

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024575.D
 Acq On : 15 Jun 2018 05:36
 Operator : MD/SY
 Sample : J3478-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:55:25 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

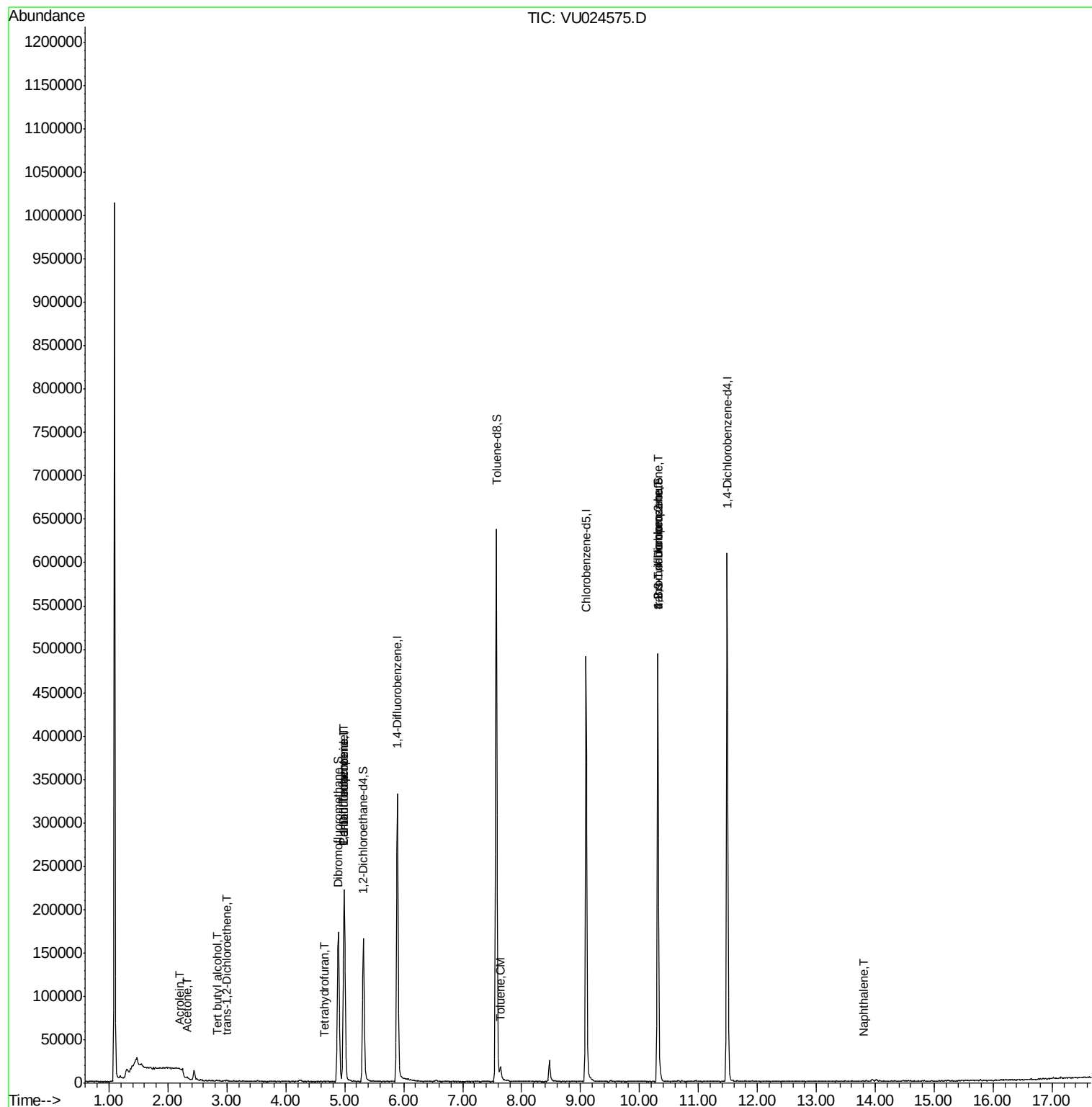
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	292642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	130204	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
35) Dibromofluoromethane	4.89	113	117785	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	7.57	98	437853	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	10.31	95	163619	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.70	64	404	Below Cal	#	86
8) Diethyl Ether	2.14	74	70	Below Cal	#	9
11) Tert butyl alcohol	2.83	59	203	0.285	ug/l	99
13) Acrolein	2.21	56	203	0.543	ug/l #	29
16) Acetone	2.32	43	1862	1.184	ug/l #	82
21) trans-1,2-Dichloroethene	3.00	96	460	0.205	ug/l #	83
29) Tetrahydrofuran	4.66	42	287	0.219	ug/l #	38
31) Cyclohexane	4.99	56	3994	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12411	3.609	ug/l #	51
38) Carbon Tetrachloride	4.99	117	16265	4.301	ug/l #	16
52) Toluene	7.64	92	5803	0.921	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	81370	21.870	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	81370	50.616	ug/l #	100
95) Naphthalene	13.81	128	20	0.681	ug/l #	69

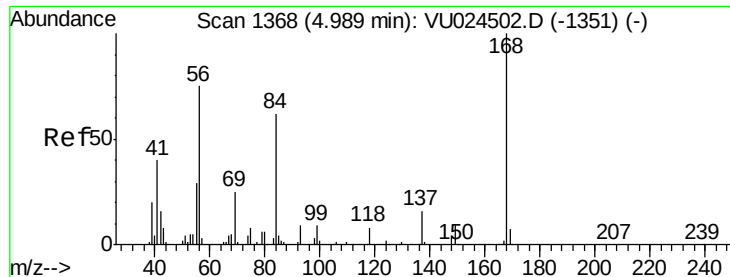
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024575.D
Acq On : 15 Jun 2018 05:36
Operator : MD/SY
Sample : J3478-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 15 05:55:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :

MSVOA_U

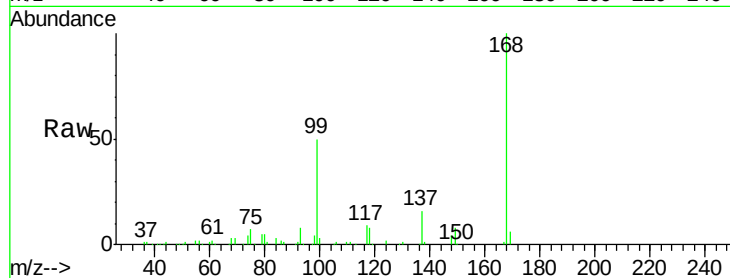
ClientSampleId :

Tot Ion:168 Resp: 179273

Ion Ratio Lower Upper

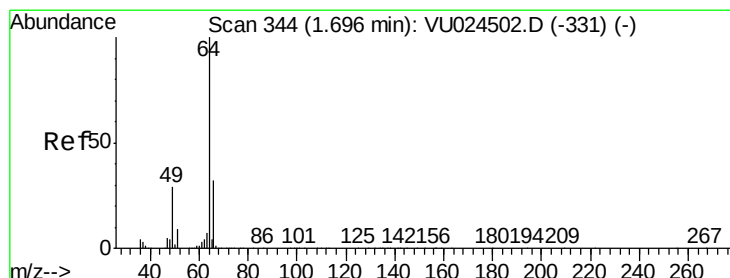
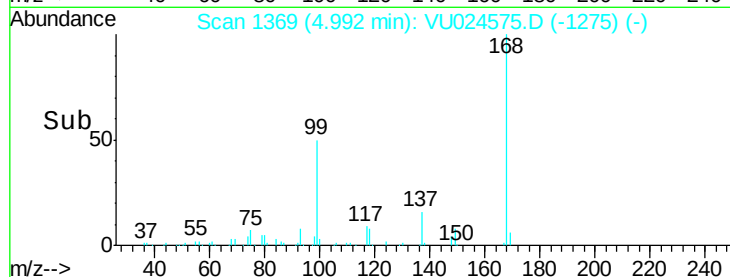
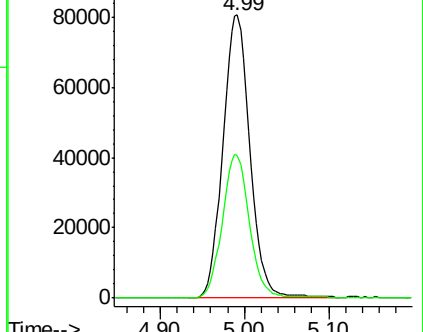
168 100

99 50.3 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) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024575.D

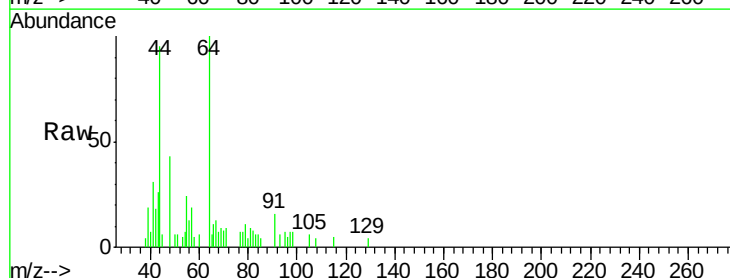
Acq: 15 Jun 2018 05:36

Tgt Ion: 64 Resp: 404

Ion Ratio Lower Upper

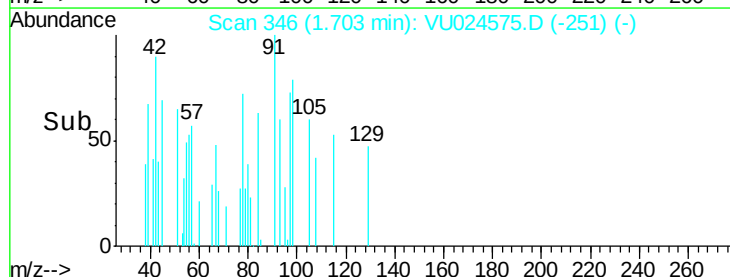
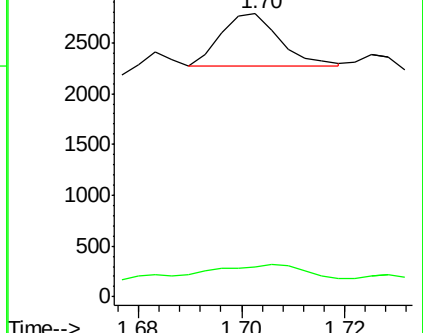
64 100

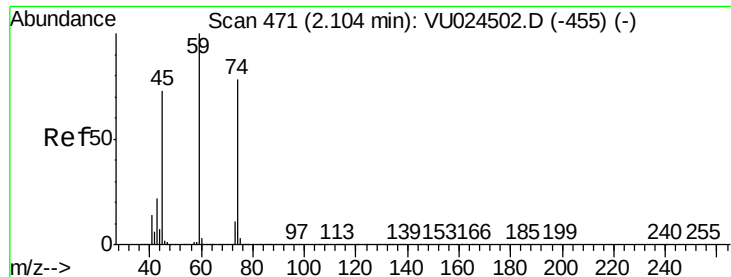
66 23.9 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

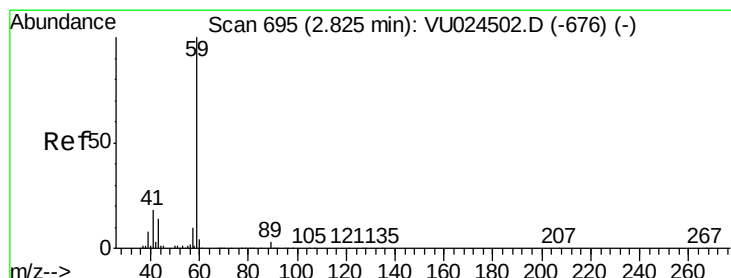
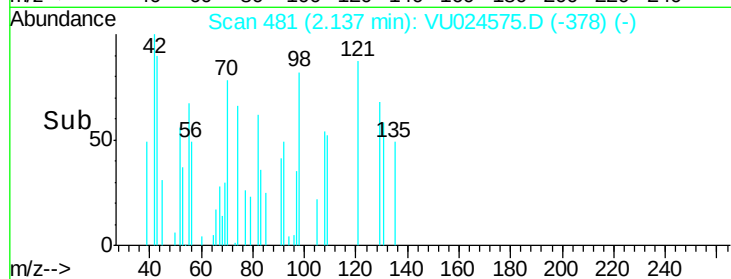
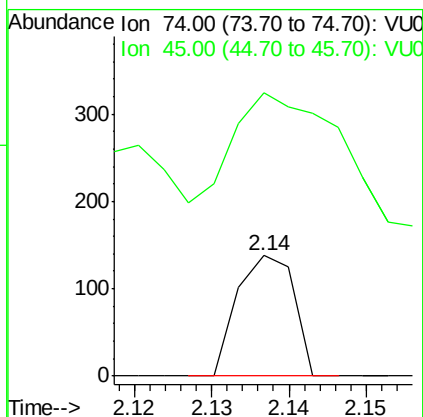
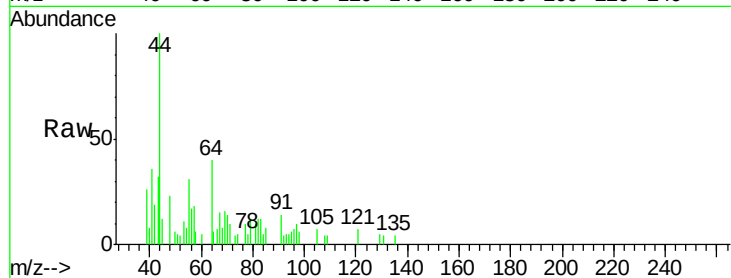




#8
Diethyl Ether
Concen: Below Cal
RT: 2.14 min Scan# 481
Delta R.T. 0.03 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

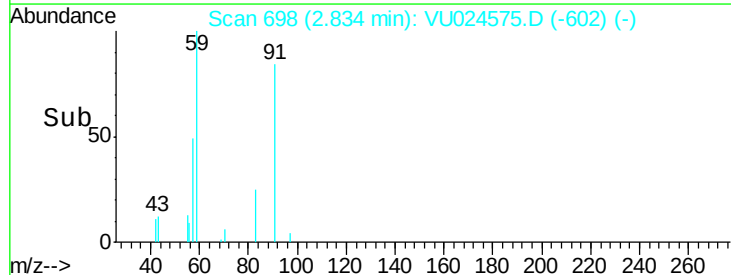
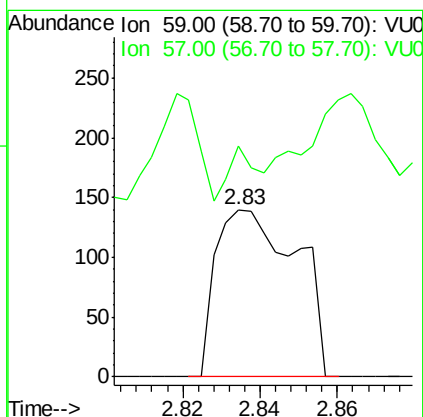
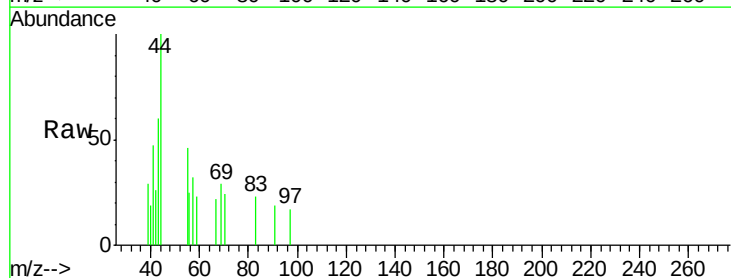
Instrument :
MSVOA_U
ClientSampleId :

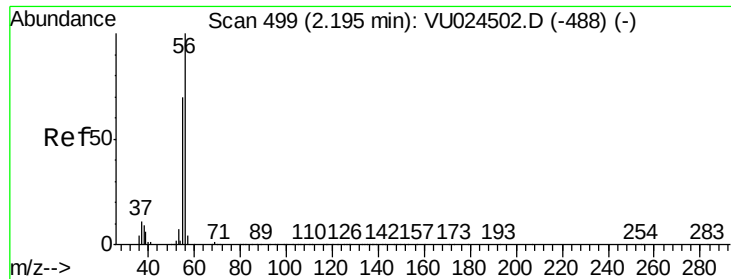
Tot Ion: 74 Resp: 70
Ion Ratio Lower Upper
74 100
45 205.7 55.0 165.0#



#11
Tert butyl alcohol
Concen: 0.285 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7





#13

Acrolein

Concen: 0.543 ug/l

RT: 2.21 min Scan# 505

Delta R.T. 0.02 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :

MSVOA_U

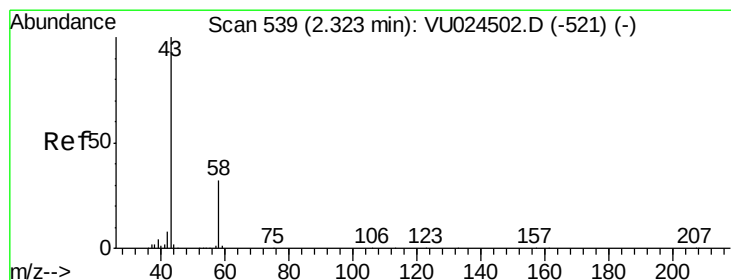
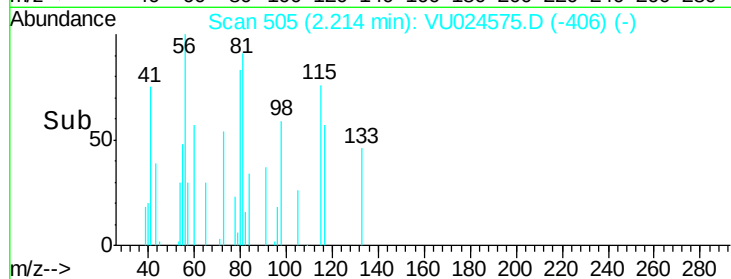
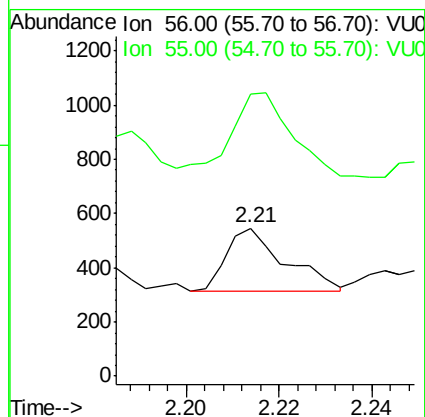
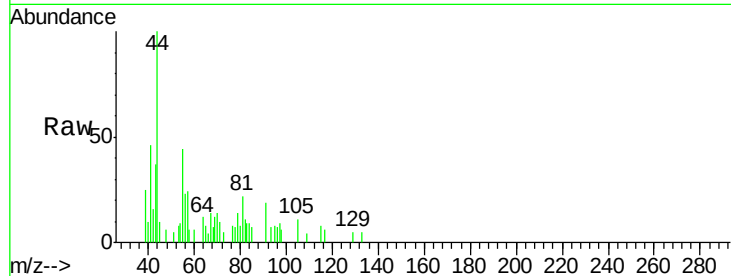
ClientSampleId :

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 132.5 58.4 87.6#



#16

Acetone

Concen: 1.184 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024575.D

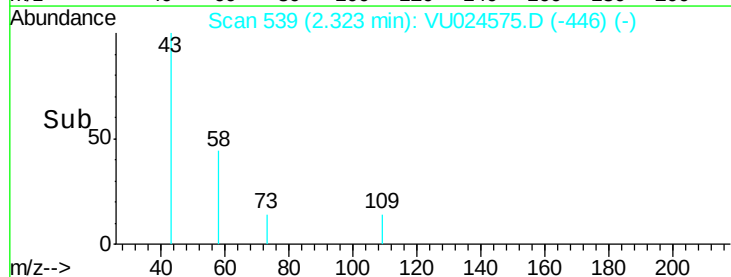
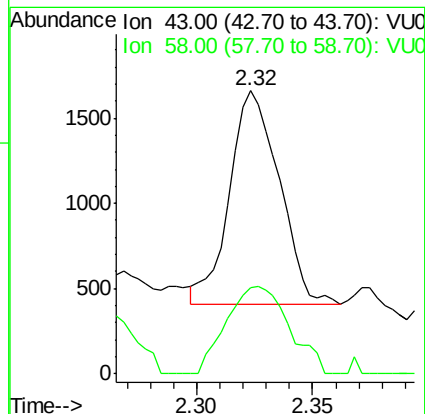
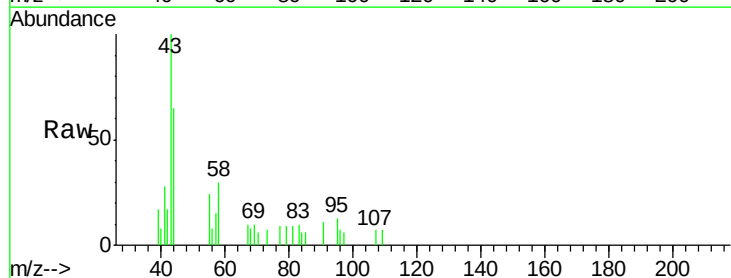
Acq: 15 Jun 2018 05:36

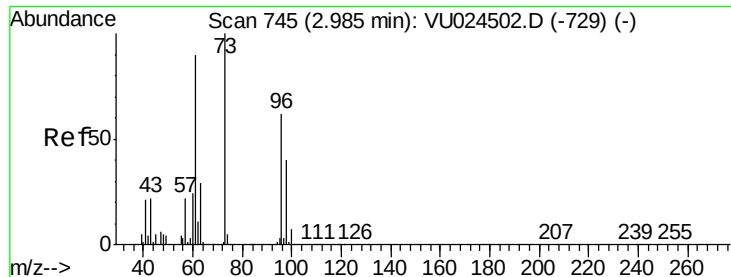
Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

58 40.3 24.4 36.6#





#21

trans-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 3.00 min Scan# 748

Delta R.T. 0.01 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :
MSVOA_U
ClientSampleId :

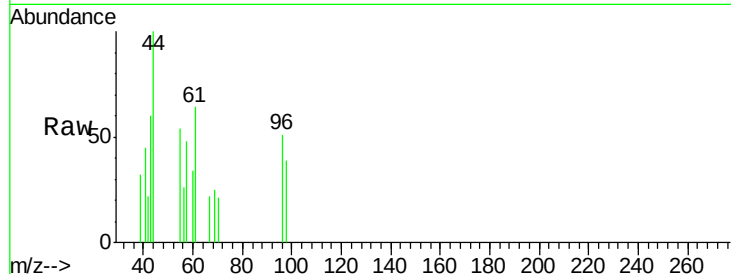
Tot Ion: 96 Resp: 460

Ion Ratio Lower Upper

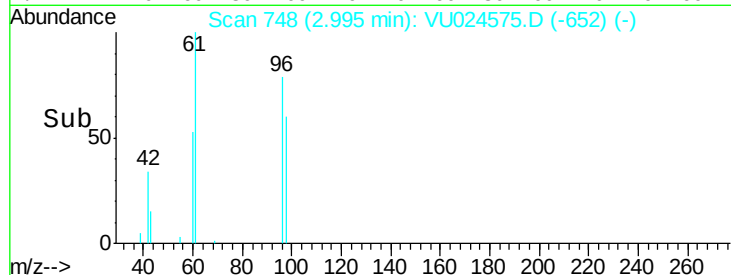
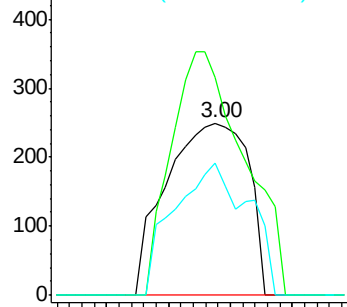
96 100

61 126.9 119.4 179.0

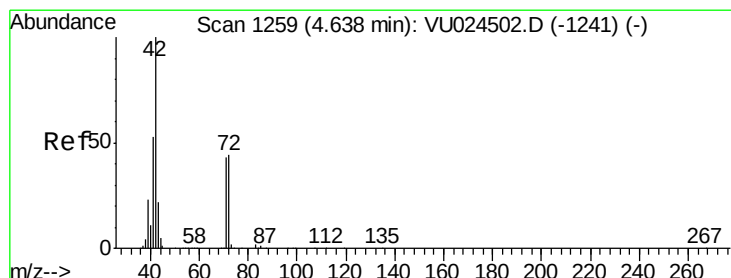
98 76.7 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



Time-->



#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 4.66 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

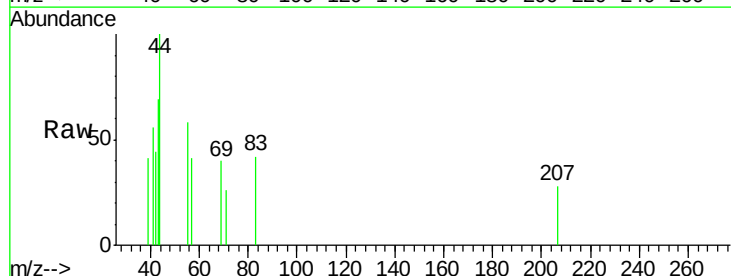
Tgt Ion: 42 Resp: 287

Ion Ratio Lower Upper

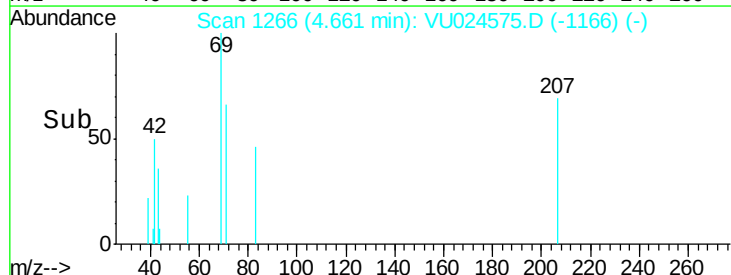
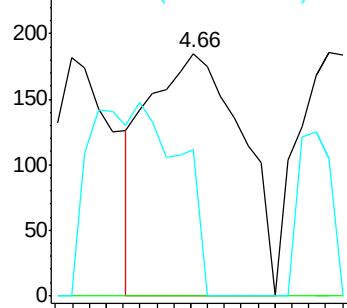
42 100

72 0.0 34.5 51.7#

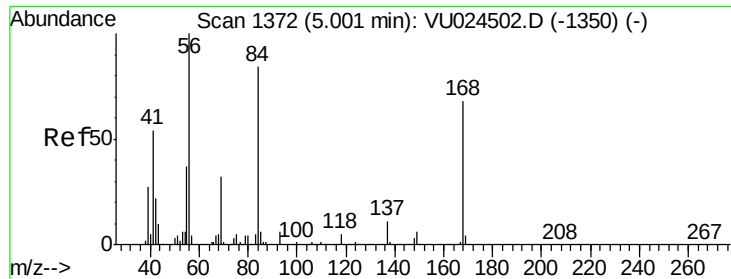
71 75.6 32.2 48.4#



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



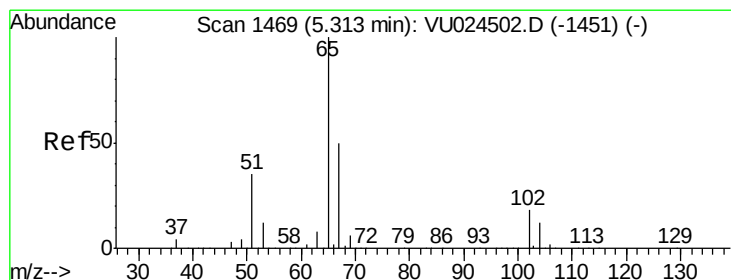
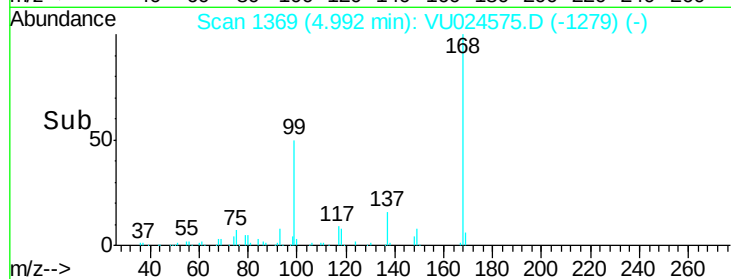
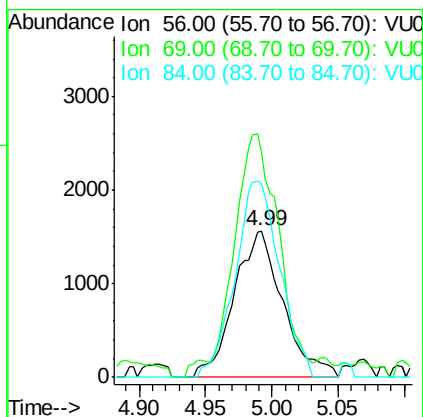
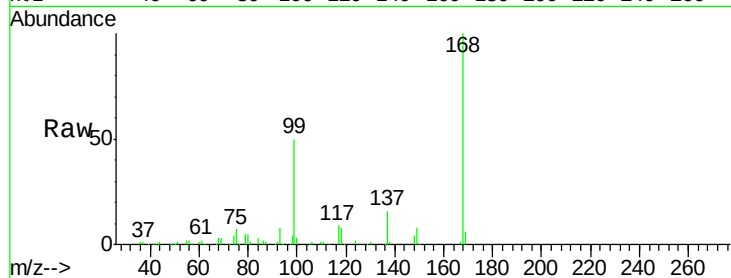
Time-->



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

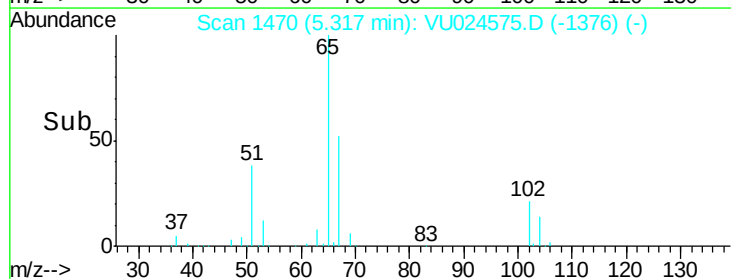
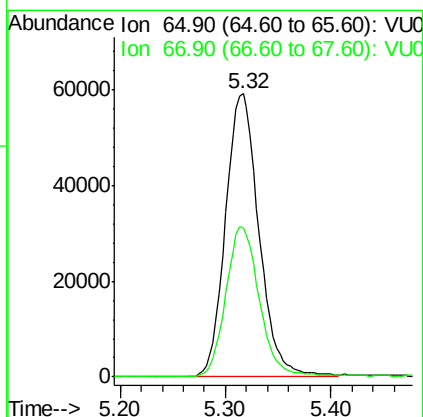
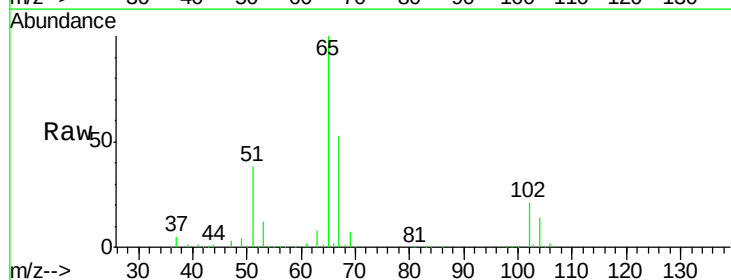
Instrument :
MSVOA_U
ClientSampleId :

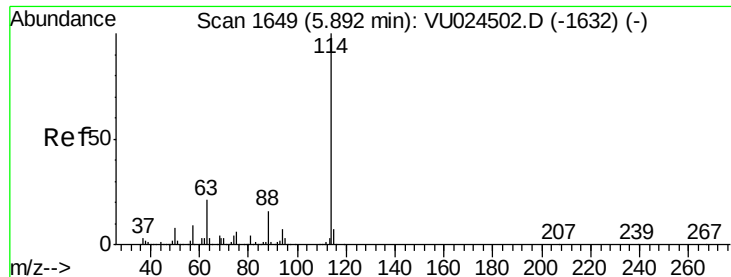
Tot Ion: 56 Resp: 3994
Ion Ratio Lower Upper
56 100
69 145.6 24.8 37.2#
84 132.2 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 44.489 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

Tgt Ion: 65 Resp: 130204
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :
MSVOA_U
ClientSampleId :

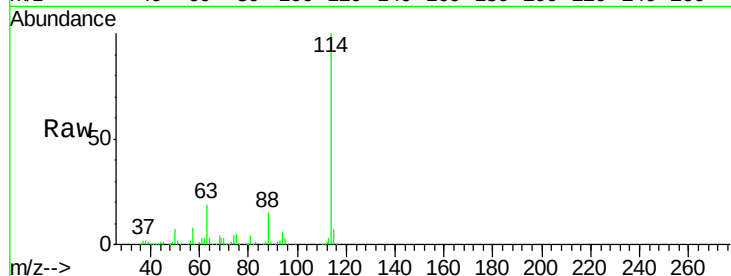
Tot Ion:114 Resp: 292642

Ion Ratio Lower Upper

114 100

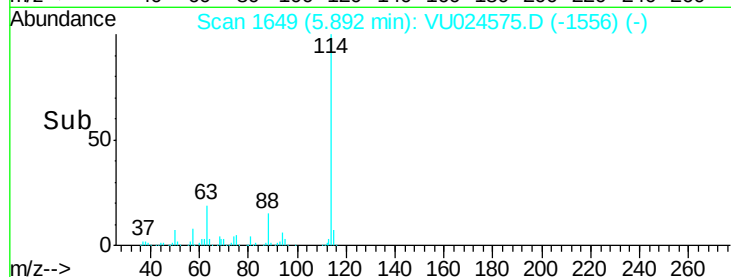
63 19.3 0.0 45.4

88 15.3 0.0 31.0

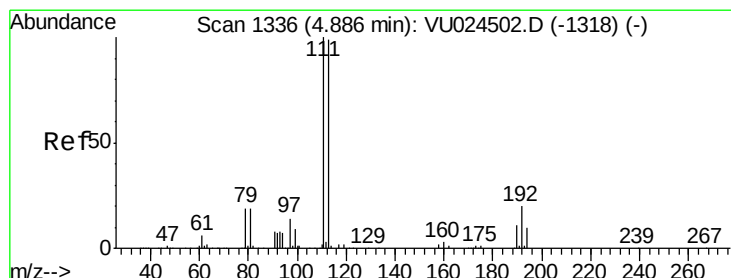


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

5.89



Time-->



#35

Dibromofluoromethane

Concen: 48.497 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

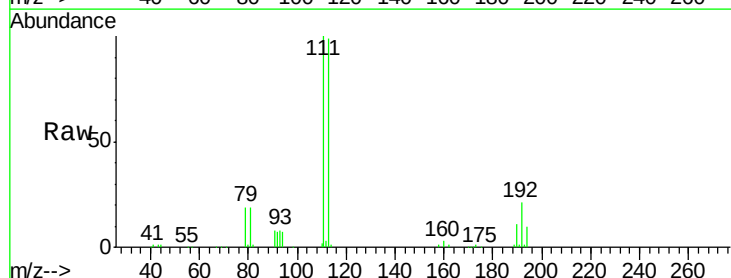
Tgt Ion:113 Resp: 117785

Ion Ratio Lower Upper

113 100

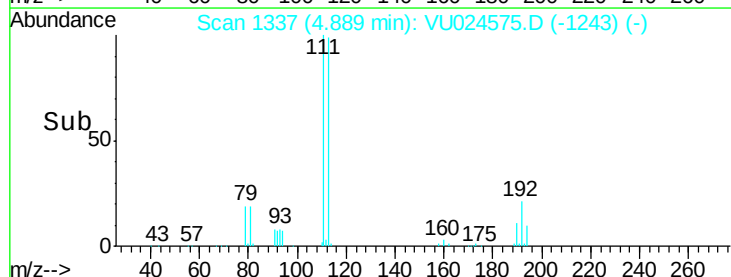
111 100.7 82.2 123.4

192 21.6 16.2 24.4

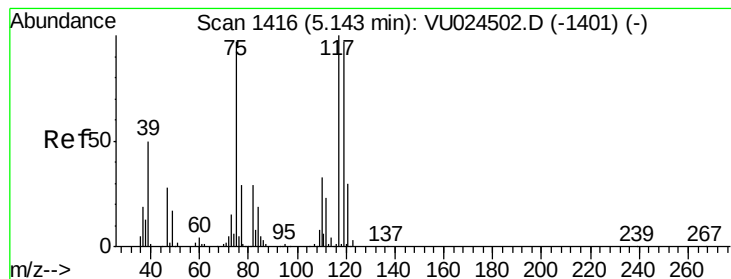


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

4.89



Time-->



#36

1,1-Dichloropropene

Concen: 3.609 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :

MSVOA_U

ClientSampleId :

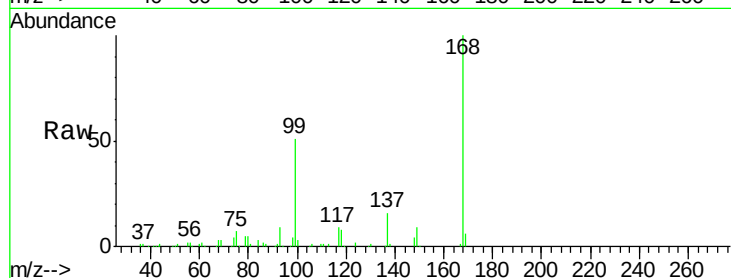
Tot Ion: 75 Resp: 12411

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024575.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024575.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024575.D (-1323) (-)

4.99

6000

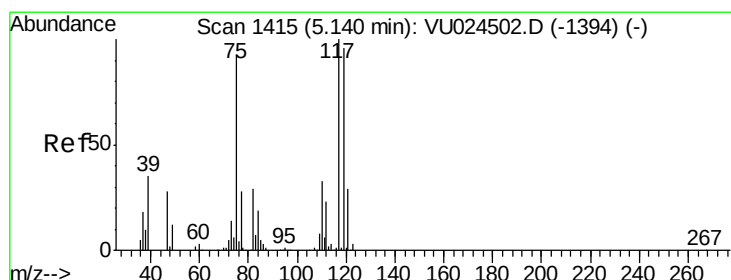
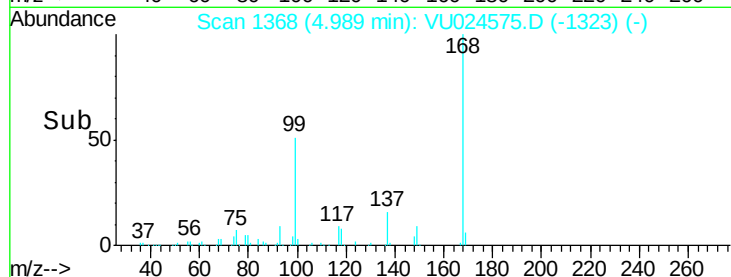
4000

2000

0

4.90 4.95 5.00 5.05

Time-->



#38

Carbon Tetrachloride

Concen: 4.301 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

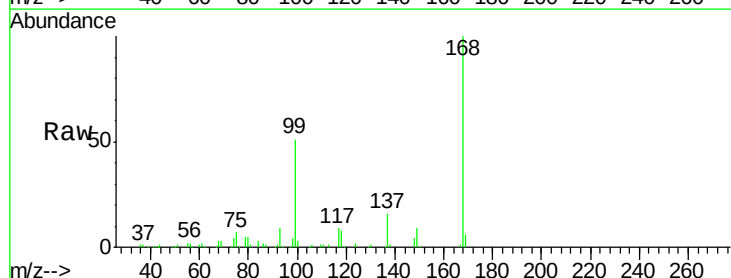
Tgt Ion: 117 Resp: 16265

Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): VU024575.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024575.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024575.D (-1322) (-)

4.99

10000

8000

6000

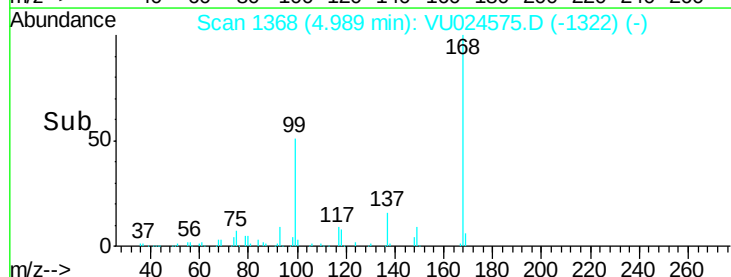
4000

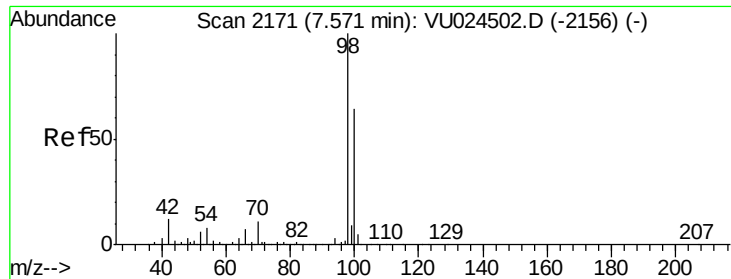
2000

0

4.90 4.95 5.00 5.05

Time-->

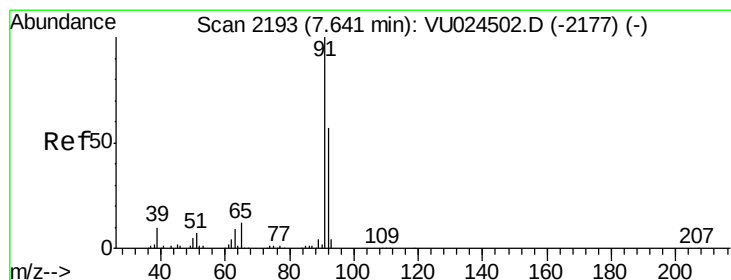
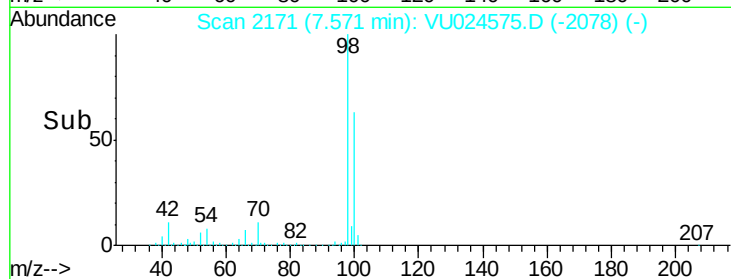
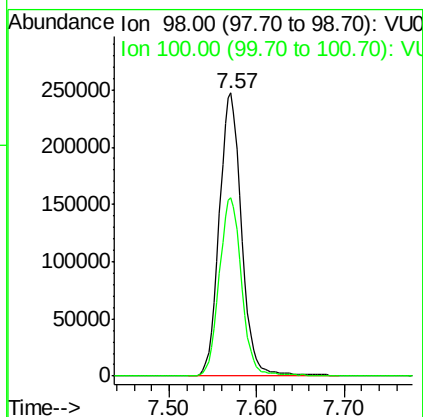
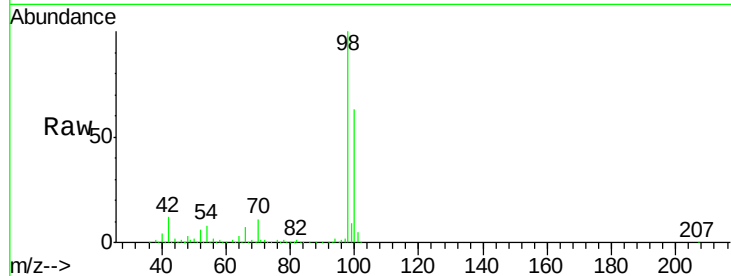




#50
Toluene-d8
Concen: 49.425 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

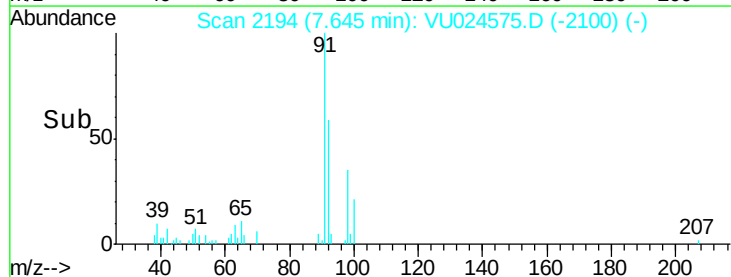
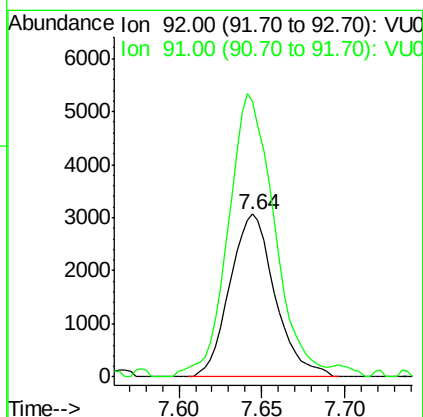
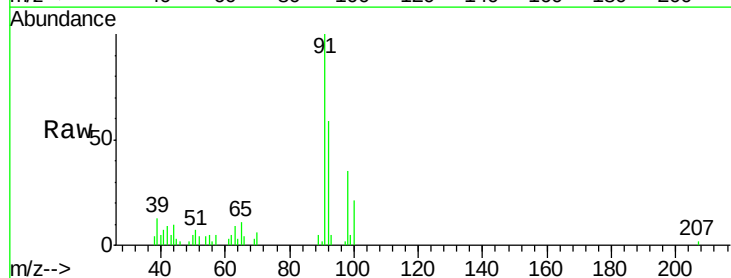
Instrument :
MSVOA_U
ClientSampled :

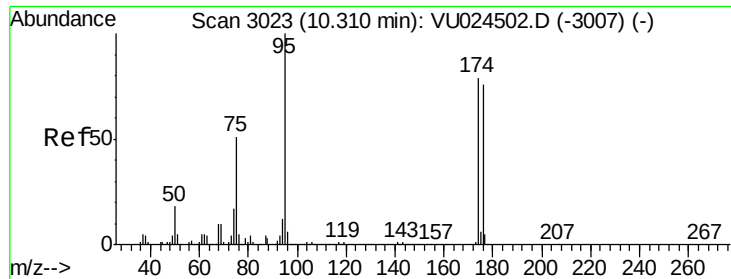
Tot Ion: 98 Resp: 437853
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



#52
Toluene
Concen: 0.921 ug/l
RT: 7.64 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

Tgt Ion: 92 Resp: 5803
Ion Ratio Lower Upper
92 100
91 178.0 140.5 210.7

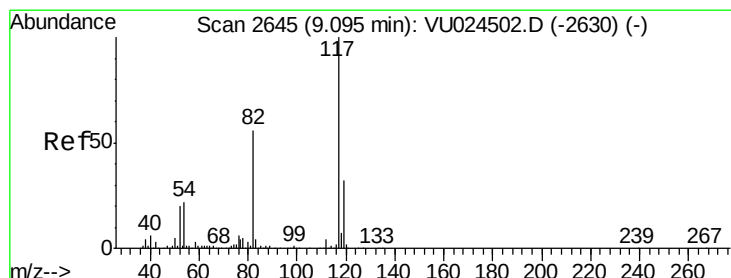
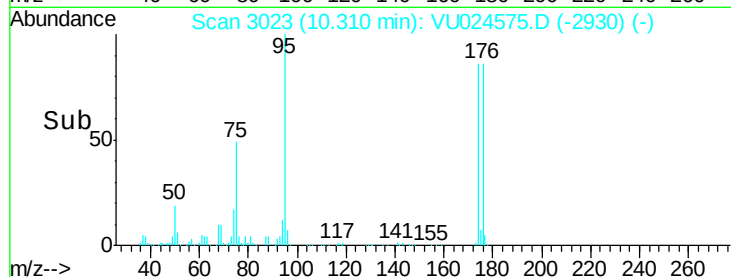
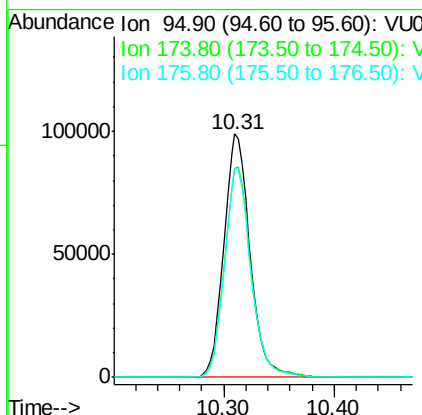
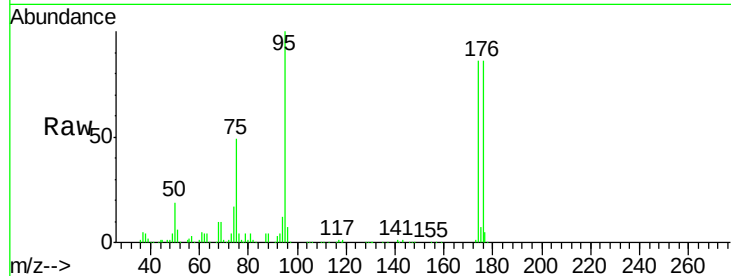




#62
4-Bromofluorobenzene
Concen: 46.518 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

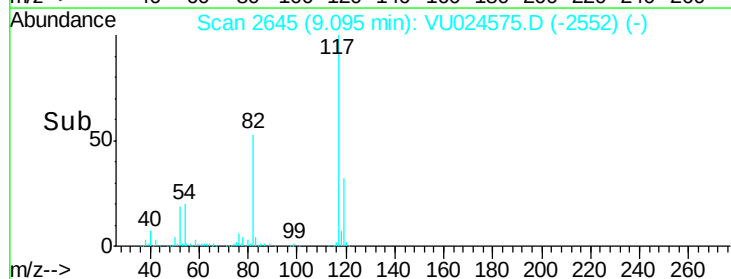
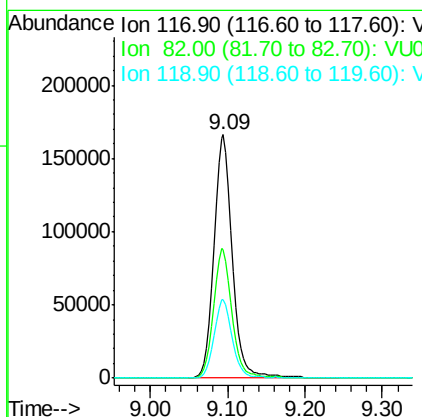
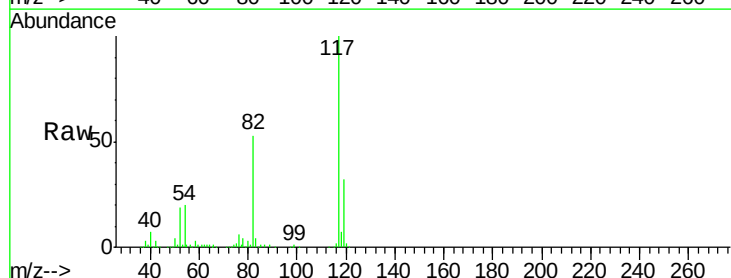
Instrument :
MSVOA_U
ClientSampleId :

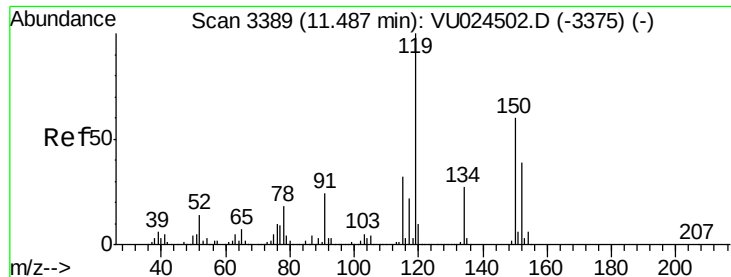
Tot Ion	95	Resp	163619
Ion Ratio	Lower	Upper	
95	100		
174	87.9	0.0	165.8
176	86.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024575.D
Acq: 15 Jun 2018 05:36

Tgt Ion	117	Resp	281717
Ion Ratio	Lower	Upper	
117	100		
82	53.0	44.3	66.5
119	32.4	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :

MSVOA_U

ClientSampleId :

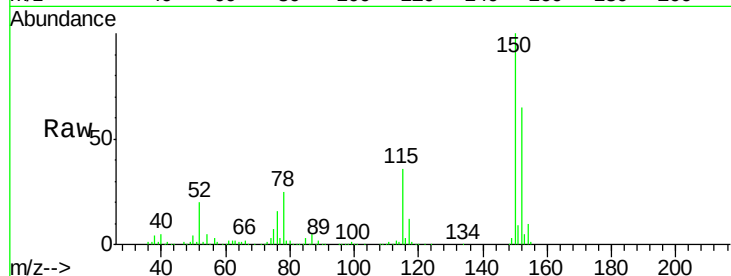
Tot Ion:152 Resp: 168994

Ion Ratio Lower Upper

152 100

115 55.5 43.0 129.0

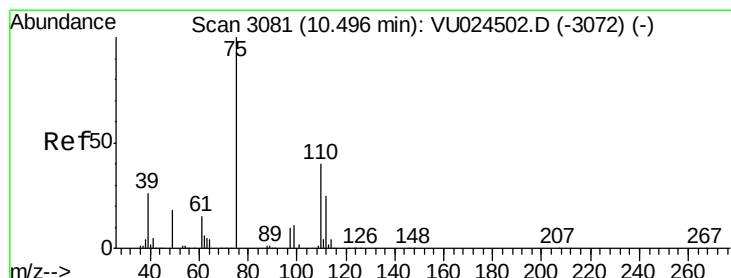
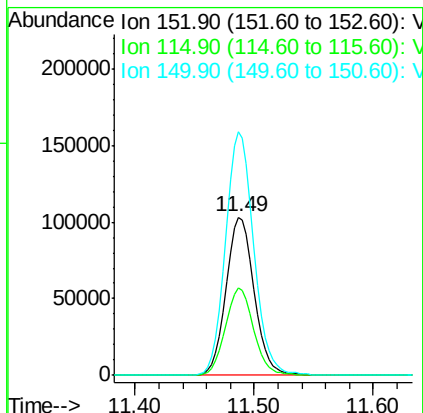
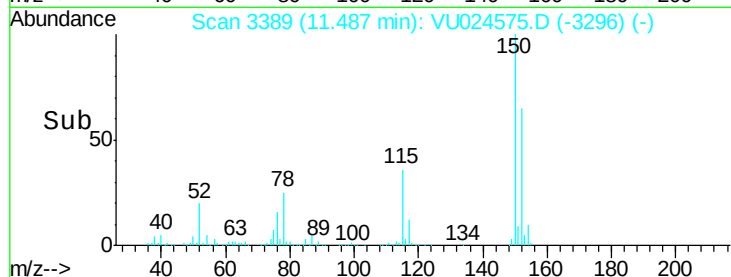
150 154.7 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 21.870 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024575.D

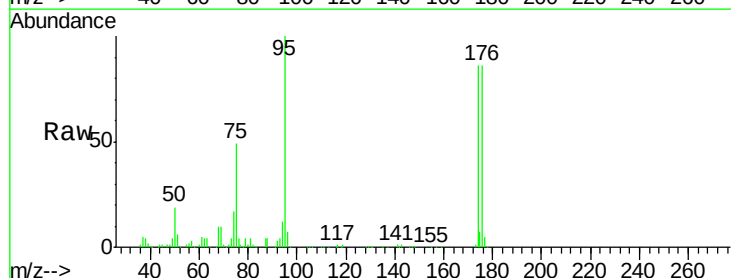
Acq: 15 Jun 2018 05:36

Tgt Ion: 75 Resp: 81370

Ion Ratio Lower Upper

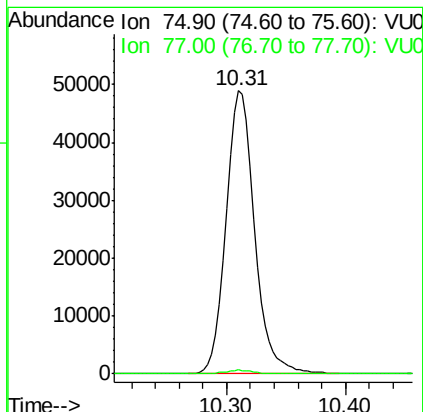
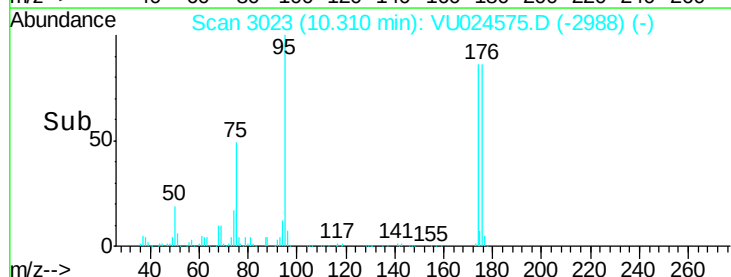
75 100

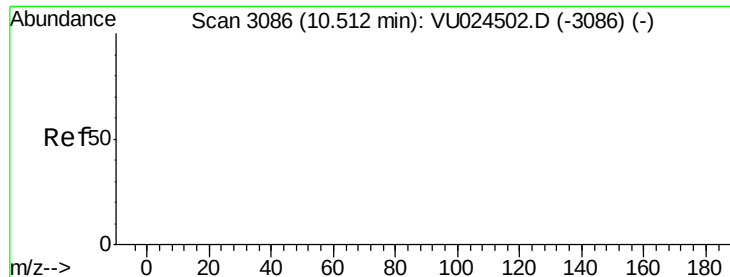
77 1.3 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.616 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

Instrument :

MSVOA_U

ClientSampleId :

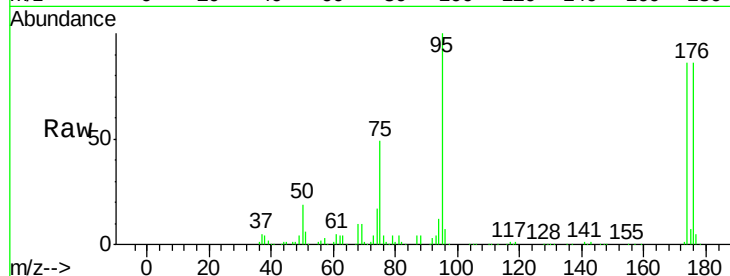
Tot Ion: 75 Resp: 81370

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

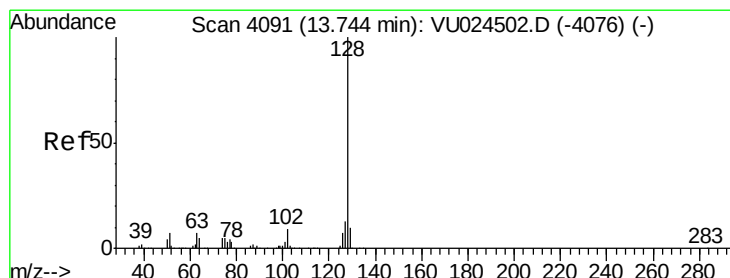
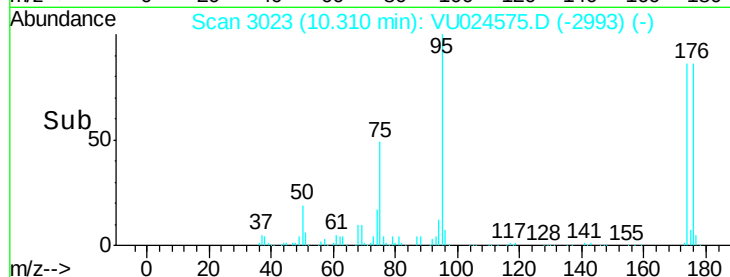
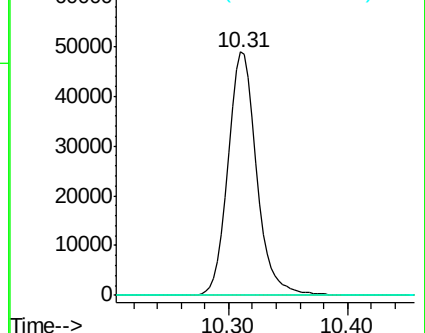
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.681 ug/l

RT: 13.81 min Scan# 4111

Delta R.T. 0.07 min

Lab File: VU024575.D

Acq: 15 Jun 2018 05:36

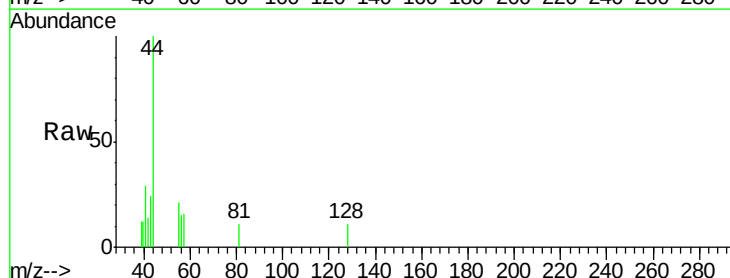
Tgt Ion:128 Resp: 20

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

