

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072920\
 Data File : VU039704.D
 Acq On : 29 Jul 2020 15:23
 Operator : SY/MD
 Sample : VU0729WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0729WBL01

Quant Time: Jul 30 01:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:45:12 2020
 Response via : Initial Calibration

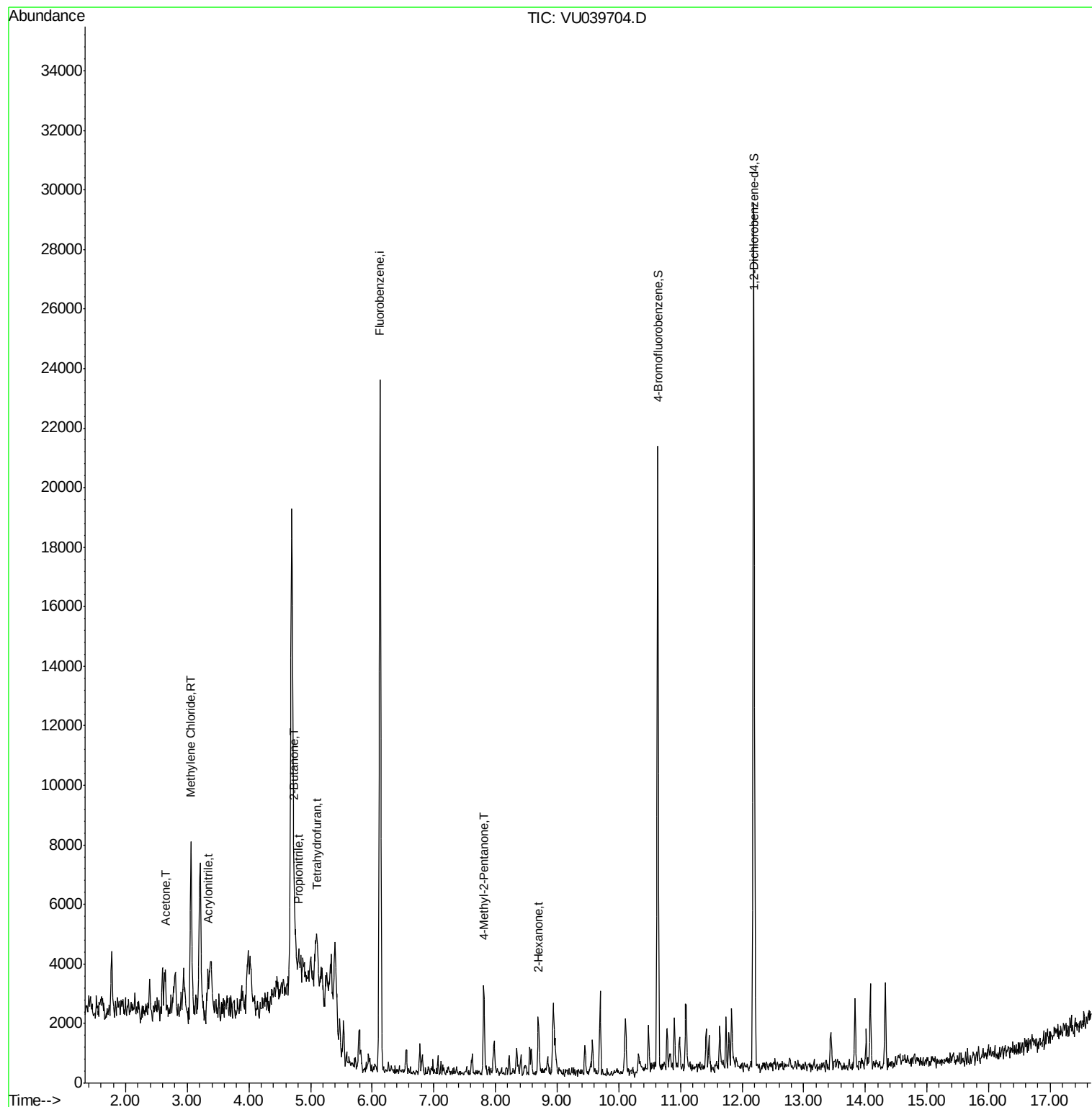
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	20039	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	6788	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6157	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						Ovalue
12) Acrylonitrile	3.33	53	727	0.372	ug/l #	78
13) Acetone	2.64	43	1450	0.789	ug/l #	88
15) Methylene Chloride	3.06	84	1942	0.250	ug/l	92
18) 2-Butanone	4.74	43	1291	0.417	ug/l	78
24) tert-Butyl Alcohol	3.21	59	3371	Below Cal	#	79
34) Propionitrile	4.80	54	375	0.492	ug/l #	68
41) Tetrahydrofuran	5.09	42	1069	0.529	ug/l #	52
45) 4-Methyl-2-Pentanone	7.81	43	2140	0.380	ug/l #	93
54) 2-Hexanone	8.70	43	1864	0.462	ug/l	83
80) Nitrobenzene	13.44	77	19	Below Cal	#	44
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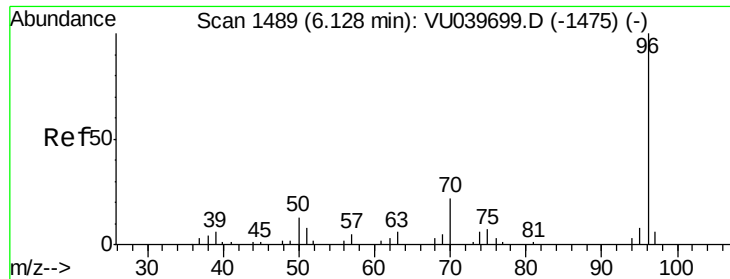
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VU0729WBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
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QLast Update : Thu Jul 30 01:45:12 2020
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBL01

Tot Ion: 96 Resp: 20039

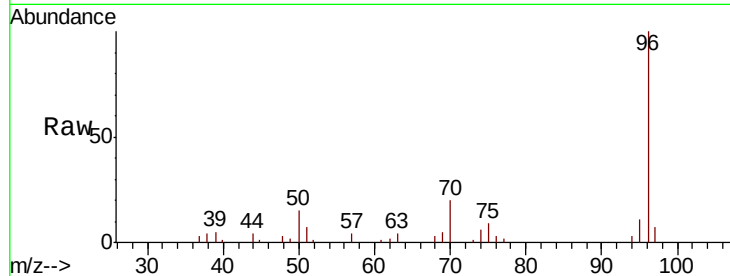
Ion Ratio Lower Upper

96 100

70 20.5 16.3 24.5

95 10.3 6.8 10.2#

97 6.6 0.0 0.0#

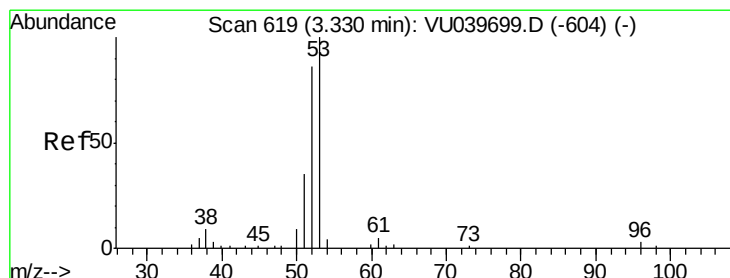
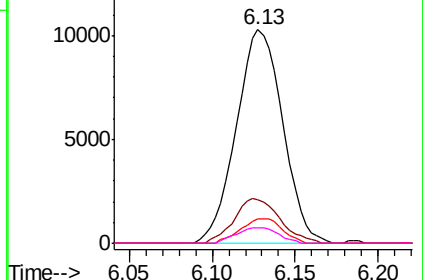
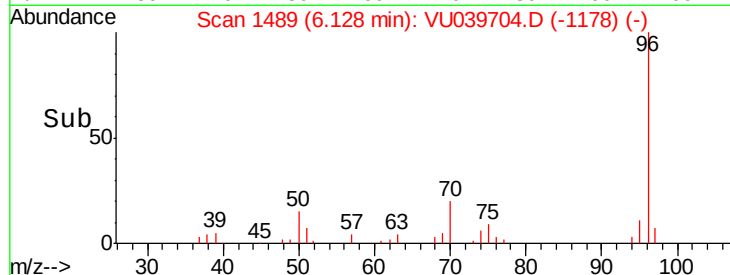


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#12

Acrylonitrile

Concen: 0.372 ug/l

RT: 3.33 min Scan# 619

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

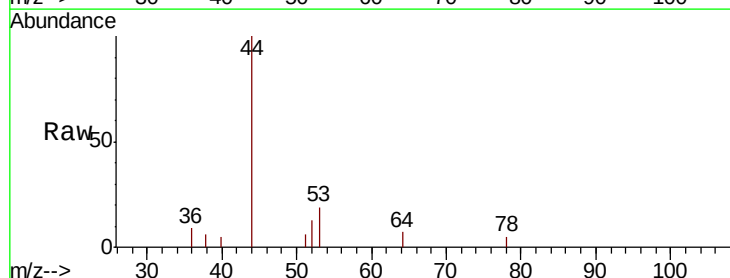
Tgt Ion: 53 Resp: 727

Ion Ratio Lower Upper

53 100

52 67.1 69.1 103.7#

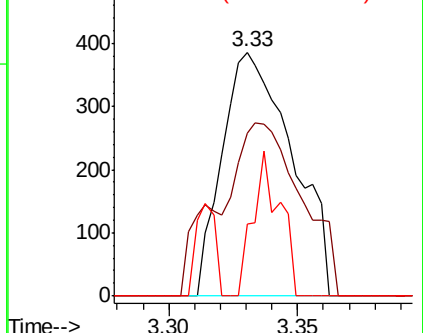
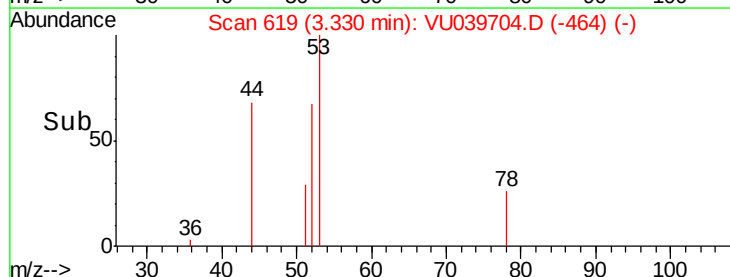
51 23.1 29.4 44.2#

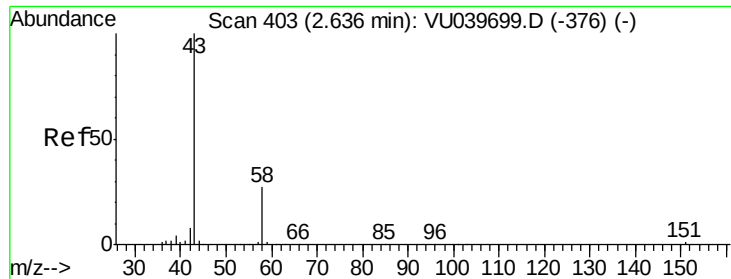


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: 0.789 ug/l

RT: 2.64 min Scan# 405

Delta R.T. 0.01 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

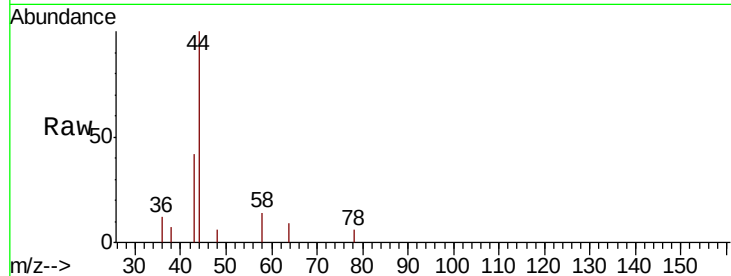
VU0729WBL01

Tot Ion: 43 Resp: 1450

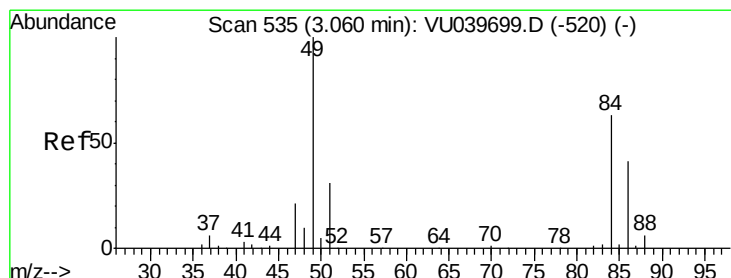
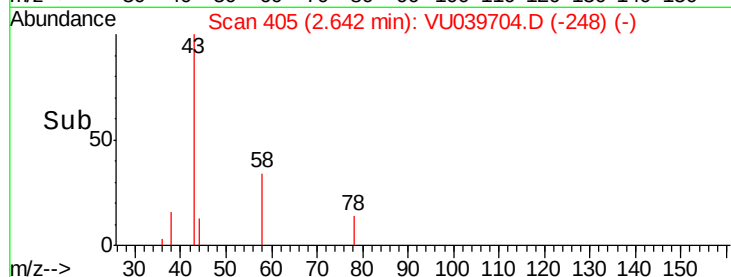
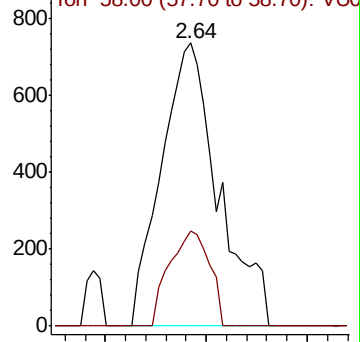
Ion Ratio Lower Upper

43 100

58 33.6 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-376) (-)



#15

Methylene Chloride

Concen: 0.250 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Tgt Ion: 84 Resp: 1942

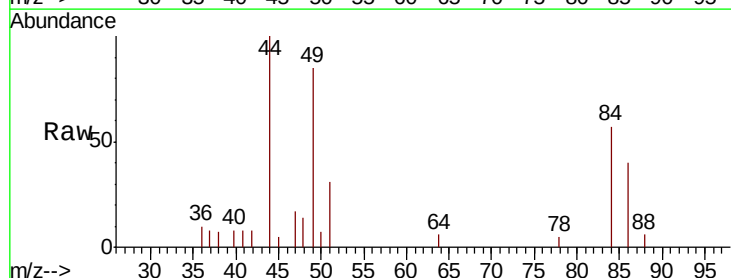
Ion Ratio Lower Upper

84 100

49 147.0 126.8 190.2

51 54.5 0.0 97.2

86 69.9 51.4 77.2



Abundance Ion 84.00 (83.70 to 84.70): VU039699.D (-520) (-)

Ion 49.00 (48.70 to 49.70): VU039699.D (-520) (-)

Ion 51.00 (50.70 to 51.70): VU039699.D (-520) (-)

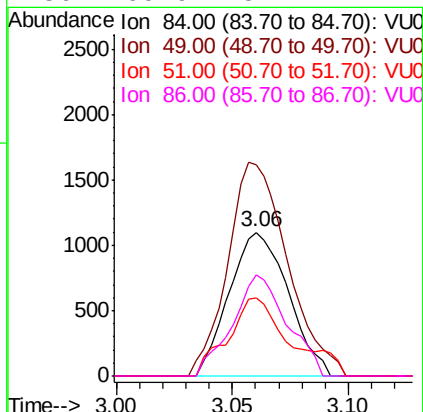
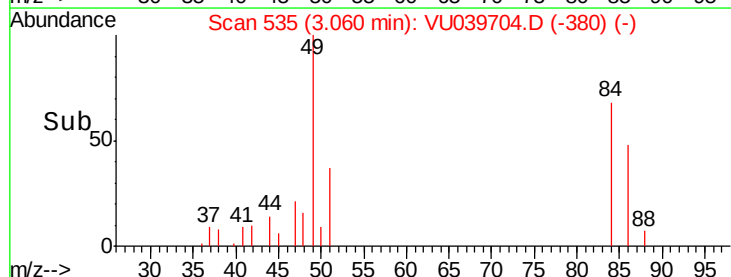
Ion 86.00 (85.70 to 86.70): VU039699.D (-520) (-)

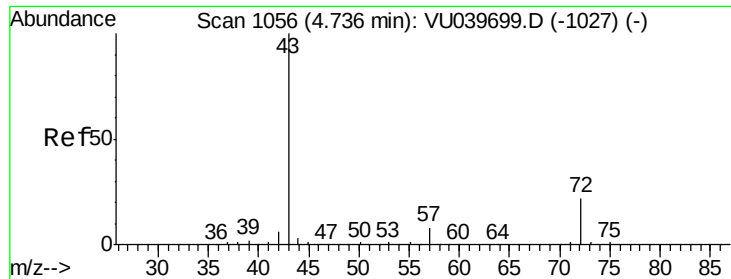
Ion 84.00 (83.70 to 84.70): VU039704.D (-380) (-)

Ion 49.00 (48.70 to 49.70): VU039704.D (-380) (-)

Ion 51.00 (50.70 to 51.70): VU039704.D (-380) (-)

Ion 86.00 (85.70 to 86.70): VU039704.D (-380) (-)





#18

2-Butanone

Concen: 0.417 ug/l

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

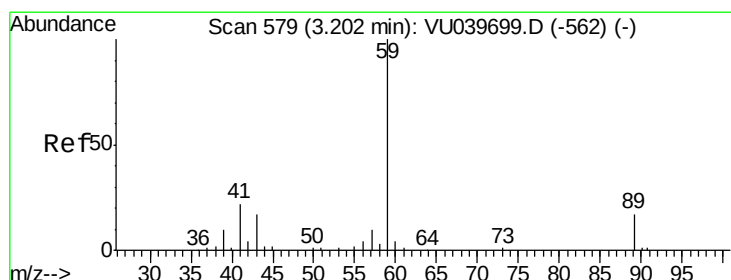
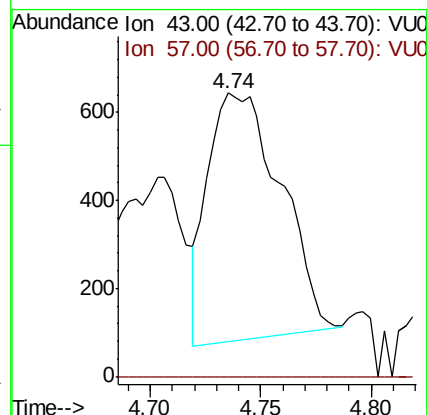
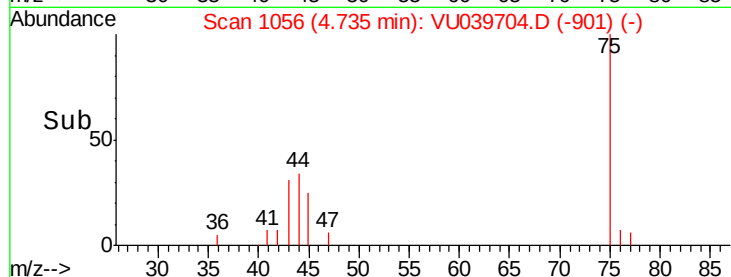
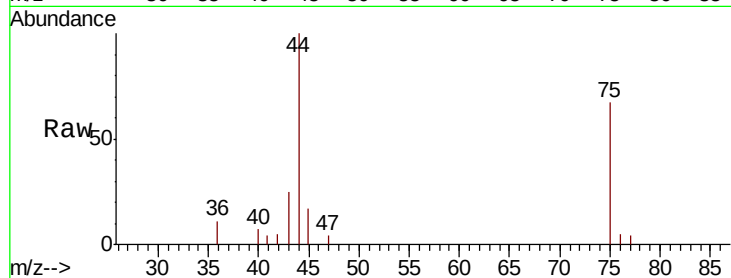
VU0729WBL01

Tot Ion: 43 Resp: 1291

Ion Ratio Lower Upper

43 100

57 0.0 0.0 15.2



#24

tert-Butyl Alcohol

Concen: Below Cal

RT: 3.21 min Scan# 581

Delta R.T. 0.01 min

Lab File: VU039704.D

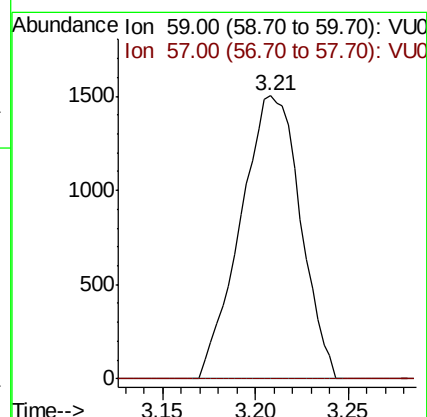
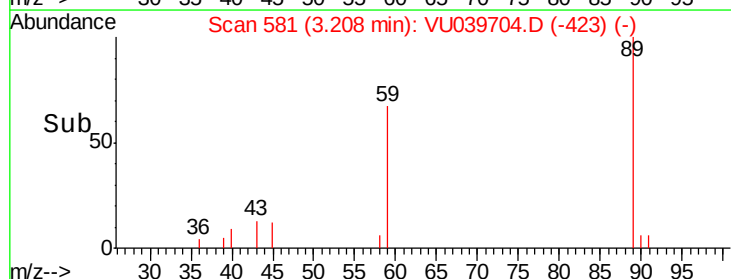
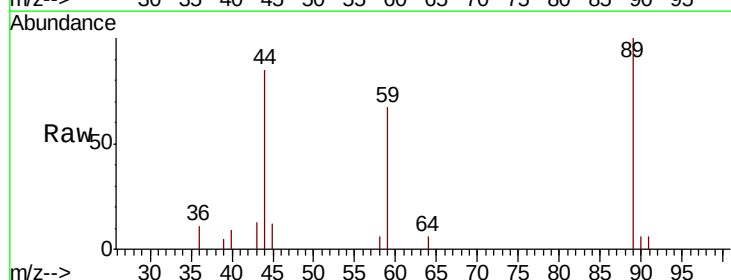
Acq: 29 Jul 2020 15:23

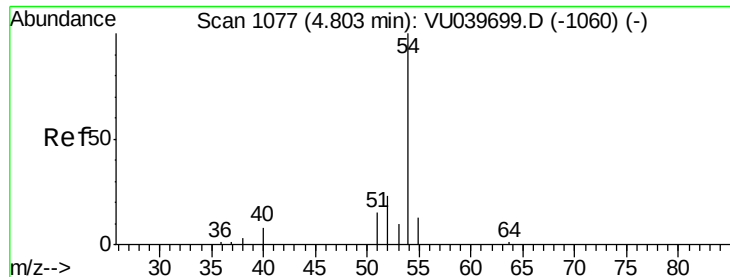
Tgt Ion: 59 Resp: 3371

Ion Ratio Lower Upper

59 100

57 1.9 7.8 11.6#





#34

Propionitrile

Concen: 0.492 ug/l

RT: 4.80 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBL01

Tot Ion: 54 Resp: 375

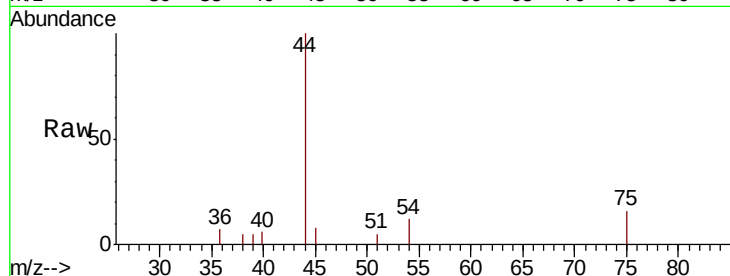
Ion Ratio Lower Upper

54 100

52 27.2 16.9 25.3#

55 0.0 12.9 19.3#

40 32.5 6.2 9.2#

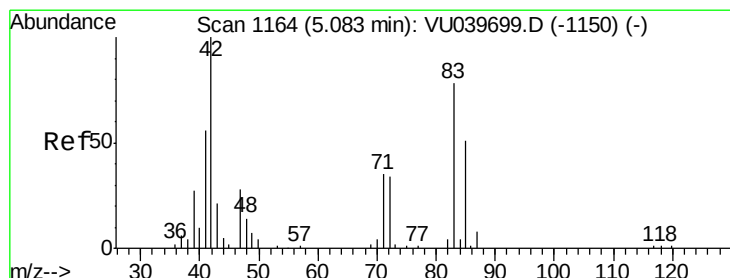
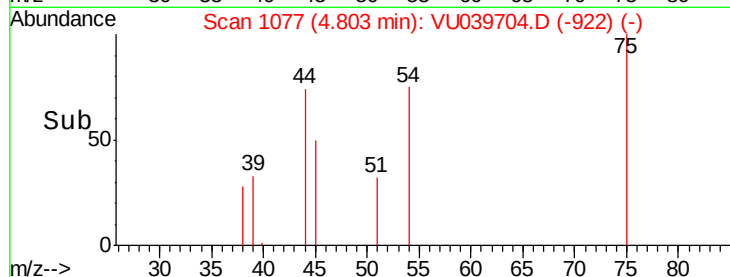
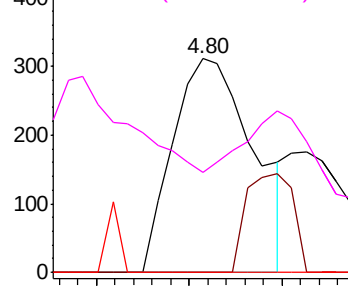


Abundance Ion 54.00 (53.70 to 54.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 40.00 (39.70 to 40.70): VU0



#41

Tetrahydrofuran

Concen: 0.529 ug/l

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

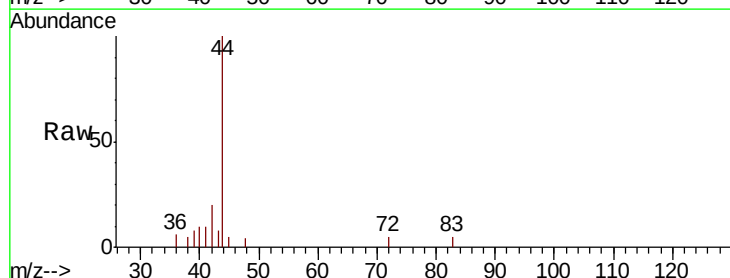
Tgt Ion: 42 Resp: 1069

Ion Ratio Lower Upper

42 100

72 15.0 31.0 46.6#

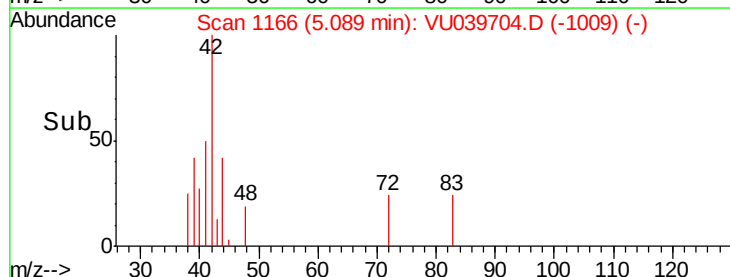
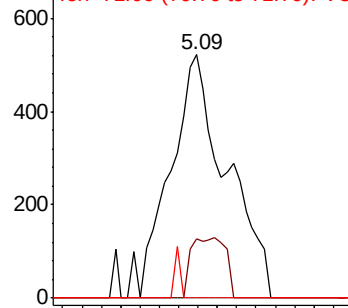
71 2.0 28.2 42.4#

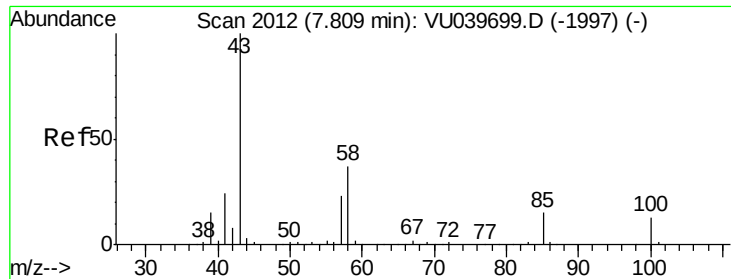


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

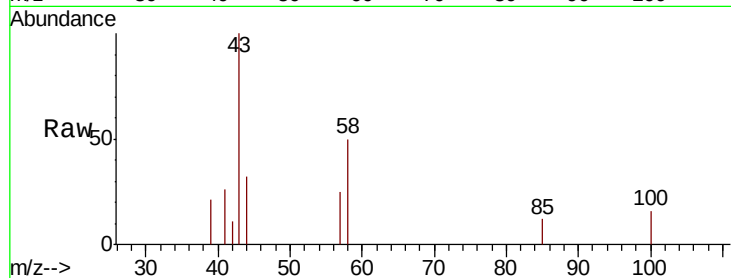




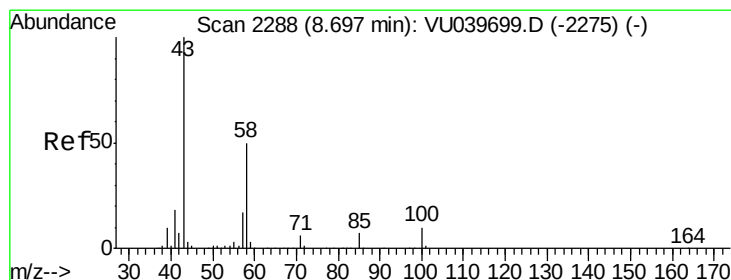
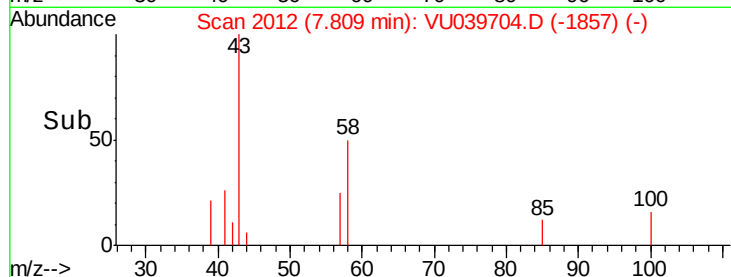
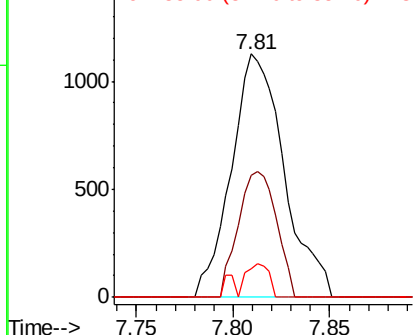
#45
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VU039704.D
Acq: 29 Jul 2020 15:23

Instrument :
MSVOA_U
ClientSampleId :
VU0729WBL01

Tot Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
58 37.3 18.4 55.0
85 5.9 11.8 17.6#

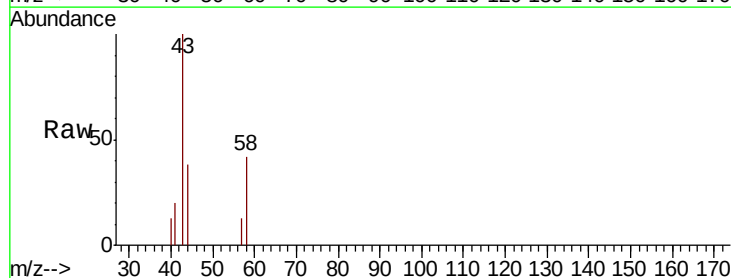


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

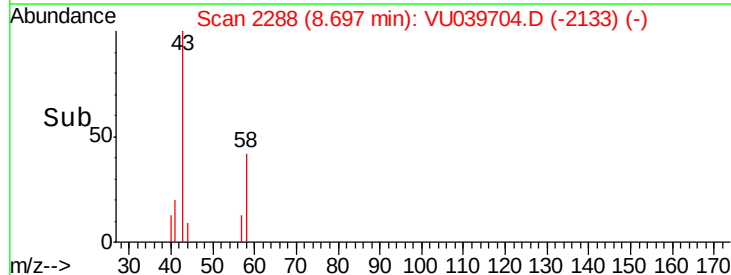
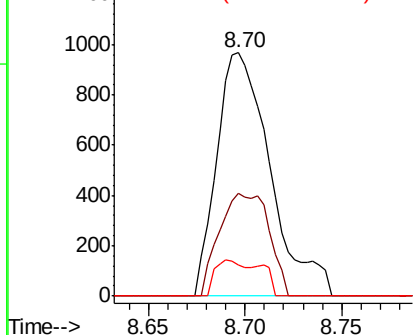


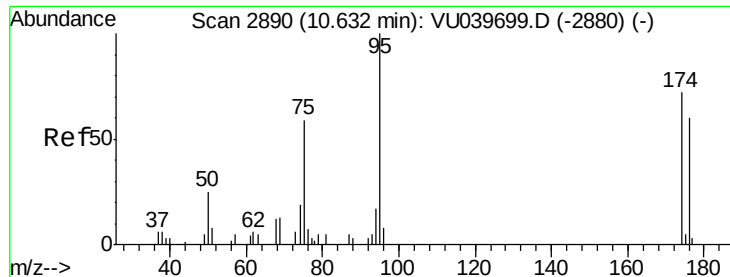
#54
2-Hexanone
Concen: 0.462 ug/l
RT: 8.70 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VU039704.D
Acq: 29 Jul 2020 15:23

Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
58 39.1 29.9 69.9
57 7.8 0.0 37.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#57

4-Bromofluorobenzene

Concen: 0.867 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBL01

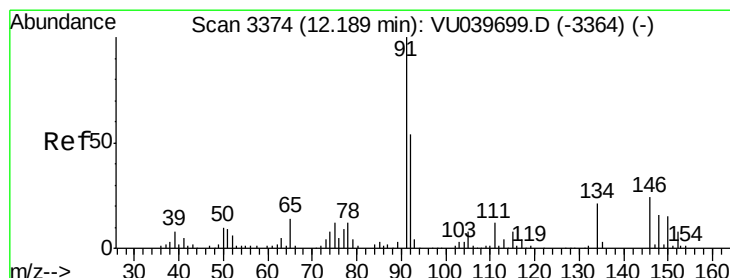
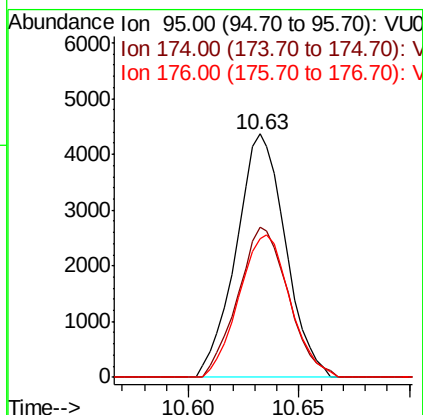
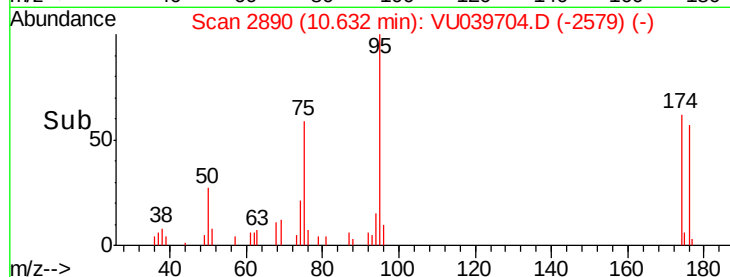
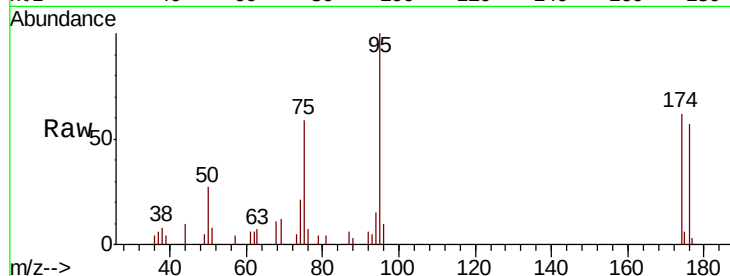
Tot Ion: 95 Resp: 6788

Ion Ratio Lower Upper

95 100

174 63.1 57.0 85.4

176 60.8 50.2 75.2



#68

1,2-Dichlorobenzene-d4

Concen: 0.803 ug/l

RT: 12.19 min Scan# 3373

Delta R.T. -0.00 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

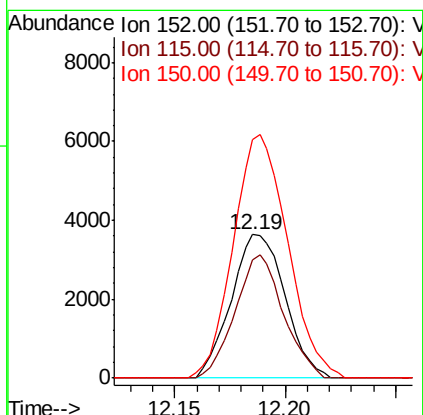
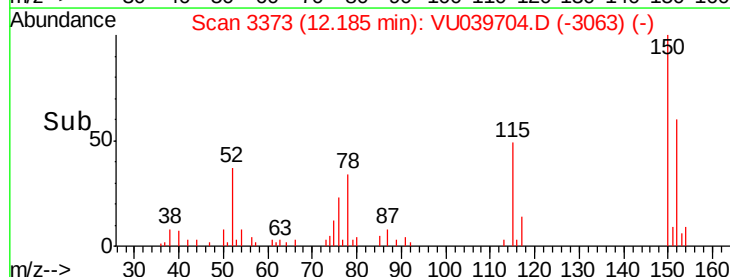
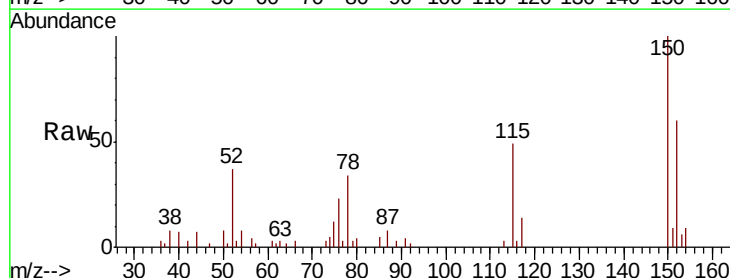
Tgt Ion: 152 Resp: 6157

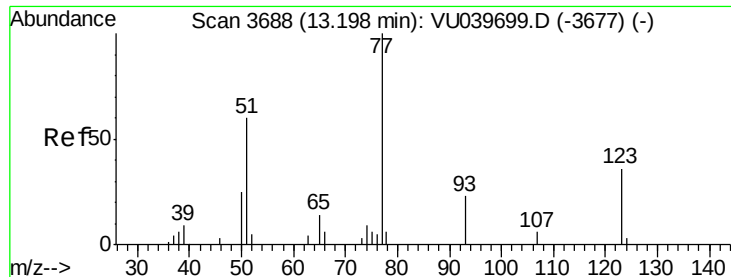
Ion Ratio Lower Upper

152 100

115 76.8 0.0 302.4

150 171.2 0.0 645.8





#80

Nitrobenzene

Concen: Below Cal

RT: 13.44 min Scan# 3764

Delta R.T. 0.24 min

Lab File: VU039704.D

Acq: 29 Jul 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

VU0729WBL01

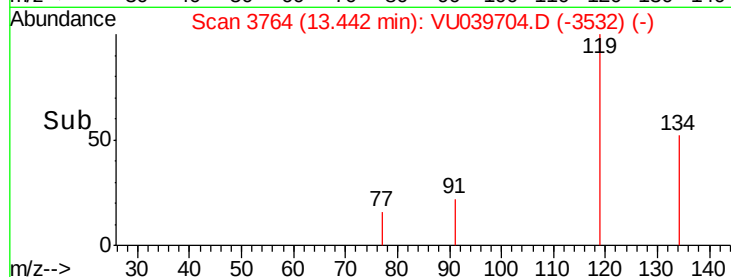
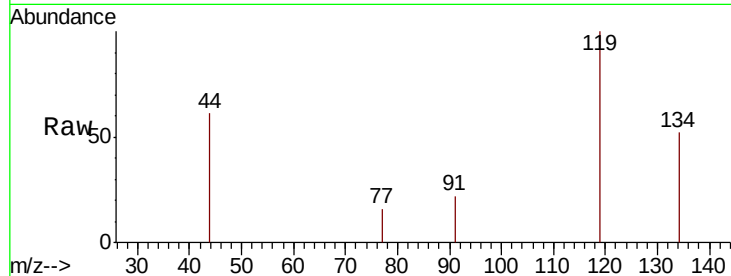
Tot Ion: 77 Resp: 19

Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.9#

65 0.0 14.4 18.4#



Abundance Ion 77.00 (76.70 to 77.70): VU039704.D (-3532) (-)

Ion 123.00 (122.70 to 123.70): VU039704.D (-3532) (-)

Ion 65.00 (64.70 to 65.70): VU039704.D (-3532) (-)

