

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024552.D
 Acq On : 14 Jun 2018 19:58
 Operator : MD/SY
 Sample : J3448-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 N-48966

Quant Time: Jun 15 05:03:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	185166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309102	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	135713	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
35) Dibromofluoromethane	4.89	113	123765	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	7.57	98	459433	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.31	95	174889	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

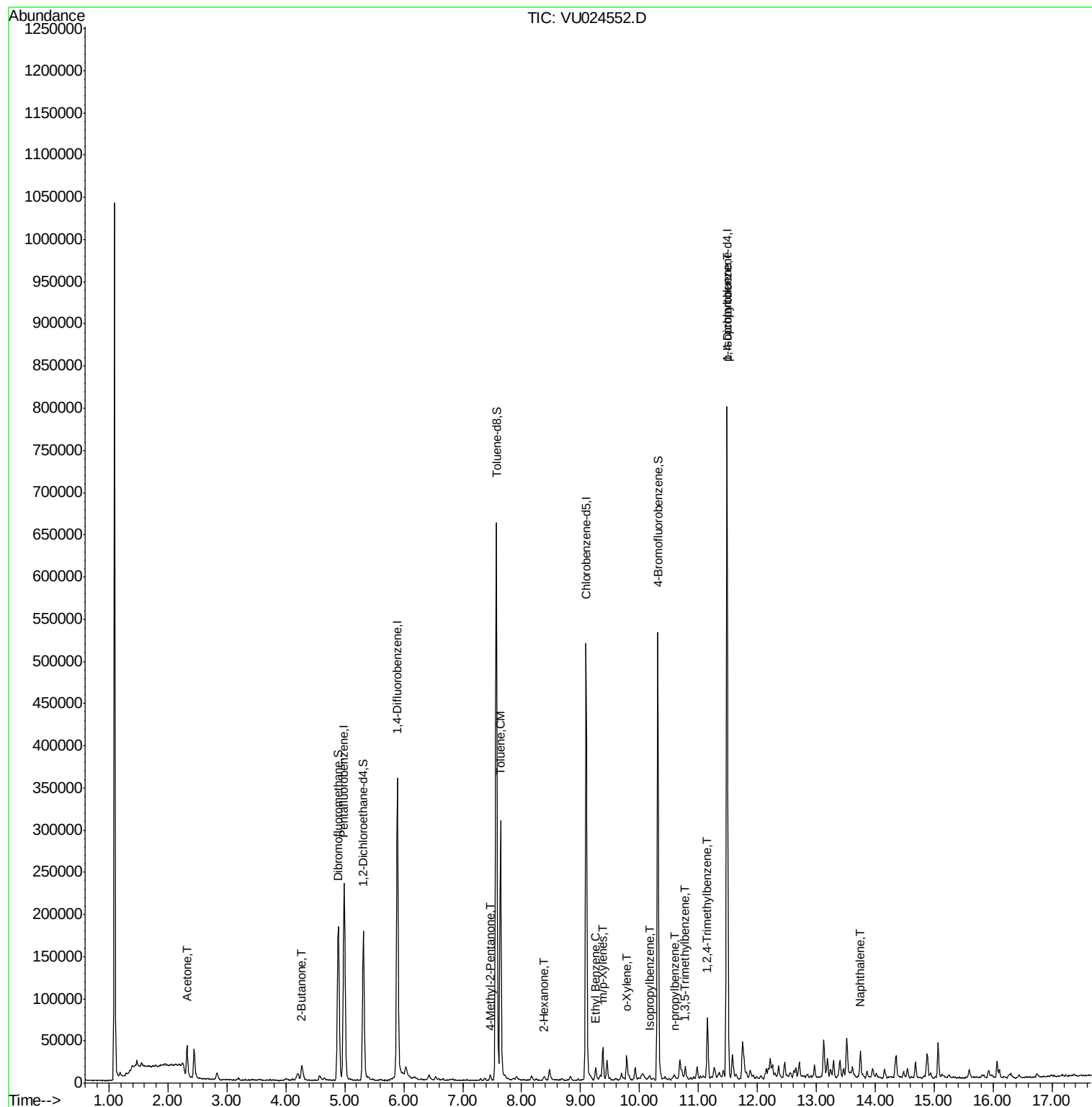
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	36677	22.582	ug/l	96
25) 2-Butanone	4.27	43	28956	13.273	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	4350	1.012	ug/l	94
52) Toluene	7.64	92	128614	19.315	ug/l	99
59) 2-Hexanone	8.38	43	1929	0.550	ug/l	76
67) Ethyl Benzene	9.26	91	10773	0.807	ug/l	99
68) m/p-Xylenes	9.38	106	10840	2.115	ug/l	95
69) o-Xylene	9.79	106	7825	1.543	ug/l	99
73) Isopropylbenzene	10.17	105	2722	0.202	ug/l	98
78) n-propylbenzene	10.59	91	4914	0.310	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	8305	0.711	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	32824	2.759	ug/l	97
86) p-Isopropyltoluene	11.48	119	102491	8.142	ug/l	99
95) Naphthalene	13.75	128	24965	2.588	ug/l	99

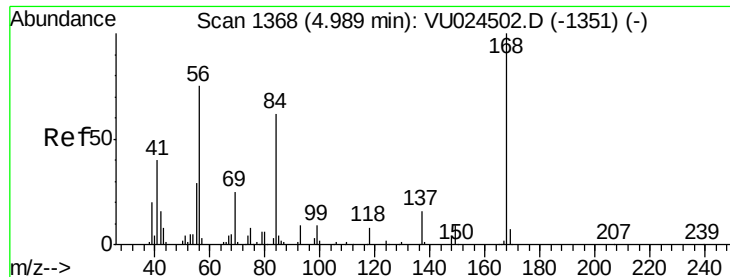
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

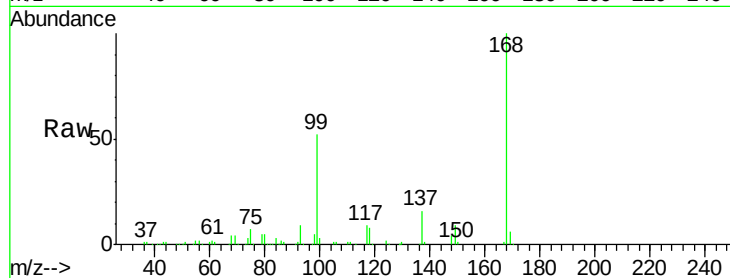
N-48966

Tot Ion:168 Resp: 185166

Ion Ratio Lower Upper

168 100

99 51.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

60000

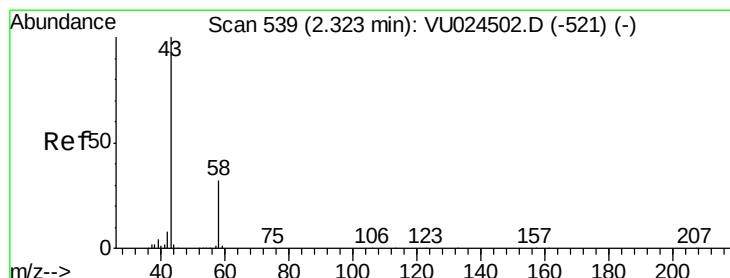
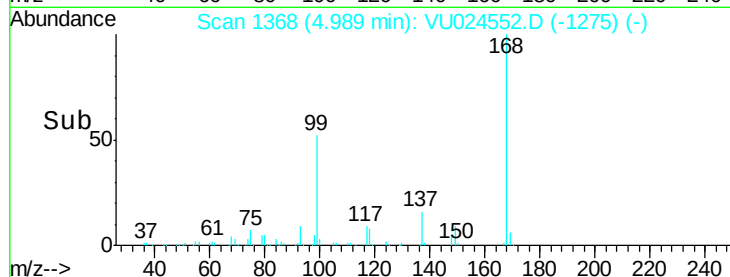
40000

20000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 22.582 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024552.D

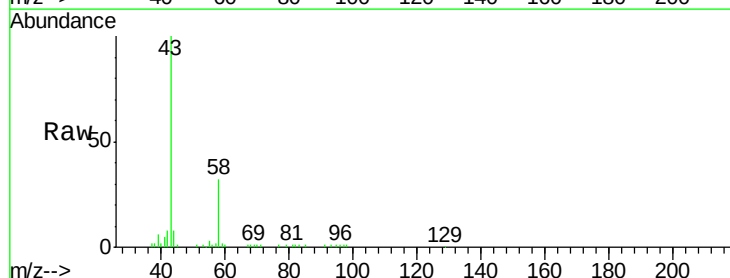
Acq: 14 Jun 2018 19:58

Tgt Ion: 43 Resp: 36677

Ion Ratio Lower Upper

43 100

58 32.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

25000

20000

15000

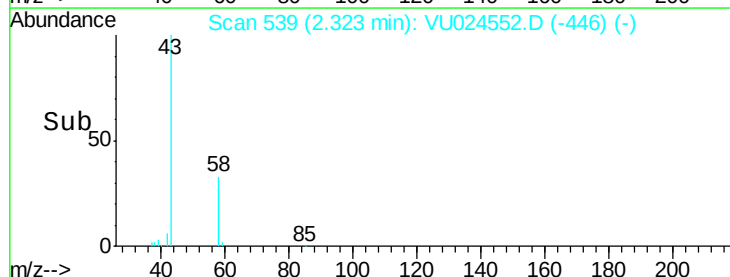
10000

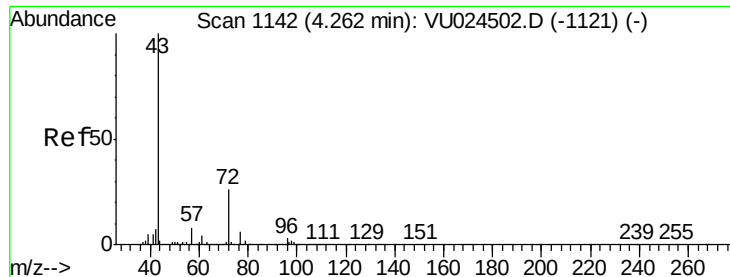
5000

0

2.25 2.30 2.35 2.40

Time-->





#25

2-Butanone

Concen: 13.273 ug/l

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

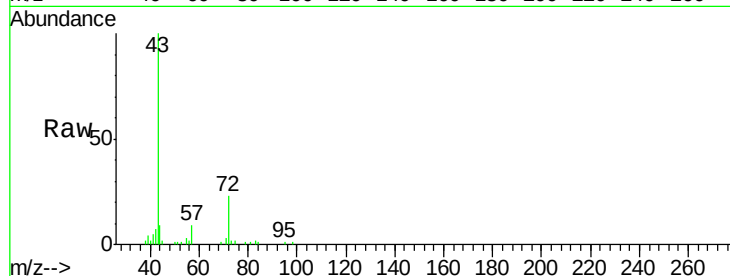
N-48966

Tot Ion: 43 Resp: 28956

Ion Ratio Lower Upper

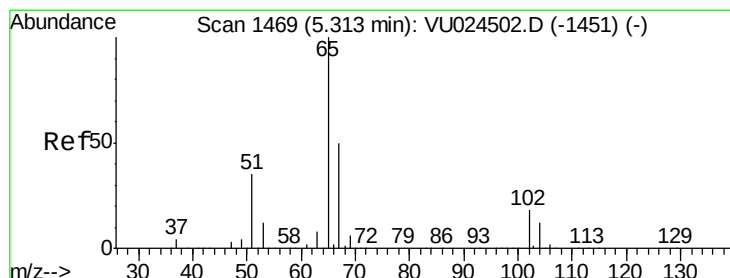
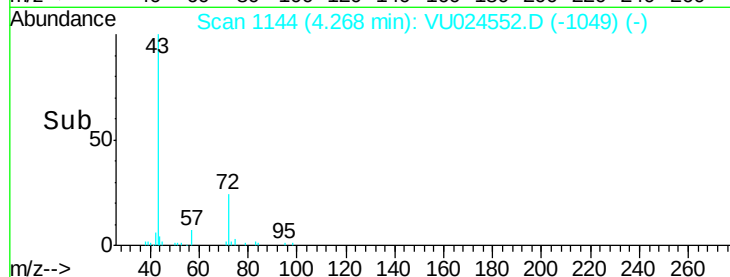
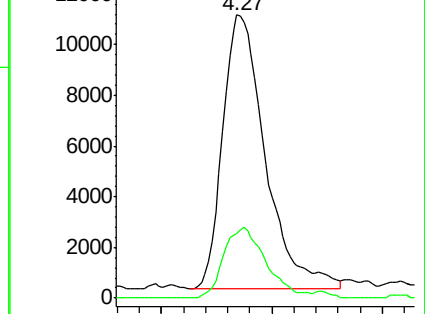
43 100

72 23.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 44.895 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU024552.D

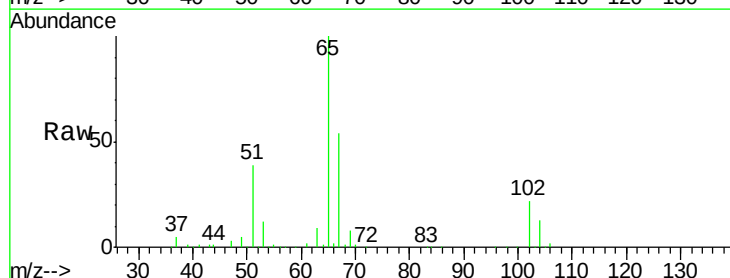
Acq: 14 Jun 2018 19:58

Tgt Ion: 65 Resp: 135713

Ion Ratio Lower Upper

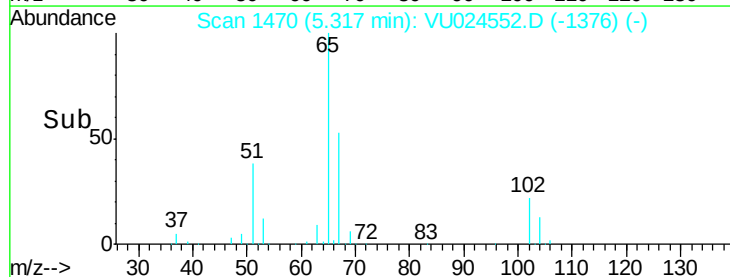
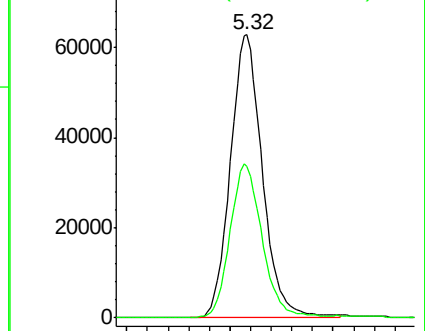
65 100

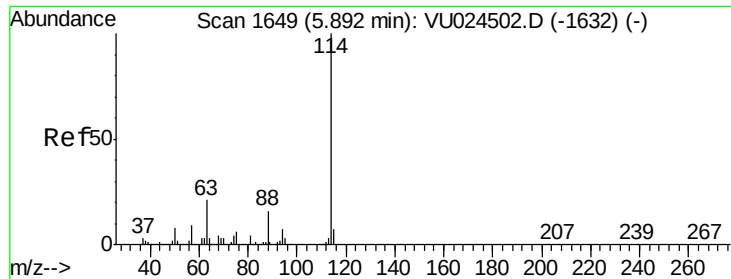
67 54.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

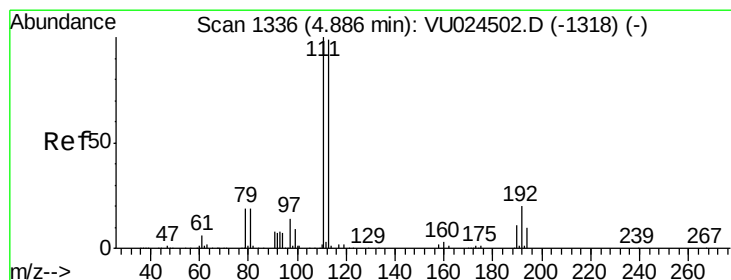
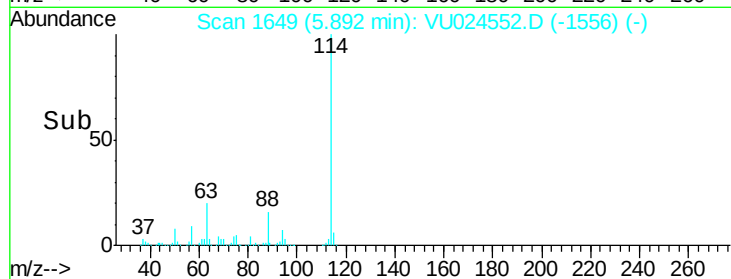
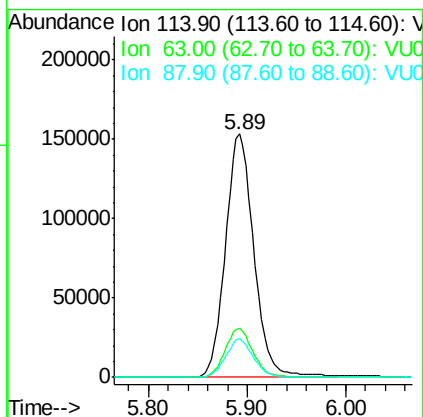
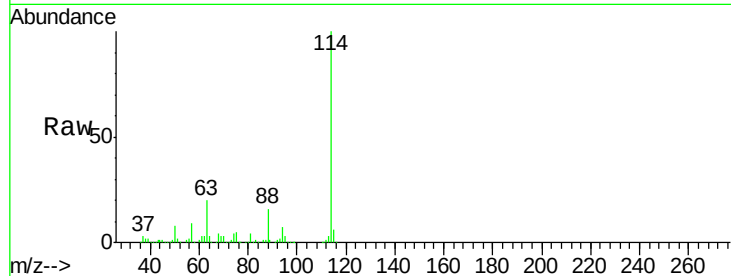




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024552.D
 Acq: 14 Jun 2018 19:58

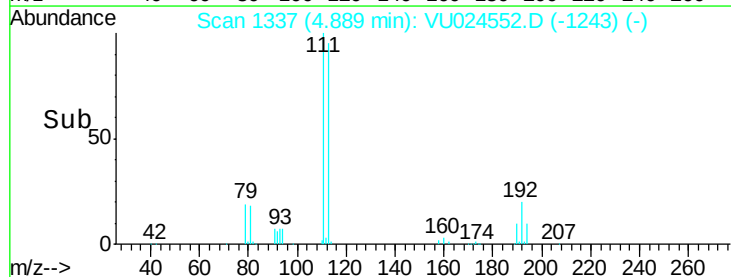
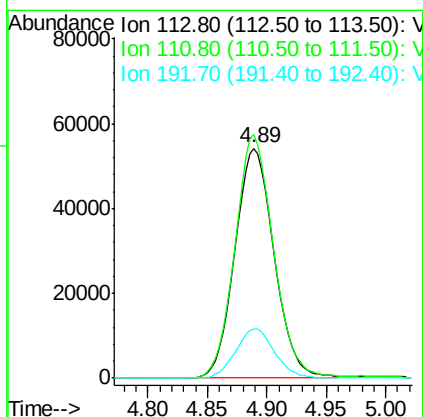
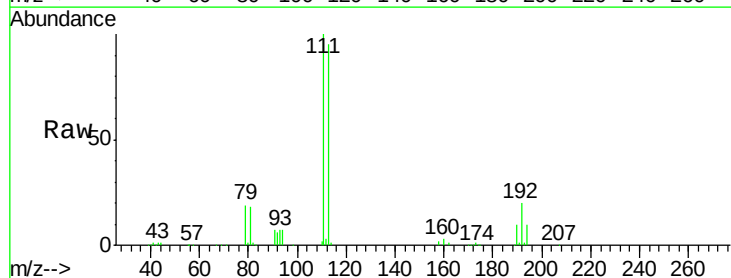
Instrument :
 MSVOA_U
 ClientSampleId :
 N-48966

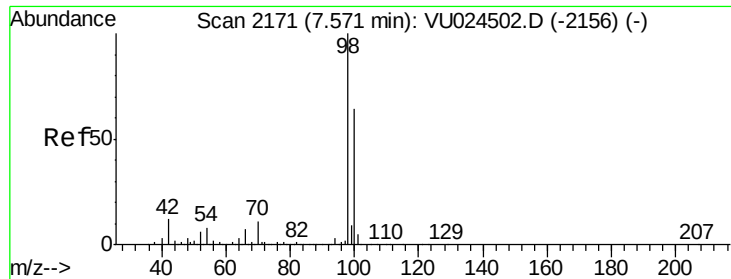
Tot Ion:	114	Resp:	309102
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.8	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 48.246 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024552.D
 Acq: 14 Jun 2018 19:58

Tgt Ion:	113	Resp:	123765
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	21.4	16.2	24.4

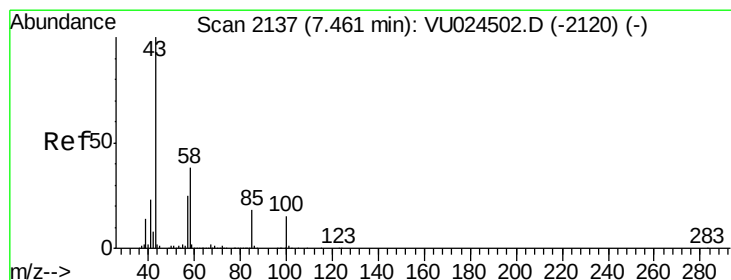
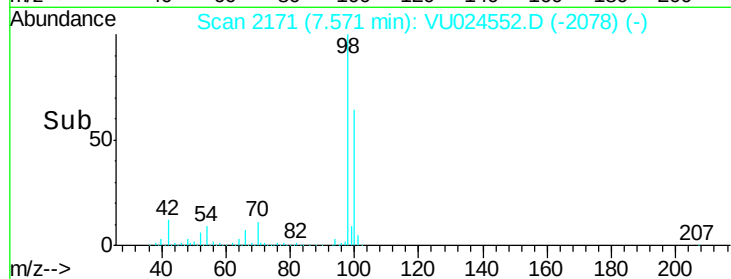
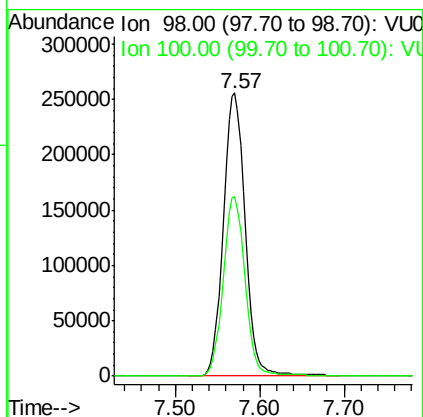
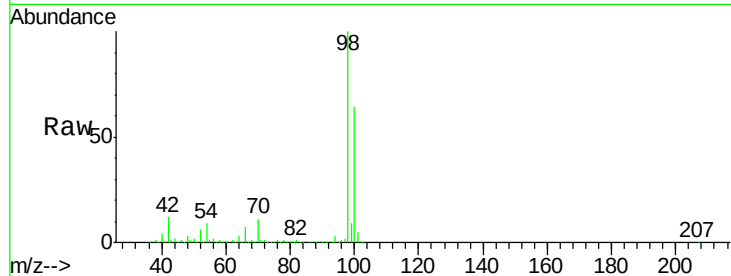




#50
Toluene-d8
Concen: 49.099 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

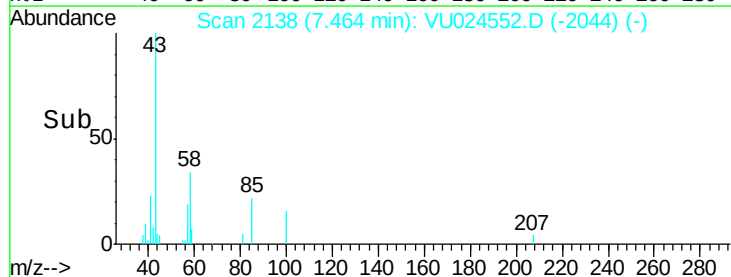
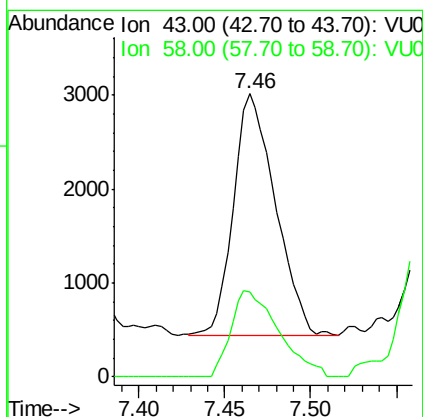
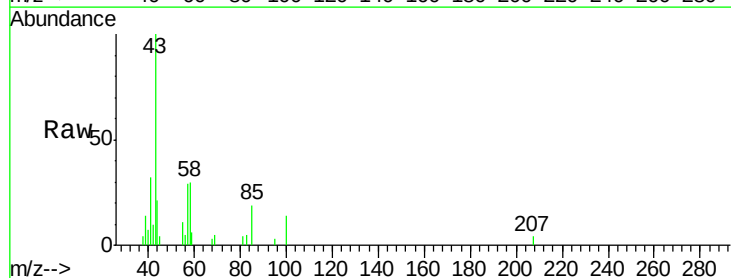
Instrument :
MSVOA_U
ClientSampleId :
N-48966

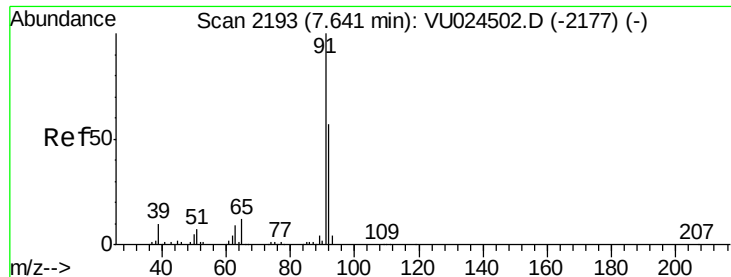
Tot Ion: 98 Resp: 459433
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Tgt Ion: 43 Resp: 4350
Ion Ratio Lower Upper
43 100
58 40.9 30.0 45.0





#52

Toluene

Concen: 19.315 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

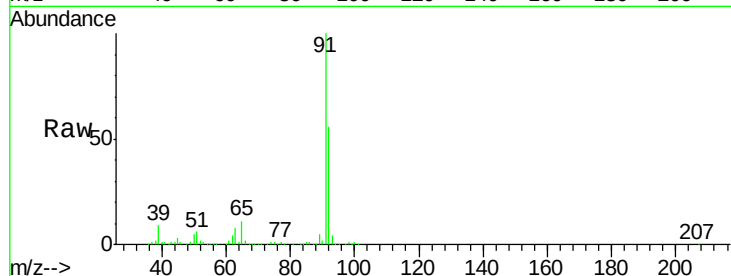
N-48966

Tot Ion: 92 Resp: 128614

Ion Ratio Lower Upper

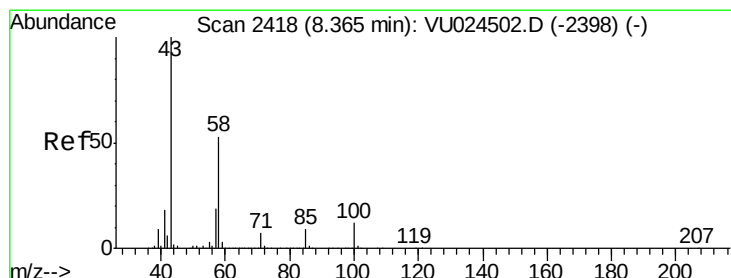
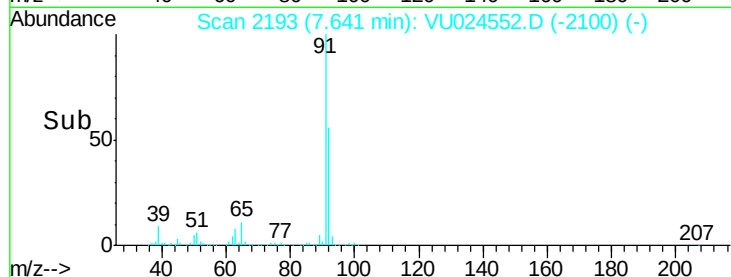
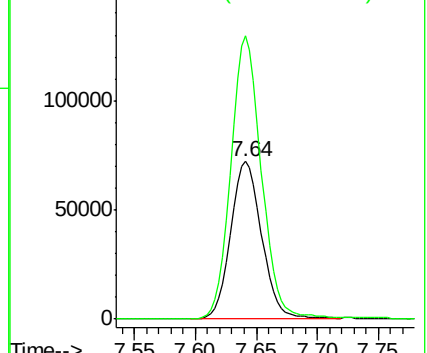
92 100

91 177.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#59

2-Hexanone

Concen: 0.550 ug/l

RT: 8.38 min Scan# 2422

Delta R.T. 0.01 min

Lab File: VU024552.D

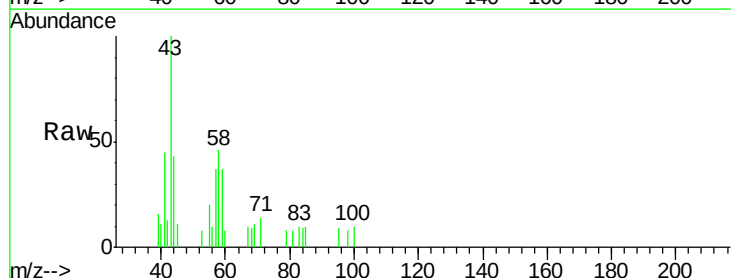
Acq: 14 Jun 2018 19:58

Tgt Ion: 43 Resp: 1929

Ion Ratio Lower Upper

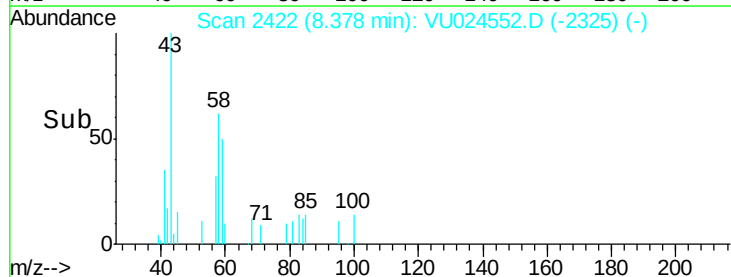
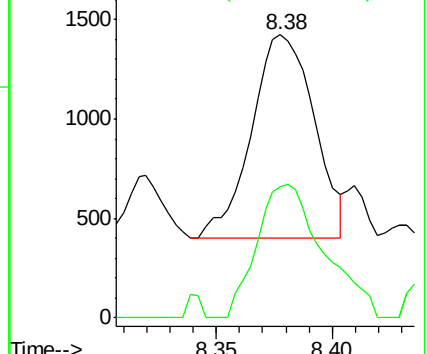
43 100

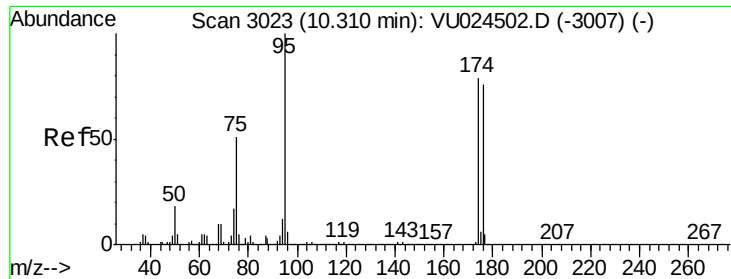
58 69.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

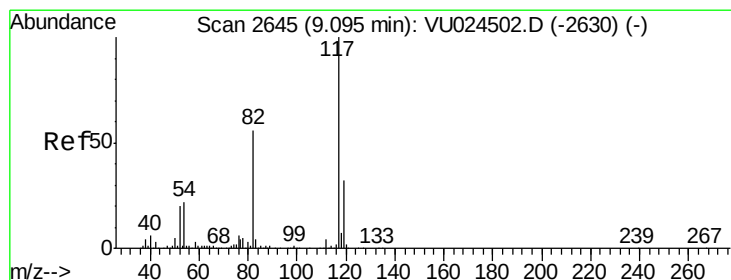
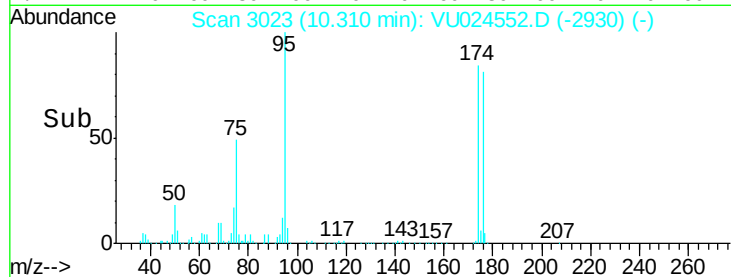
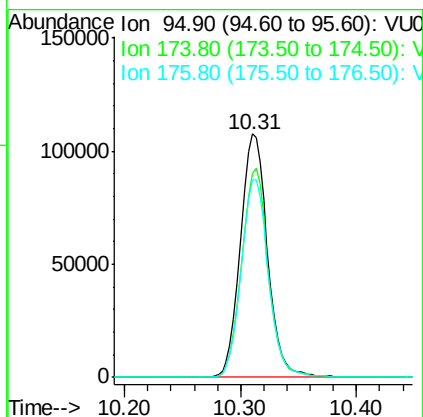
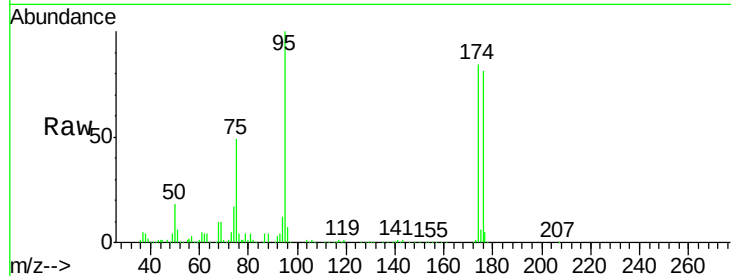




#62
4-Bromofluorobenzene
Concen: 47.074 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

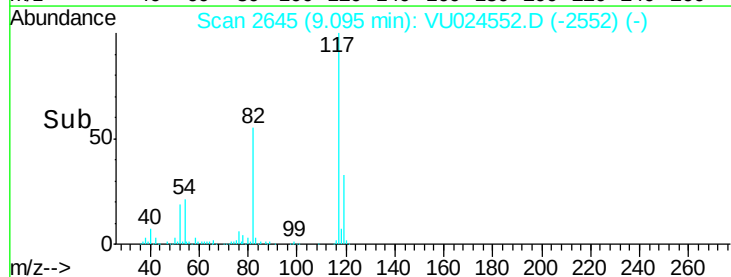
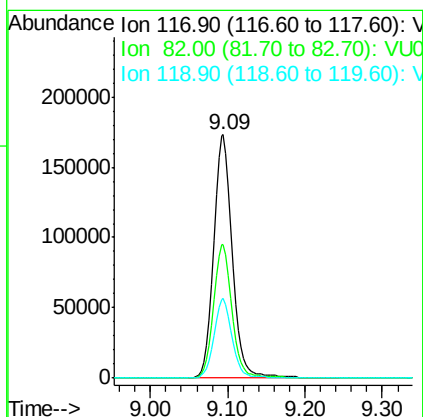
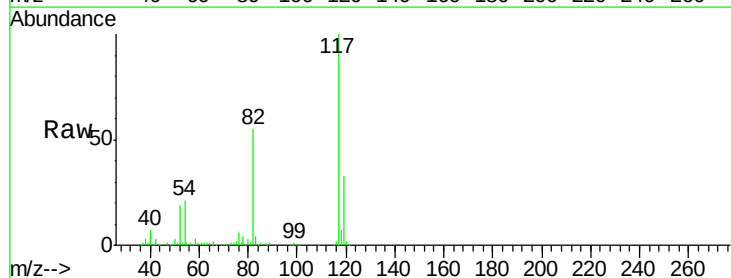
Instrument :
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ClientSampleId :
N-48966

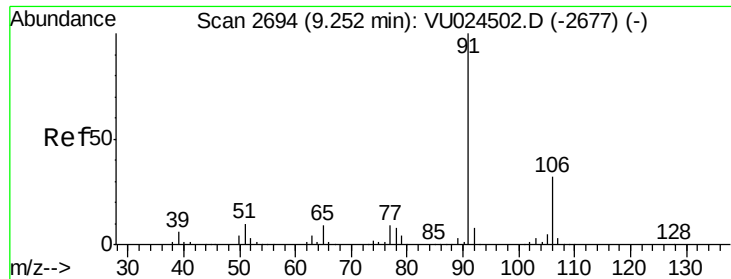
Tot Ion	95	Resp	174	Ratio	Lower	Upper
95	100					
174	84.5	0.0	165.8			
176	82.0	0.0	159.4			



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Tgt Ion	117	Resp	298004	Ratio	Lower	Upper
117	100					
82	54.9	44.3	66.5			
119	32.7	25.4	38.2			





#67

Ethyl Benzene

Concen: 0.807 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

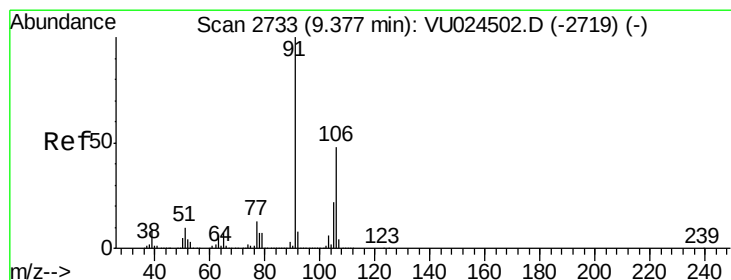
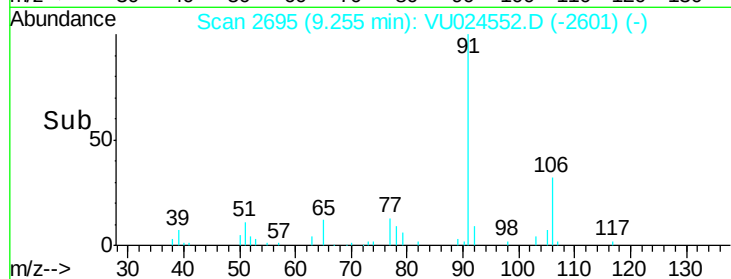
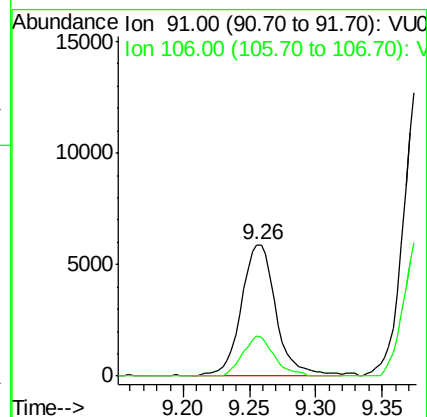
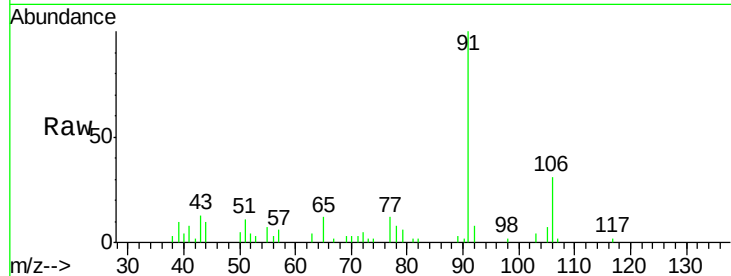
N-48966

Tot Ion: 91 Resp: 10773

Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.4



#68

m/p-Xylenes

Concen: 2.115 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024552.D

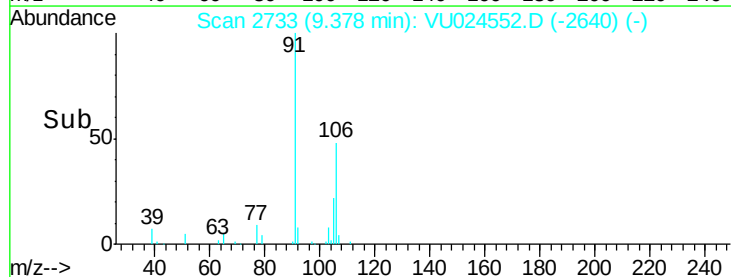
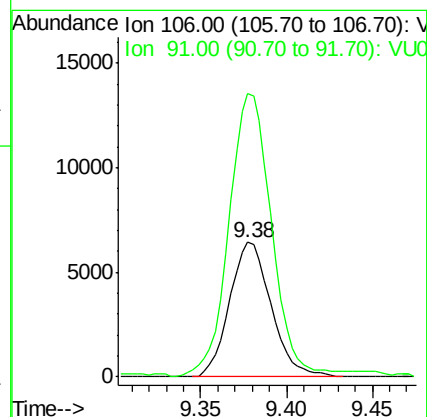
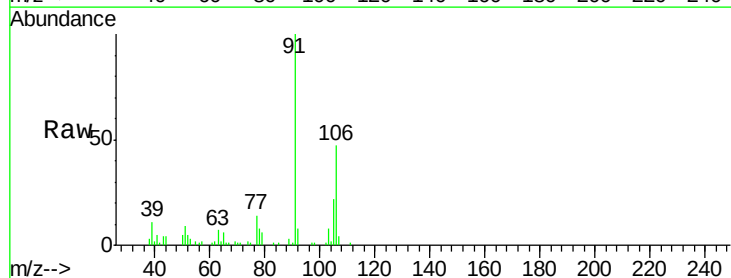
Acq: 14 Jun 2018 19:58

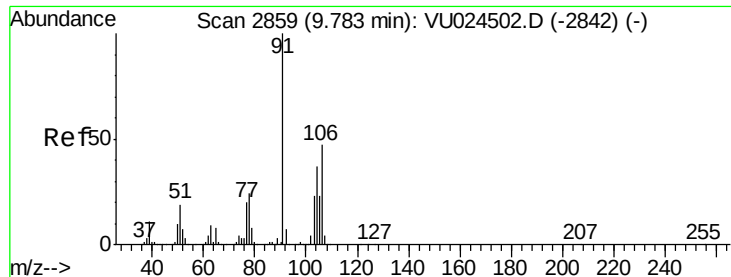
Tgt Ion: 106 Resp: 10840

Ion Ratio Lower Upper

106 100

91 215.2 166.5 249.7

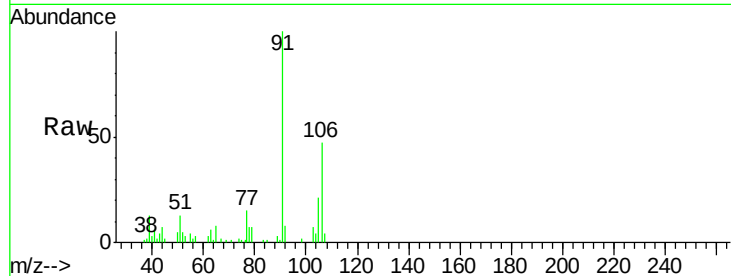




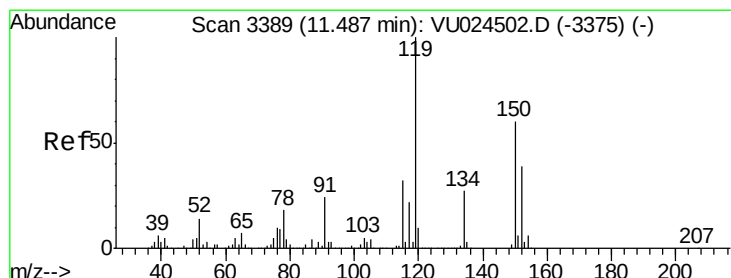
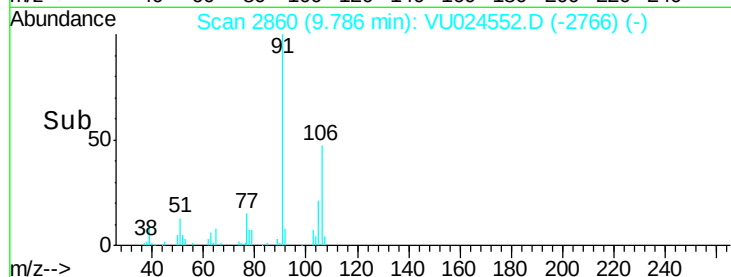
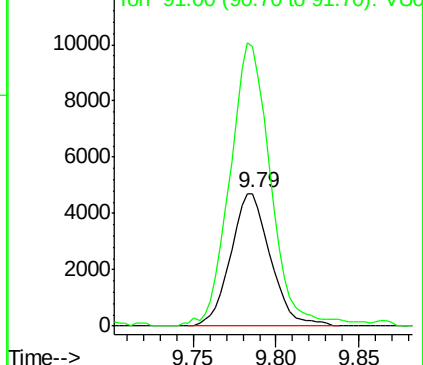
#69
o-Xylene
Concen: 1.543 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Instrument :
MSVOA_U
ClientSampled :
N-48966

Tot Ion:106 Resp: 7825
Ion Ratio Lower Upper
106 100
91 220.2 110.7 331.9

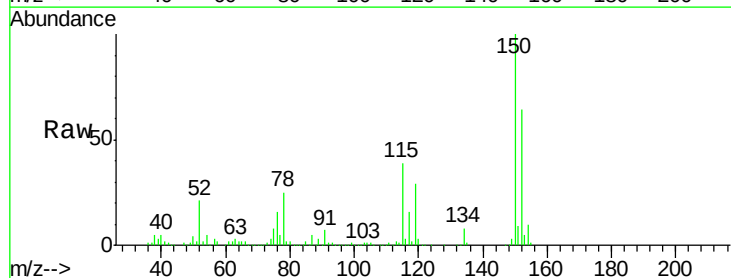


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

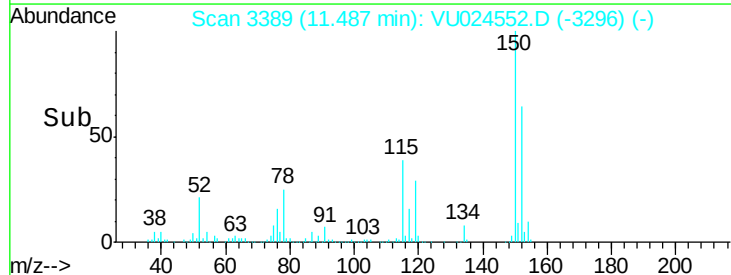
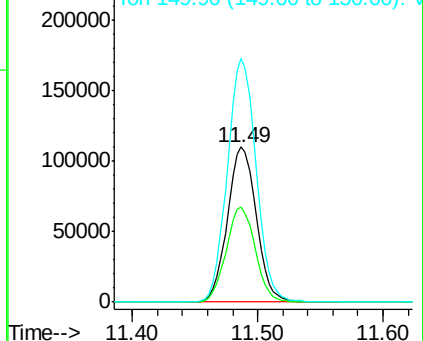


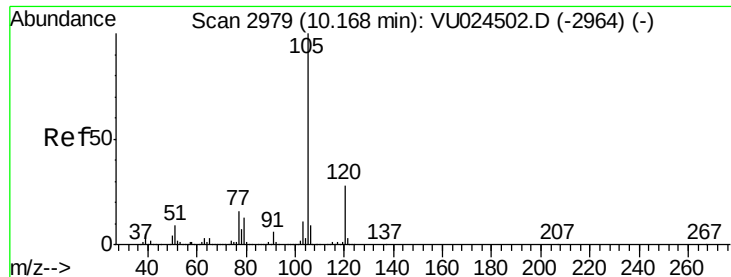
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Tgt Ion:152 Resp: 175421
Ion Ratio Lower Upper
152 100
115 61.7 43.0 129.0
150 156.8 0.0 354.0



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: 0.202 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

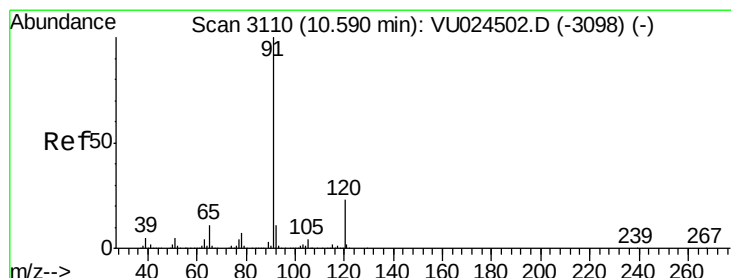
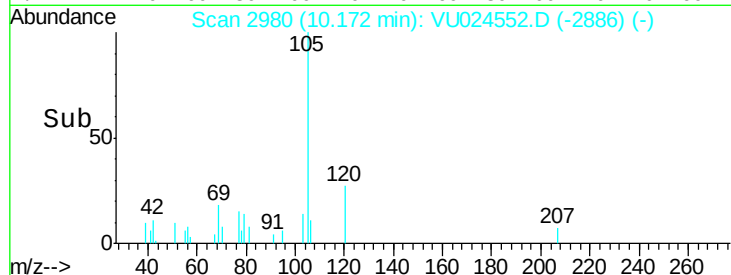
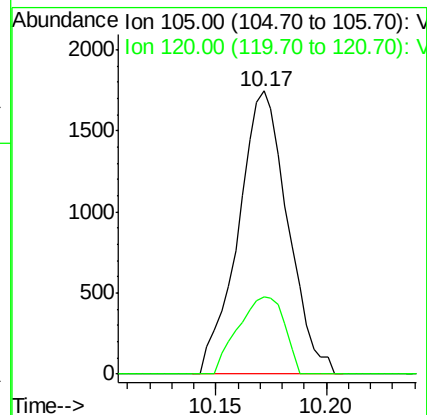
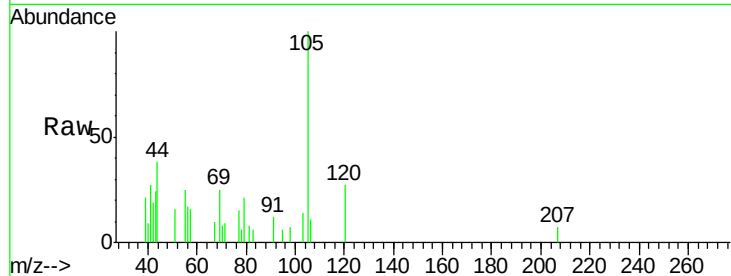
N-48966

Tot Ion:105 Resp: 2722

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.6



#78

n-propylbenzene

Concen: 0.310 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024552.D

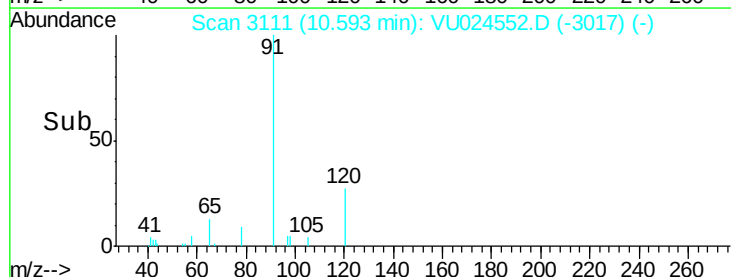
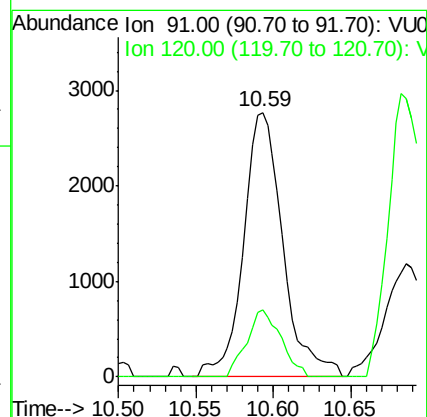
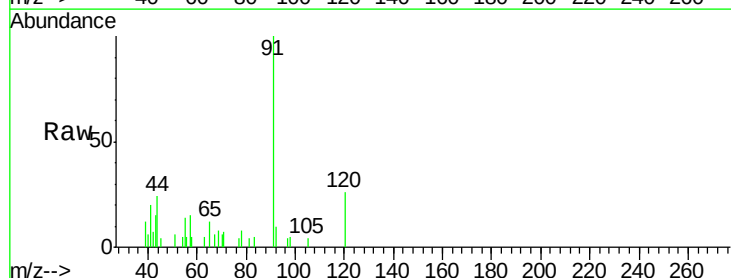
Acq: 14 Jun 2018 19:58

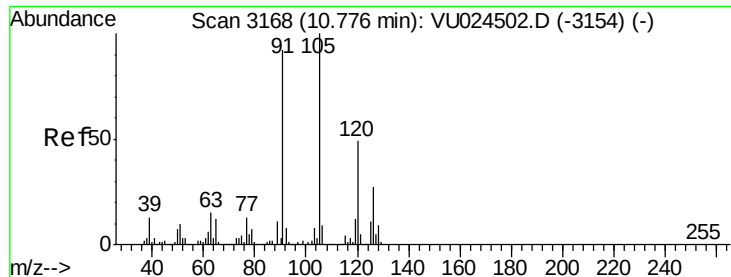
Tgt Ion: 91 Resp: 4914

Ion Ratio Lower Upper

91 100

120 21.9 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 0.711 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024552.D

Acq: 14 Jun 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

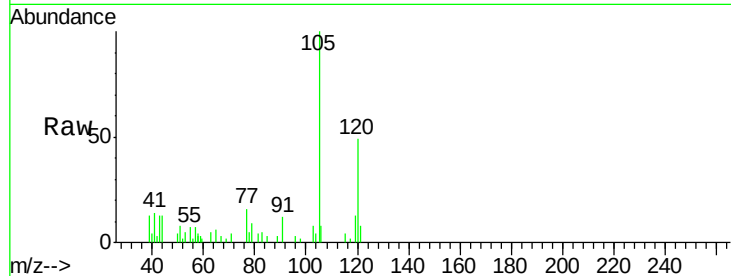
N-48966

Tot Ion:105 Resp: 8305

Ion Ratio Lower Upper

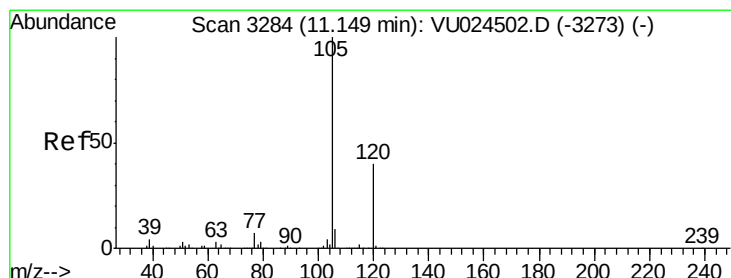
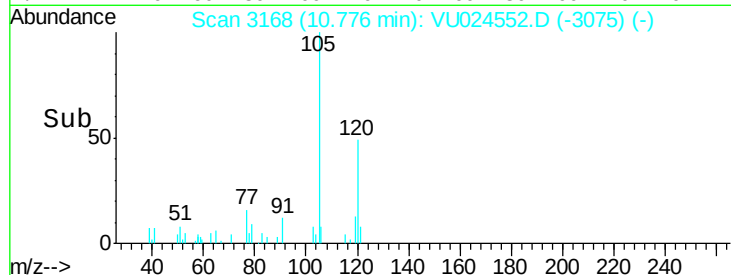
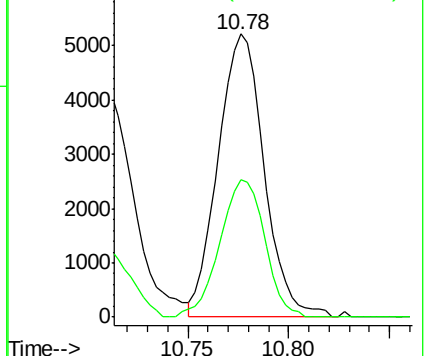
105 100

120 47.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.759 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024552.D

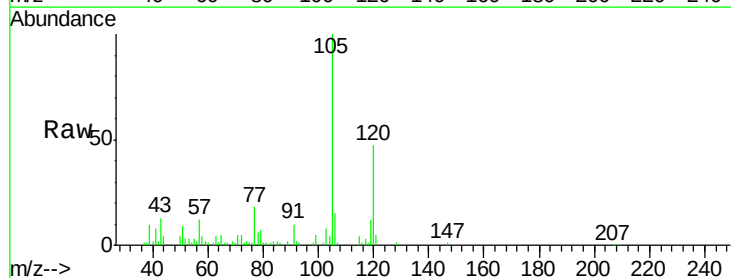
Acq: 14 Jun 2018 19:58

Tgt Ion:105 Resp: 32824

Ion Ratio Lower Upper

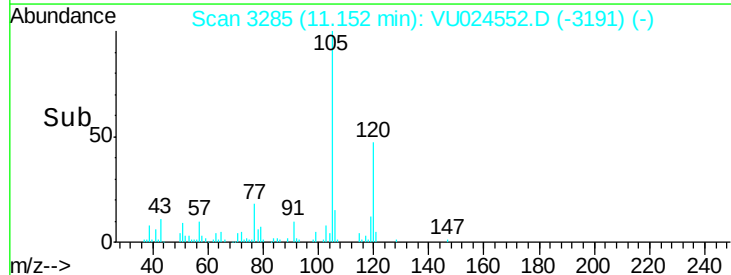
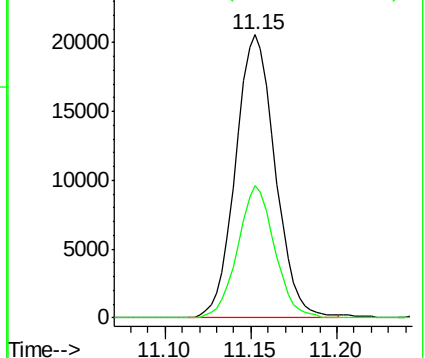
105 100

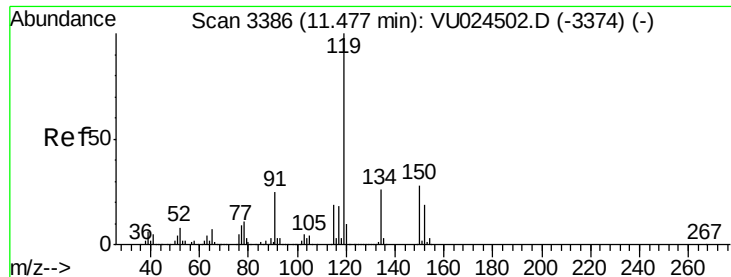
120 43.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

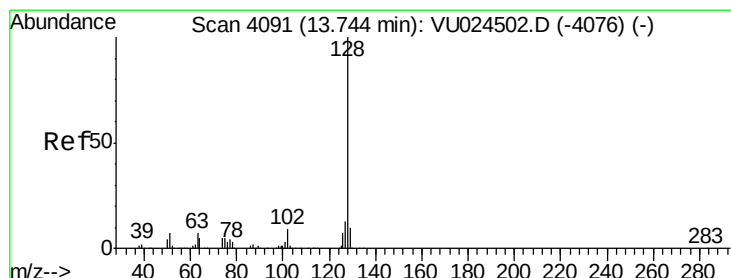
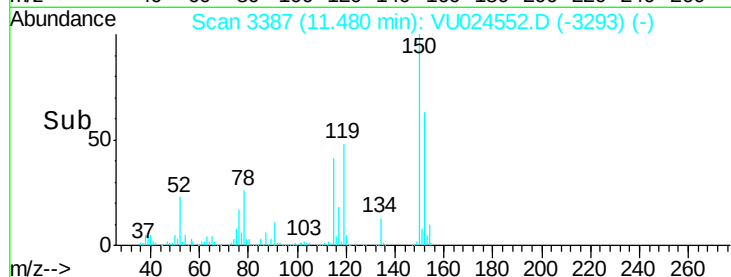
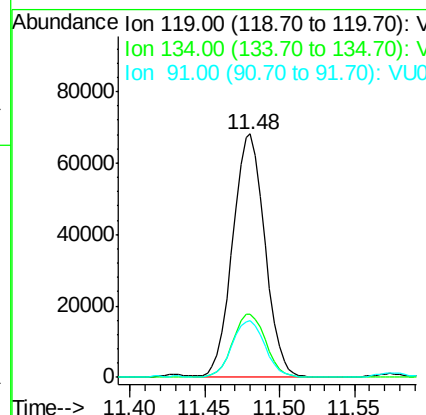
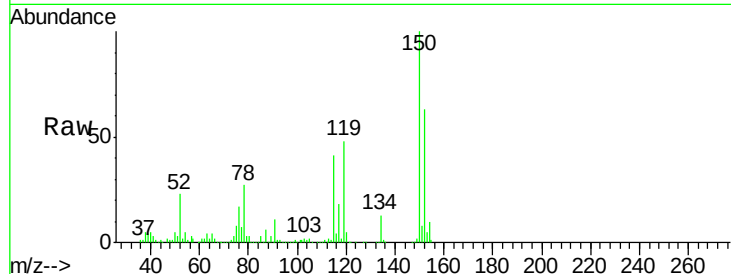




#86
p-Isopropyltoluene
Concen: 8.142 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Instrument :
MSVOA_U
ClientSampled :
N-48966

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.9	38.6
91	23.6	12.0	36.1



#95
Naphthalene
Concen: 2.588 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024552.D
Acq: 14 Jun 2018 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.8	8.6	12.8

