

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 :

Quant Time: Jan 24 00:52:45 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

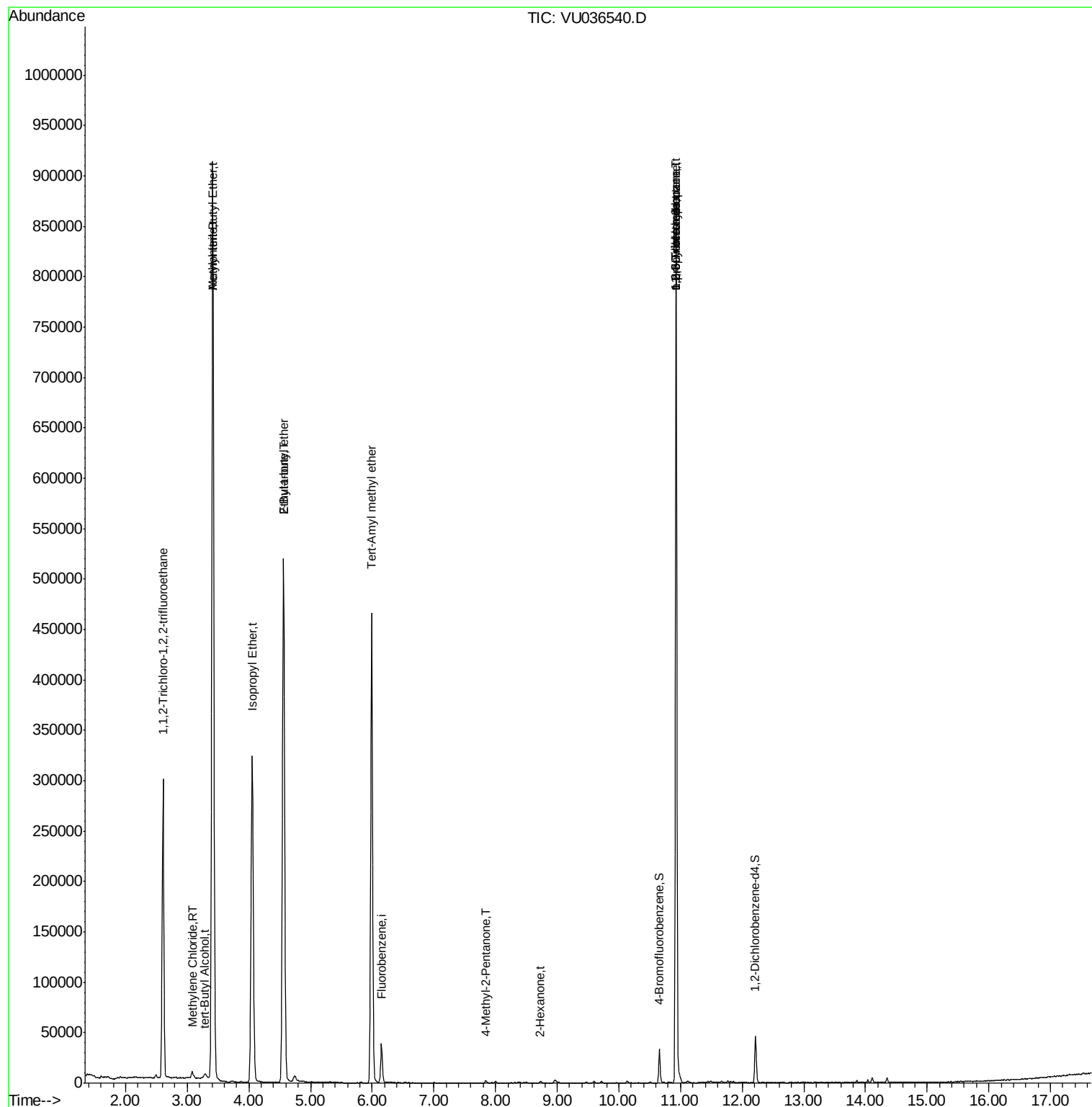
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	36942	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	12935	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	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
12) Acrylonitrile	3.41	53	9700	4.071	ug/l #	32
15) Methylene Chloride	3.08	84	2981	0.233	ug/l	94
18) 2-Butanone	4.56	43	52608	20.565	ug/l #	1
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
45) 4-Methyl-2-Pentanone	7.84	43	1466	0.242	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.93	75	3940	1.478	ug/l #	1
54) 2-Hexanone	8.73	43	1142	0.269	ug/l	84
71) 1,2,3-Trichloropropane	10.93	75	3940	0.574	ug/l #	1
73) n-propylbenzene	10.93	120	164495	11.936	ug/l	93
75) 1,3,5-Trimethylbenzene	10.93	105	25931	0.616	ug/l #	1
-----	-----	-----	-----	-----	-----	-----

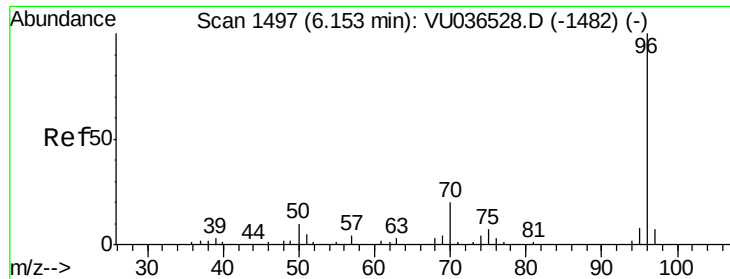
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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 :

Quant Time: Jan 24 00:52:45 2020
Quant Method : Z:\V0ASRV\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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

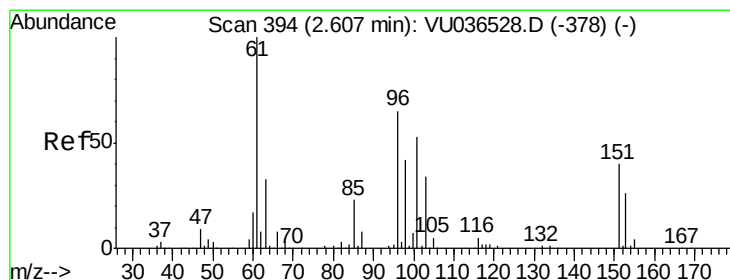
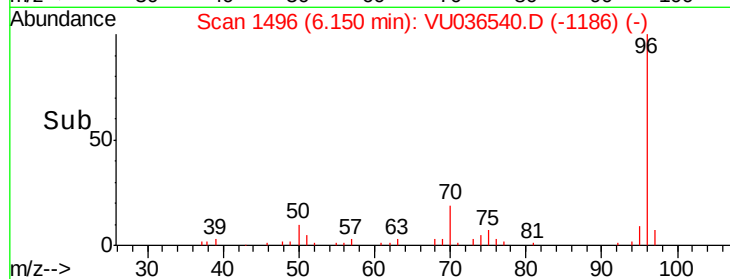
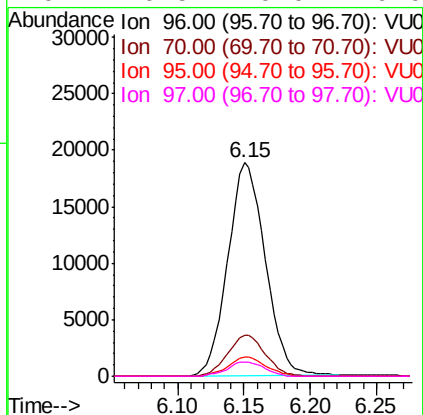
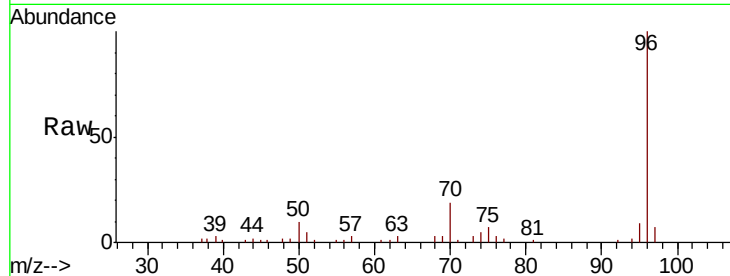
Delta R.T. -0.00 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :
MSVOA_U
ClientSampleId :

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

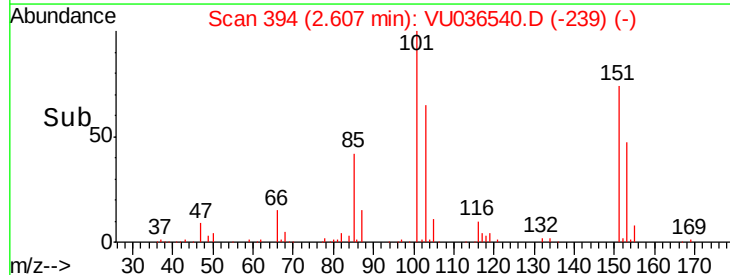
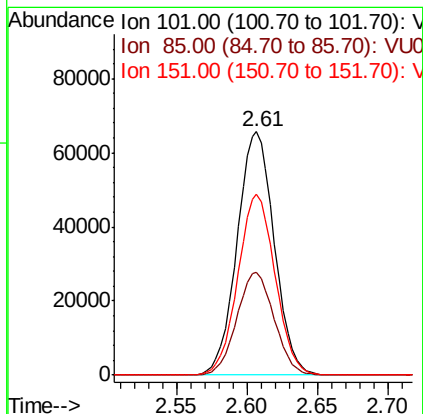
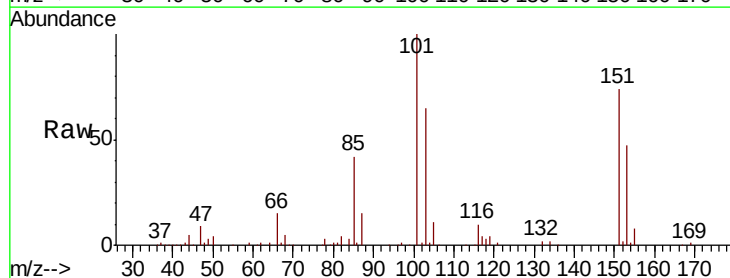
RT: 2.61 min Scan# 394

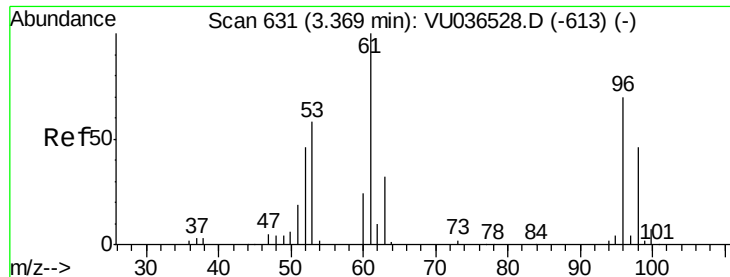
Delta R.T. -0.00 min

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





#12

Acrylonitrile

Concen: 4.071 ug/l

RT: 3.41 min Scan# 644

Delta R.T. 0.04 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

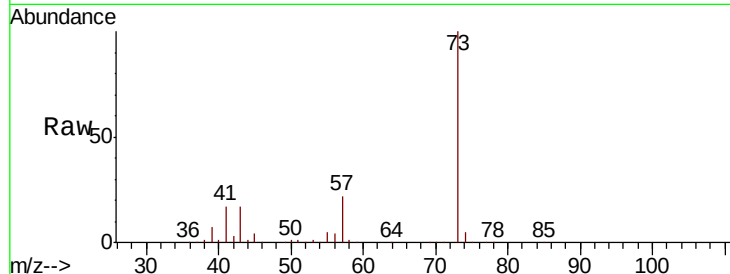
Tot Ion: 53 Resp: 9700

Ion Ratio Lower Upper

53 100

52 19.0 64.6 97.0#

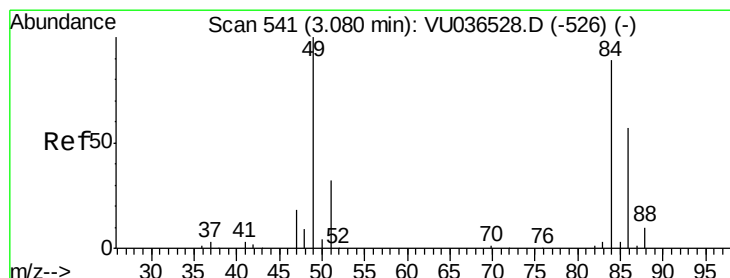
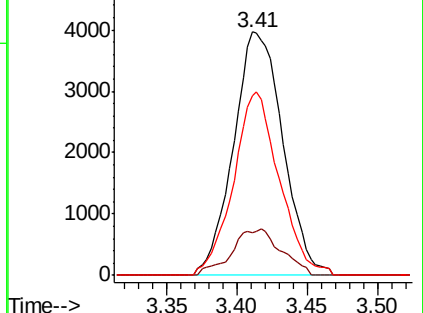
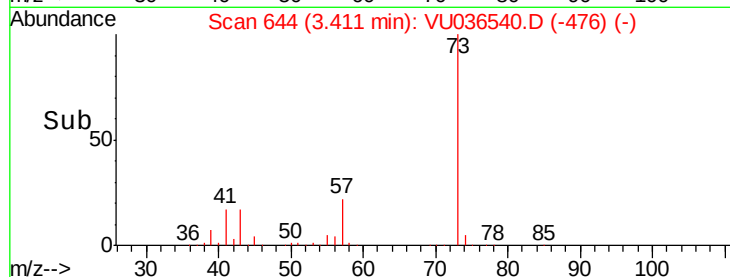
51 70.0 27.2 40.8#



Abundance Ion 53.00 (52.70 to 53.70): VU036540.D (-476) (-)

Ion 52.00 (51.70 to 52.70): VU036540.D (-476) (-)

Ion 51.00 (50.70 to 51.70): VU036540.D (-476) (-)



#15

Methylene 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

Tgt Ion: 84 Resp: 2981

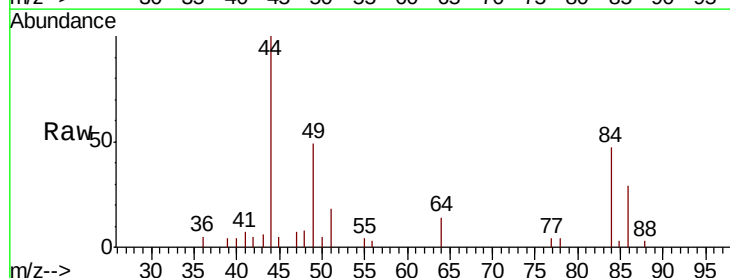
Ion Ratio Lower Upper

84 100

49 104.0 89.7 134.5

51 37.8 0.0 71.6

86 60.7 51.4 77.2

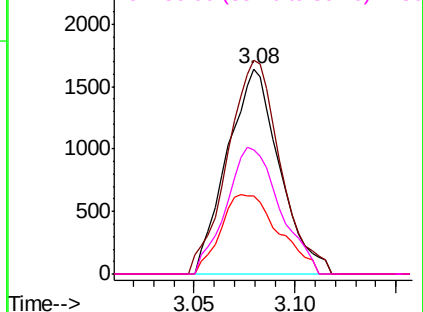
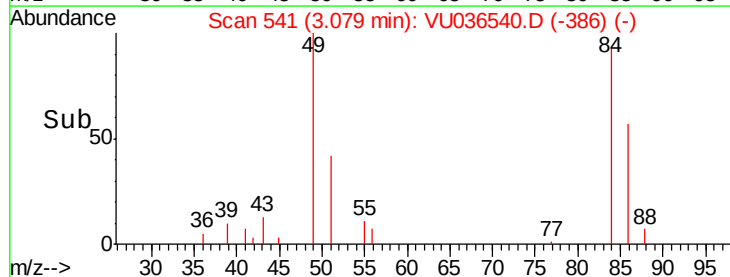


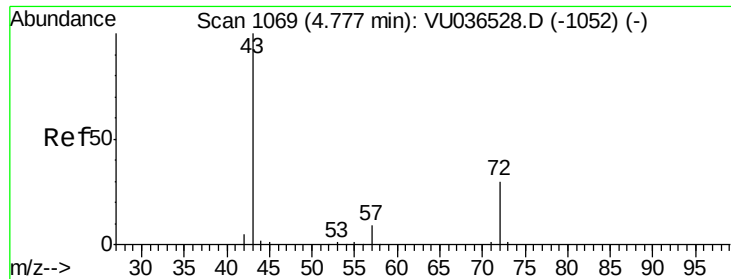
Abundance Ion 84.00 (83.70 to 84.70): VU036540.D (-386) (-)

Ion 49.00 (48.70 to 49.70): VU036540.D (-386) (-)

Ion 51.00 (50.70 to 51.70): VU036540.D (-386) (-)

Ion 86.00 (85.70 to 86.70): VU036540.D (-386) (-)

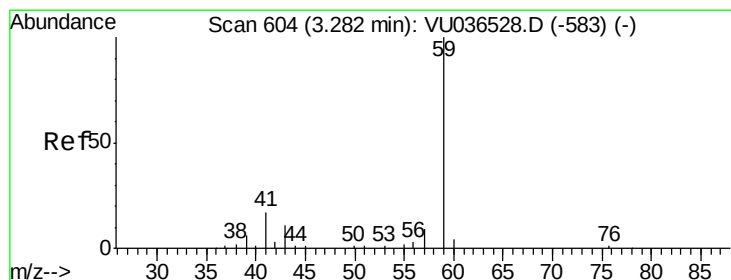
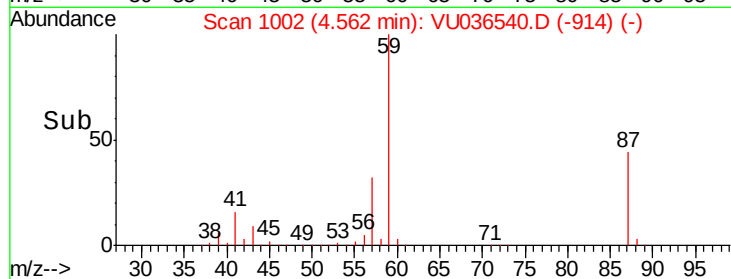
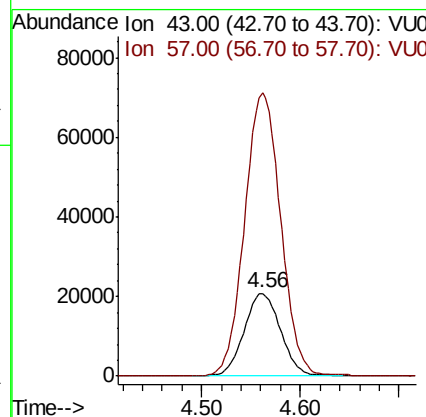
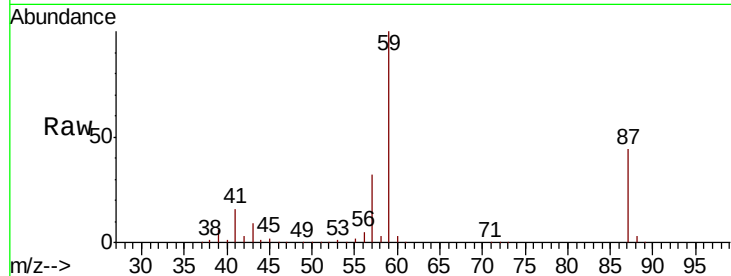




#18
 2-Butanone
 Concen: 20.565 ug/l
 RT: 4.56 min Scan# 1002
 Delta R.T. -0.22 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

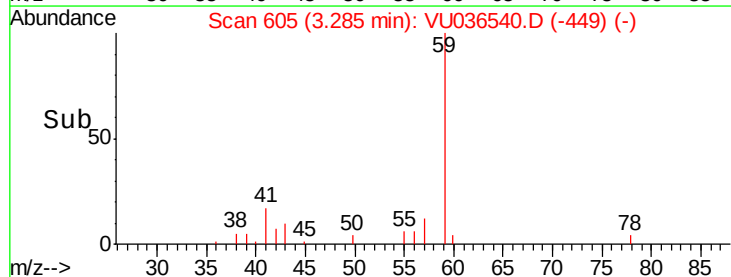
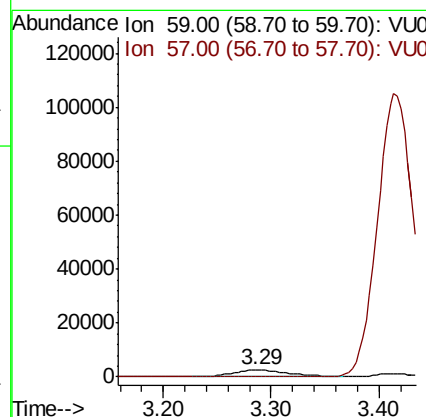
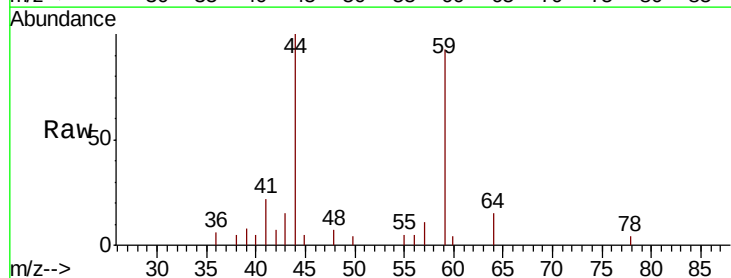
Instrument :
 MSVOA_U
 ClientSampleId :

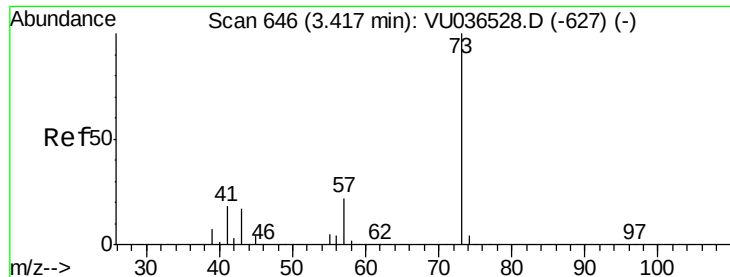
Tot Ion: 43 Resp: 52608
 Ion Ratio Lower Upper
 43 100
 57 345.2 0.0 17.8#



#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#



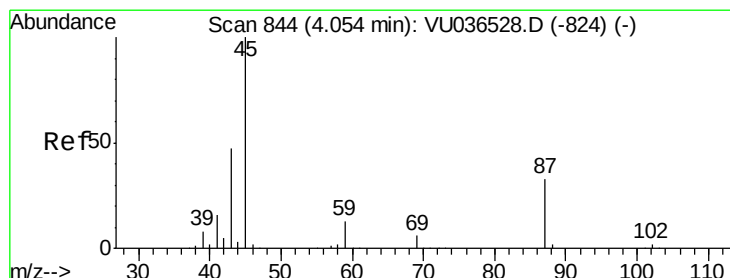
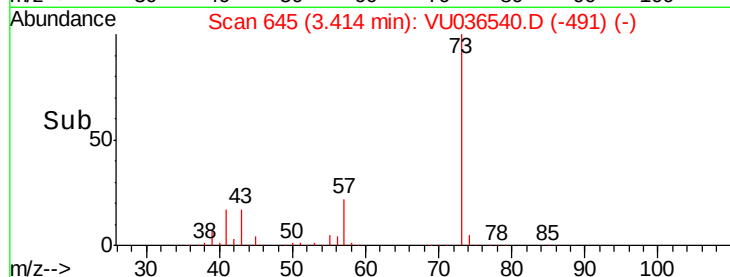
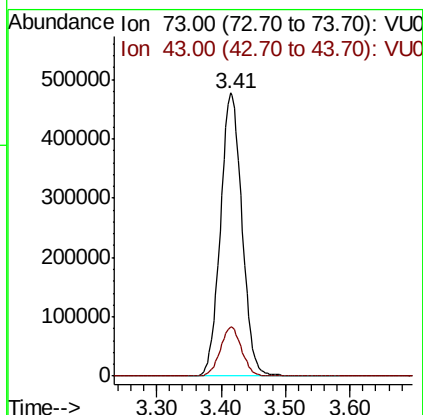
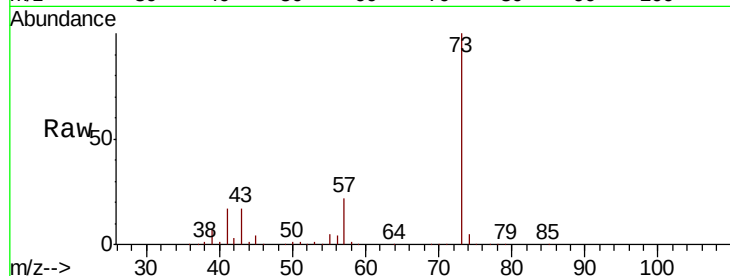


#25

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
 ClientSampleId :

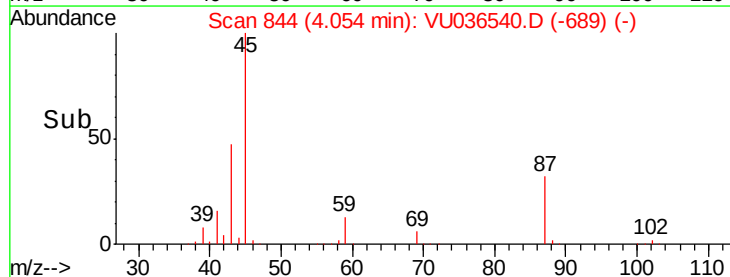
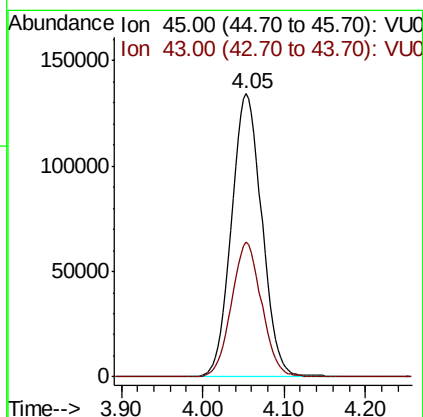
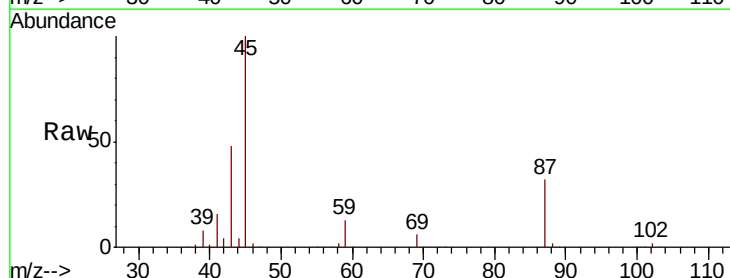
Tot Ion: 73 Resp: 1112753
 Ion Ratio Lower Upper
 73 100
 43 17.1 14.5 21.7

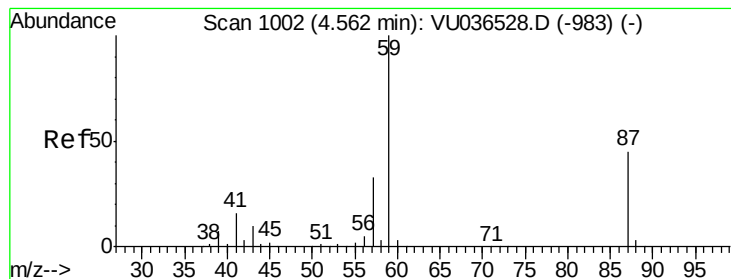


#31

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





#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

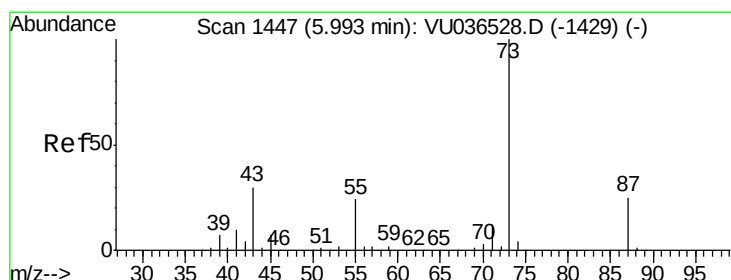
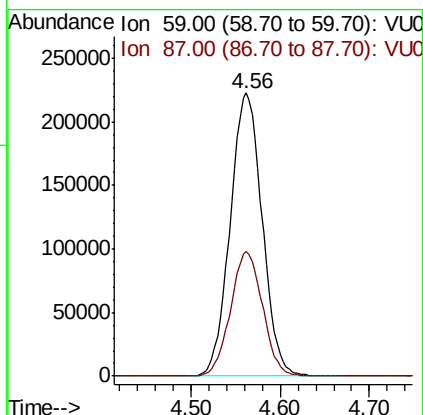
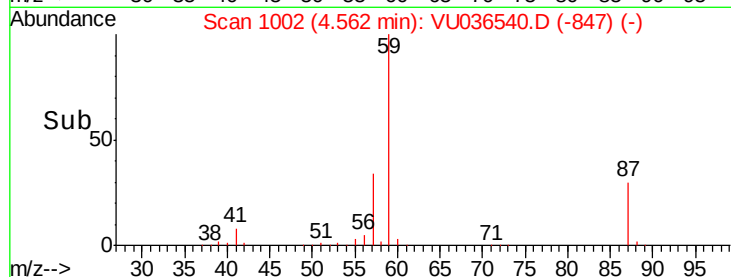
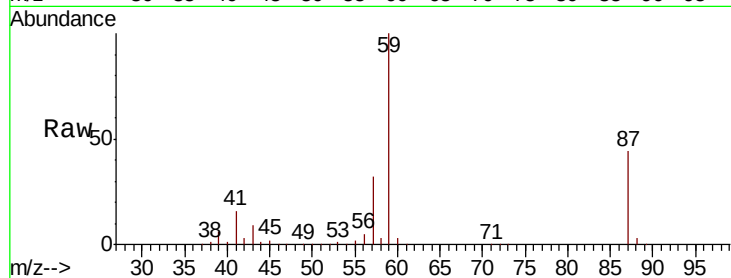
ClientSampled :

Tot Ion: 59 Resp: 552073

Ion Ratio Lower Upper

59 100

87 43.9 35.1 52.7



#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

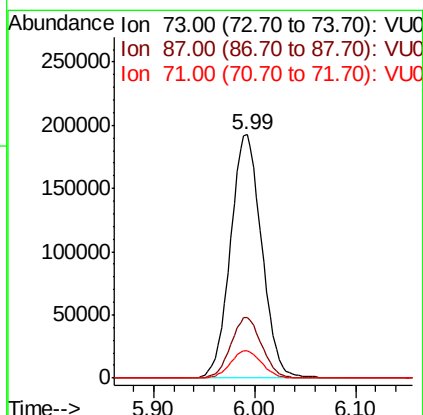
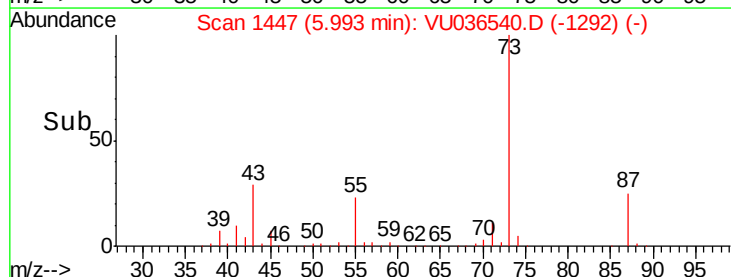
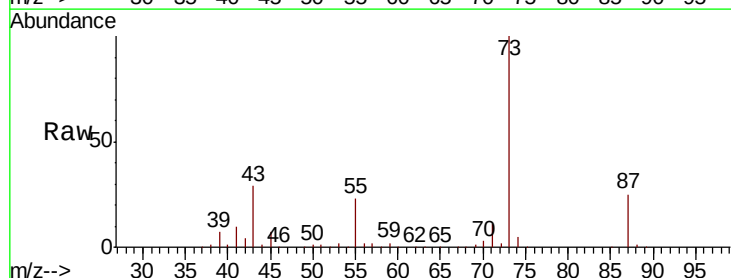
Tgt Ion: 73 Resp: 411799

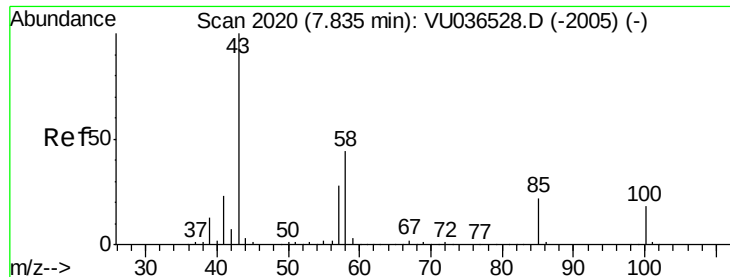
Ion Ratio Lower Upper

73 100

87 24.8 19.8 29.6

71 11.3 9.1 13.7





#45

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 7.84 min Scan# 2022

Delta R.T. 0.01 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Instrument :

MSVOA_U

ClientSampled :

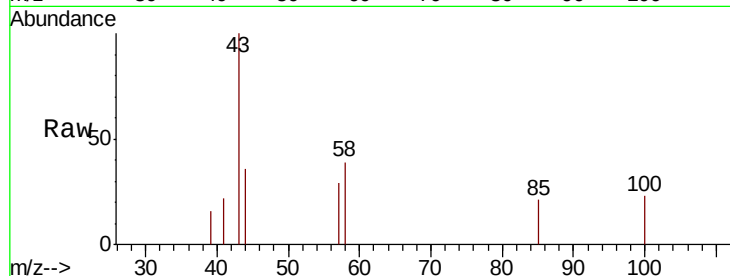
Tot Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 36.3 22.1 66.1

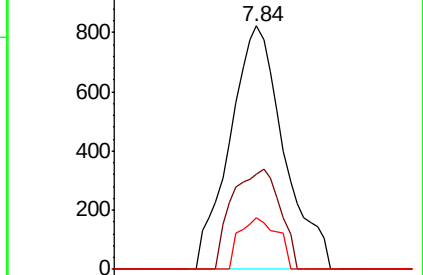
85 14.8 17.4 26.0#



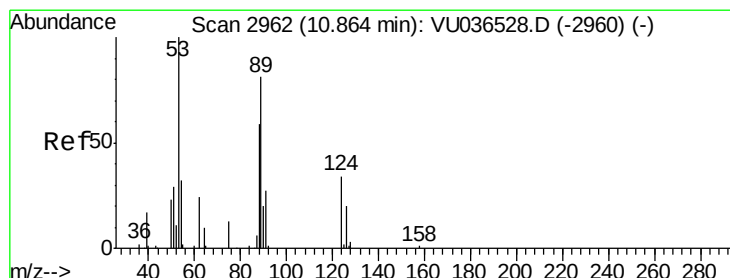
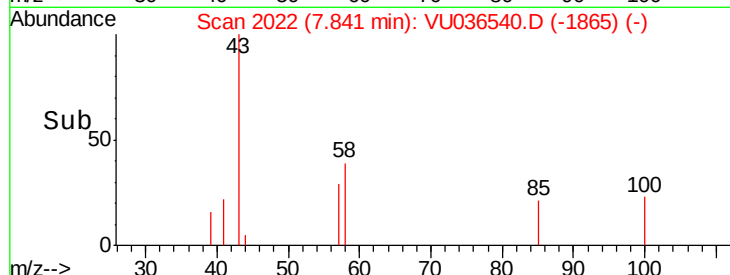
Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-2005) (-)

Ion 58.00 (57.70 to 58.70): VU036528.D (-2005) (-)

Ion 85.00 (84.70 to 85.70): VU036528.D (-2005) (-)



Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 1.478 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. 0.06 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Tgt Ion: 75 Resp: 3940

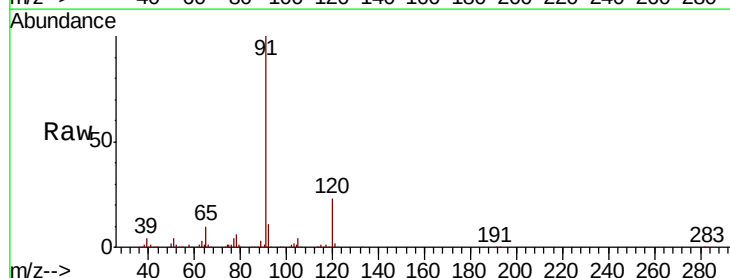
Ion Ratio Lower Upper

75 100

53 71.1 52.2 78.2

89 454.4 39.8 59.6#

88 3.4 27.4 41.2#

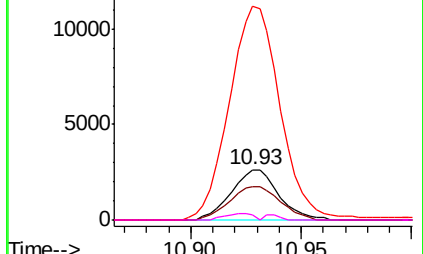


Abundance Ion 74.90 (74.60 to 75.60): VU036528.D (-2960) (-)

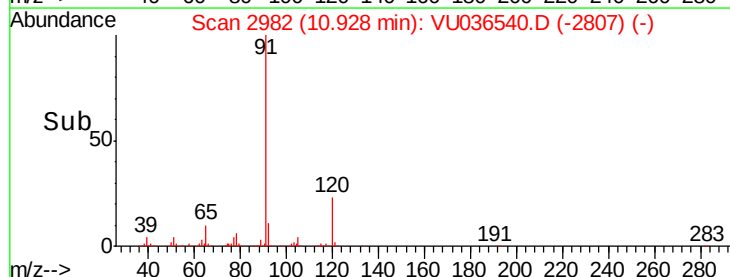
Ion 53.00 (52.70 to 53.70): VU036528.D (-2960) (-)

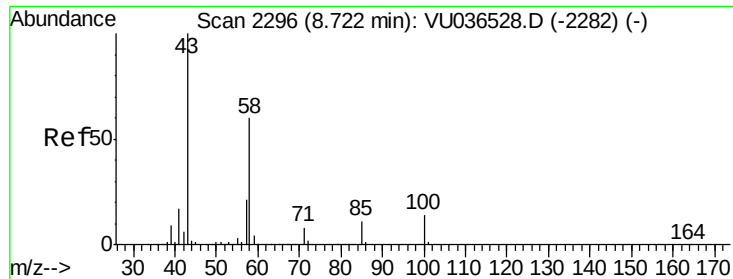
Ion 88.80 (88.50 to 89.50): VU036528.D (-2960) (-)

Ion 87.80 (87.50 to 88.50): VU036528.D (-2960) (-)



Time-->

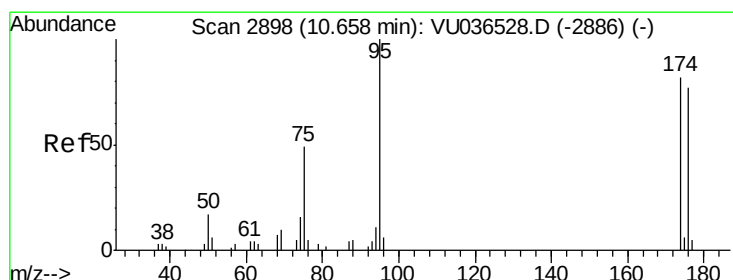
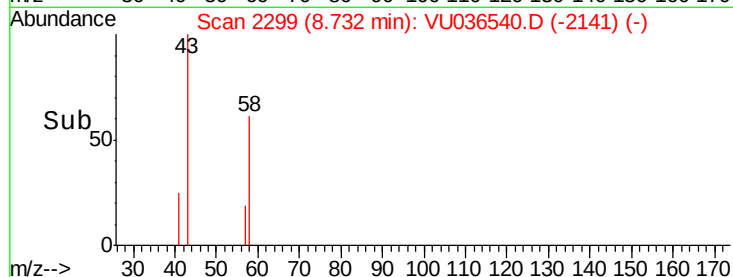
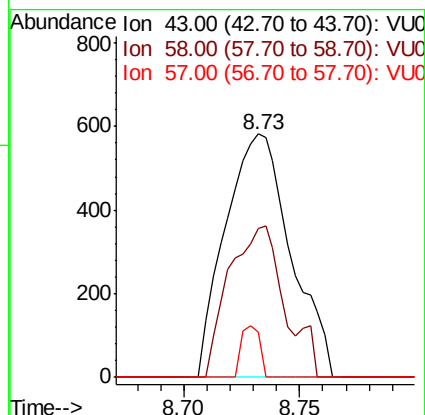
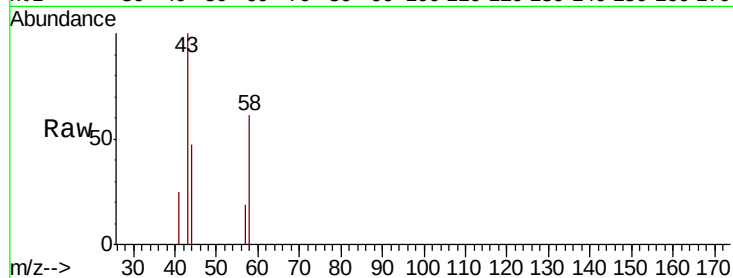




#54
2-Hexanone
Concen: 0.269 ug/l
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036540.D
Acq: 23 Jan 2020 15:40

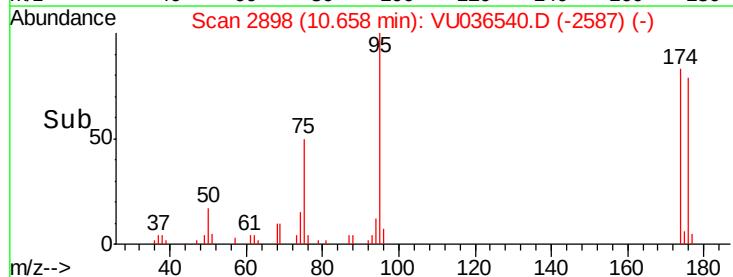
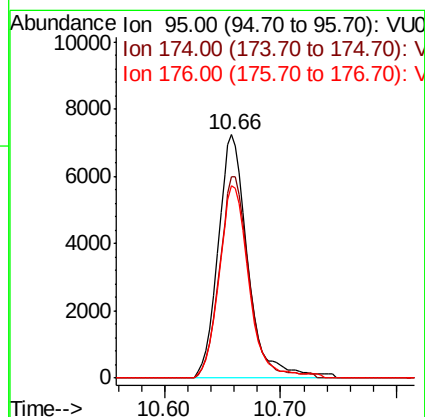
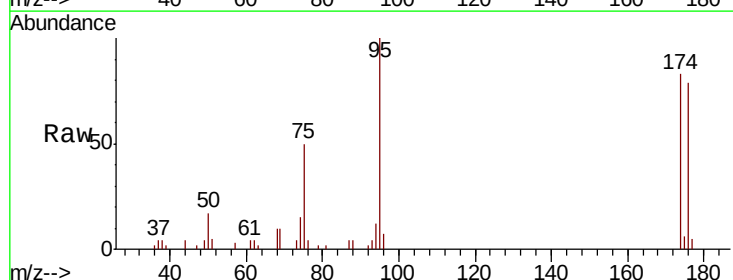
Instrument :
MSVOA_U
ClientSampleId :

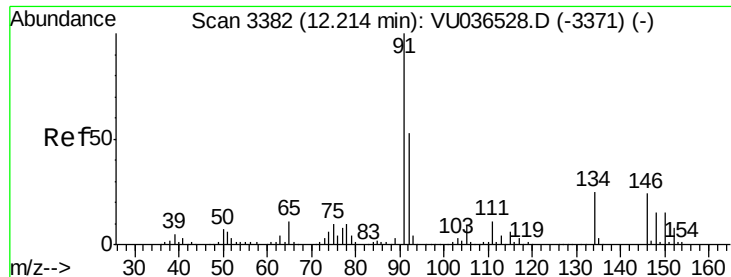
Tot Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 53.2 40.6 80.6
57 5.9 1.2 41.2



#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

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

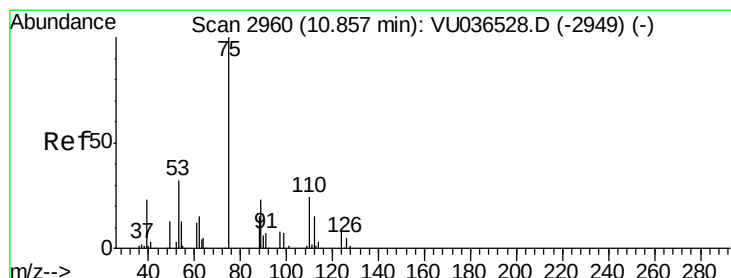
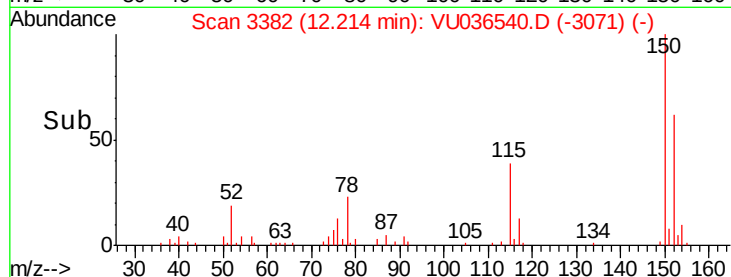
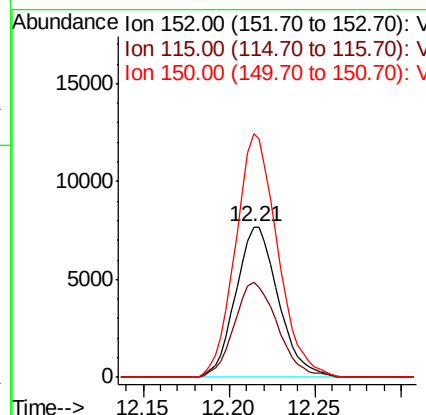
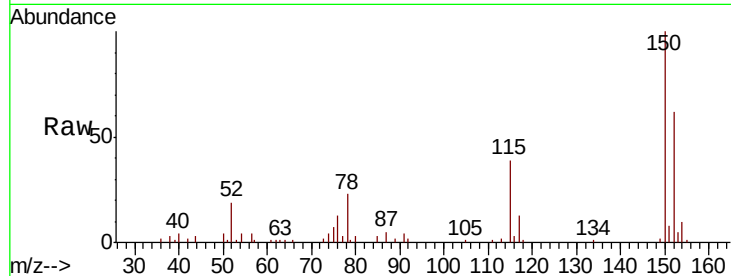




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.925 ug/l
 RT: 12.21 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

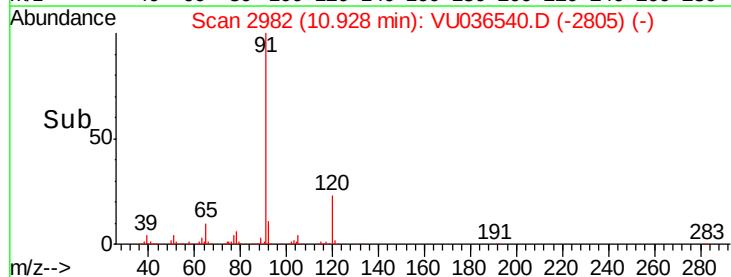
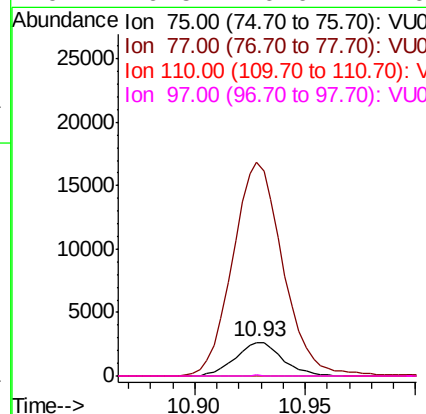
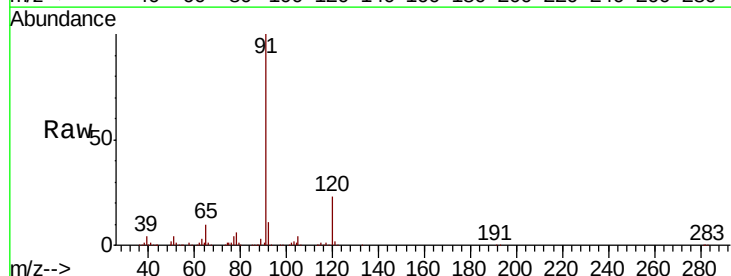
Instrument :
 MSVOA_U
 ClientSampleId :

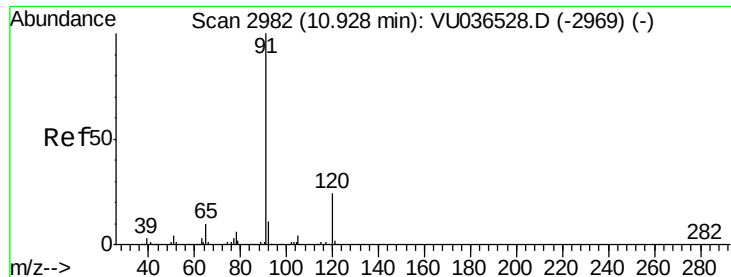
Tot Ion:152 Resp: 13209
 Ion Ratio Lower Upper
 152 100
 115 64.6 0.0 241.8
 150 160.3 0.0 652.4



#71
 1,2,3-Trichloropropane
 Concen: 0.574 ug/l
 RT: 10.93 min Scan# 2982
 Delta R.T. 0.07 min
 Lab File: VU036540.D
 Acq: 23 Jan 2020 15:40

Tgt Ion: 75 Resp: 3940
 Ion Ratio Lower Upper
 75 100
 77 678.4 0.0 129.6#
 110 0.0 0.0 77.4
 97 0.5 0.0 42.0





#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

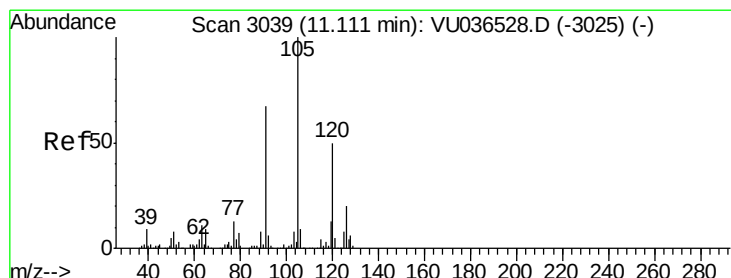
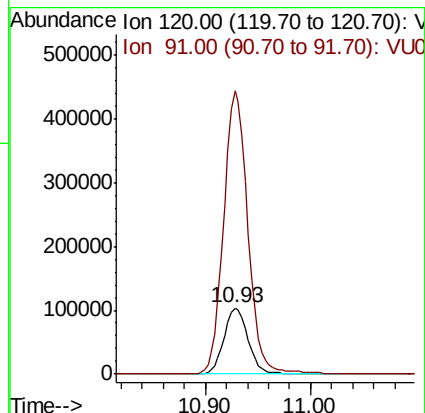
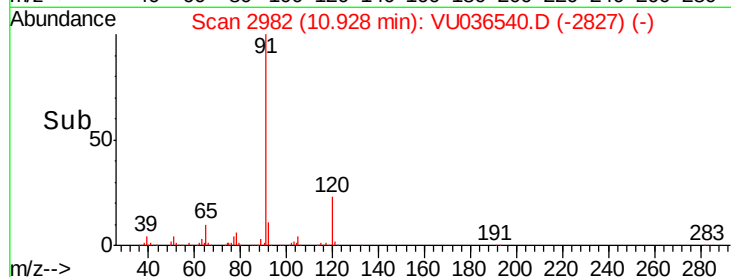
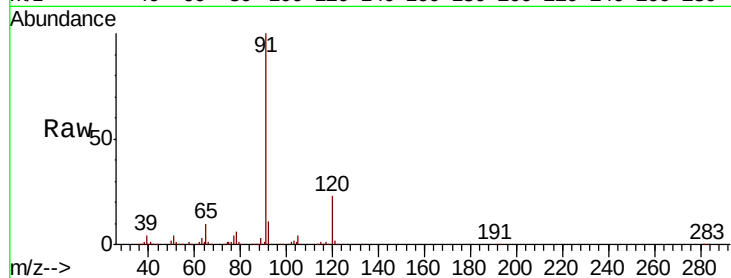
ClientSampleId :

Tot Ion:120 Resp: 164495

Ion Ratio Lower Upper

120 100

91 428.9 329.5 494.3



#75

1,3,5-Trimethylbenzene

Concen: 0.616 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.18 min

Lab File: VU036540.D

Acq: 23 Jan 2020 15:40

Tgt Ion:105 Resp: 25931

Ion Ratio Lower Upper

105 100

120 634.4 39.8 59.8#

