

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012320\
 Data File : VU036540.D
 Acq On : 23 Jan 2020 15:40
 Operator : JC/MD
 Sample : L1134-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

Quant Time: Jan 27 09:32:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

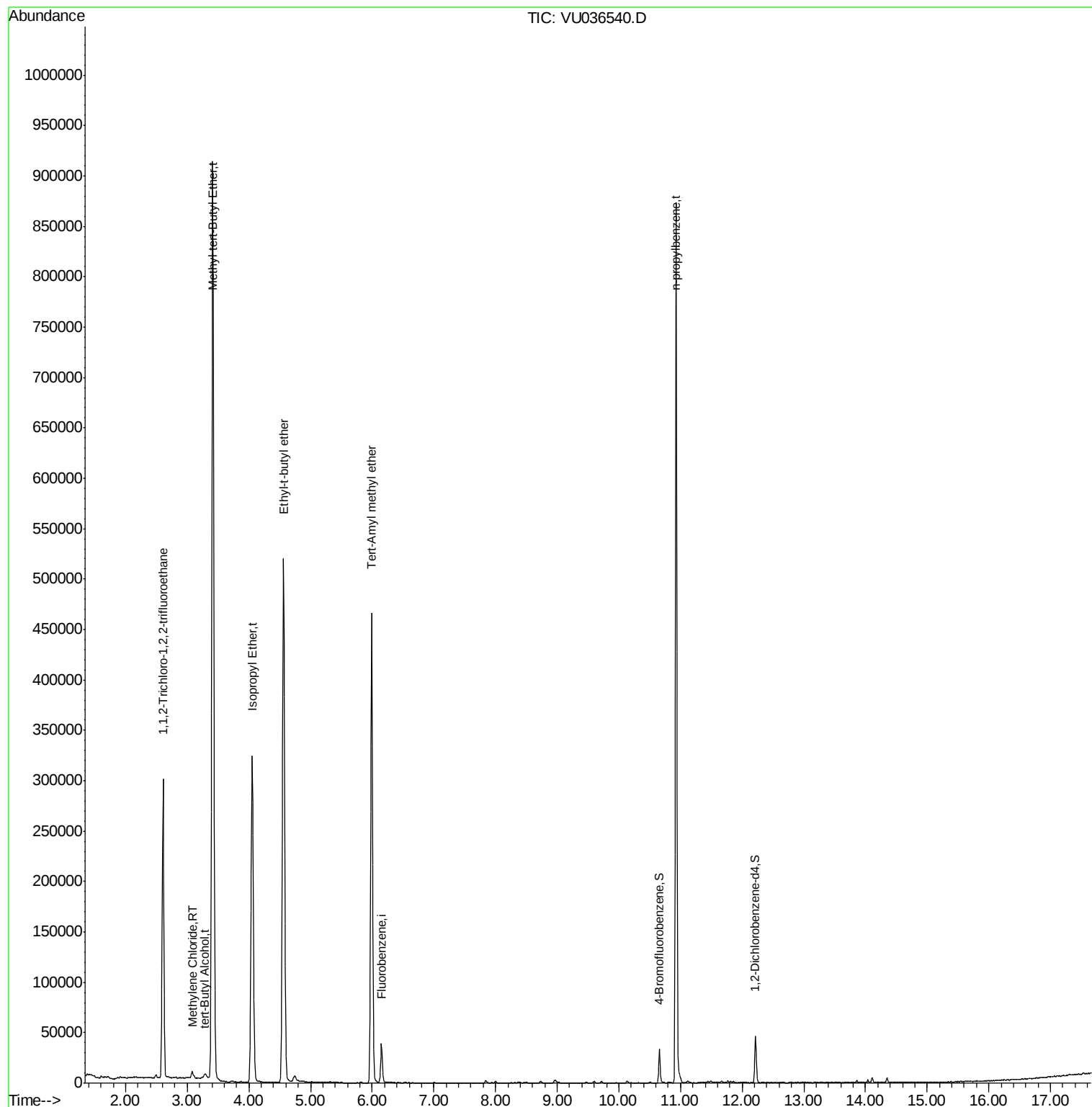
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	36942	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	12935	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13209	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						Ovalue
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	121085	13.267	ug/l	100
15) Methylene Chloride	3.08	84	2981	0.233	ug/l	94
24) tert-Butyl Alcohol	3.29	59	9768	14.565	ug/l #	72
25) Methyl tert-Butyl Ether	3.41	73	1112753	43.712	ug/l	98
31) Isopropyl Ether	4.05	45	350059	13.206	ug/l	99
32) Ethyl-t-butyl ether	4.56	59	552073	19.905	ug/l	100
33) Tert-Amyl methyl ether	5.99	73	411799	16.215	ug/l	100
73) n-propylbenzene	10.93	120	164495	11.936	ug/l	93
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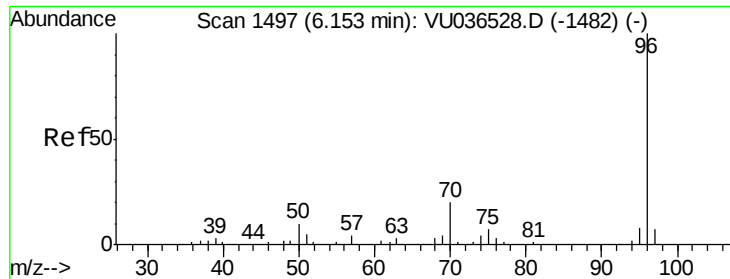
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tot Ion: 96 Resp: 36942

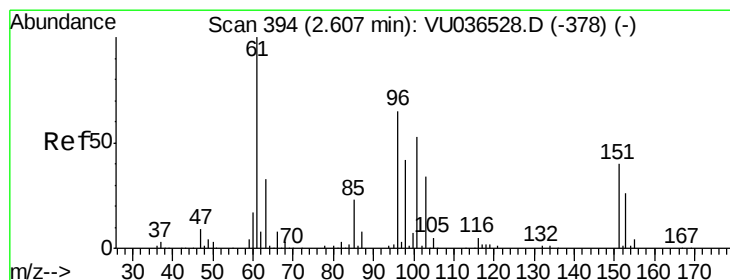
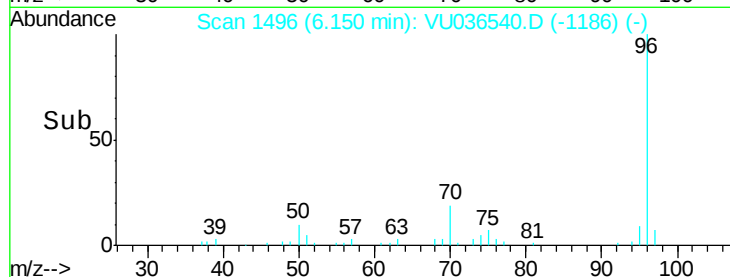
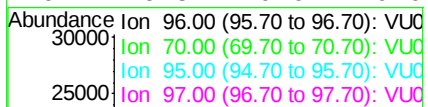
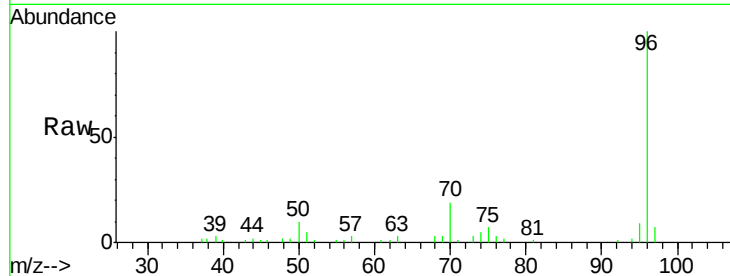
Ion Ratio Lower Upper

96 100

70 19.3 15.6 23.4

95 8.9 7.0 10.6

97 6.5 0.0 0.0#



#8

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

Concen: 13.267 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

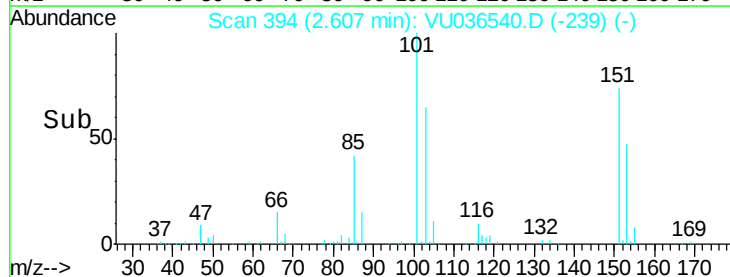
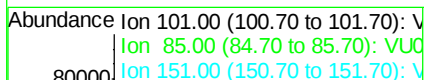
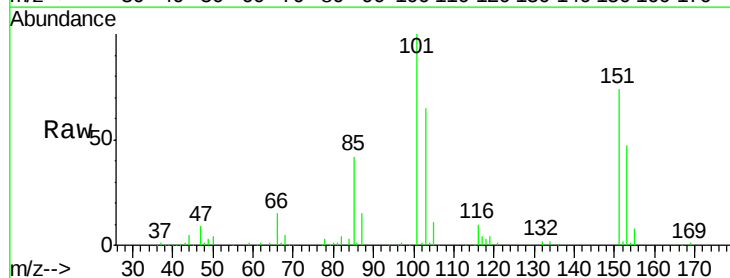
Tgt Ion: 101 Resp: 121085

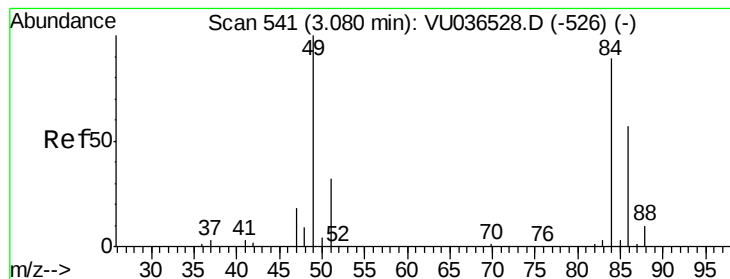
Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

151 74.6 59.8 89.8





#15

Methvlene Chloride

Concen: 0.233 ug/l

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tot Ion: 84 Resp: 2981

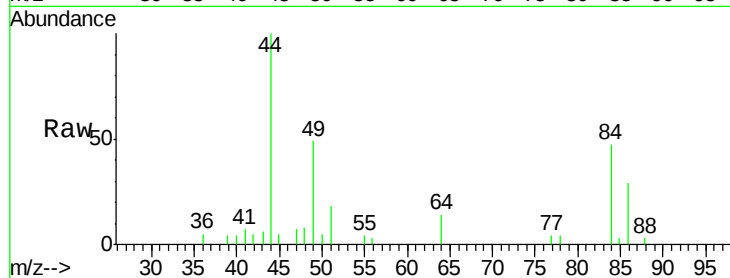
Ion Ratio Lower Upper

84 100

49 104.0 89.7 134.5

51 37.8 0.0 71.6

86 60.7 51.4 77.2

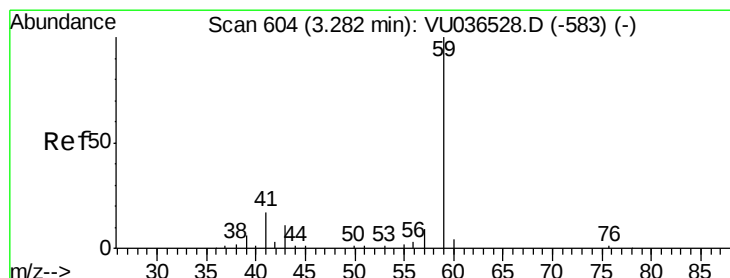
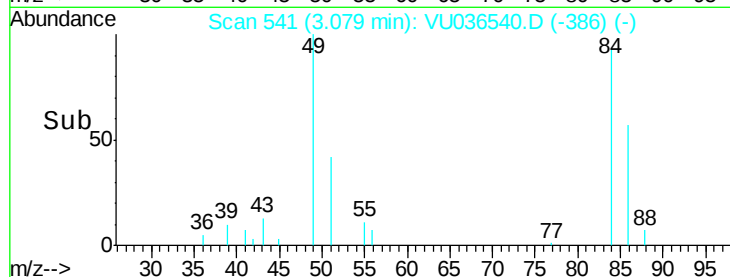
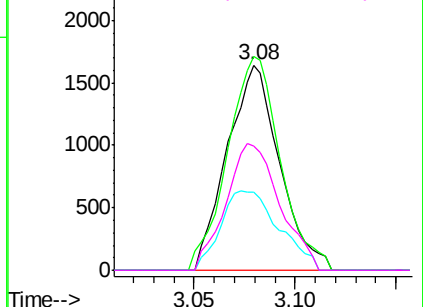


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

tert-Butyl Alcohol

Concen: 14.565 ug/l

RT: 3.29 min Scan# 605

Delta R.T. 0.00 min

Lab File: VU036540.D

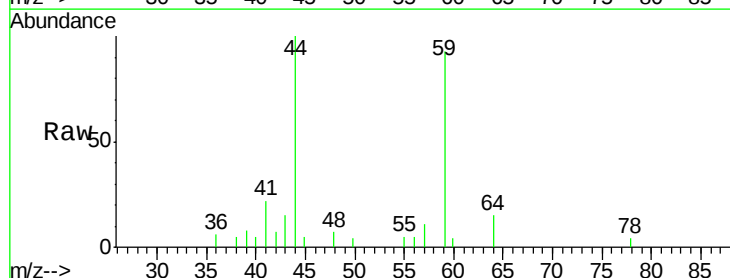
Acq: 23 Jan 2020 15:40

Tgt Ion: 59 Resp: 9768

Ion Ratio Lower Upper

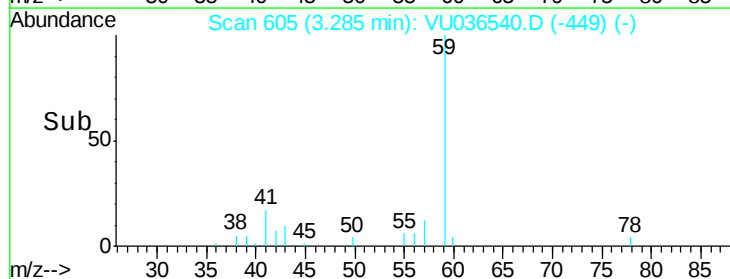
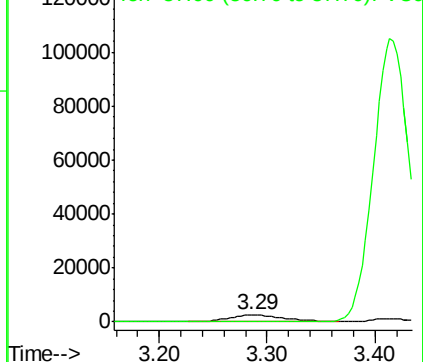
59 100

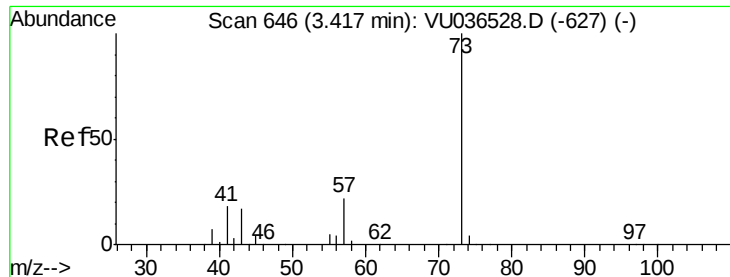
57 0.0 8.4 12.6#



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: 43.712 ug/l
 RT: 3.41 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

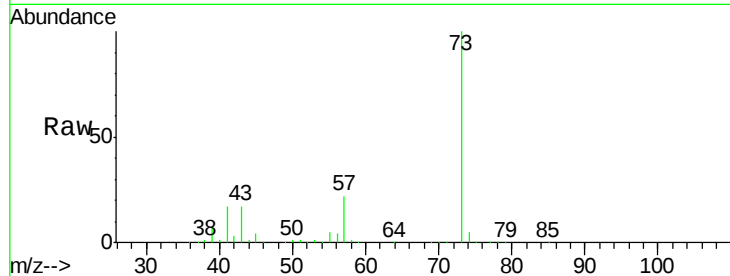
Instrument :
 MSVOA_U
 ClientSampled :
 PT-ADD-WS

Tot Ion: 73 Resp: 1112753

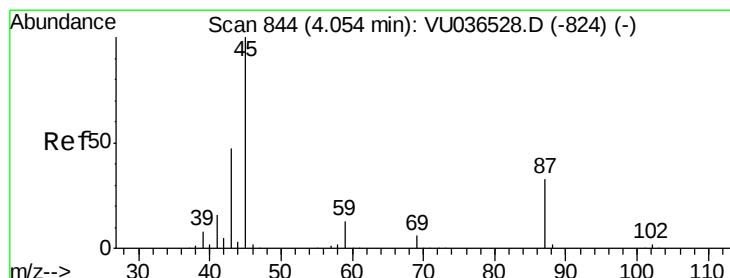
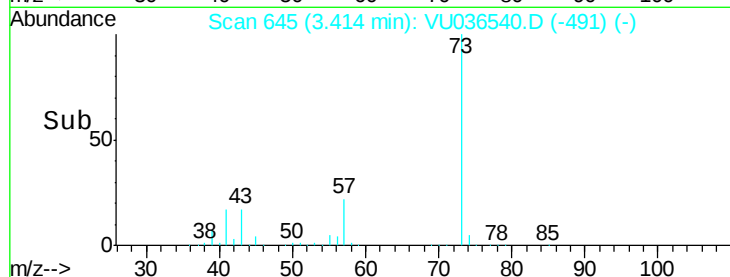
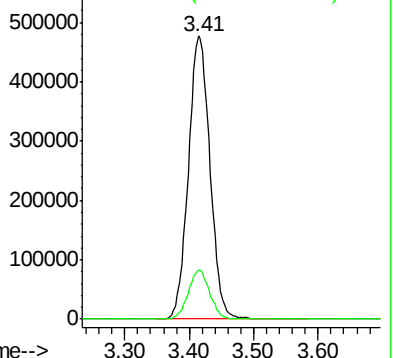
Ion Ratio Lower Upper

73 100

43 17.1 14.5 21.7



Abundance Ion 73.00 (72.70 to 73.70): VU036528.D (-627) (-)
 Ion 43.00 (42.70 to 43.70): VU036528.D (-627) (-)



#31

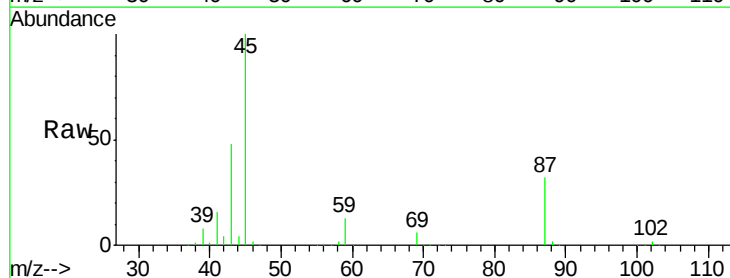
Isopropyl Ether
 Concen: 13.206 ug/l
 RT: 4.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

Tgt Ion: 45 Resp: 350059

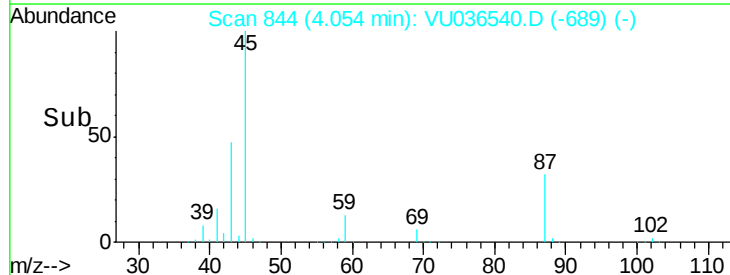
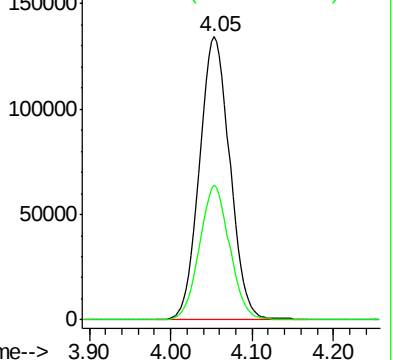
Ion Ratio Lower Upper

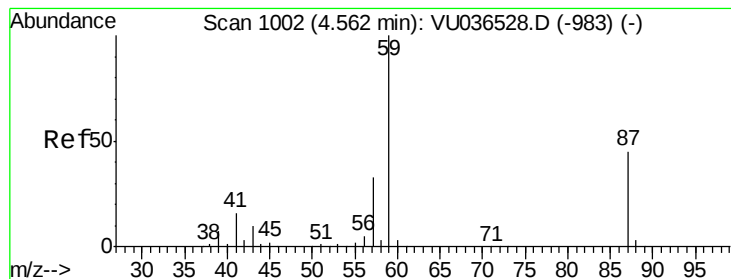
45 100

43 47.4 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU036528.D (-824) (-)
 Ion 43.00 (42.70 to 43.70): VU036528.D (-824) (-)





#32

Ethyl t-butyl ether

Concen: 19.905 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

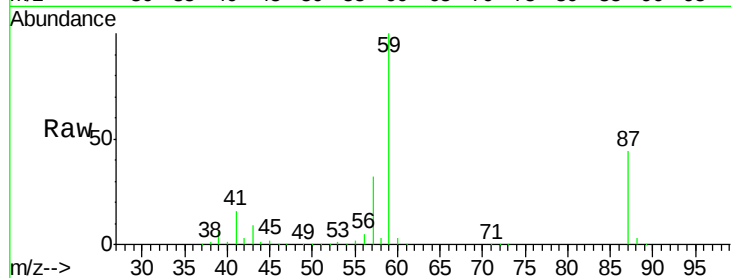
PT-ADD-WS

Tot Ion: 59 Resp: 552073

Ion Ratio Lower Upper

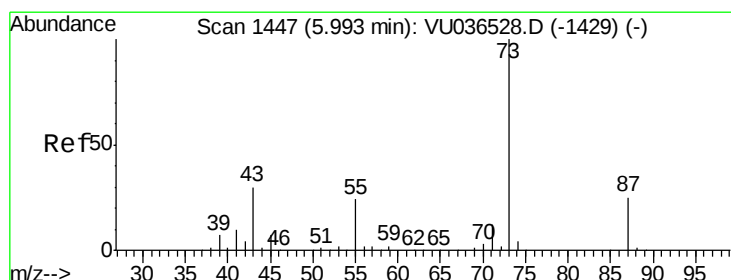
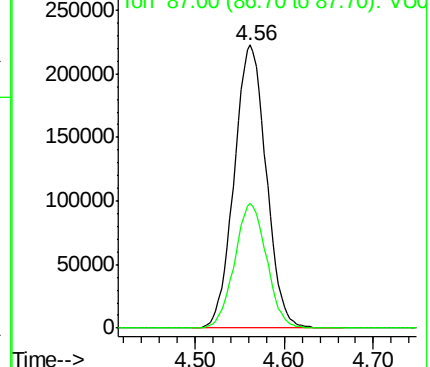
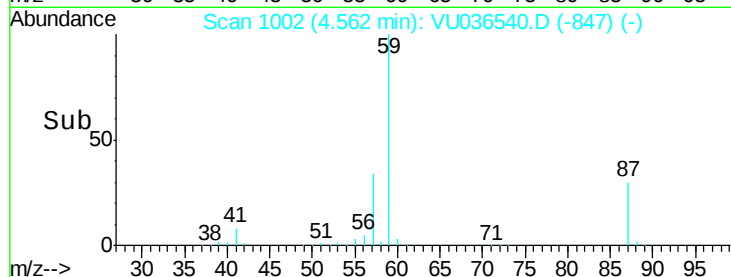
59 100

87 43.9 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU036540.D (-847) (-)

Ion 87.00 (86.70 to 87.70): VU036540.D (-847) (-)



#33

Tert-Amyl methyl ether

Concen: 16.215 ug/l

RT: 5.99 min Scan# 1447

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

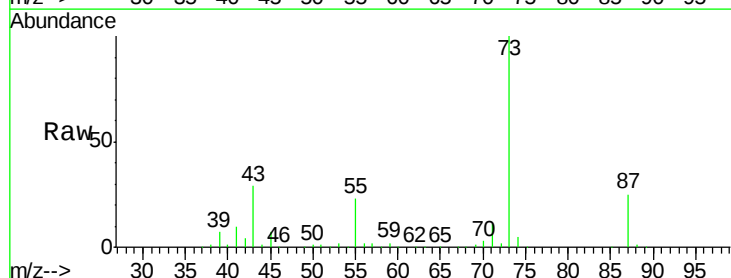
Tgt Ion: 73 Resp: 411799

Ion Ratio Lower Upper

73 100

87 24.8 19.8 29.6

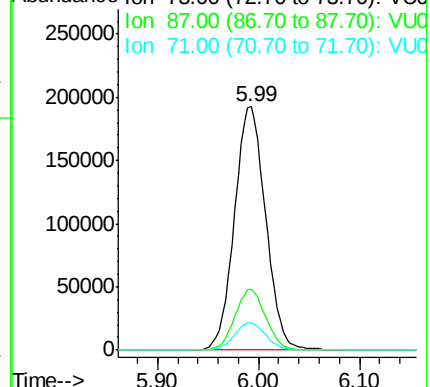
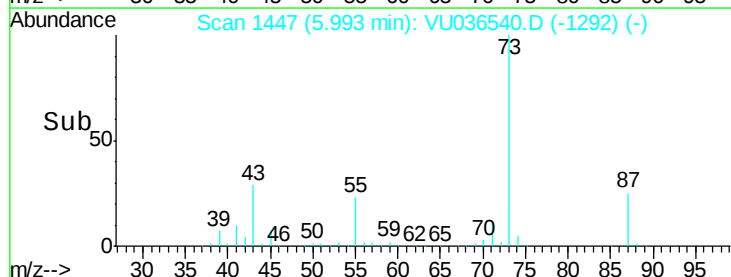
71 11.3 9.1 13.7

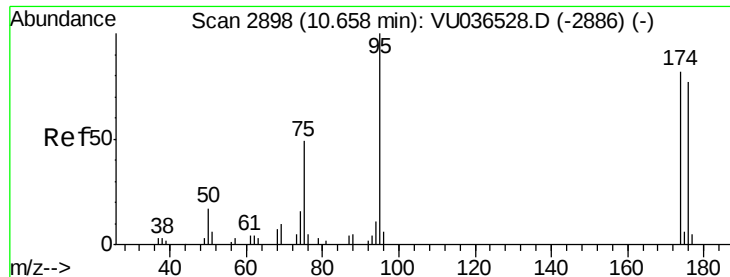


Abundance Ion 73.00 (72.70 to 73.70): VU036540.D (-1292) (-)

Ion 87.00 (86.70 to 87.70): VU036540.D (-1292) (-)

Ion 71.00 (70.70 to 71.70): VU036540.D (-1292) (-)

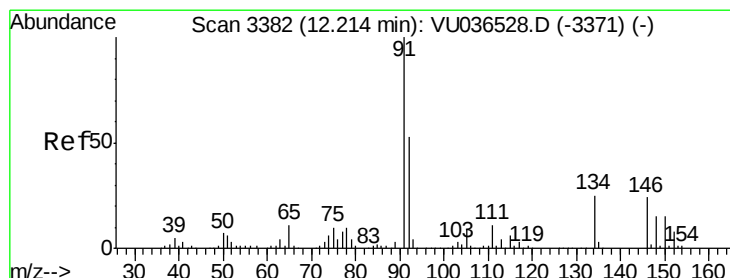
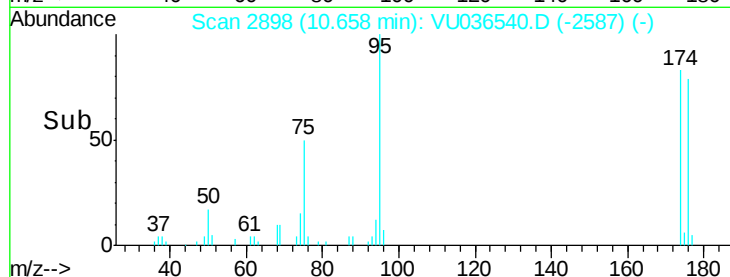
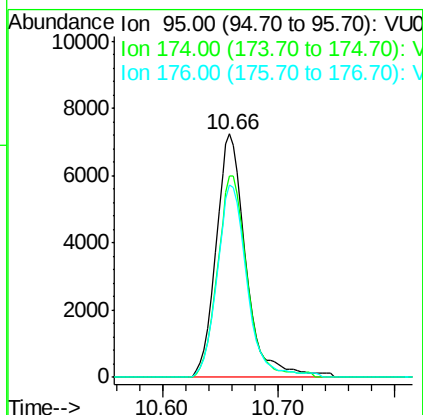
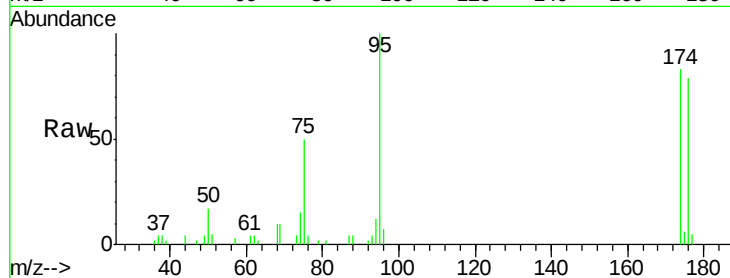




#57
 4-Bromofluorobenzene
 Concen: 0.927 ug/l
 RT: 10.66 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

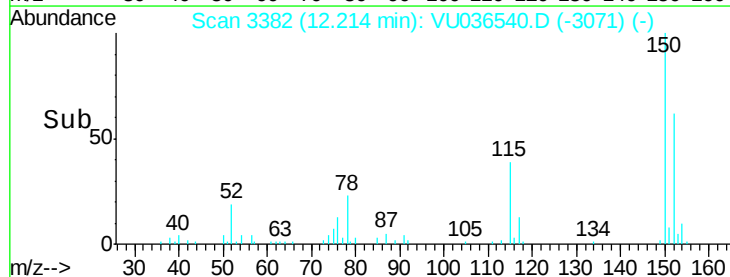
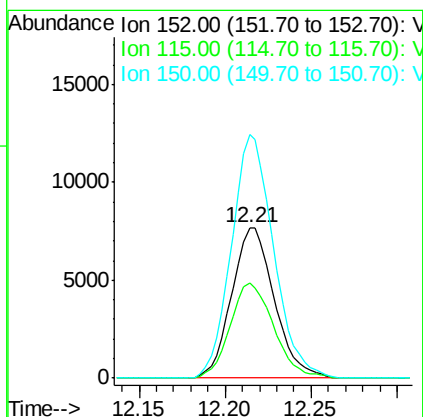
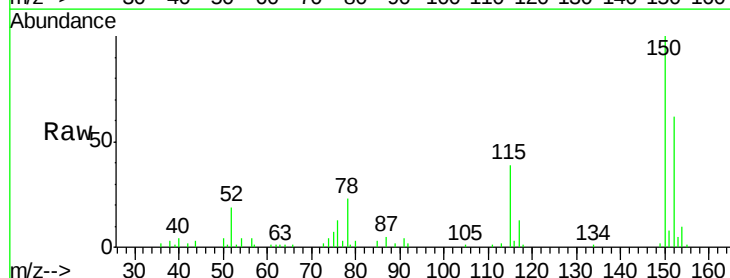
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

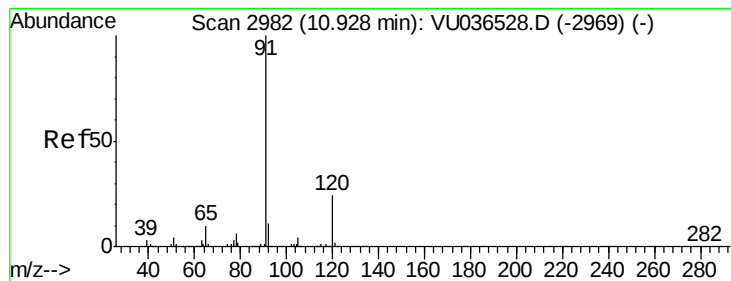
Tot Ion: 95 Resp: 12935
 Ion Ratio Lower Upper
 95 100
 174 82.2 64.7 97.1
 176 78.7 60.6 91.0



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.925 ug/l
 RT: 12.21 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

Tgt Ion: 152 Resp: 13209
 Ion Ratio Lower Upper
 152 100
 115 64.6 0.0 241.8
 150 160.3 0.0 652.4





#73

n-propylbenzene

Concen: 11.936 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tot Ion:120 Resp: 164495

Ion Ratio Lower Upper

120 100

91 428.9 329.5 494.3

