

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026216.D
 Acq On : 20 Aug 2018 18:22
 Operator : MD/SY
 Sample : J4045-10DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:42:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

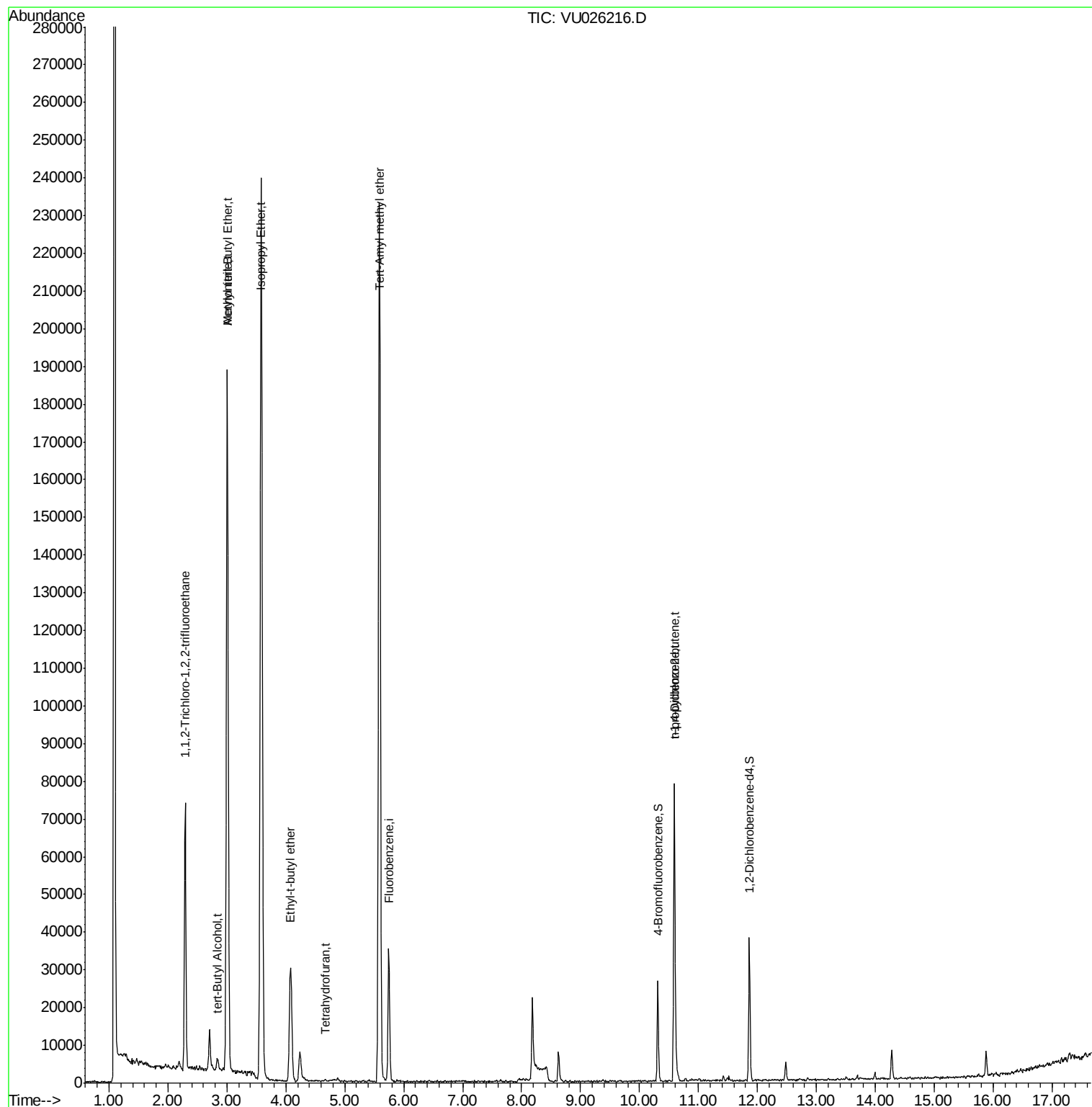
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	33804	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	8621	0.71	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10694	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.00%	
Target Compounds						Ovalue
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25576	2.782	ug/l	98
12) Acrylonitrile	3.01	53	2466	1.386	ug/l #	34
13) Acetone	2.31	43	138	Below Cal	#	42
24) tert-Butyl Alcohol	2.83	59	3176	5.162	ug/l #	87
25) Methyl tert-Butyl Ether	3.00	73	192257	9.394	ug/l	98
31) Isopropyl Ether	3.58	45	232263	8.483	ug/l	91
32) Ethyl-t-butyl ether	4.08	59	33275	1.387	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	183902	8.977	ug/l	97
41) Tetrahydrofuran	4.66	42	360	0.211	ug/l #	36
46) t-1,4-Dichloro-2-butene	10.59	75	293	0.595	ug/l #	1
73) n-propylbenzene	10.59	120	12327	1.025	ug/l	100
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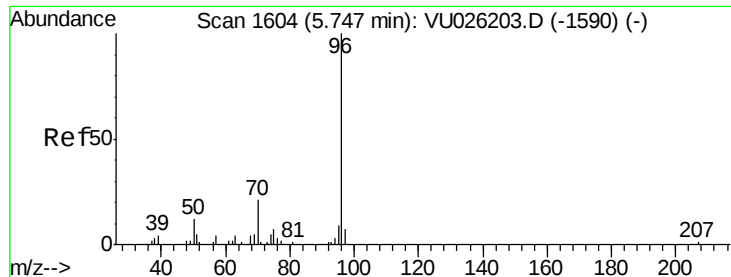
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 96 Resp: 33804

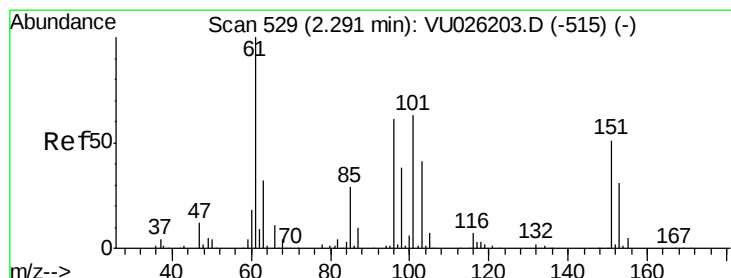
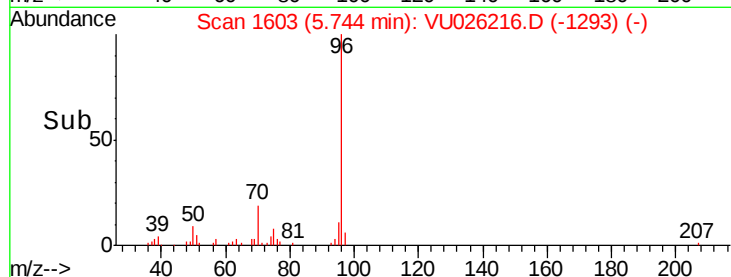
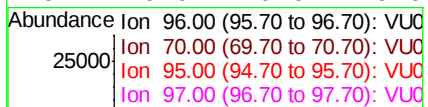
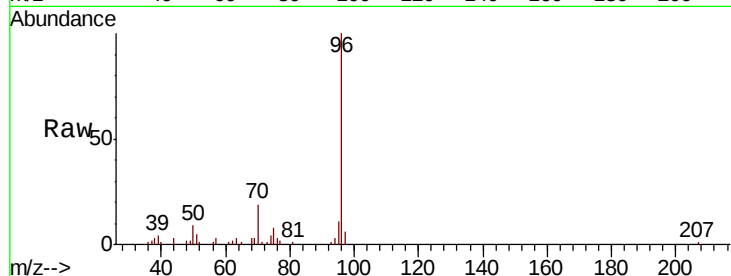
Ion Ratio Lower Upper

96 100

70 18.8 16.2 24.4

95 9.8 6.9 10.3

97 6.0 0.0 0.0#



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.782 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

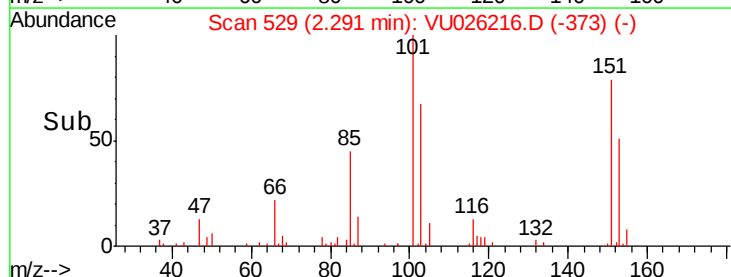
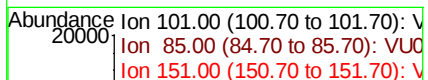
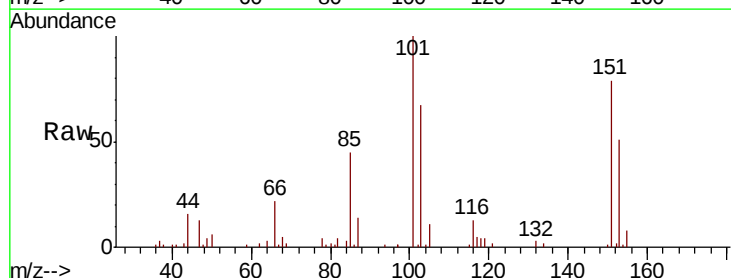
Tgt Ion:101 Resp: 25576

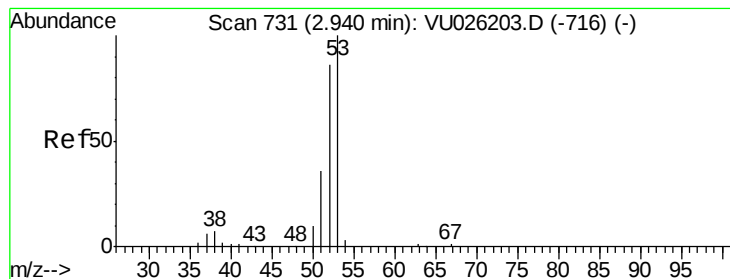
Ion Ratio Lower Upper

101 100

85 45.4 35.2 52.8

151 77.6 63.5 95.3





#12

Acrylonitrile

Concen: 1.386 ug/l

RT: 3.01 min Scan# 752

Delta R.T. 0.07 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

Instrument :

MSVOA_U

ClientSampled :

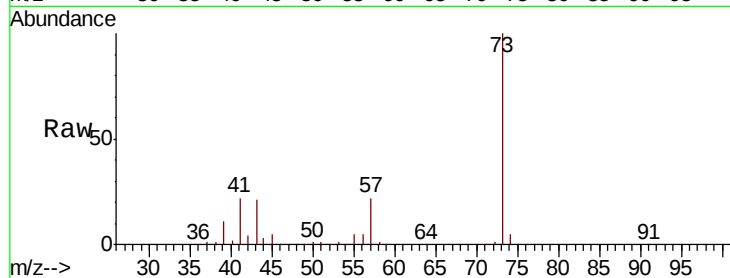
Tot Ion: 53 Resp: 2466

Ion Ratio Lower Upper

53 100

52 21.7 65.1 97.7#

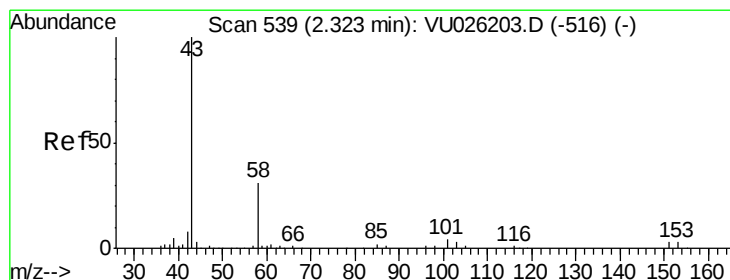
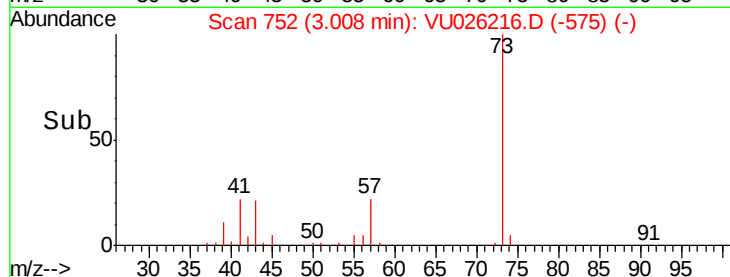
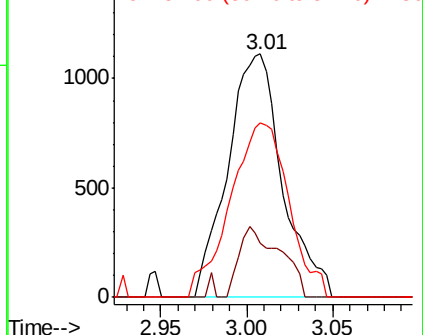
51 76.4 30.2 45.4#



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: Below Cal

RT: 2.31 min Scan# 535

Delta R.T. -0.01 min

Lab File: VU026216.D

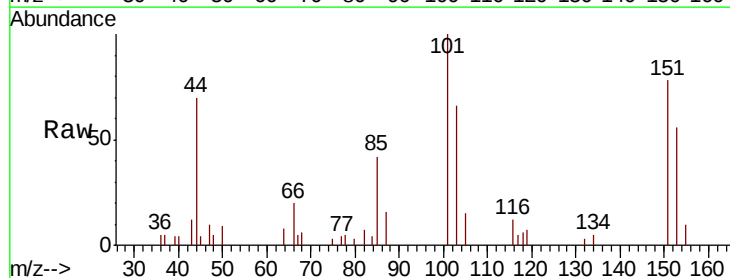
Acq: 20 Aug 2018 18:22

Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

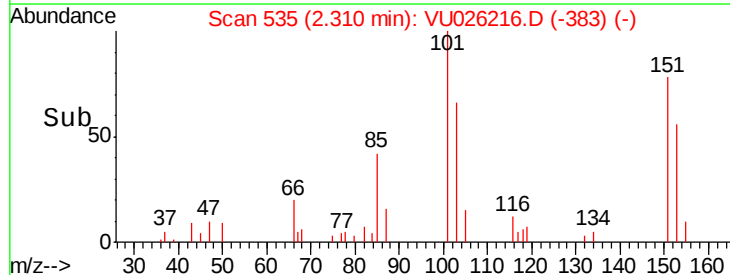
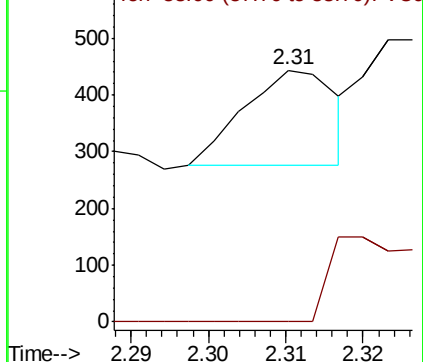
43 100

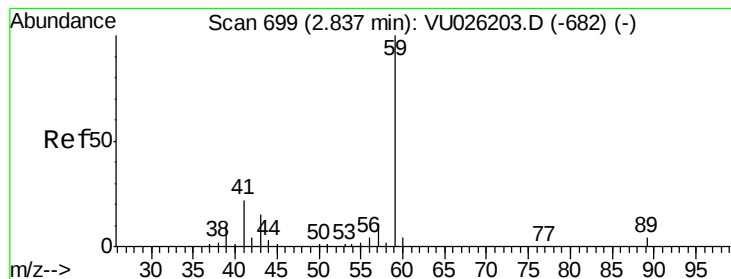
58 0.0 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#24

tert-Butyl Alcohol

Concen: 5.162 ug/l

RT: 2.83 min Scan# 697

Delta R.T. -0.01 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

Instrument :

MSVOA_U

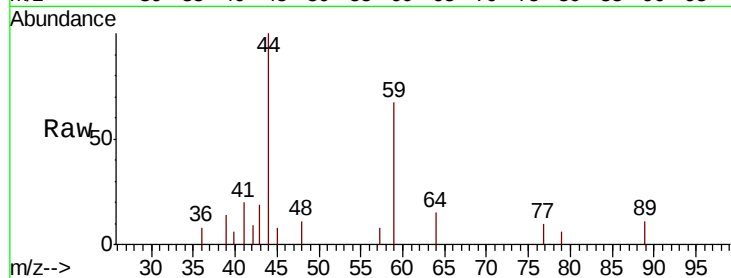
ClientSampleId :

Tot Ion: 59 Resp: 3176

Ion Ratio Lower Upper

59 100

57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

1500

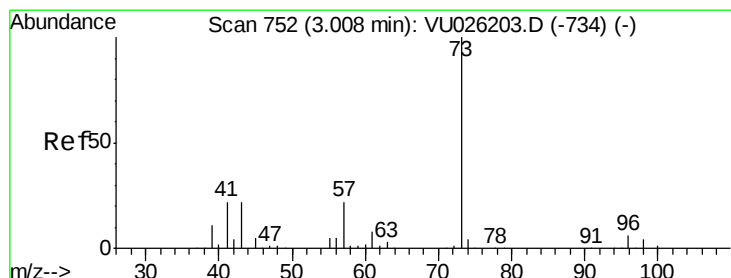
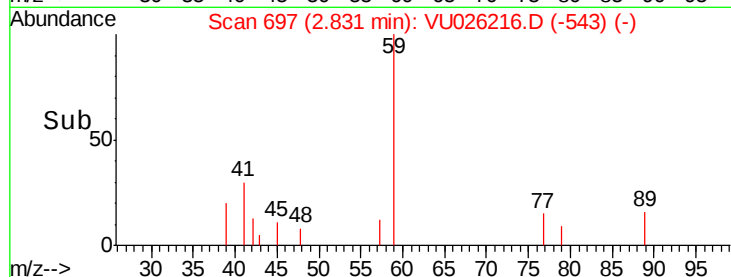
1000

500

0

2.80 2.85 2.90

Time-->



#25

Methyl tert-Butyl Ether

Concen: 9.394 ug/l

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU026216.D

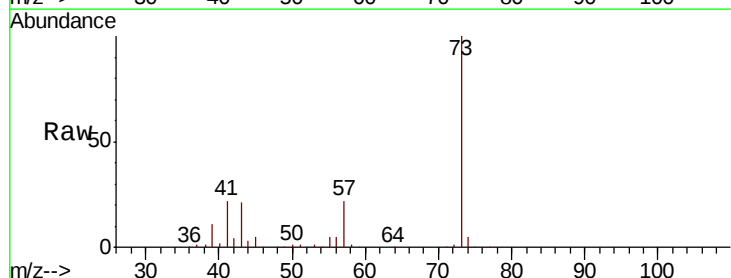
Acq: 20 Aug 2018 18:22

Tgt Ion: 73 Resp: 192257

Ion Ratio Lower Upper

73 100

43 21.2 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.00

100000

80000

60000

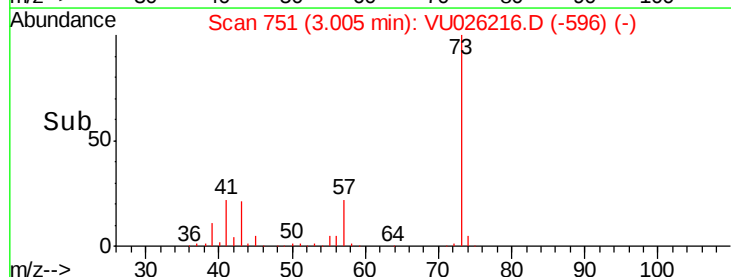
40000

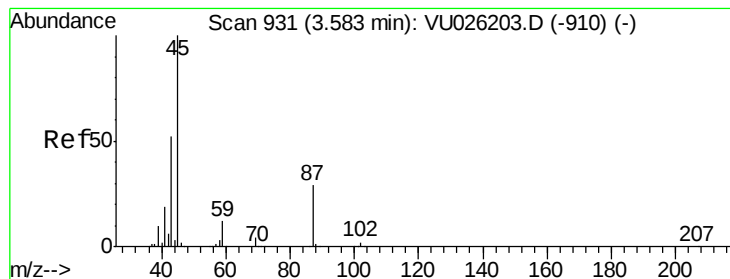
20000

0

2.90 3.00 3.10

Time-->





#31

Isopropyl Ether

Concen: 8.483 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

Instrument :

MSVOA_U

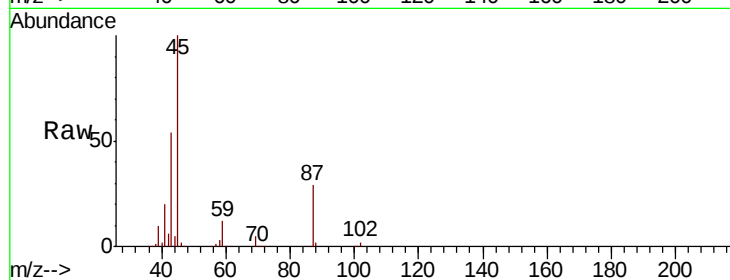
ClientSampleId :

Tot Ion: 45 Resp: 232263

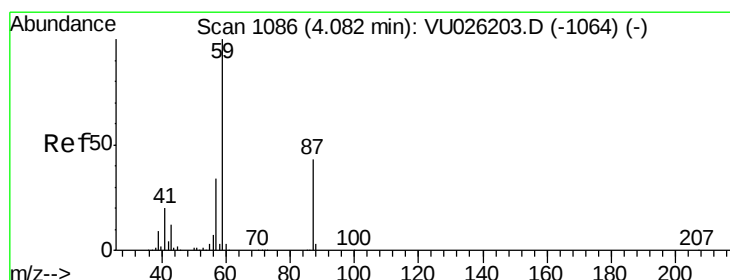
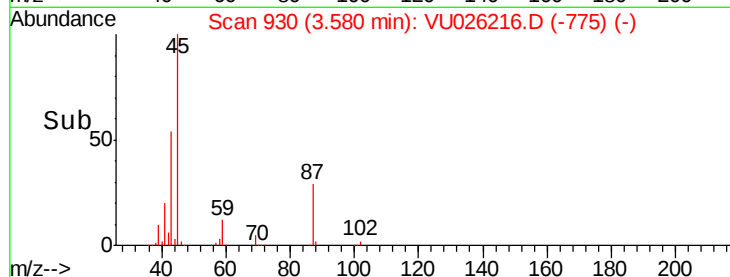
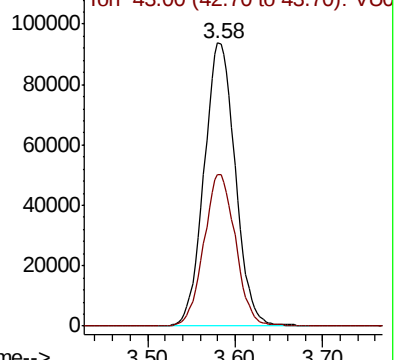
Ion Ratio Lower Upper

45 100

43 54.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU026216.D (-930) (-)



#32

Ethyl-t-butyl ether

Concen: 1.387 ug/l

RT: 4.08 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VU026216.D

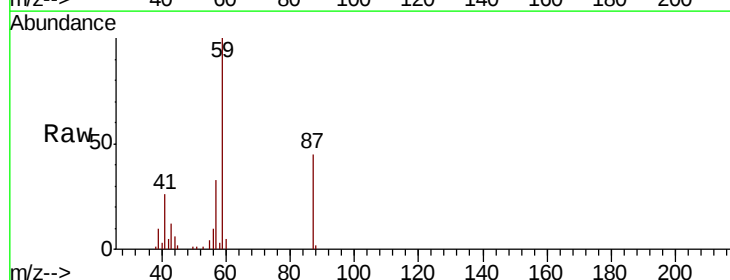
Acq: 20 Aug 2018 18:22

Tgt Ion: 59 Resp: 33275

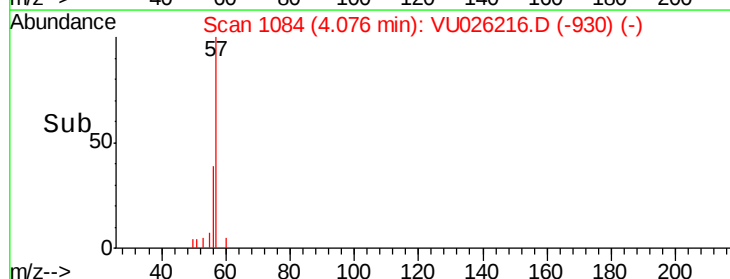
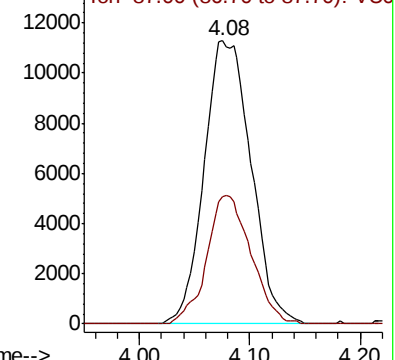
Ion Ratio Lower Upper

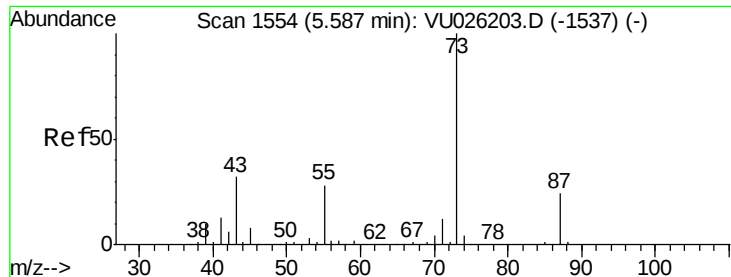
59 100

87 42.6 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026216.D (-1084) (-)

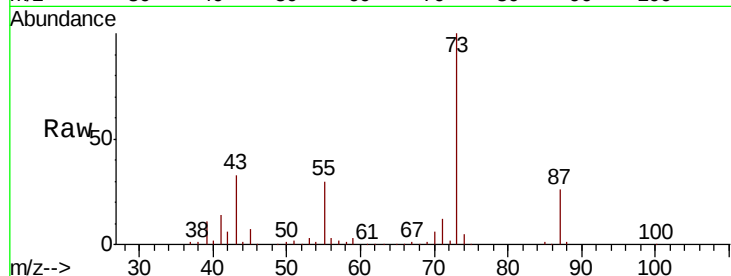




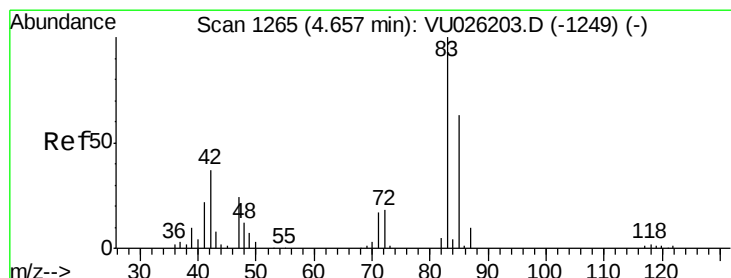
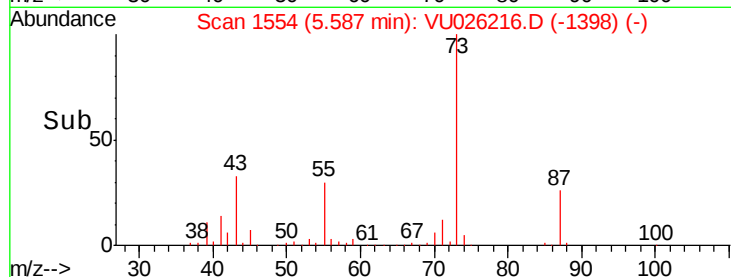
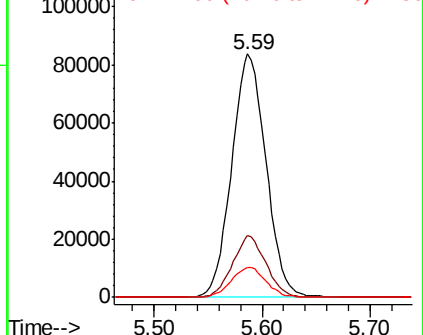
#33
Tert-Amvl methvl ether
Concen: 8.977 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026216.D
Acq: 20 Aug 2018 18:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 183902
Ion Ratio Lower Upper
73 100
87 24.7 18.6 28.0
71 12.5 9.3 13.9

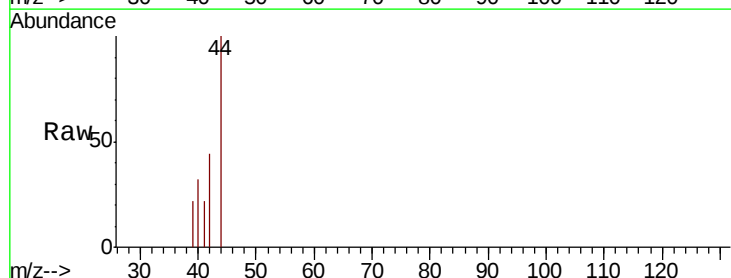


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

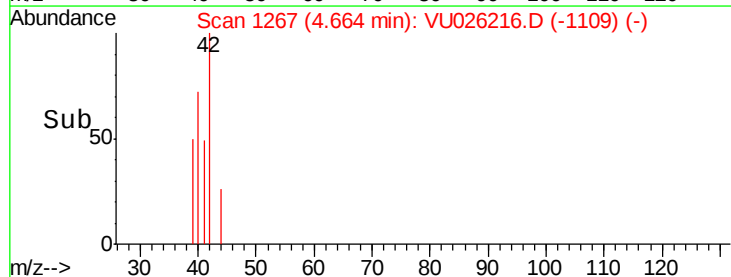
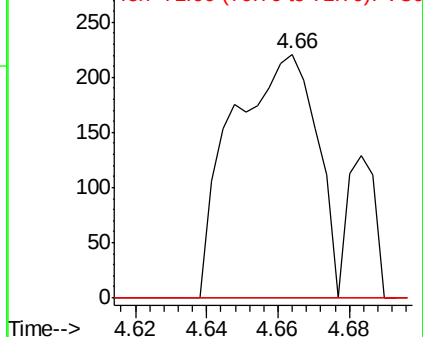


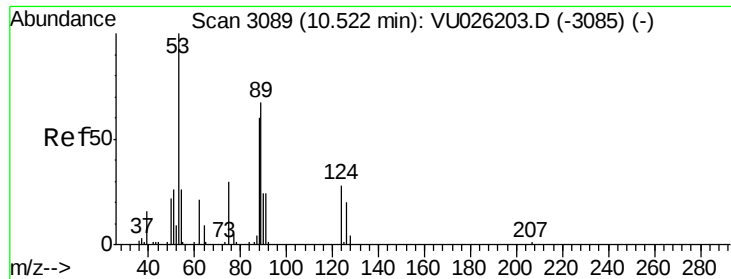
#41
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 4.66 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VU026216.D
Acq: 20 Aug 2018 18:22

Tgt Ion: 42 Resp: 360
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 29.8 44.8#



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

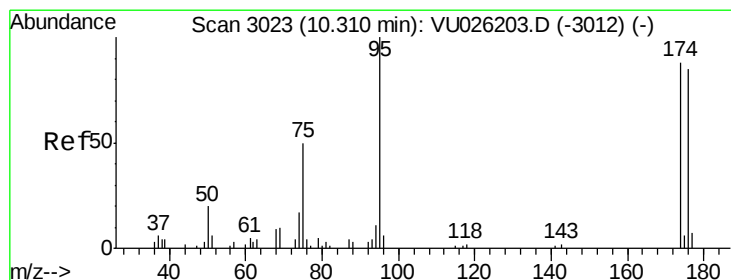
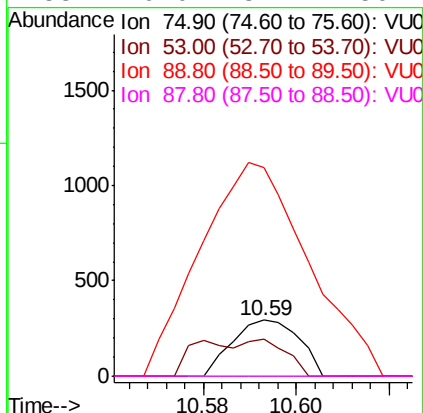
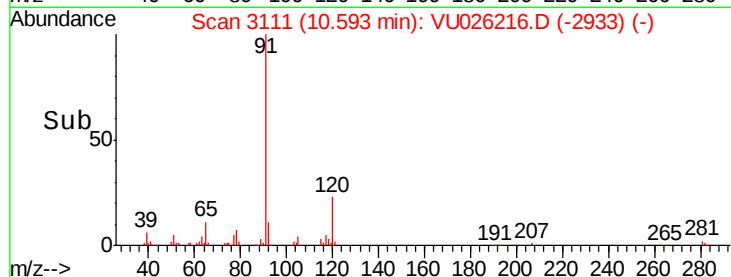
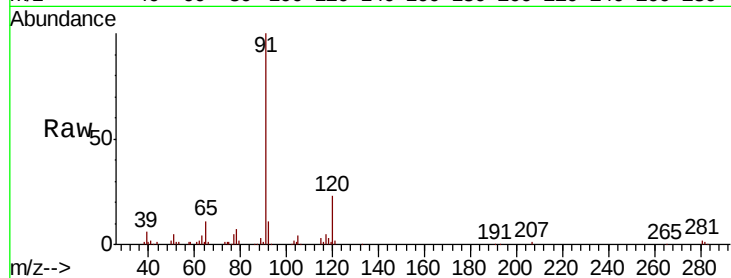




#46
t-1,4-Dichloro-2-butene
Concen: 0.595 ug/l
RT: 10.59 min Scan# 3111
Delta R.T. 0.07 min
Lab File: VU026216.D
Acq: 20 Aug 2018 18:22

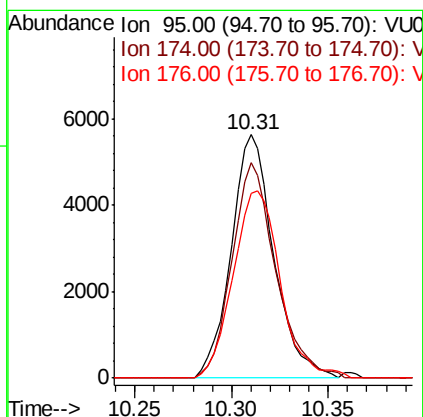
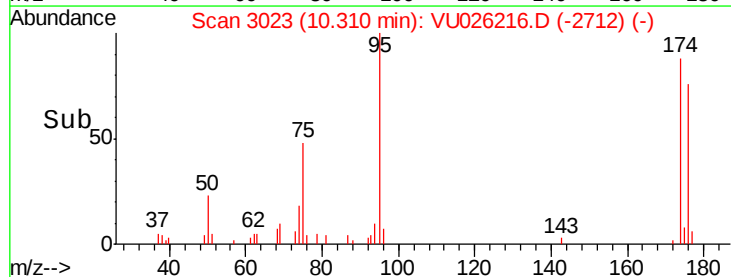
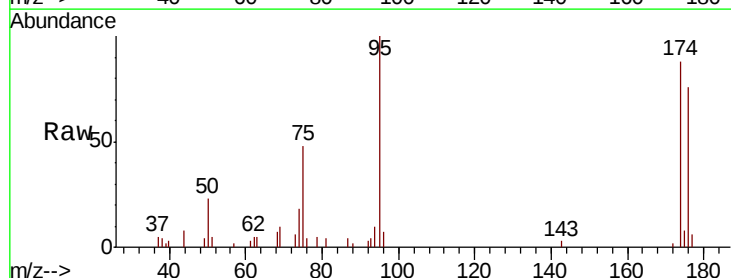
Instrument :
MSVOA_U
ClientSampleId :

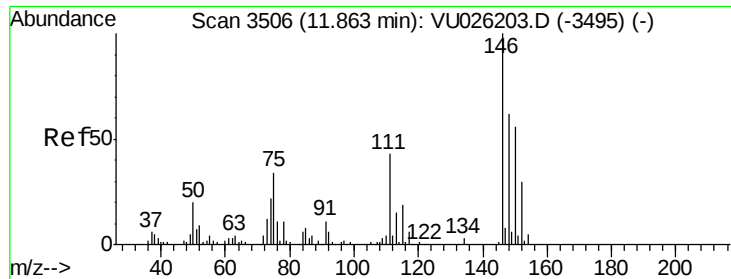
Tot Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
53 43.7 82.2 123.4#
89 620.5 51.3 76.9#
88 0.0 37.4 56.2#



#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026216.D
Acq: 20 Aug 2018 18:22

Tgt Ion: 95 Resp: 8621
Ion Ratio Lower Upper
95 100
174 91.0 65.6 98.4
176 85.2 62.0 93.0





#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026216.D

Acq: 20 Aug 2018 18:22

Instrument :

MSVOA_U

ClientSampleId :

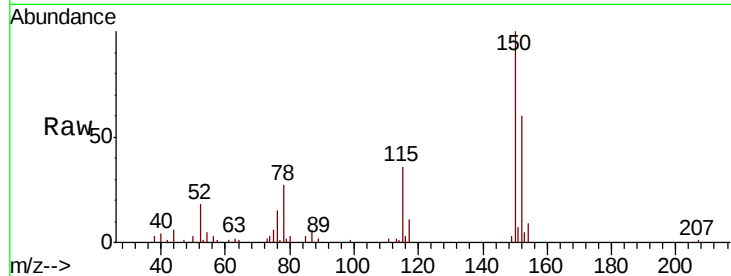
Tot Ion:152 Resp: 10694

Ion Ratio Lower Upper

152 100

115 59.5 0.0 118.8

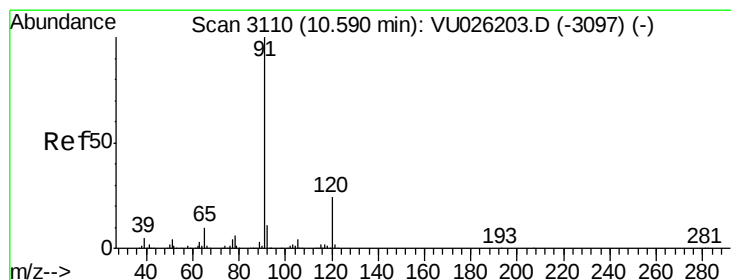
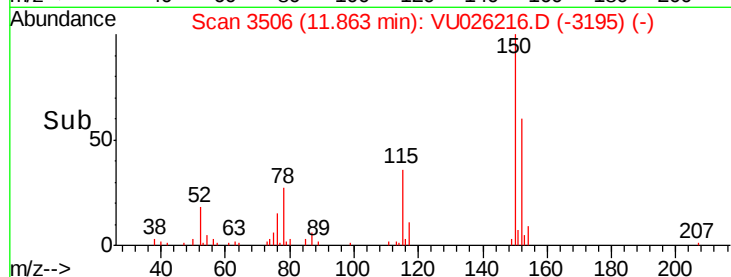
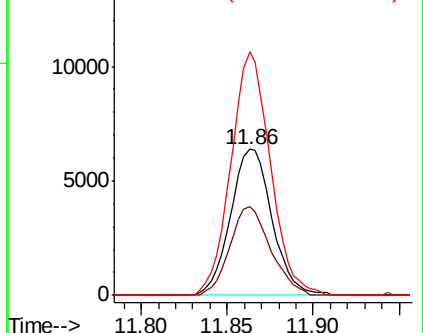
150 158.6 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

n-propylbenzene

Concen: 1.025 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026216.D

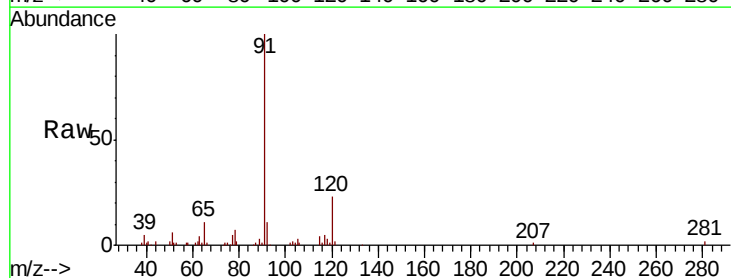
Acq: 20 Aug 2018 18:22

Tgt Ion:120 Resp: 12327

Ion Ratio Lower Upper

120 100

91 440.4 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

