

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026215.D
 Acq On : 20 Aug 2018 17:58
 Operator : MD/SY
 Sample : J4045-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

Quant Time: Aug 21 08:46:41 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

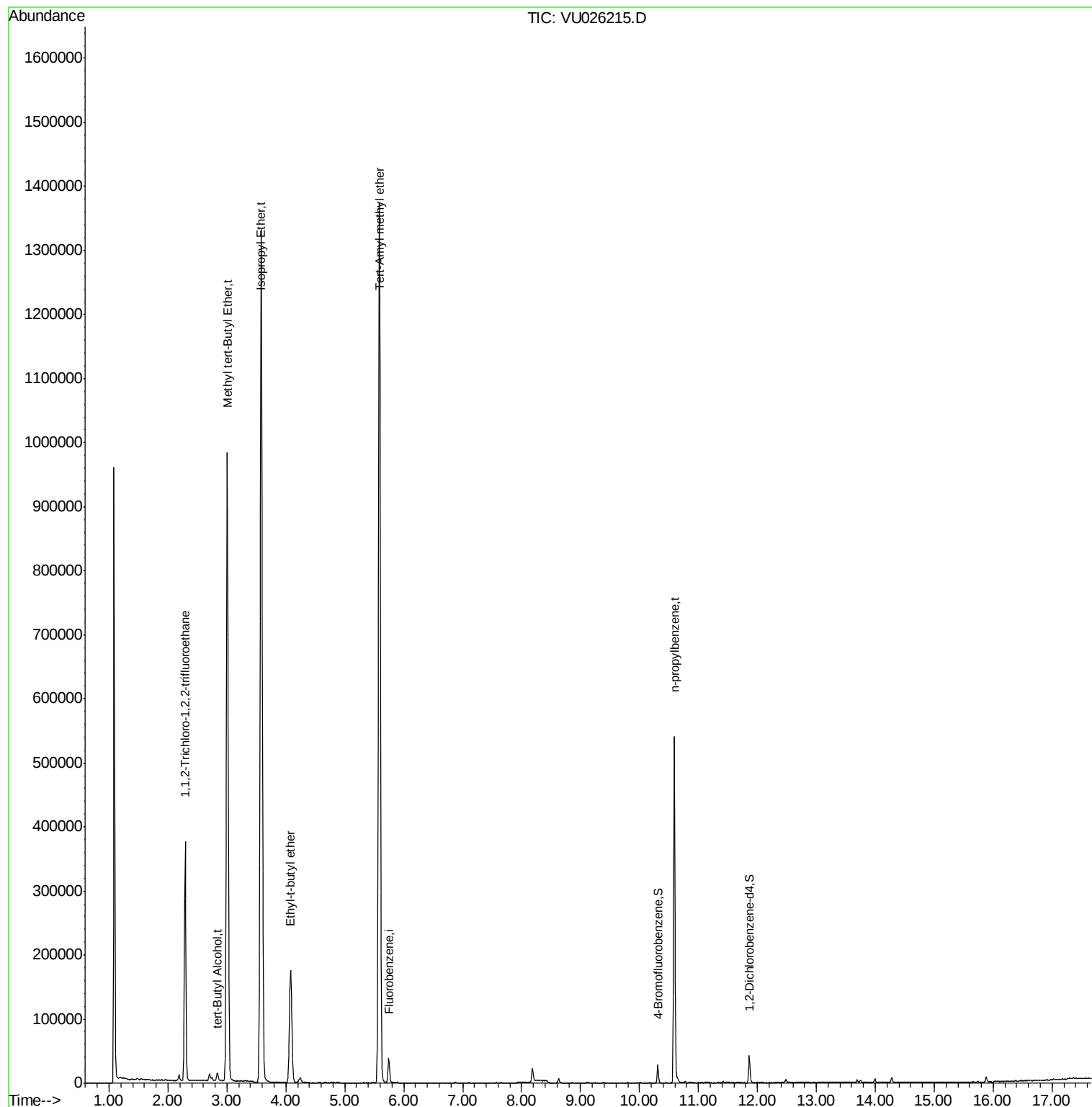
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	34973	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	9126	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11749	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	137800	14.49	ug/l	Ovalue 99
24) tert-Butyl Alcohol	2.84	59	12599	19.79	ug/l #	87
25) Methyl tert-Butyl Ether	3.00	73	1012676	47.82	ug/l	98
31) Isopropyl Ether	3.58	45	1335847	47.16	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	192197	7.75	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	1156044	54.54	ug/l	98
73) n-propylbenzene	10.59	120	87255	7.01	ug/l	98

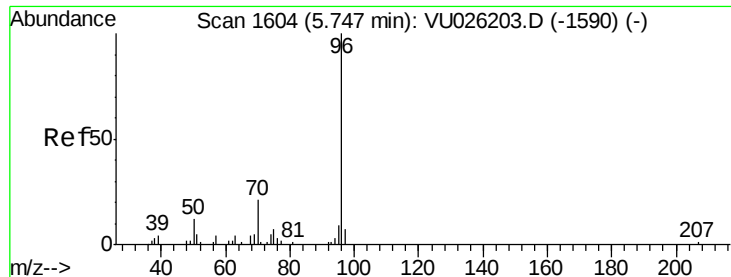
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026215.D

Acq: 20 Aug 2018 17:58

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tot Ion: 96 Resp: 34973

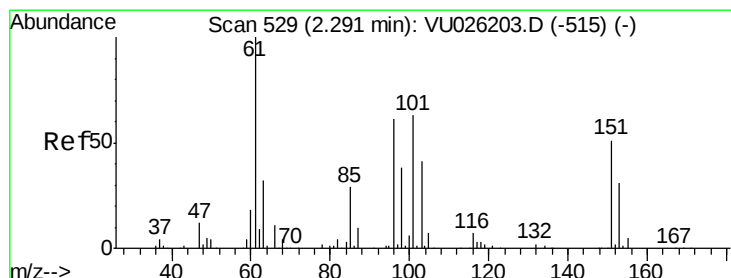
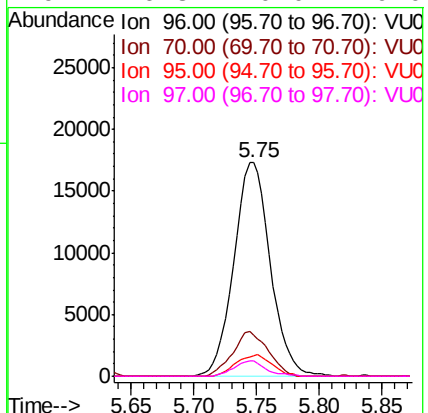
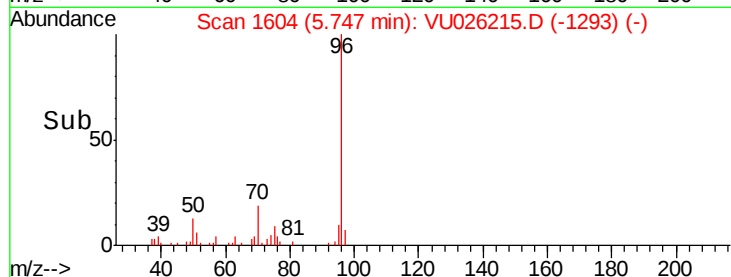
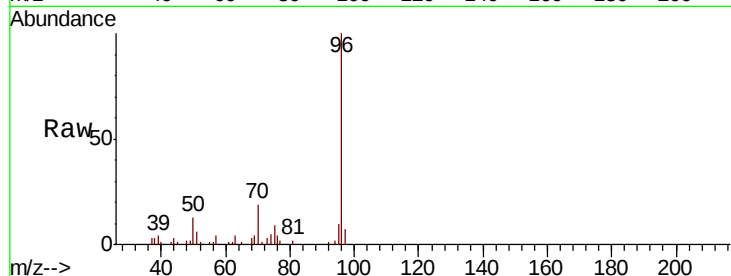
Ion Ratio Lower Upper

96 100

70 20.1 16.2 24.4

95 9.9 6.9 10.3

97 6.3 0.0 0.0#



#8

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

Concen: 14.49 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026215.D

Acq: 20 Aug 2018 17:58

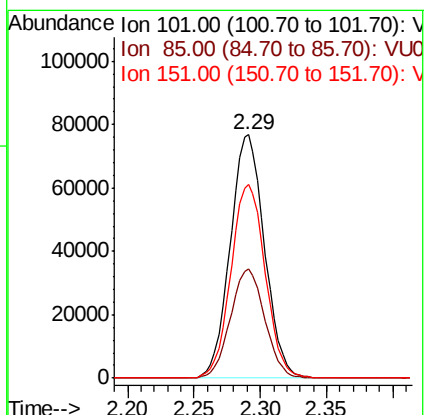
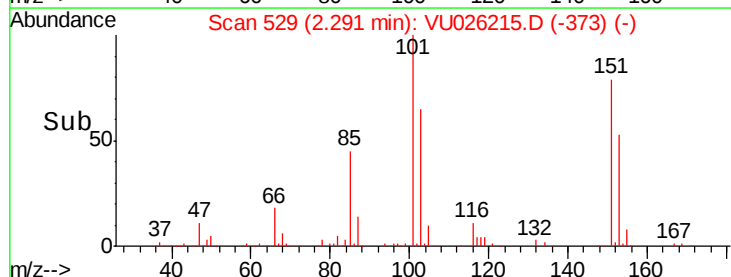
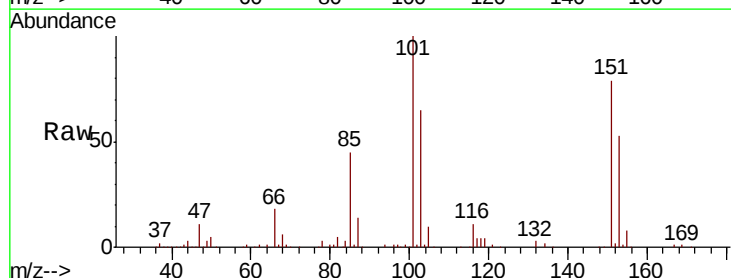
Tgt Ion: 101 Resp: 137800

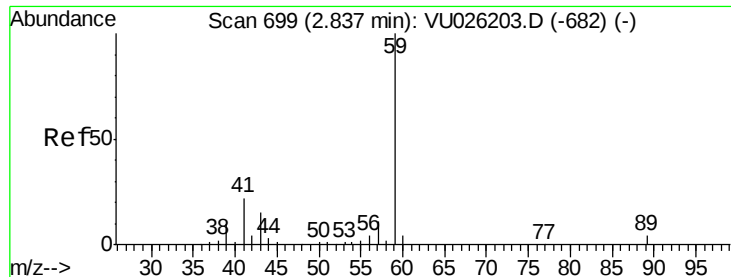
Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

151 79.7 63.5 95.3





#24

tert-Butyl Alcohol

Concen: 19.79 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.00 min

Lab File: VU026215.D

Acq: 20 Aug 2018 17:58

Instrument :

MSVOA_U

ClientSampleId :

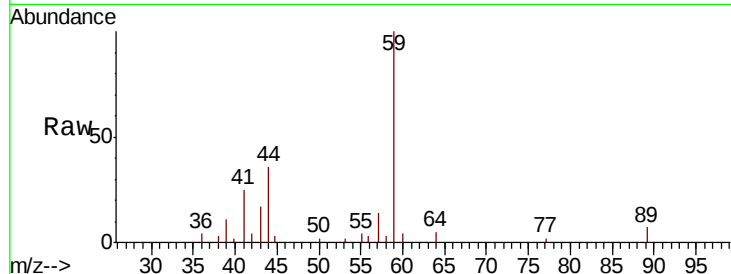
PT-ADD-WS

Tot Ion: 59 Resp: 12599

Ion Ratio Lower Upper

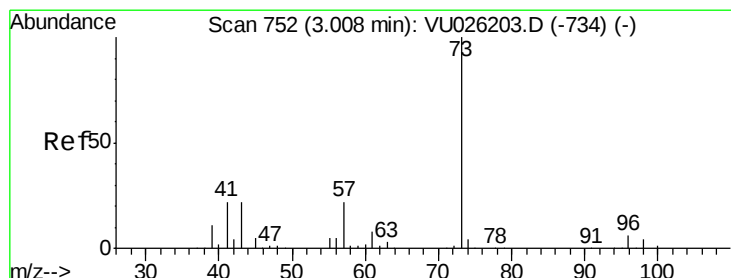
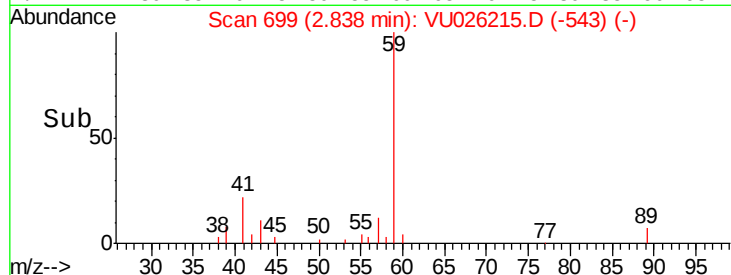
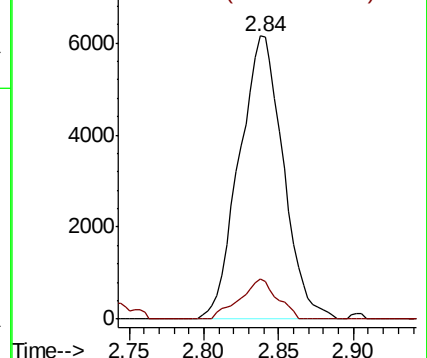
59 100

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



#25

Methyl tert-Butyl Ether

Concen: 47.82 ug/l

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU026215.D

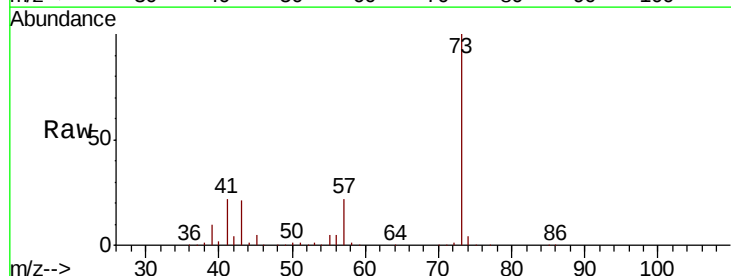
Acq: 20 Aug 2018 17:58

Tgt Ion: 73 Resp: 1012676

Ion Ratio Lower Upper

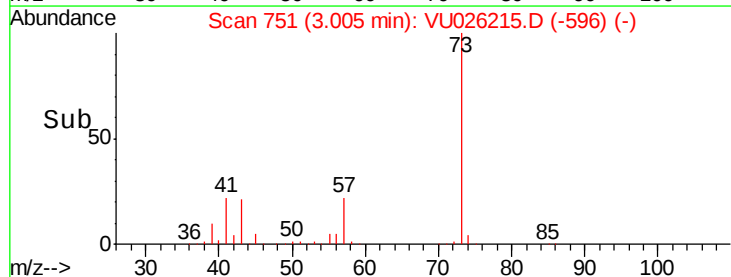
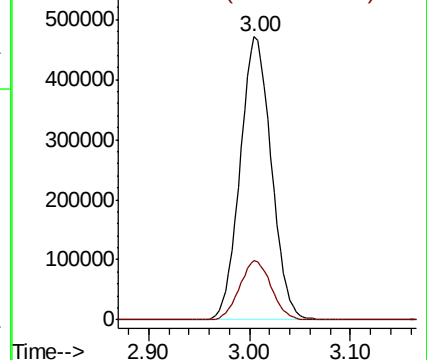
73 100

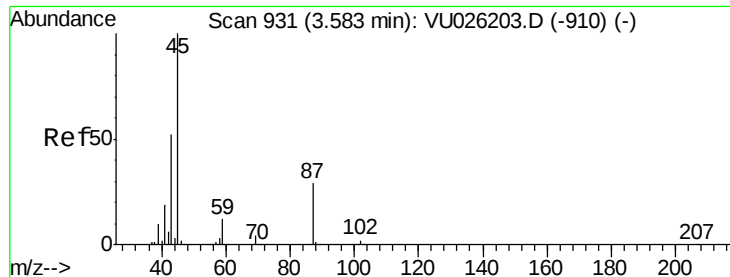
43 21.2 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#31

Isopropyl Ether

Concen: 47.16 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026215.D

Acq: 20 Aug 2018 17:58

Instrument :

MSVOA_U

ClientSampleId :

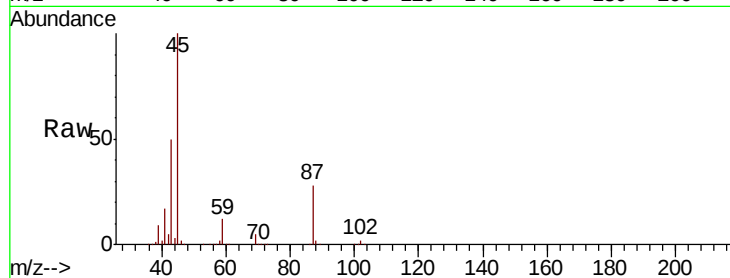
PT-ADD-WS

Tot Ion: 45 Resp: 1335847

Ion Ratio Lower Upper

45 100

43 50.5 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU026215.D (-930) (-)

Ion 43.00 (42.70 to 43.70): VU026215.D (-930) (-)

3.58

600000

500000

400000

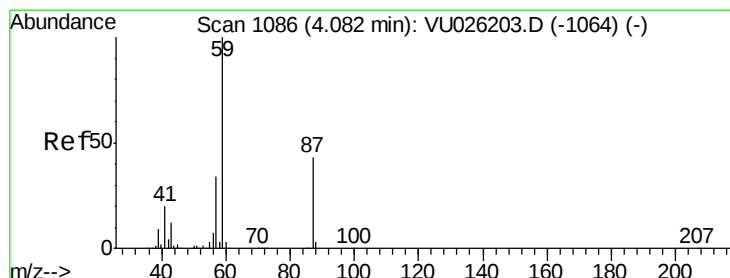
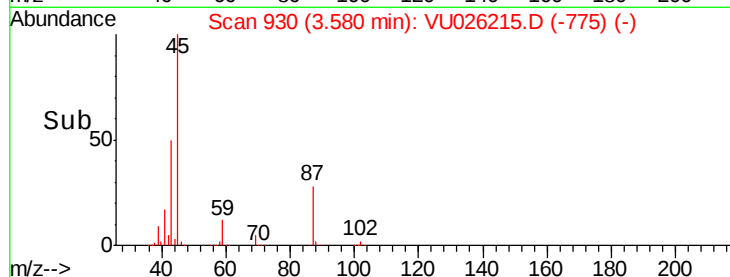
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 7.75 ug/l

RT: 4.08 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VU026215.D

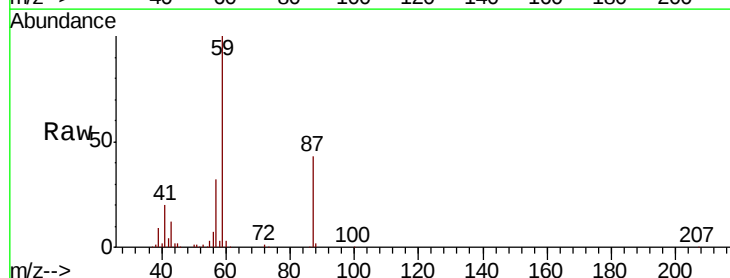
Acq: 20 Aug 2018 17:58

Tgt Ion: 59 Resp: 192197

Ion Ratio Lower Upper

59 100

87 43.2 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026215.D (-1085) (-)

Ion 87.00 (86.70 to 87.70): VU026215.D (-1085) (-)

4.08

80000

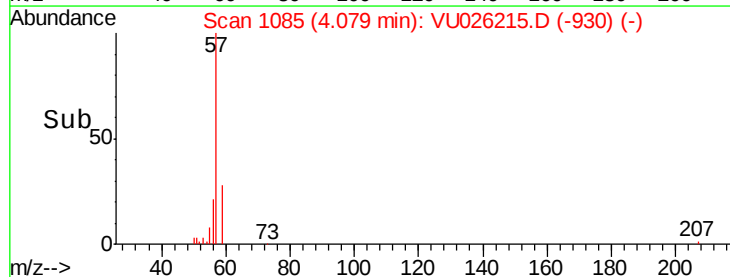
60000

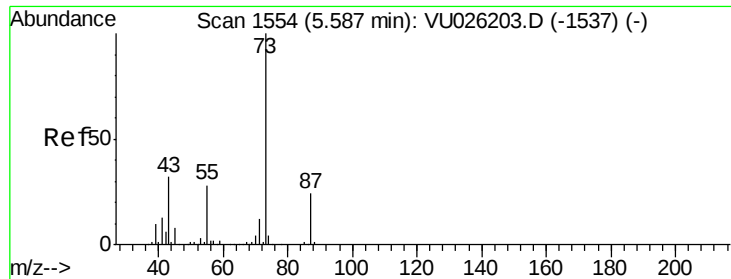
40000

20000

0

Time-->

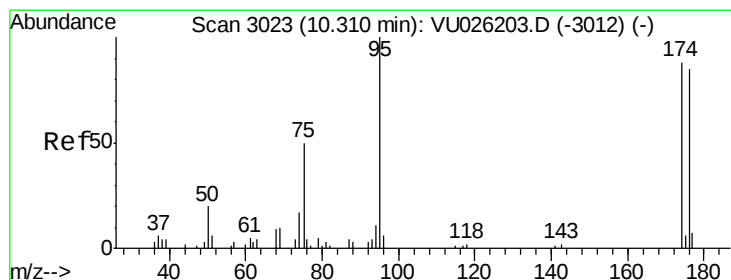
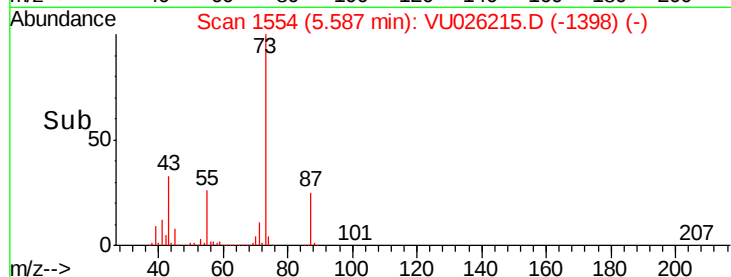
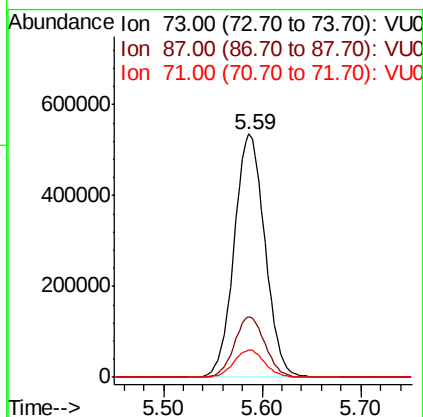
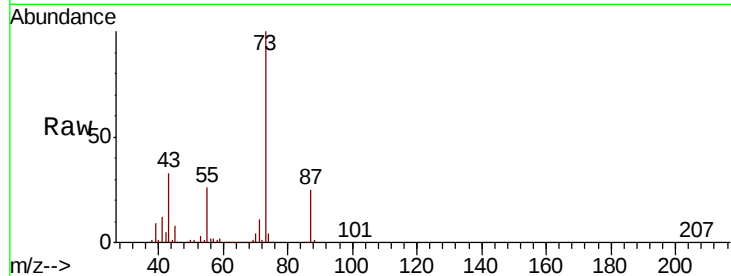




#33
Tert-Butyl methyl ether
Concen: 54.54 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026215.D
Acq: 20 Aug 2018 17:58

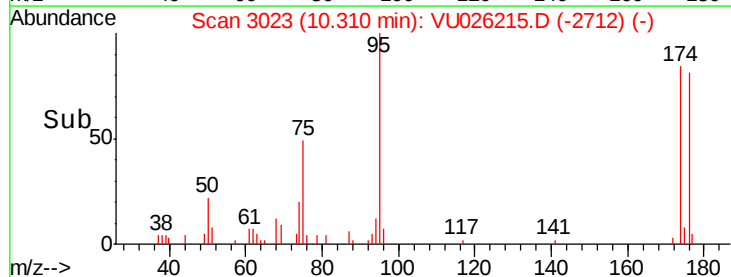
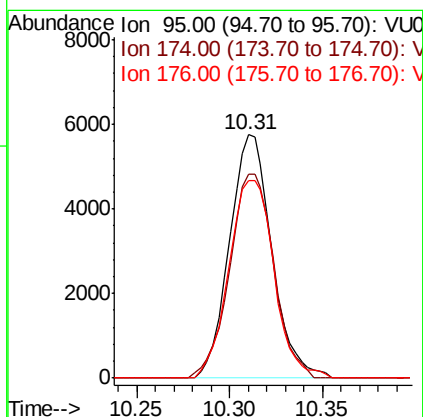
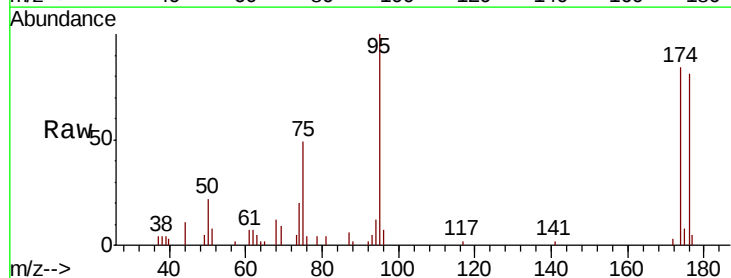
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

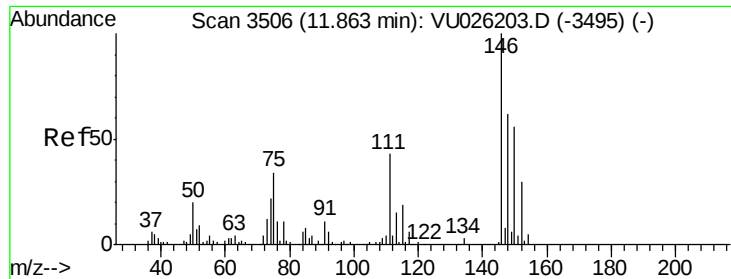
Tot Ion: 73 Resp: 1156044
Ion Ratio Lower Upper
73 100
87 24.9 18.6 28.0
71 11.3 9.3 13.9



#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026215.D
Acq: 20 Aug 2018 17:58

Tgt Ion: 95 Resp: 9126
Ion Ratio Lower Upper
95 100
174 87.5 65.6 98.4
176 86.7 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: VU026215.D

Acq: 20 Aug 2018 17:58

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

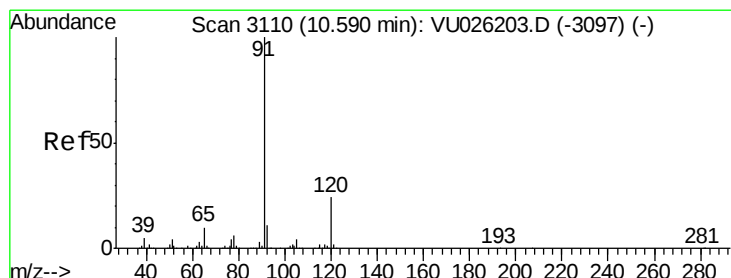
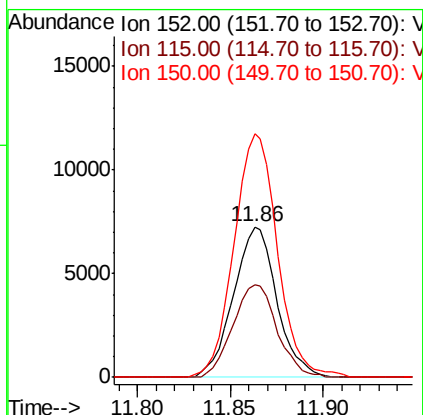
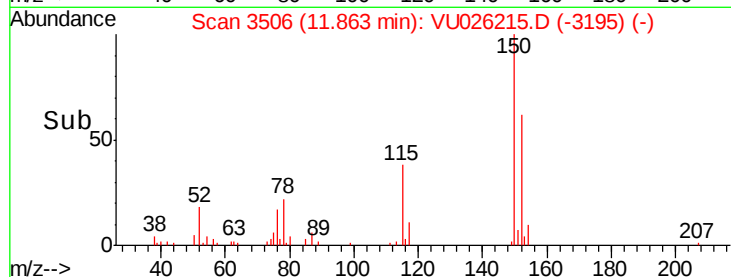
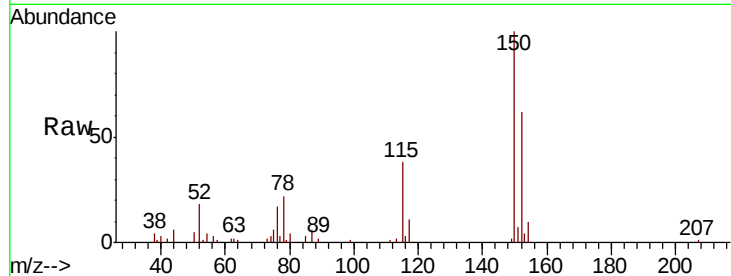
Tot Ion:152 Resp: 11749

Ion Ratio Lower Upper

152 100

115 62.6 0.0 118.8

150 162.2 0.0 0.0#



#73

n-propylbenzene

Concen: 7.01 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026215.D

Acq: 20 Aug 2018 17:58

Tgt Ion:120 Resp: 87255

Ion Ratio Lower Upper

120 100

91 435.3 352.2 528.4

