

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012320\
 Data File : VU036542.D
 Acq On : 23 Jan 2020 16:35
 Operator : JC/MD
 Sample : L1134-10DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 00:53:04 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

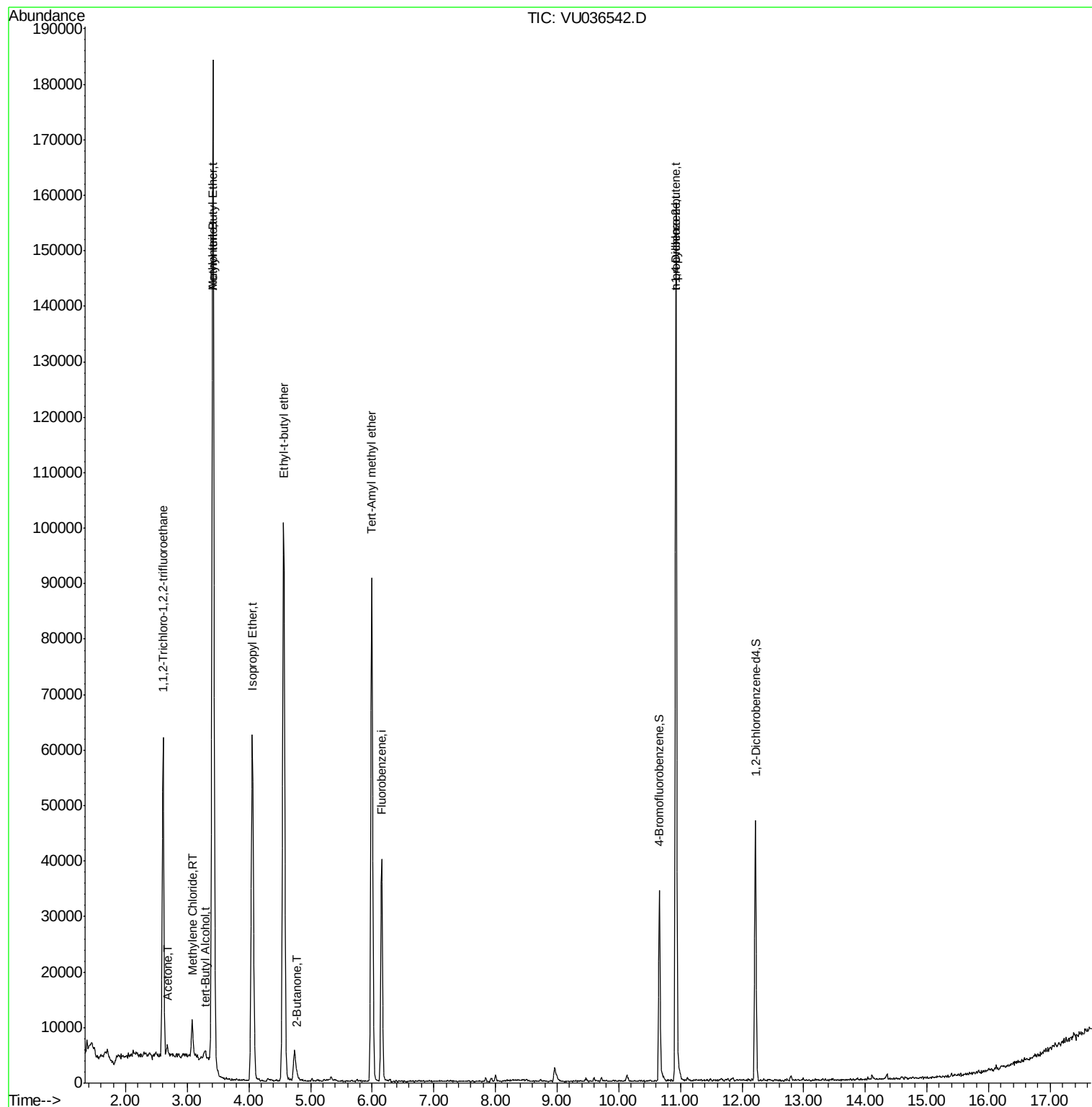
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	39028	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	13377	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	14132	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	23628	2.451	ug/l	99
12) Acrylonitrile	3.42	53	2094	0.832	ug/l #	29
13) Acetone	2.68	43	2783	0.252	ug/l	97
15) Methylene Chloride	3.08	84	3247	0.240	ug/l	96
18) 2-Butanone	4.78	43	560	0.207	ug/l	75
24) tert-Butyl Alcohol	3.29	59	2387	3.369	ug/l #	72
25) Methyl tert-Butyl Ether	3.42	73	219194	8.150	ug/l	98
31) Isopropyl Ether	4.06	45	67454	2.409	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	106006	3.618	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	78877	2.940	ug/l	100
46) t-1,4-Dichloro-2-butene	10.92	75	688	0.244	ug/l #	1
73) n-propylbenzene	10.93	120	30769	2.113	ug/l	94
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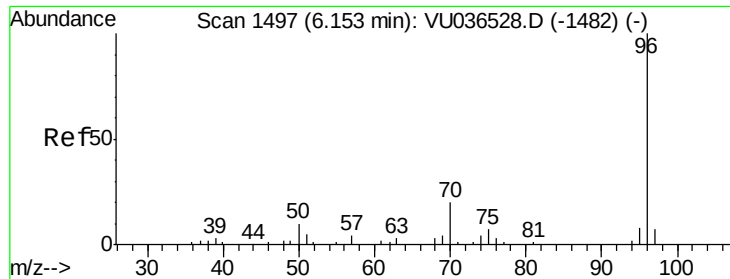
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036542.D

Acq: 23 Jan 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 39028

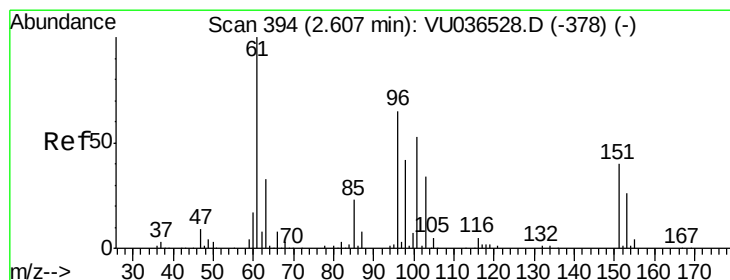
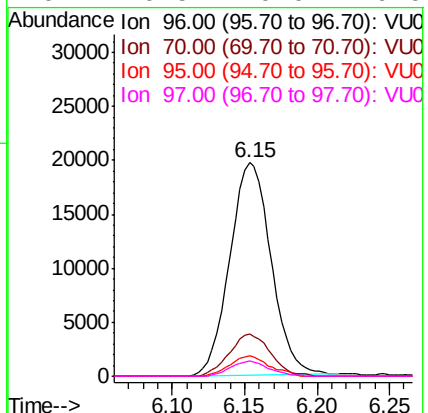
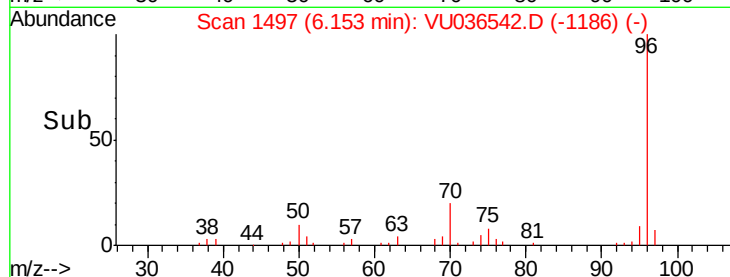
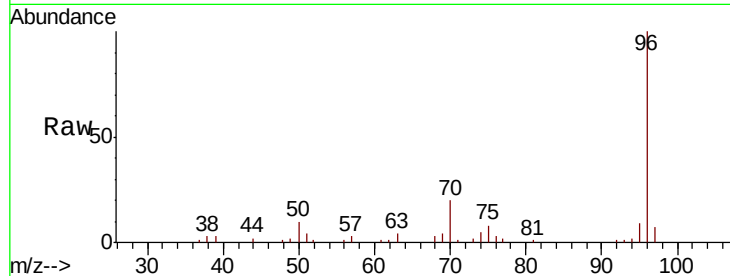
Ion Ratio Lower Upper

96 100

70 19.8 15.6 23.4

95 9.2 7.0 10.6

97 6.5 0.0 0.0#



#8

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

Concen: 2.451 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036542.D

Acq: 23 Jan 2020 16:35

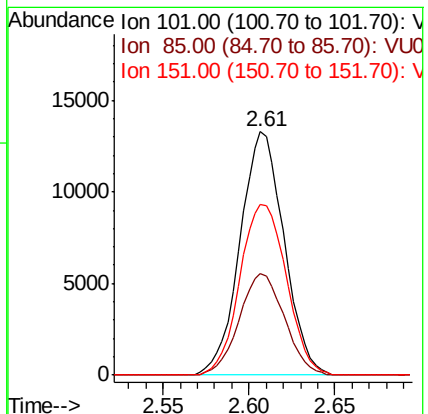
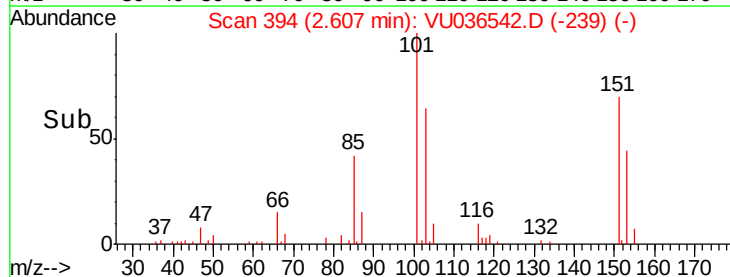
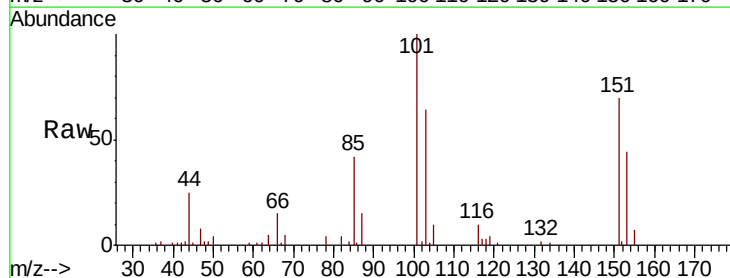
Tgt Ion: 101 Resp: 23628

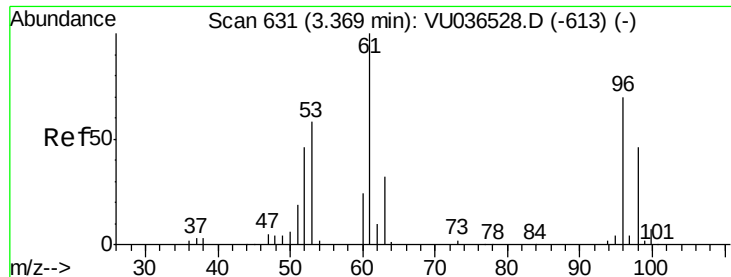
Ion Ratio Lower Upper

101 100

85 42.8 33.9 50.9

151 74.2 59.8 89.8





#12

Acrylonitrile

Concen: 0.832 ug/l

RT: 3.42 min Scan# 648

Delta R.T. 0.05 min

Lab File: VU036542.D

Acq: 23 Jan 2020 16:35

Instrument :
MSVOA_U
ClientSampled :

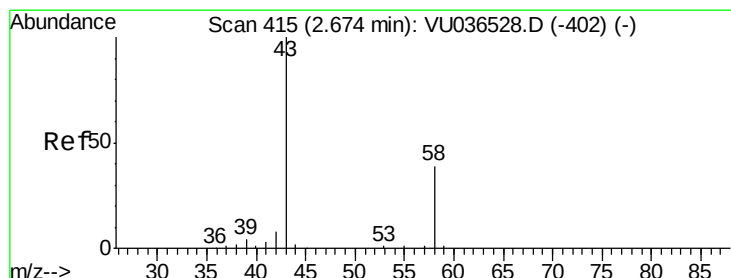
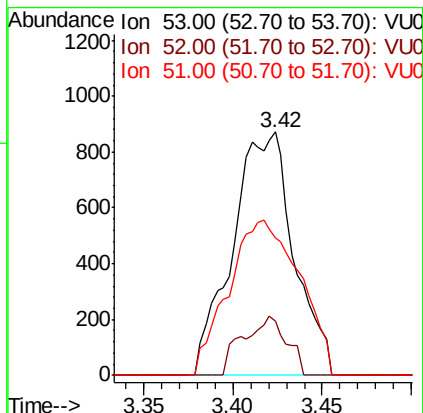
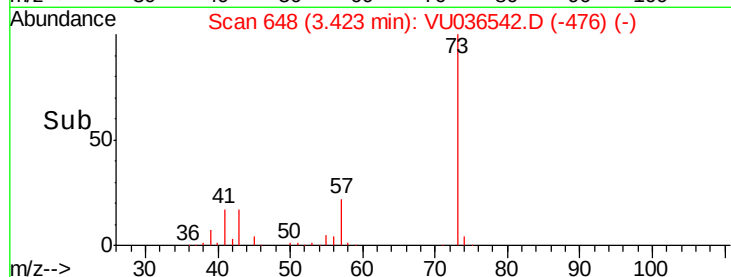
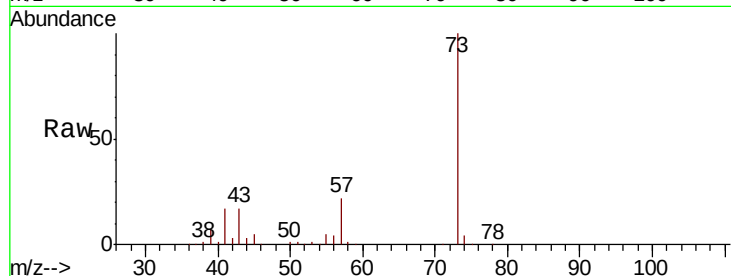
Tot Ion: 53 Resp: 2094

Ion Ratio Lower Upper

53 100

52 17.3 64.6 97.0#

51 73.8 27.2 40.8#



#13

Acetone

Concen: 0.252 ug/l

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU036542.D

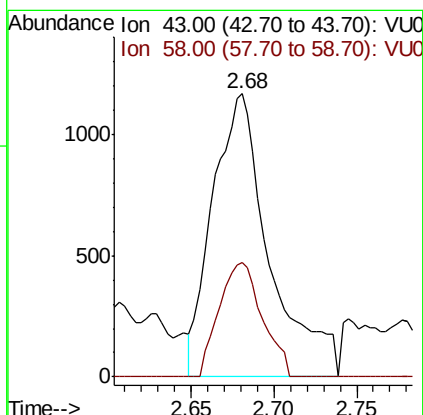
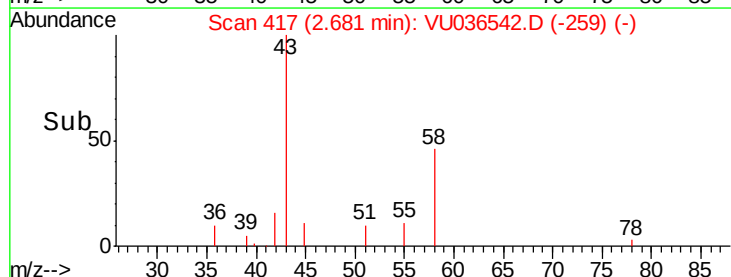
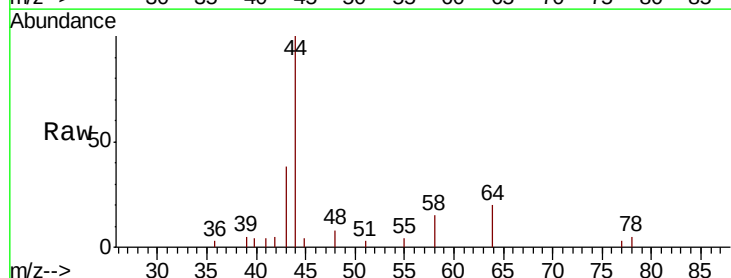
Acq: 23 Jan 2020 16:35

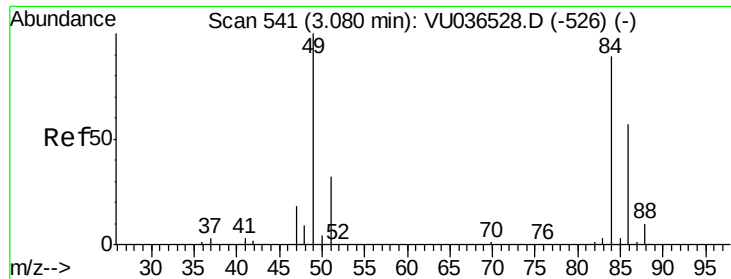
Tgt Ion: 43 Resp: 2783

Ion Ratio Lower Upper

43 100

58 40.4 30.8 46.2

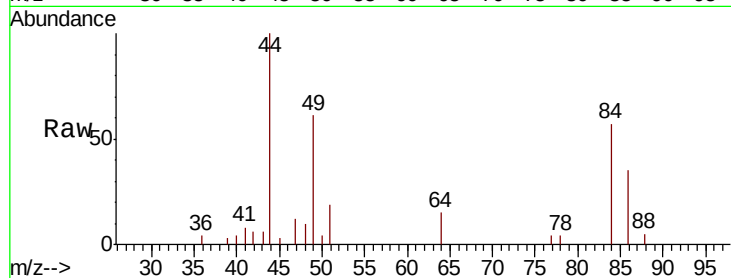




#15
Methylene Chloride
Concen: 0.240 ug/l
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036542.D
Acq: 23 Jan 2020 16:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	84	Resp:	3247
Ion	Ratio	Lower	Upper
84	100		
49	106.7	89.7	134.5
51	33.6	0.0	71.6
86	62.1	51.4	77.2



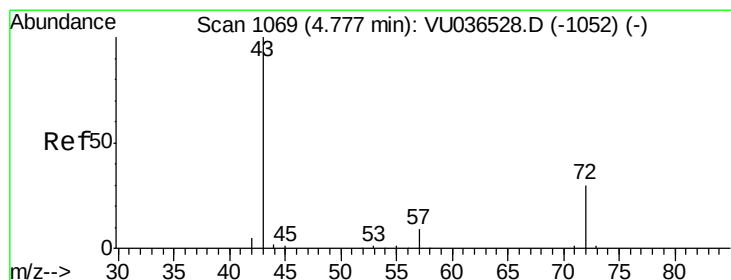
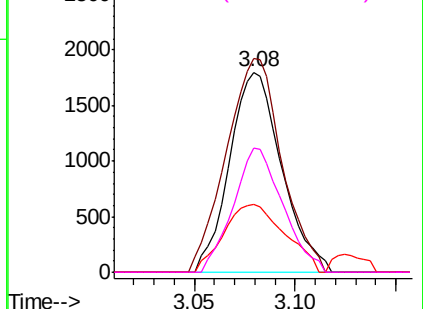
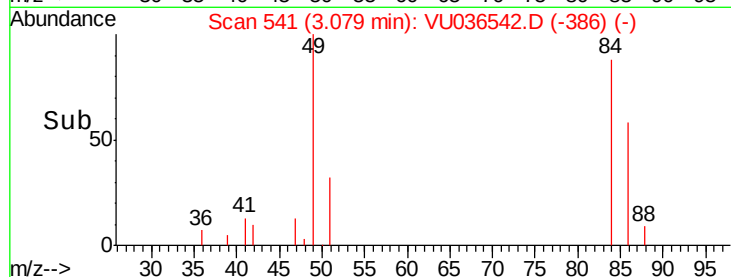
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

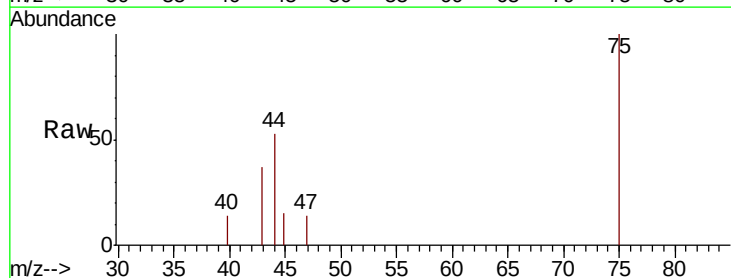
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#18
2-Butanone
Concen: 0.207 ug/l
RT: 4.78 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VU036542.D
Acq: 23 Jan 2020 16:35

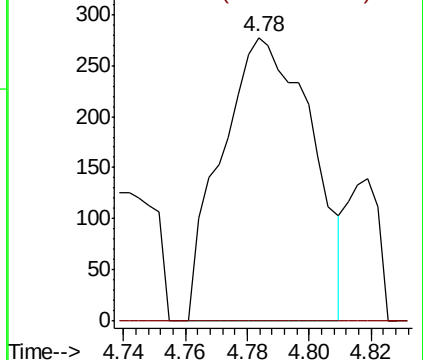
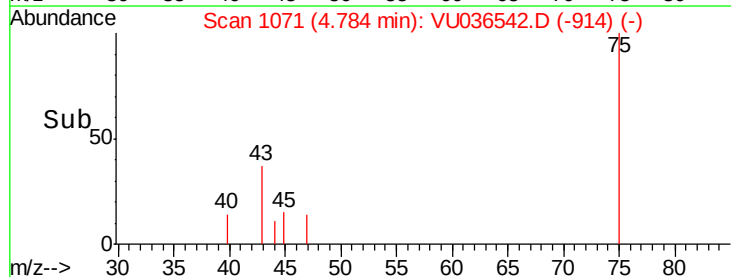
Tgt Ion:	43	Resp:	560
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	17.8

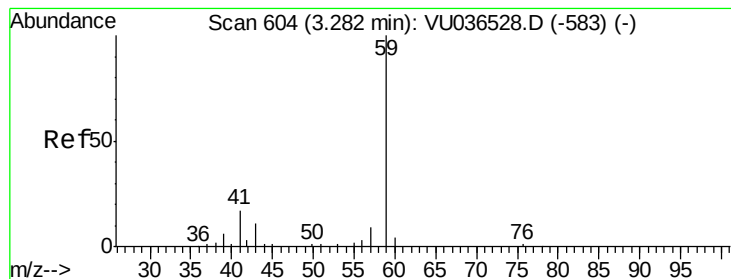


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



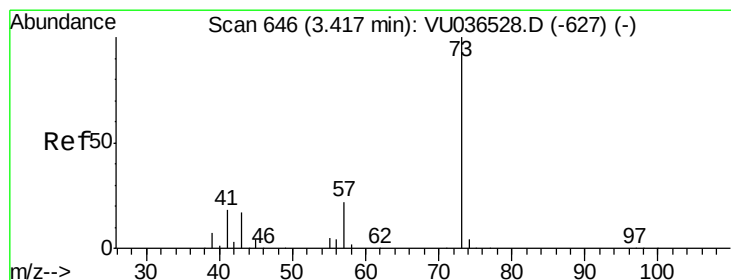
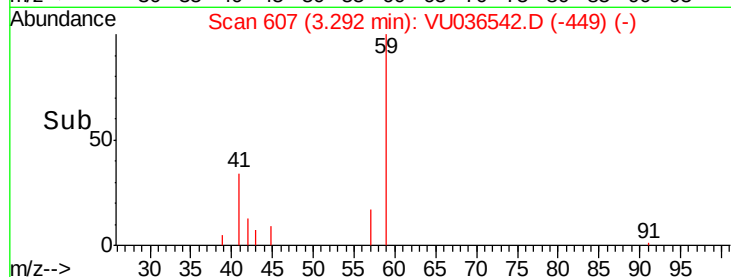
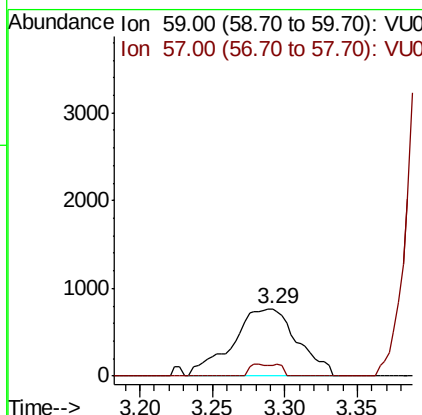
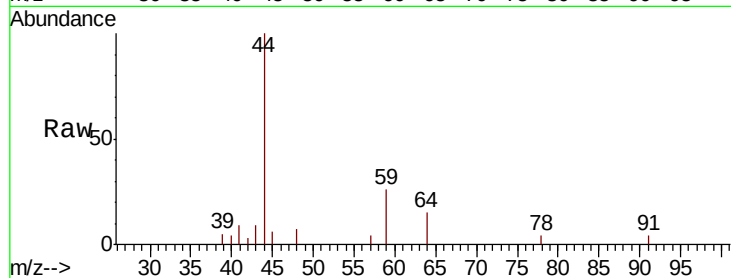


#24

tert-Butyl Alcohol
 Concen: 3.369 ug/l
 RT: 3.29 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VU036542.D
 Acq: 23 Jan 2020 16:35

Instrument :
 MSVOA_U
 ClientSampled :

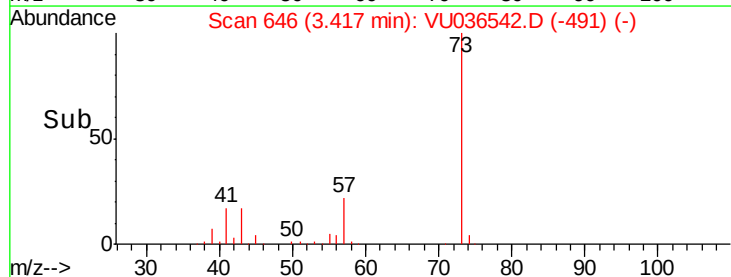
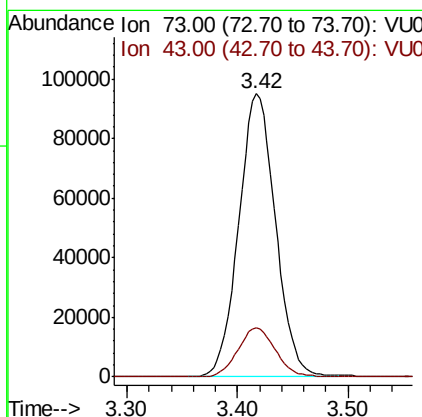
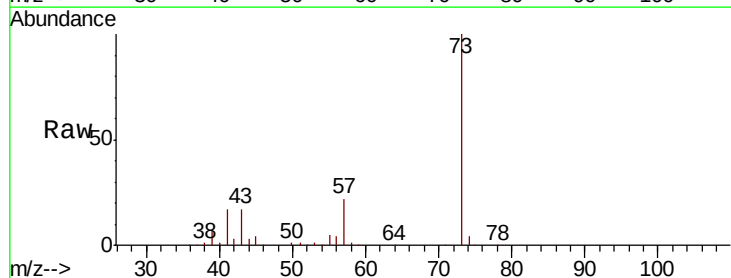
Tot Ion: 59 Resp: 2387
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

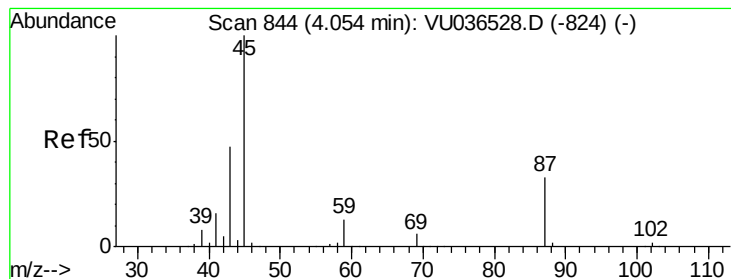


#25

Methyl tert-Butyl Ether
 Concen: 8.150 ug/l
 RT: 3.42 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VU036542.D
 Acq: 23 Jan 2020 16:35

Tgt Ion: 73 Resp: 219194
 Ion Ratio Lower Upper
 73 100
 43 17.3 14.5 21.7





#31

Isopropyl Ether

Concen: 2.409 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036542.D

Acq: 23 Jan 2020 16:35

Instrument :

MSVOA_U

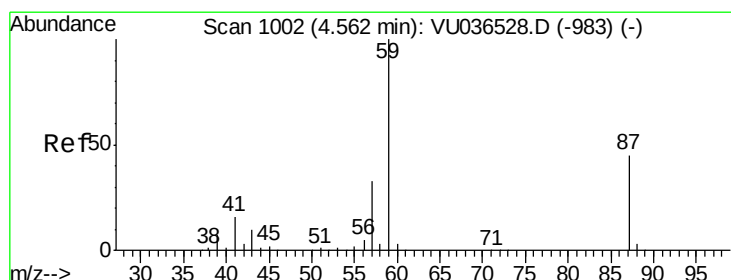
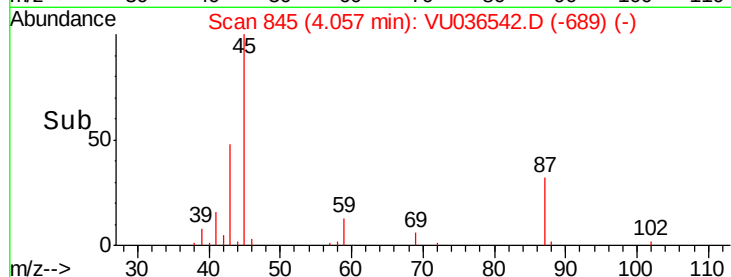
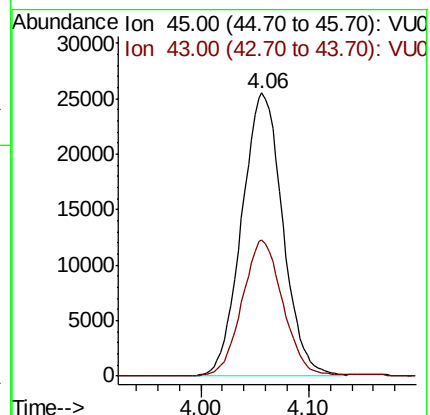
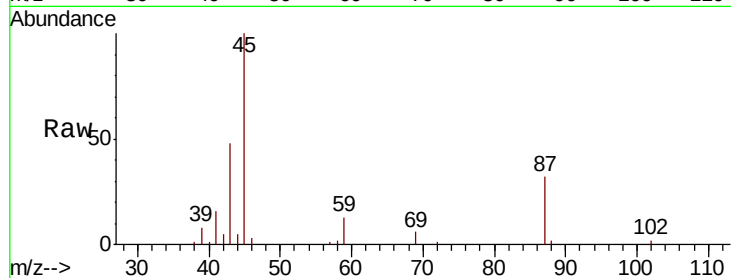
ClientSampled :

Tot Ion: 45 Resp: 67454

Ion Ratio Lower Upper

45 100

43 47.9 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 3.618 ug/l

RT: 4.56 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036542.D

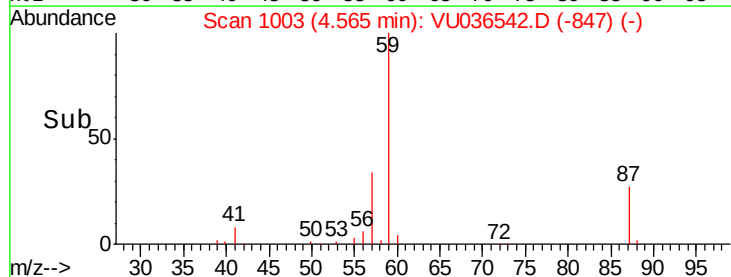
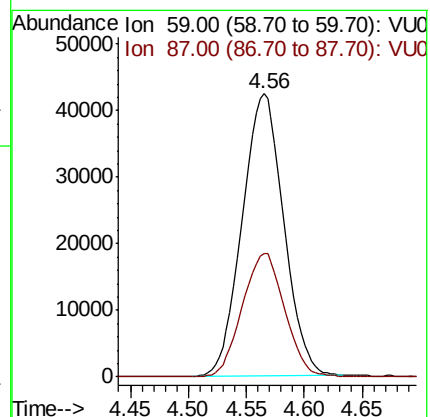
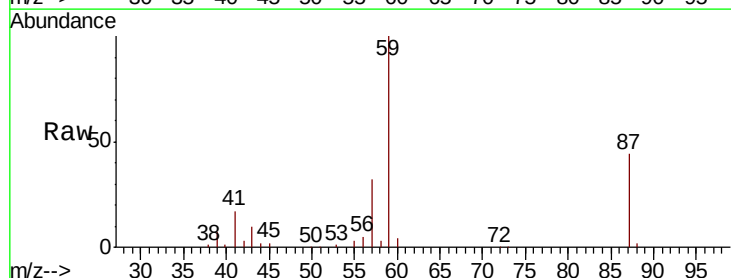
Acq: 23 Jan 2020 16:35

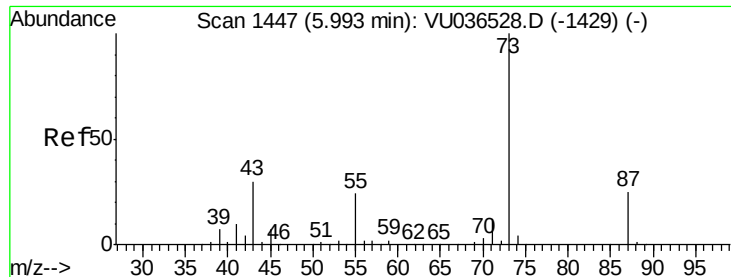
Tgt Ion: 59 Resp: 106006

Ion Ratio Lower Upper

59 100

87 44.6 35.1 52.7



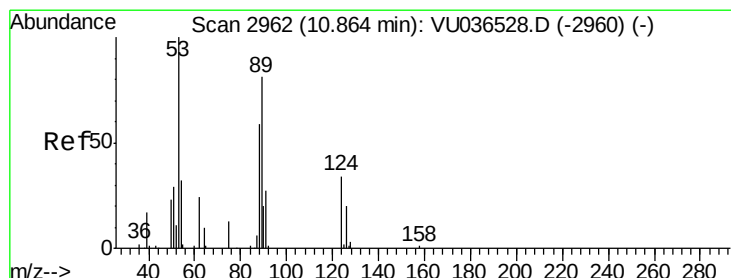
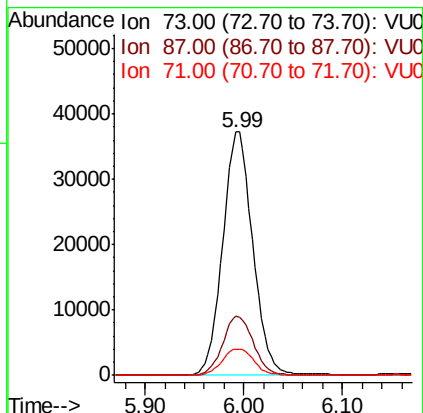
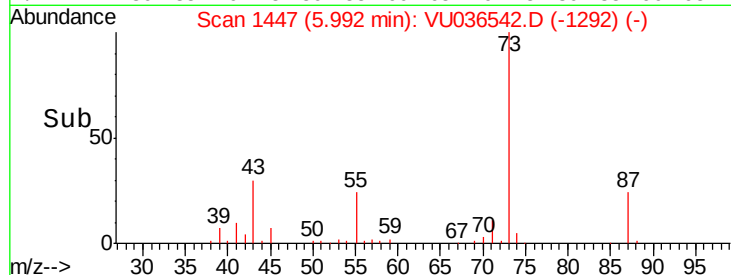
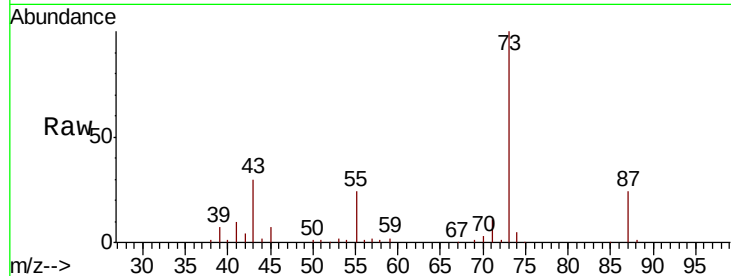


#33

Tert-Amvl methyl ether
Concen: 2.940 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036542.D
Acq: 23 Jan 2020 16:35

Instrument :
MSVOA_U
ClientSampled :

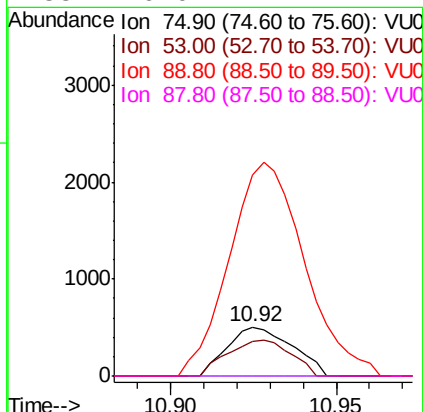
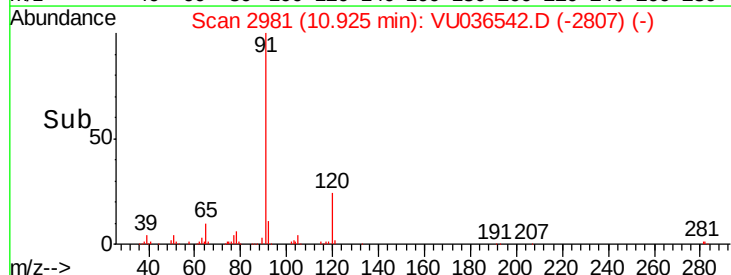
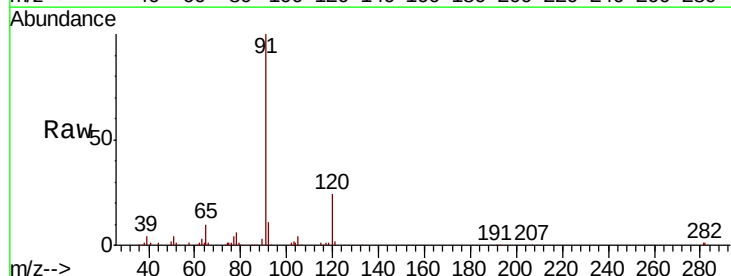
Tot Ion: 73 Resp: 78877
Ion Ratio Lower Upper
73 100
87 24.6 19.8 29.6
71 11.4 9.1 13.7

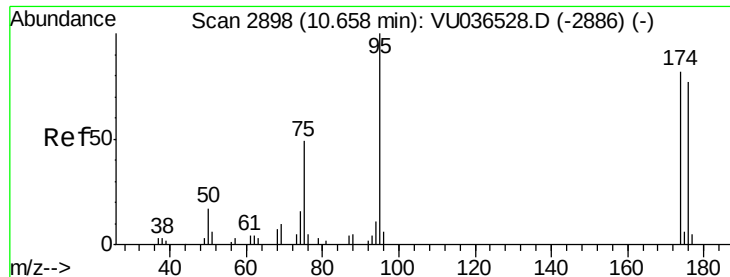


#46

t-1,4-Dichloro-2-butene
Concen: 0.244 ug/l
RT: 10.92 min Scan# 2981
Delta R.T. 0.06 min
Lab File: VU036542.D
Acq: 23 Jan 2020 16:35

Tgt Ion: 75 Resp: 688
Ion Ratio Lower Upper
75 100
53 72.1 52.2 78.2
89 505.5 39.8 59.6#
88 0.0 27.4 41.2#

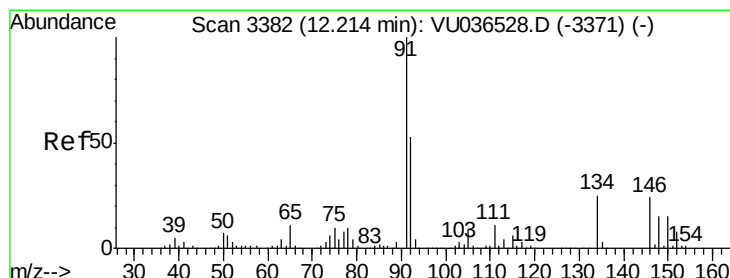
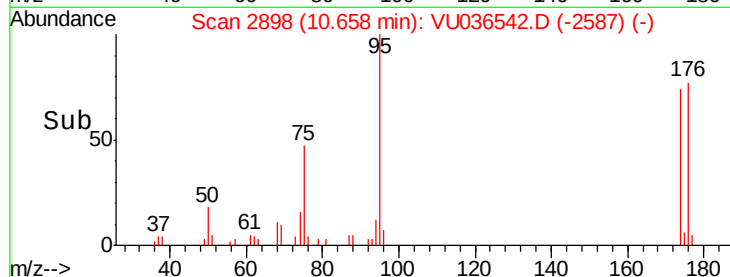
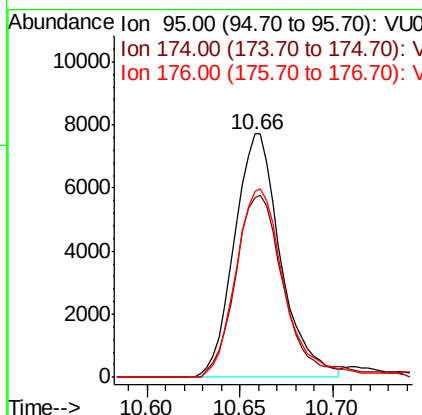
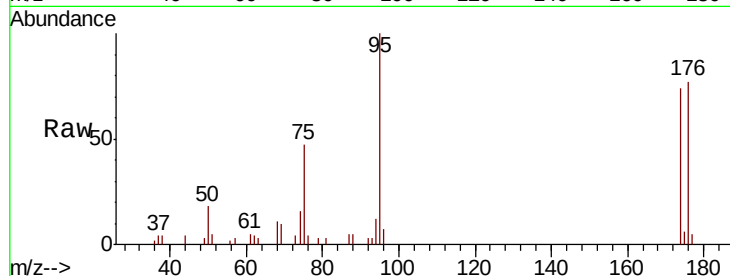




#57
 4-Bromofluorobenzene
 Concen: 0.908 ug/l
 RT: 10.66 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU036542.D
 Acq: 23 Jan 2020 16:35

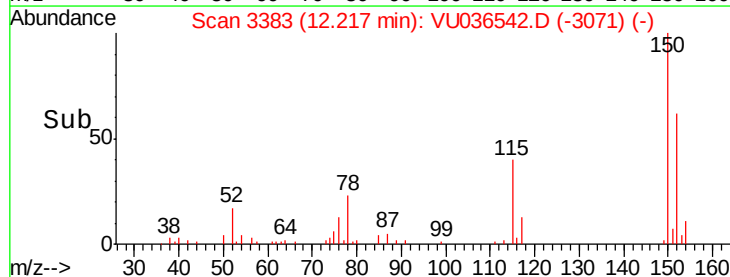
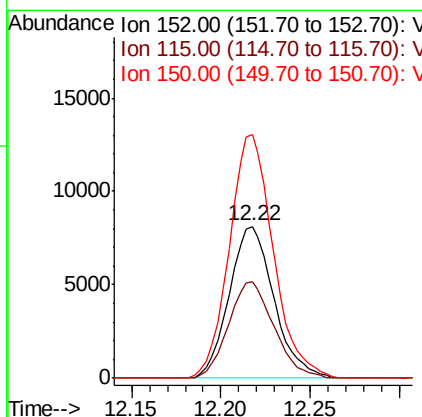
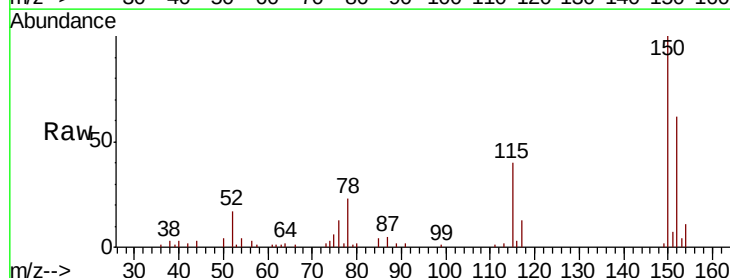
Instrument :
 MSVOA_U
 ClientSampled :

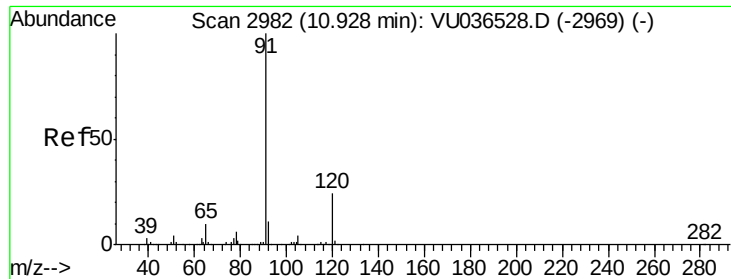
Tot Ion	95	Resp	13377
Ion Ratio	Lower	Upper	
95	100		
174	80.3	64.7	97.1
176	80.9	60.6	91.0



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.937 ug/l
 RT: 12.22 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VU036542.D
 Acq: 23 Jan 2020 16:35

Tgt Ion	152	Resp	14132
Ion Ratio	Lower	Upper	
152	100		
115	64.4	0.0	241.8
150	157.7	0.0	652.4





#73
 n-propylbenzene
 Concen: 2.113 ug/l
 RT: 10.93 min Scan# 2982
 Delta R.T. -0.00 min
 Lab File: VU036542.D
 Acq: 23 Jan 2020 16:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:120 Resp: 30769
 Ion Ratio Lower Upper
 120 100
 91 426.0 329.5 494.3

