

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027263.D
 Acq On : 28 Sep 2018 11:59
 Operator : MD/SY
 Sample : J5038-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ER1-092018

Quant Time: Sep 28 16:17:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

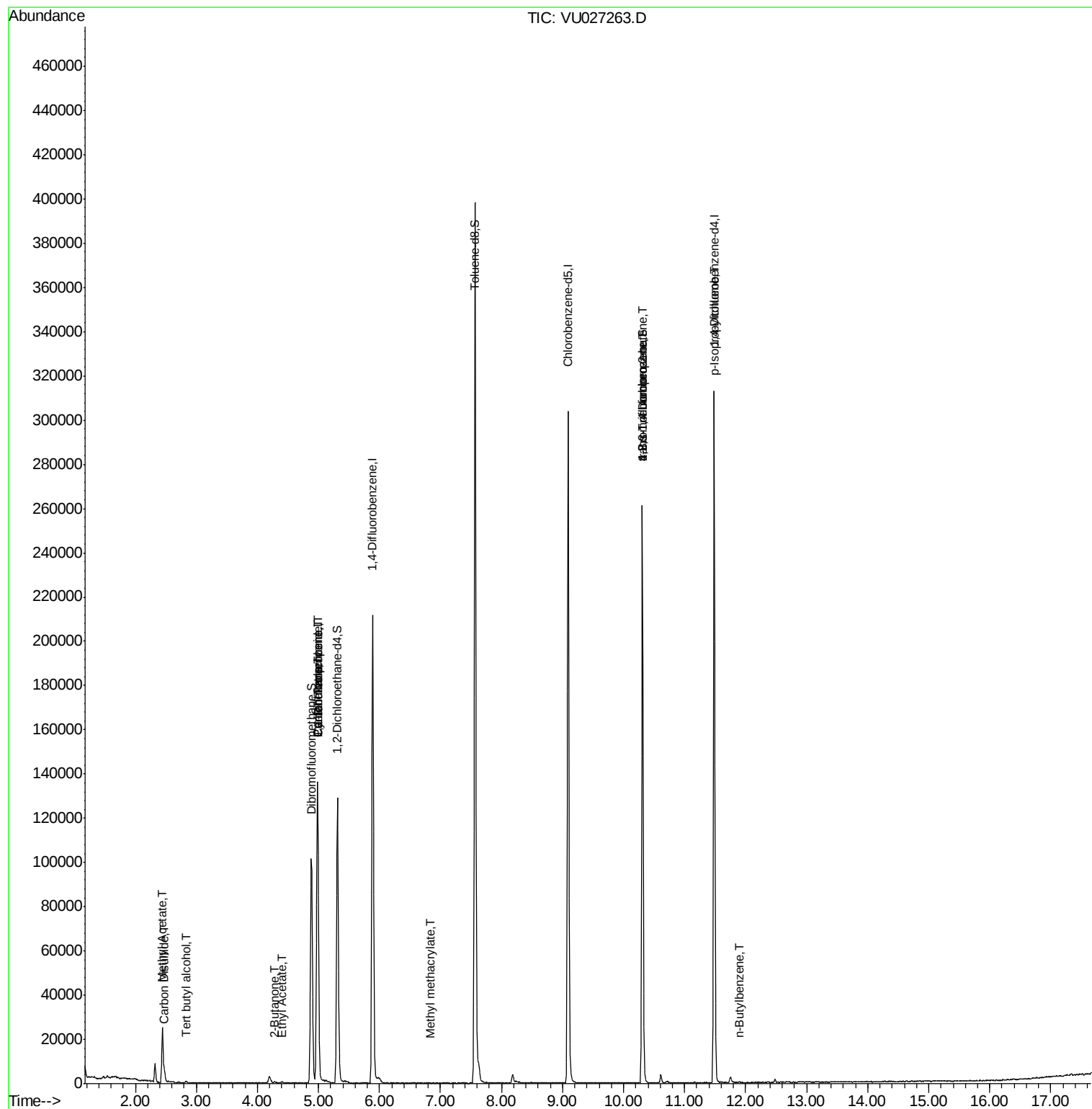
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	96613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164189	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74230	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	100153	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
35) Dibromofluoromethane	4.88	113	70226	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	7.57	98	263142	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	10.31	95	86416	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	607	1.362	ug/l #	72
16) Acetone	2.32	43	9093	Below Cal		94
17) Carbon Disulfide	2.48	76	5096	1.172	ug/l	96
18) Methyl Acetate	2.44	43	6446	2.329	ug/l #	55
25) 2-Butanone	4.29	43	947	0.580	ug/l #	77
31) Cyclohexane	4.99	56	2470	0.280	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9020	4.116	ug/l #	49
37) Ethyl Acetate	4.40	43	1062	0.358	ug/l #	70
38) Carbon Tetrachloride	4.99	117	10151	4.868	ug/l #	18
48) Methyl methacrylate	6.83	41	44	1.030	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	46196	20.485	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46196	65.556	ug/l #	100
86) p-Isopropyltoluene	11.47	119	20	0.931	ug/l #	1
89) n-Butylbenzene	11.89	91	206	2.431	ug/l #	33

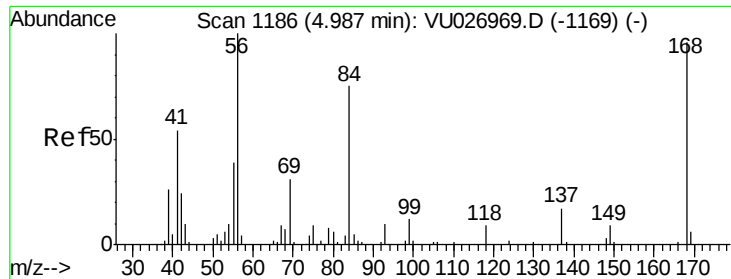
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

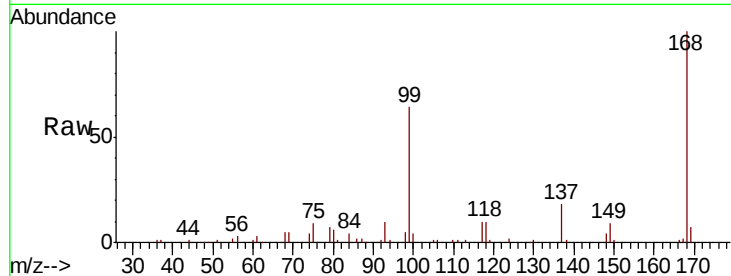
ER1-092018

Tot Ion:168 Resp: 96613

Ion Ratio Lower Upper

168 100

99 63.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

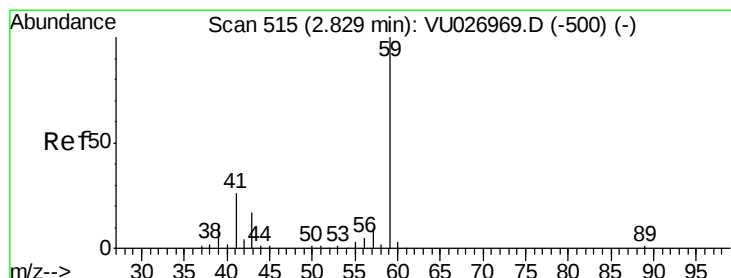
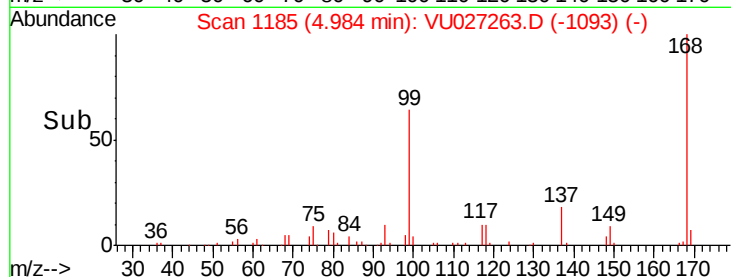
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 1.362 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027263.D

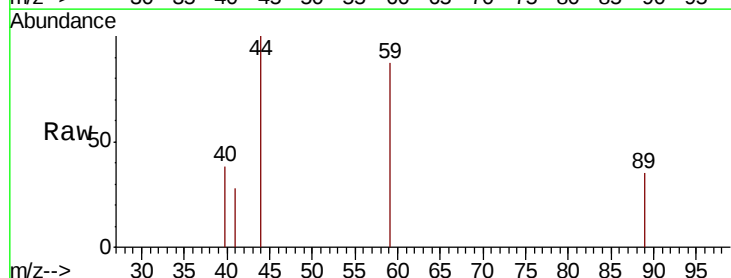
Acq: 28 Sep 2018 11:59

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.83

400

300

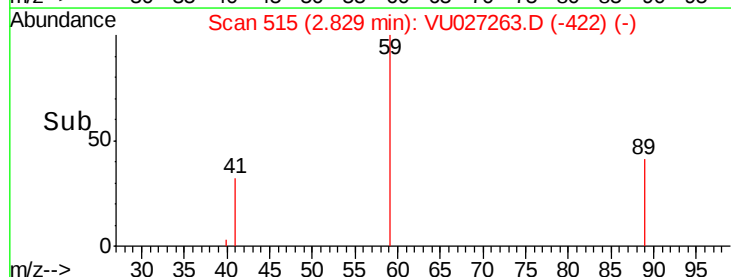
200

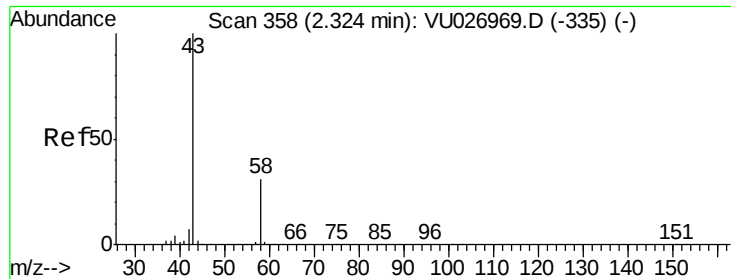
100

0

2.80 2.85

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

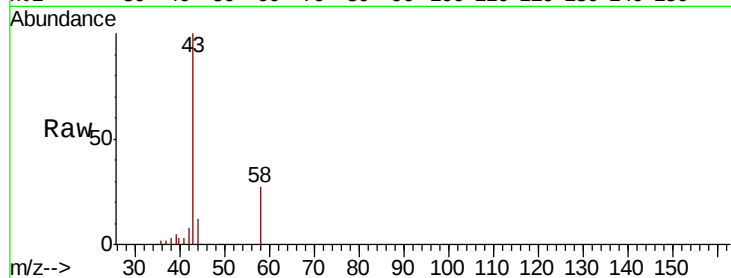
ER1-092018

Tot Ion: 43 Resp: 9093

Ion Ratio Lower Upper

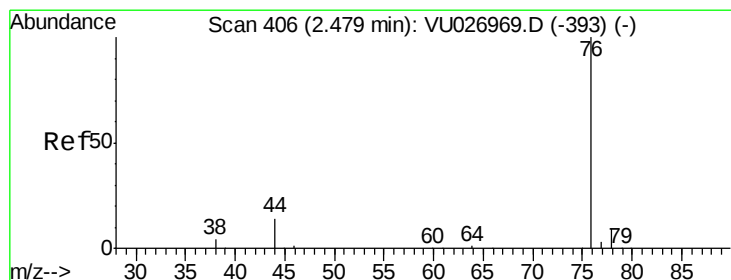
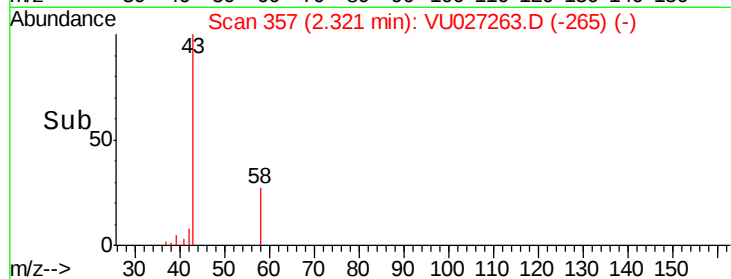
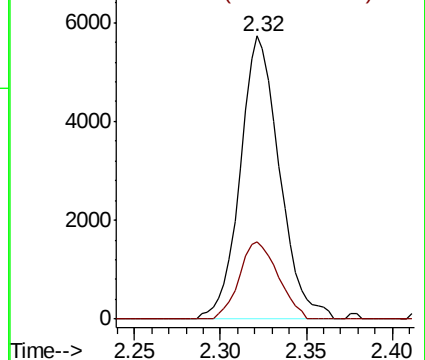
43 100

58 27.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 1.172 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027263.D

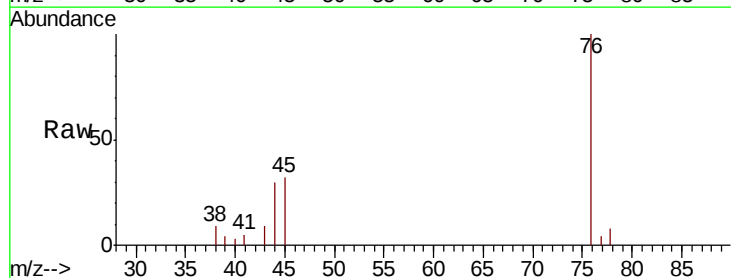
Acq: 28 Sep 2018 11:59

Tgt Ion: 76 Resp: 5096

Ion Ratio Lower Upper

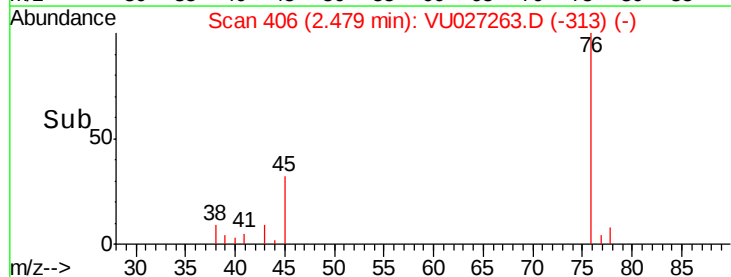
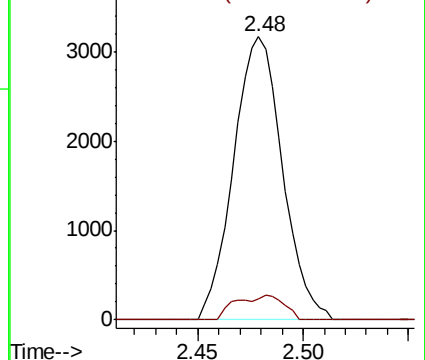
76 100

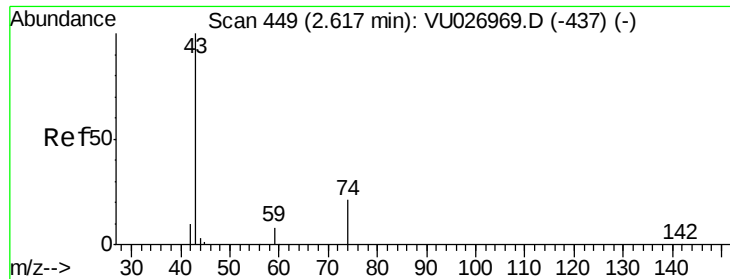
78 7.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

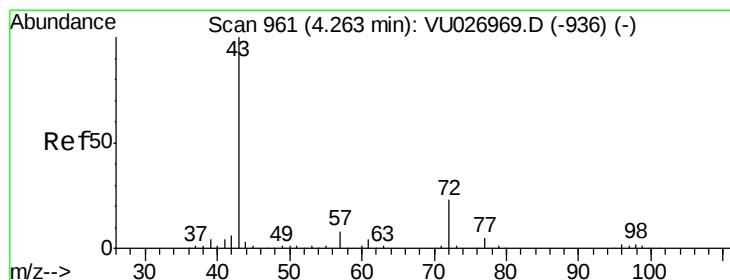
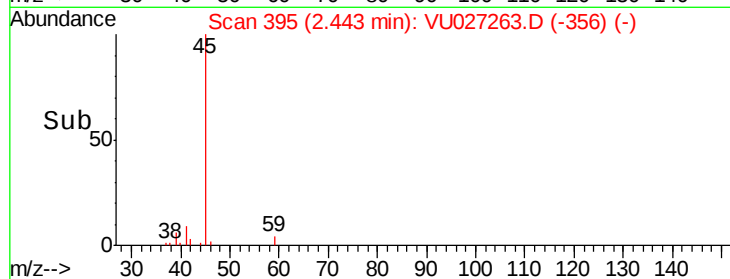
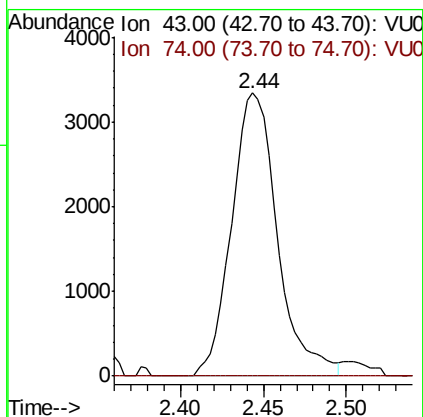
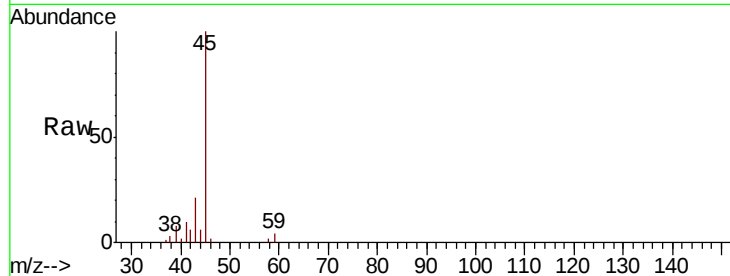




#18
Methvl Acetate
Concen: 2.329 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

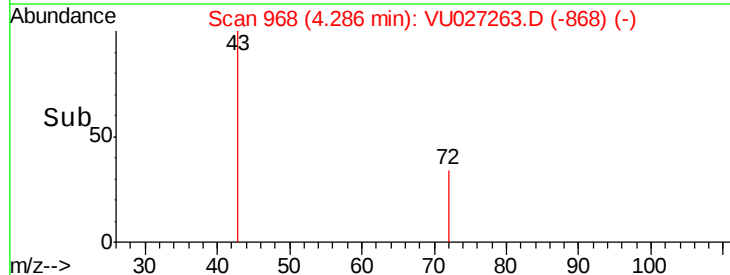
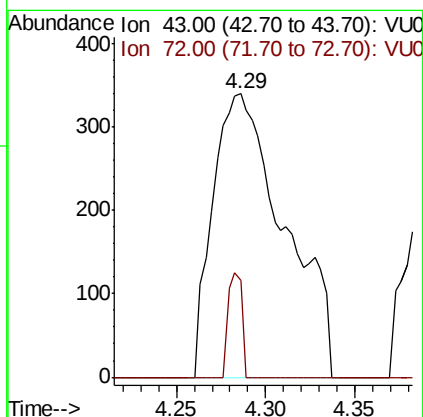
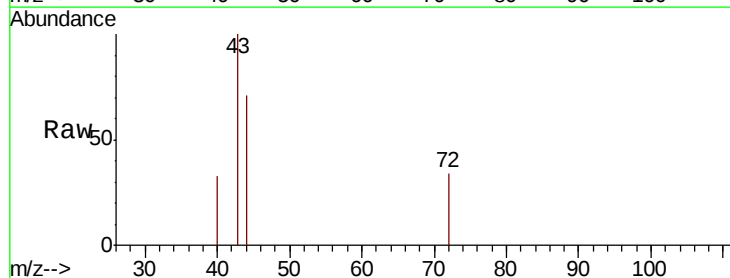
Instrument :
MSVOA_U
ClientSampleId :
ER1-092018

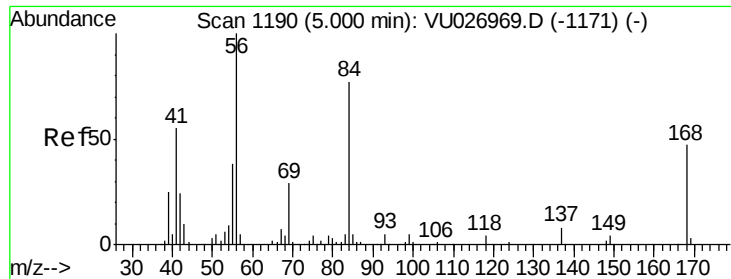
Tot Ion: 43 Resp: 6446
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#25
2-Butanone
Concen: 0.580 ug/l
RT: 4.29 min Scan# 968
Delta R.T. 0.02 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
72 34.1 18.4 27.6#

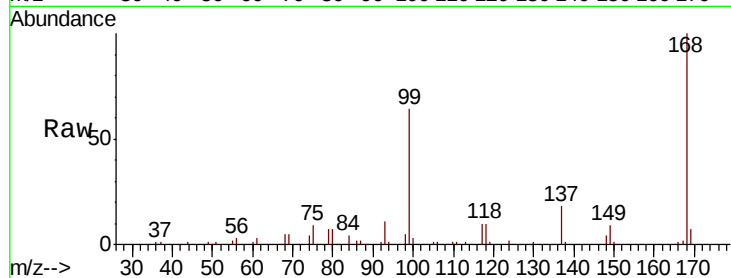




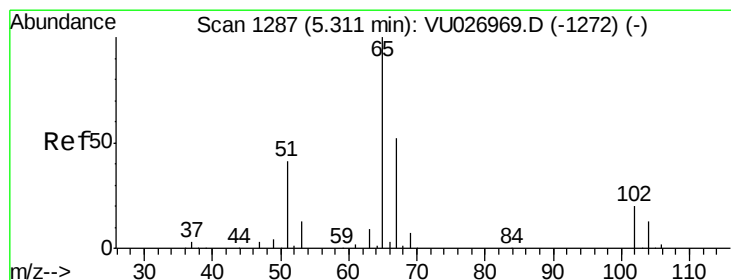
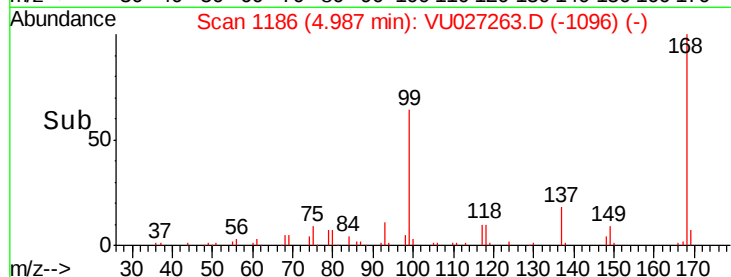
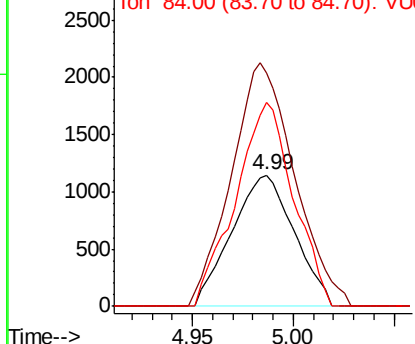
#31
Cyclohexane
Concen: 0.280 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Instrument :
MSVOA_U
ClientSampleId :
ER1-092018

Tot Ion: 56 Resp: 2470
Ion Ratio Lower Upper
56 100
69 178.5 23.0 34.4#
84 155.5 61.4 92.2#

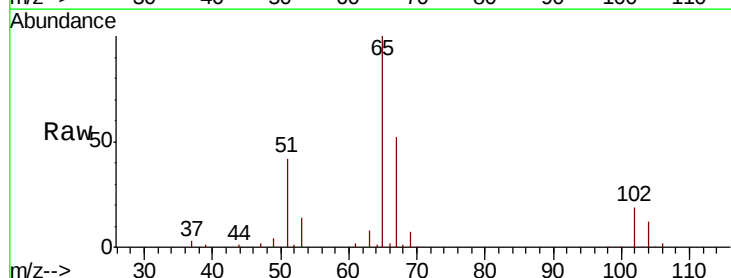


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

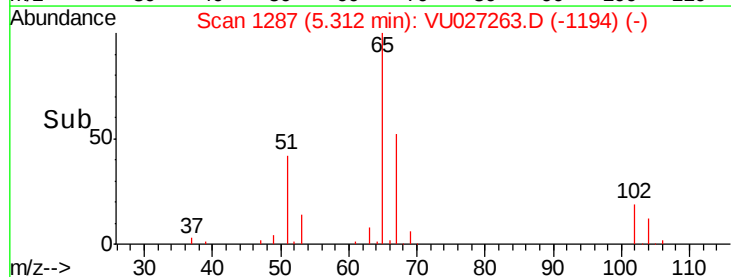
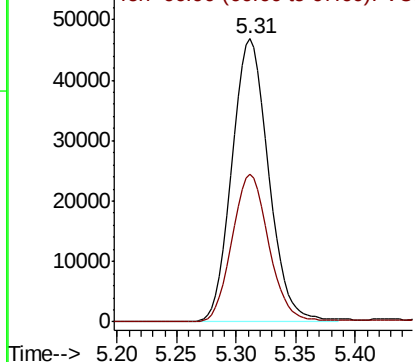


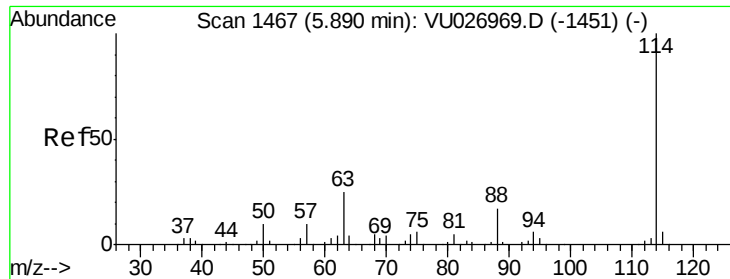
#33
1,2-Dichloroethane-d4
Concen: 51.506 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Tgt Ion: 65 Resp: 100153
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

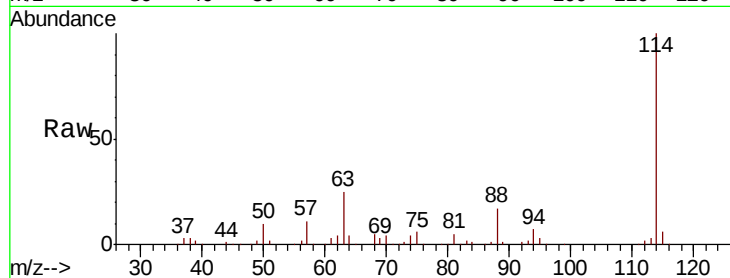




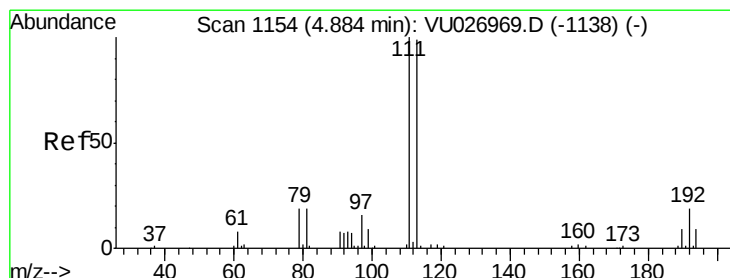
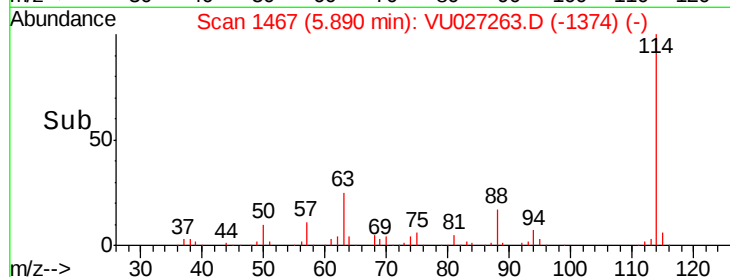
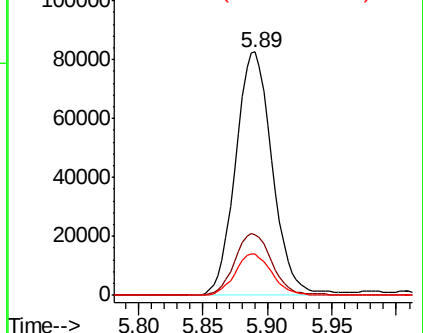
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027263.D
 Acq: 28 Sep 2018 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 ER1-092018

Tot Ion:114 Resp: 164189
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.7 0.0 33.8

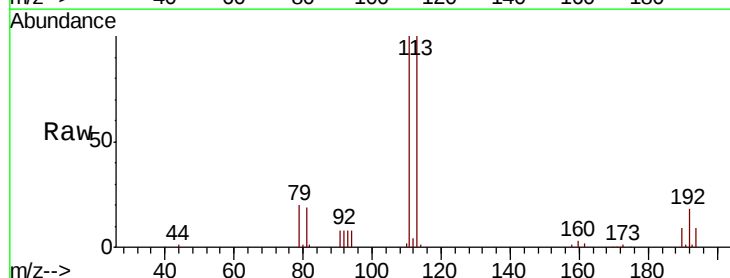


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

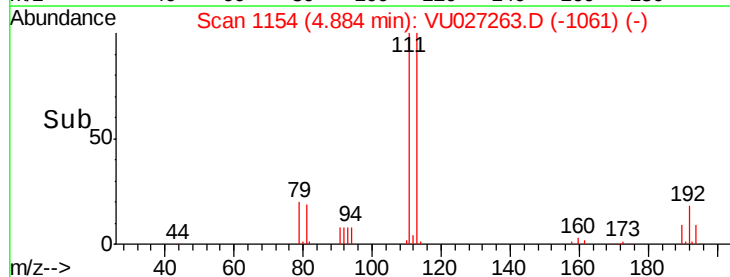
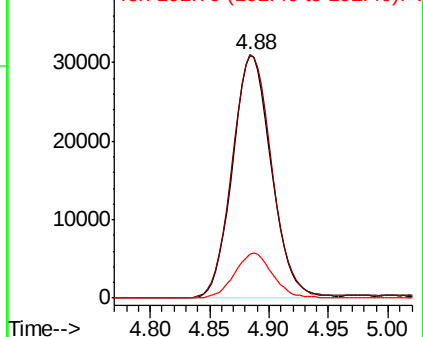


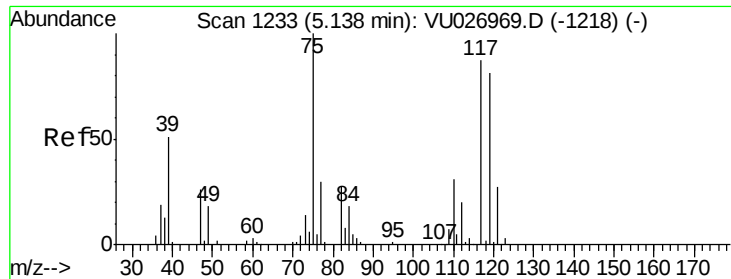
#35
 Dibromofluoromethane
 Concen: 49.344 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027263.D
 Acq: 28 Sep 2018 11:59

Tgt Ion:113 Resp: 70226
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 18.0 15.2 22.8



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





#36

1,1-Dichloropropene

Concen: 4.116 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

ER1-092018

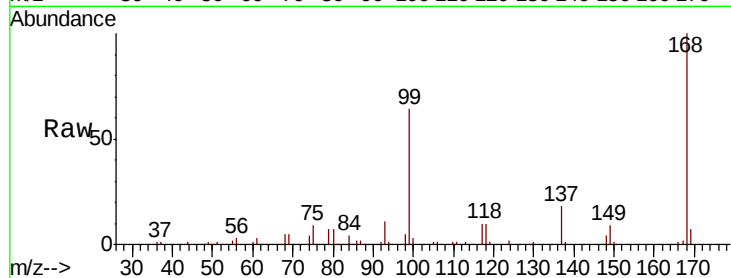
Tot Ion: 75 Resp: 9020

Ion Ratio Lower Upper

75 100

110 6.6 16.1 48.2#

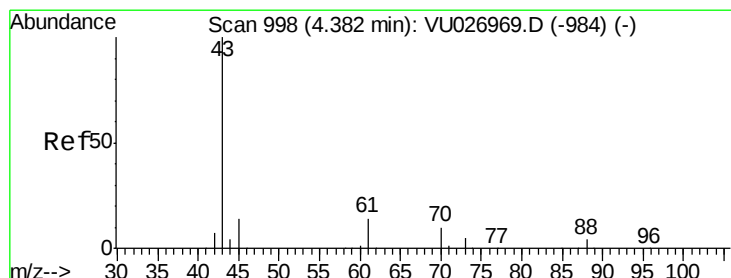
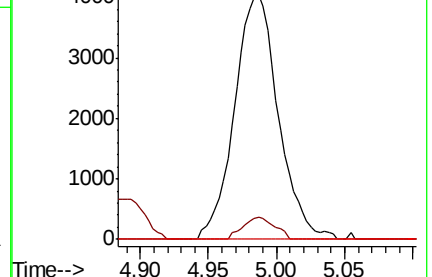
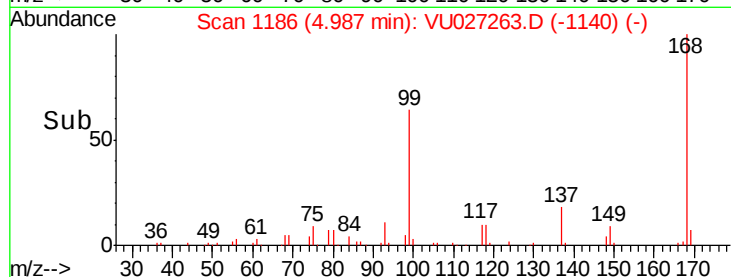
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU027263.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027263.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027263.D (-1140) (-)



#37

Ethyl Acetate

Concen: 0.358 ug/l

RT: 4.40 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

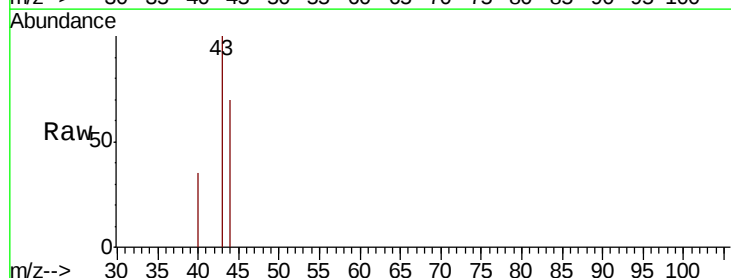
Tgt Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

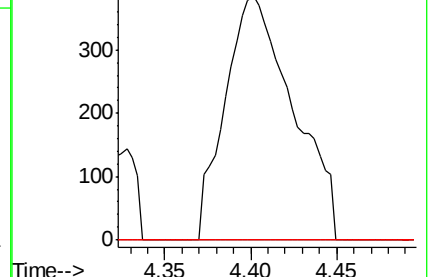
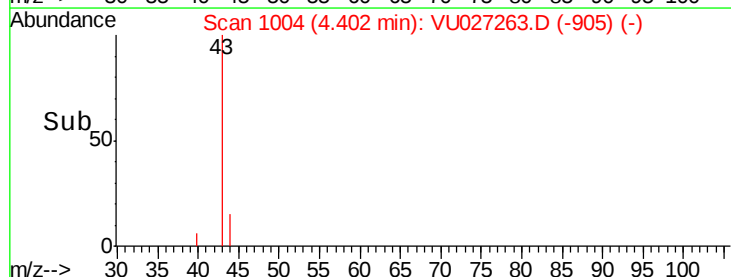
70 0.0 7.4 11.0#

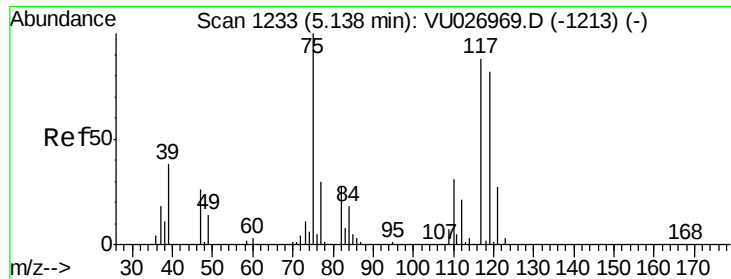


Abundance Ion 43.00 (42.70 to 43.70): VU027263.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027263.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027263.D (-905) (-)

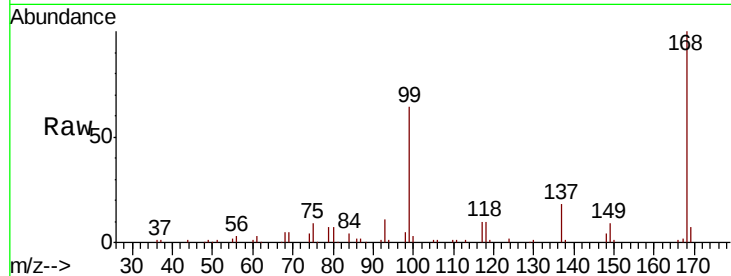




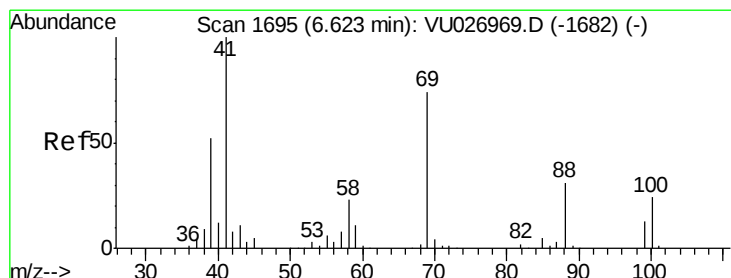
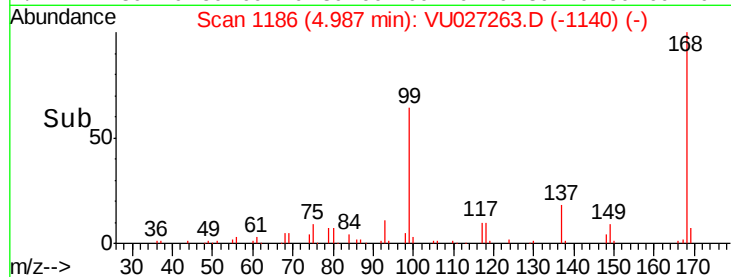
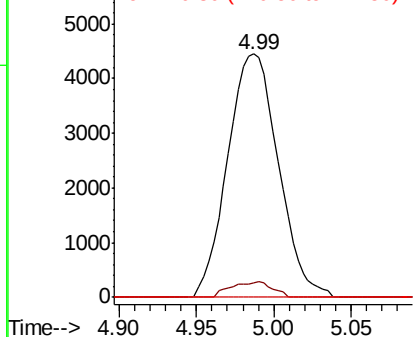
#38
Carbon Tetrachloride
Concen: 4.868 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Instrument :
MSVOA_U
ClientSampleId :
ER1-092018

Tot Ion:117 Resp: 10151
Ion Ratio Lower Upper
117 100
119 6.0 74.4 111.6#
121 0.0 24.2 36.4#

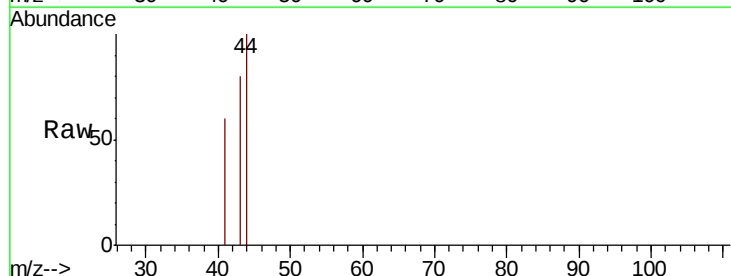


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

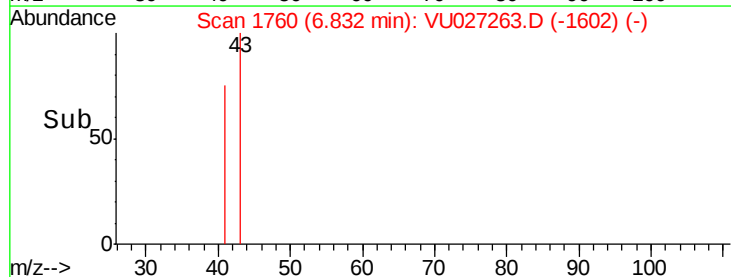
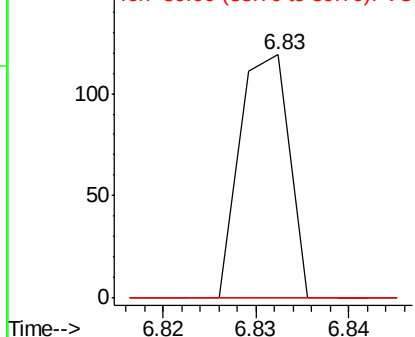


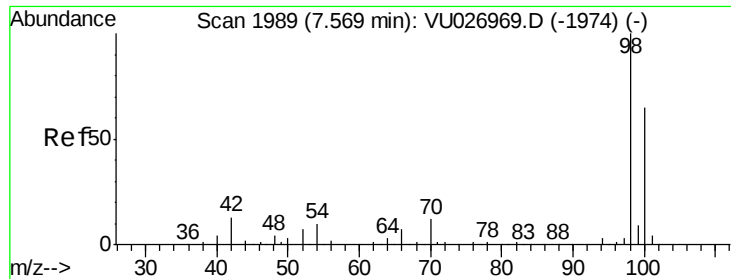
#48
Methyl methacrylate
Concen: 1.030 ug/l
RT: 6.83 min Scan# 1760
Delta R.T. 0.21 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Tgt Ion: 41 Resp: 44
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 0.0 42.8 64.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

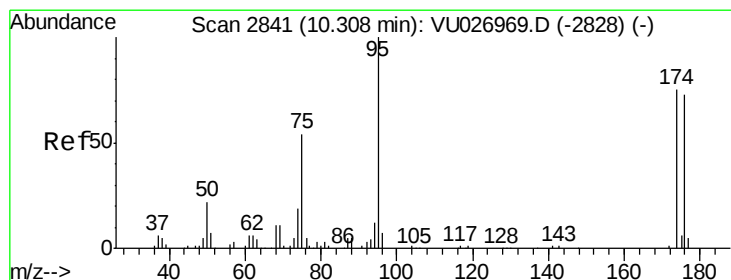
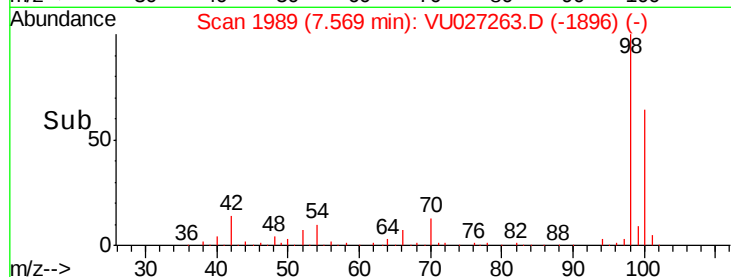
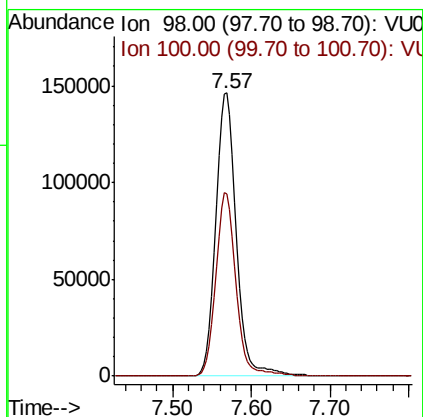
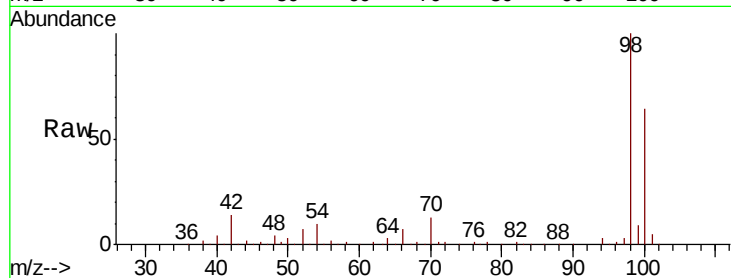




#50
Toluene-d8
Concen: 48.516 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

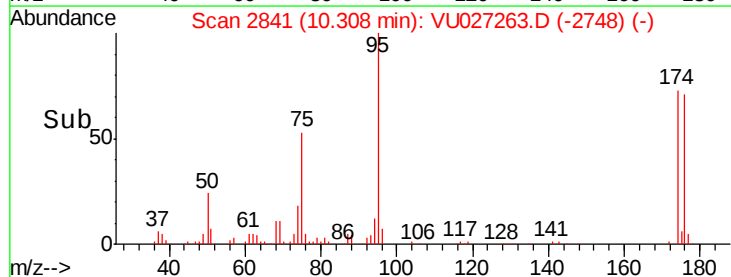
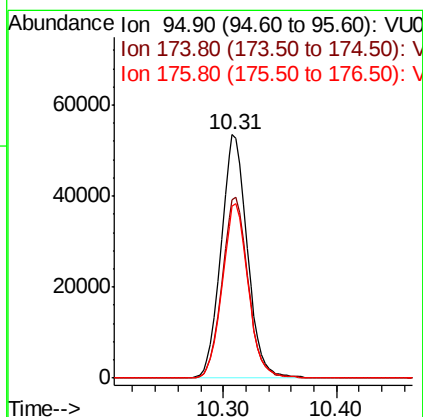
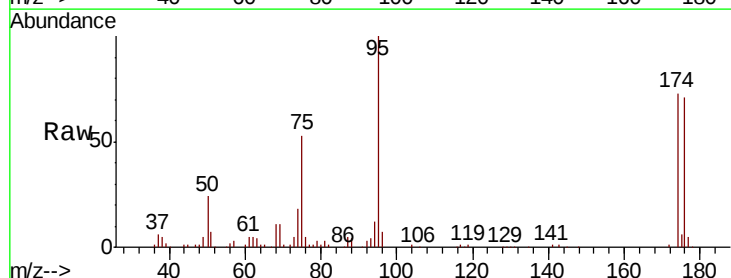
Instrument :
MSVOA_U
ClientSampleId :
ER1-092018

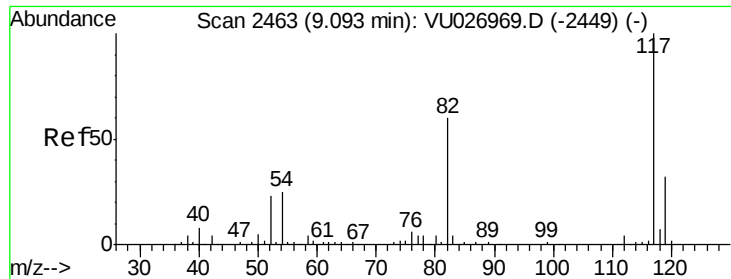
Tot Ion: 98 Resp: 263142
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.433 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Tgt Ion: 95 Resp: 86416
Ion Ratio Lower Upper
95 100
174 73.3 0.0 150.2
176 70.7 0.0 145.2

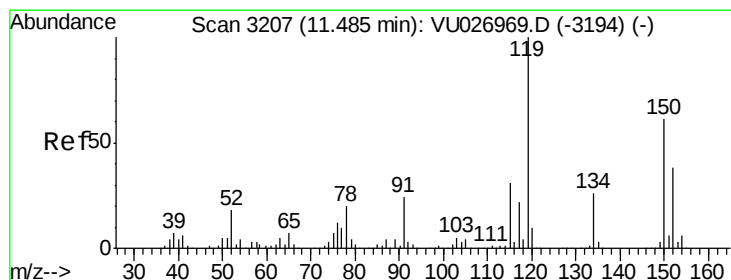
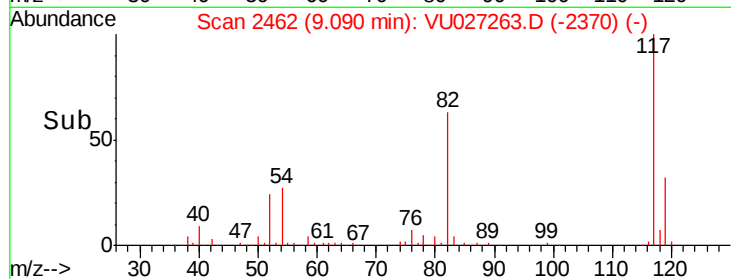
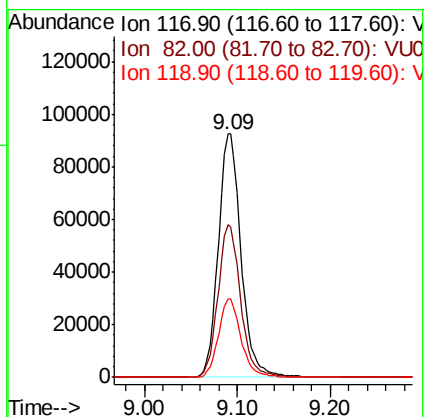
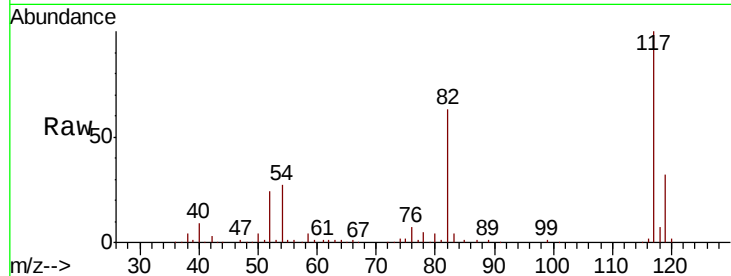




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

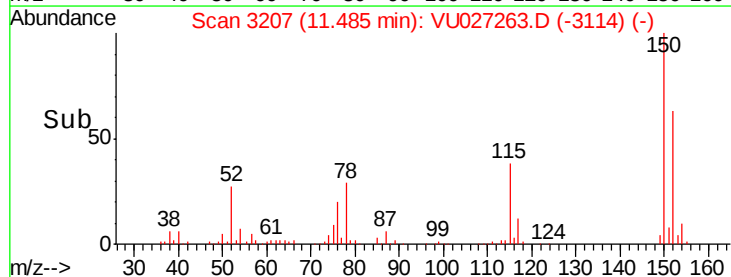
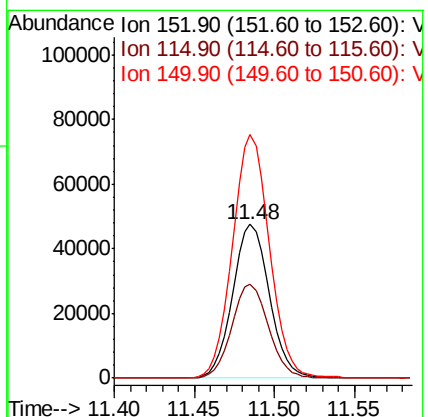
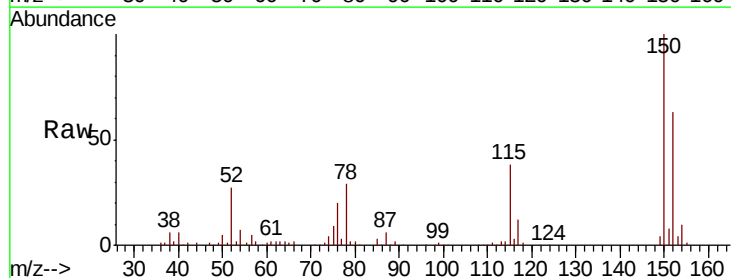
Instrument :
MSVOA_U
ClientSampleId :
ER1-092018

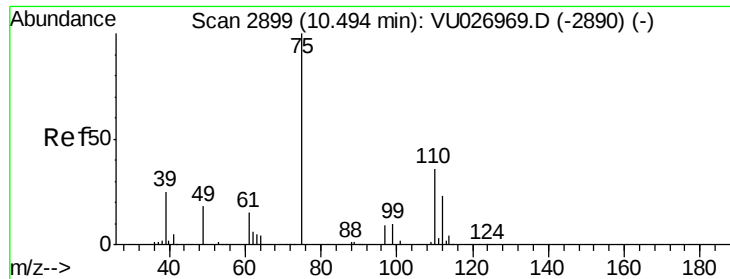
Tot Ion:117 Resp: 157089
Ion Ratio Lower Upper
117 100
82 62.9 48.0 72.0
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027263.D
Acq: 28 Sep 2018 11:59

Tgt Ion:152 Resp: 74230
Ion Ratio Lower Upper
152 100
115 61.3 44.9 134.5
150 158.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 20.485 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

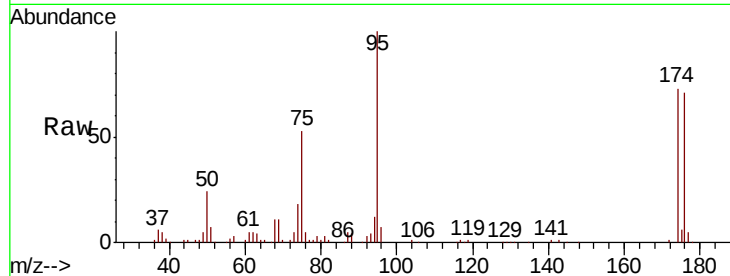
ER1-092018

Tot Ion: 75 Resp: 46196

Ion Ratio Lower Upper

75 100

77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)

10.31

30000

25000

20000

15000

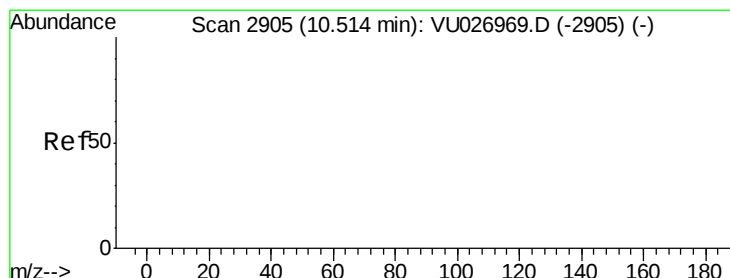
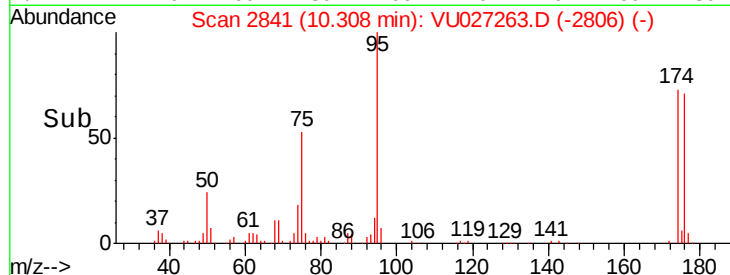
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 65.556 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

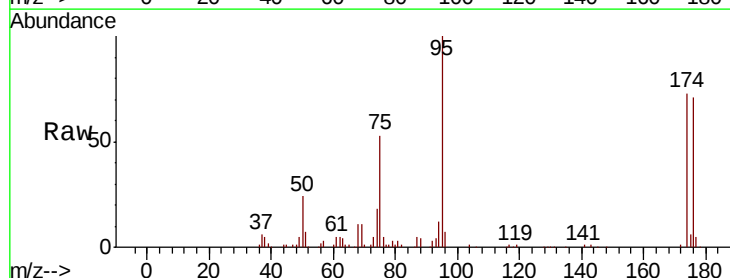
Tgt Ion: 75 Resp: 46196

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2905) (-)

Ion 53.00 (52.70 to 53.70): VU026969.D (-2905) (-)

Ion 88.90 (88.60 to 89.60): VU026969.D (-2905) (-)

10.31

30000

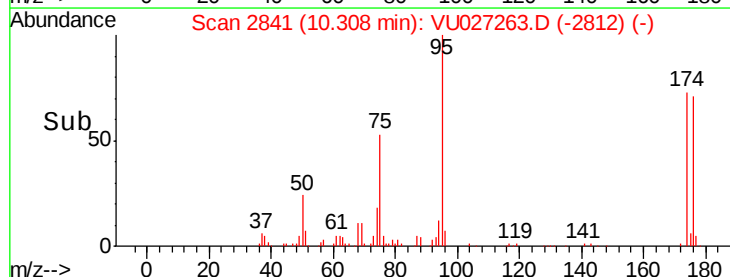
20000

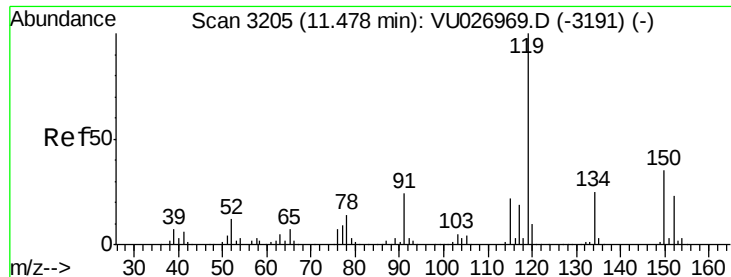
10000

0

Time-->

10.25 10.30 10.35 10.40





#86

p-Isopropyltoluene

Concen: 0.931 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

ER1-092018

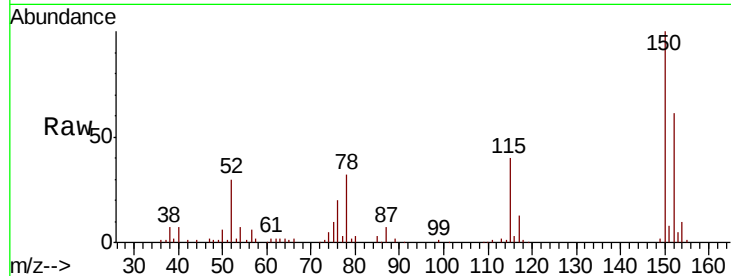
Tot Ion:119 Resp: 20

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 1215.0 12.3 36.8#

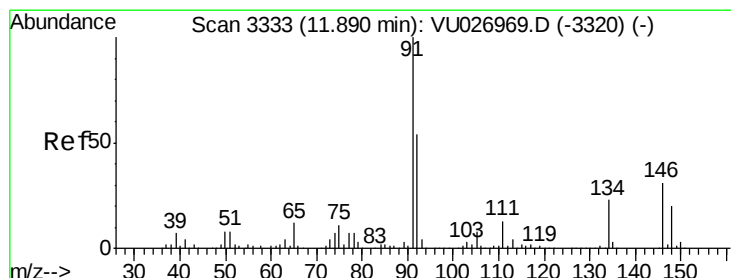
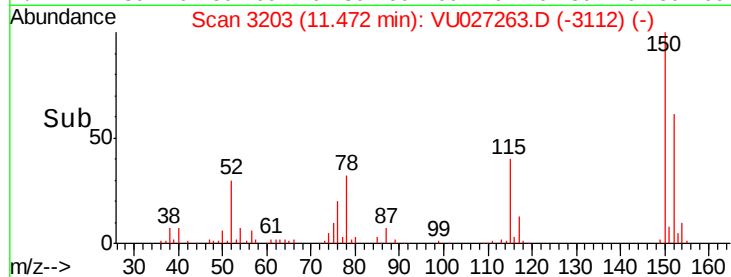
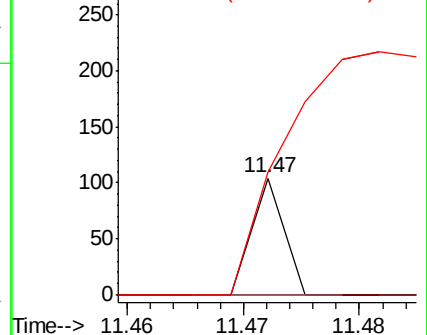


Abundance

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): V



#89

n-Butylbenzene

Concen: 2.431 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027263.D

Acq: 28 Sep 2018 11:59

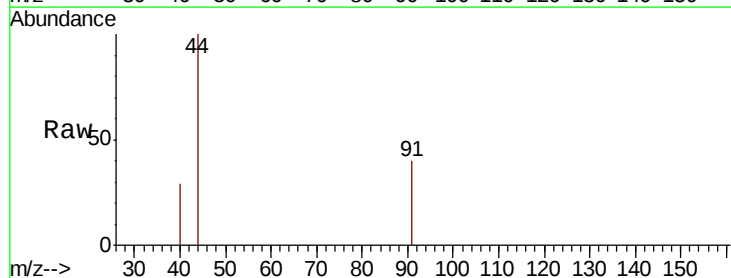
Tgt Ion: 91 Resp: 206

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#



Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

