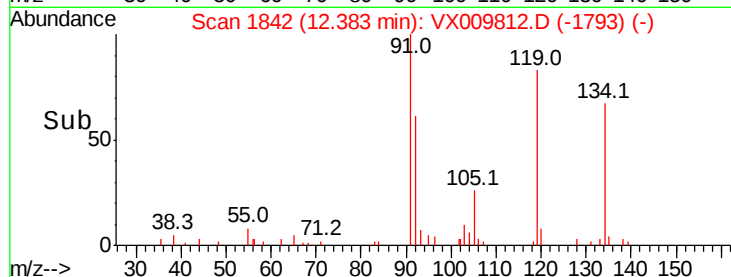
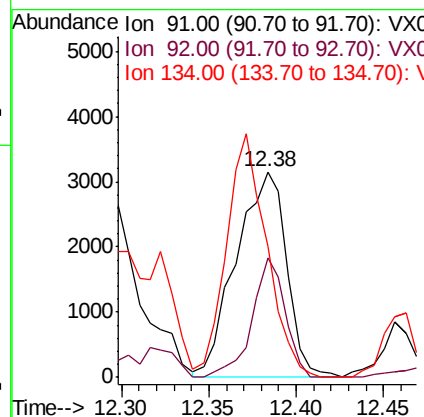
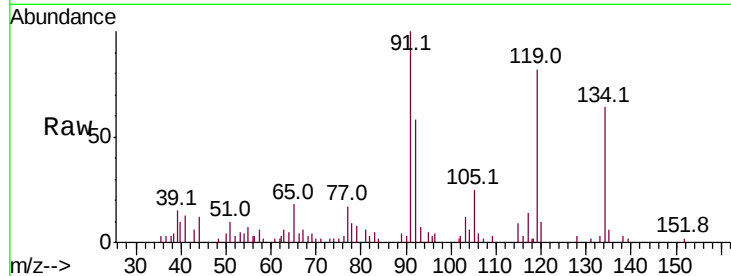




#89
n-Butylbenzene
Concen: 0.989 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

Instrument :
MSVOA_X
ClientSampled :
EP1-PZ-FD-02

Tot Ion: 91 Resp: 6322
Ion Ratio Lower Upper
91 100
92 37.9 26.5 79.5
134 94.5 12.4 37.2#



#95
Naphthalene
Concen: 2.470 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009812.D
Acq: 22 May 2019 18:17

Tgt Ion: 128 Resp: 20055
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 11.5 8.6 13.0

