

Data File : VU034475.D
Acq On : 11 Sep 2019 14:23
Operator : JC/SP
Sample : K4783-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
38150-122118

Quant Time: Sep 12 03:49:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration

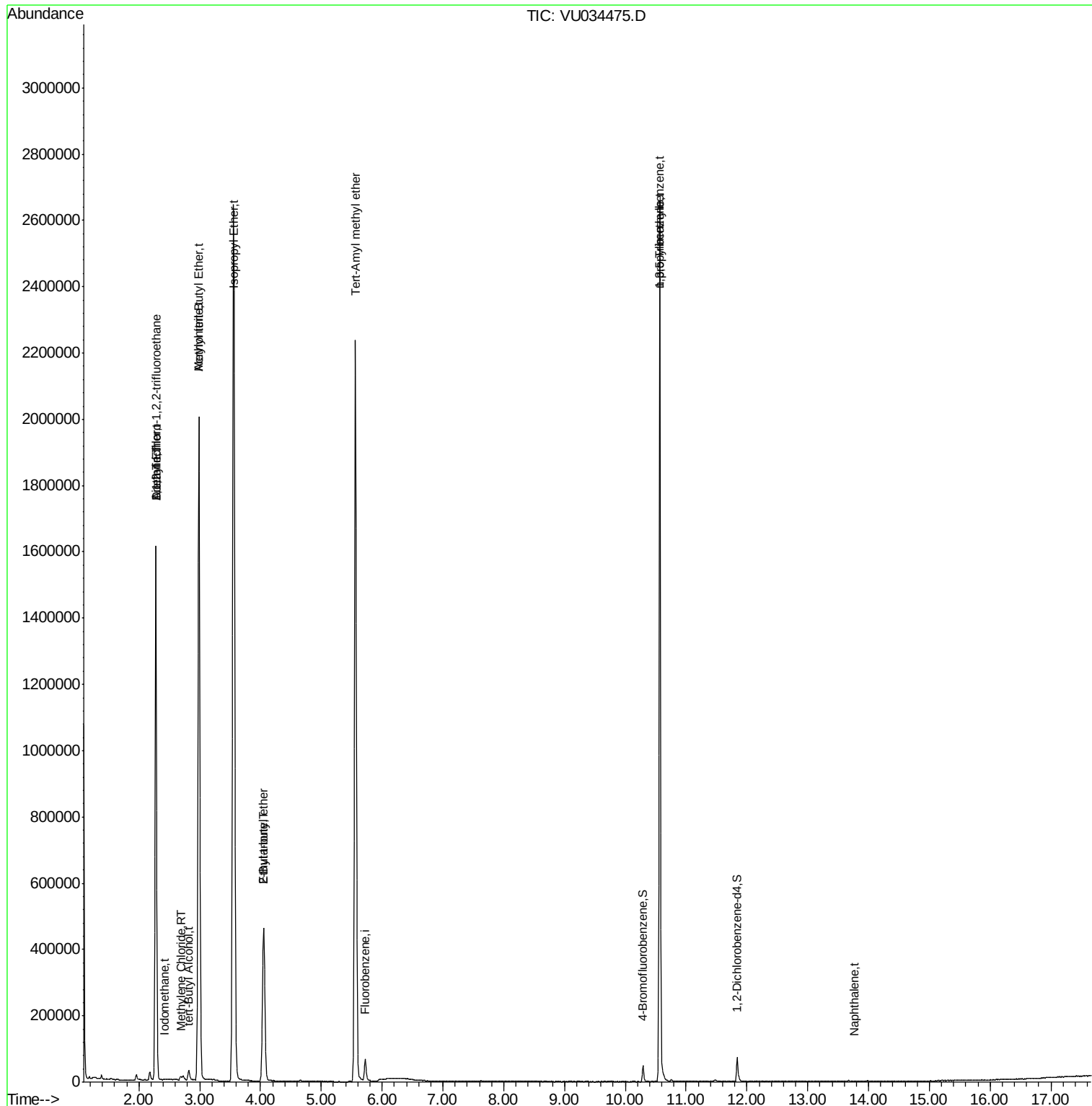
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	67959	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	19108	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	22986	0.81	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.00%	
Target Compounds						
					Qvalue	
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	608121	33.885	ug/l	100
10) Iodomethane	2.41	142	410	0.473	ug/l #	78
12) Acrylonitrile	2.99	53	21235	5.636	ug/l #	31
13) Acetone	2.28	43	5916	1.885	ug/l	98
15) Methylene Chloride	2.69	84	4653	0.221	ug/l	95
18) 2-Butanone	4.05	43	49482	10.916	ug/l #	1
23) Diethyl Ether	2.28	59	4592	0.339	ug/l #	19
24) tert-Butyl Alcohol	2.82	59	35645	20.416	ug/l #	75
25) Methyl tert-Butyl Ether	2.99	73	2167598	50.009	ug/l	100
31) Isopropyl Ether	3.56	45	2737233	49.276	ug/l	97
32) Ethyl-t-butyl ether	4.05	59	525877	11.063	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	1938340	48.679	ug/l	99
73) n-propylbenzene	10.57	120	452921	18.287	ug/l	95
75) 1,3,5-Trimethylbenzene	10.57	105	72861	0.949	ug/l #	1
89) Naphthalene	13.75	128	1209	0.800	ug/l #	85
-----	-----	-----	-----	-----	-----	-----

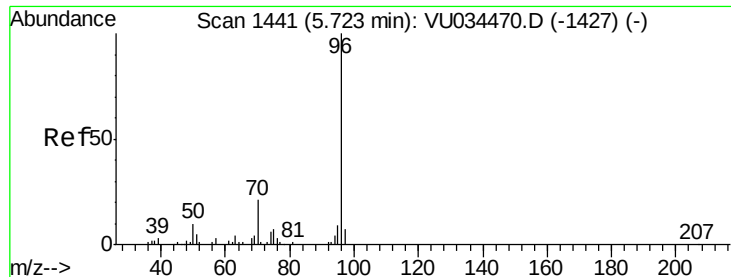
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

38150-122118

Tgt Ion: 96 Resp: 67959

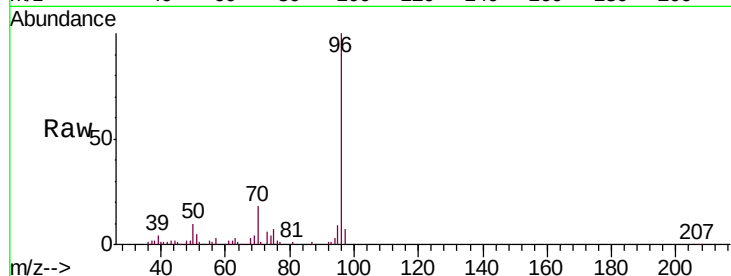
Ion Ratio Lower Upper

96 100

70 18.6 16.5 24.7

95 8.7 7.0 10.6

97 6.8 0.0 0.0#

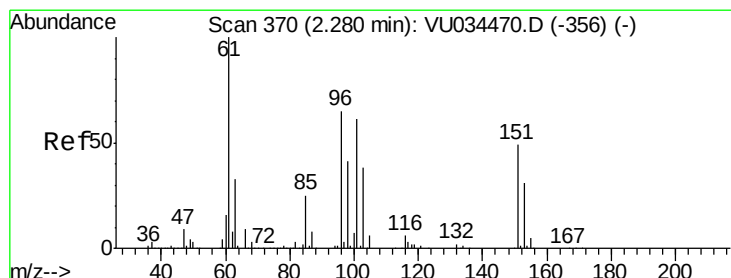
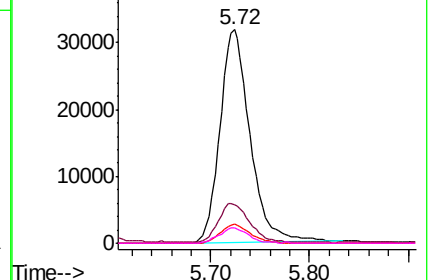
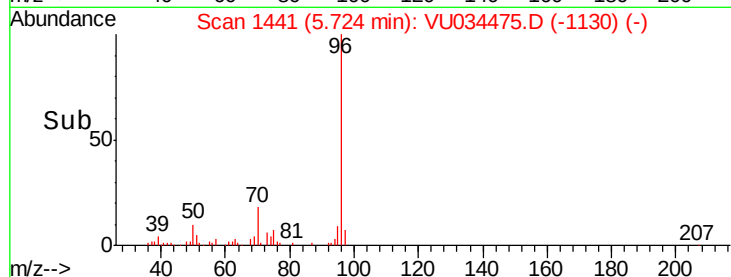


Abundance Ion 96.00 (95.70 to 96.70): VU034470.D (-1427) (-)

Ion 70.00 (69.70 to 70.70): VU034470.D (-1427) (-)

Ion 95.00 (94.70 to 95.70): VU034470.D (-1427) (-)

Ion 97.00 (96.70 to 97.70): VU034470.D (-1427) (-)



#8

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

Concen: 33.885 ug/l

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

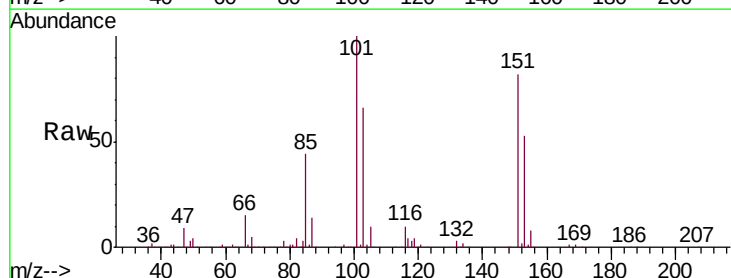
Tgt Ion: 101 Resp: 608121

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.2

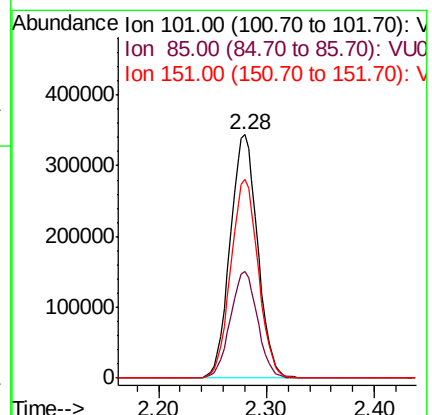
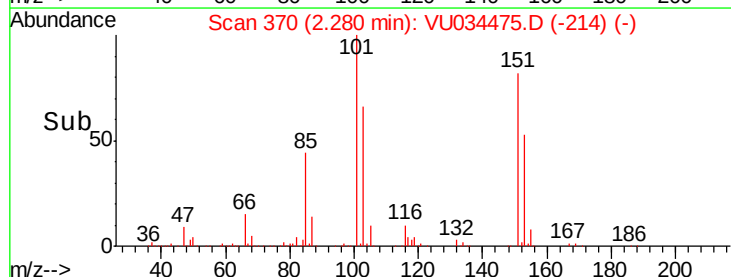
151 81.6 65.2 97.8

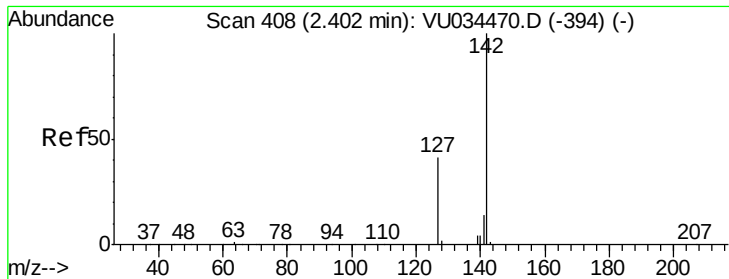


Abundance Ion 101.00 (100.70 to 101.70): VU034470.D (-356) (-)

Ion 85.00 (84.70 to 85.70): VU034470.D (-356) (-)

Ion 151.00 (150.70 to 151.70): VU034470.D (-356) (-)





#10

Iodomethane

Concen: 0.473 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

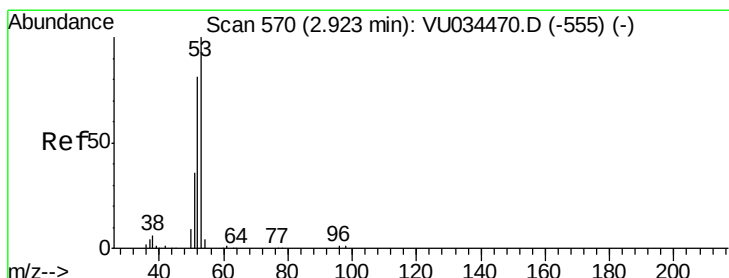
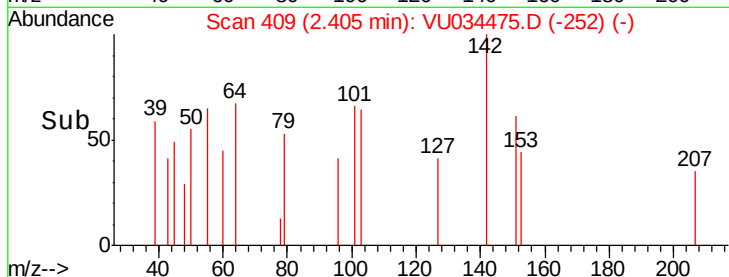
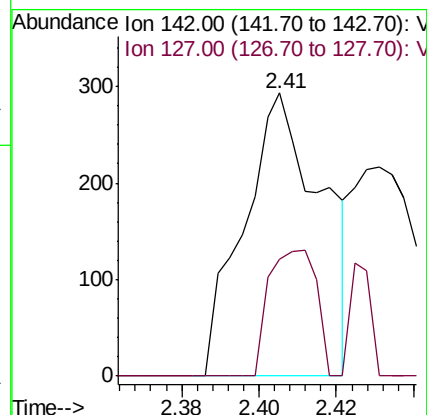
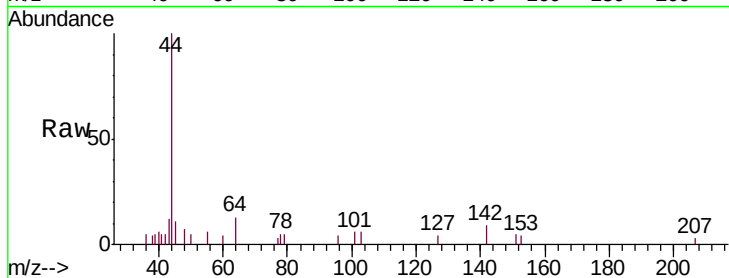
38150-122118

Tgt Ion:142 Resp: 410

Ion Ratio Lower Upper

142 100

127 27.3 33.0 49.6#



#12

Acrylonitrile

Concen: 5.636 ug/l

RT: 2.99 min Scan# 590

Delta R.T. 0.06 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

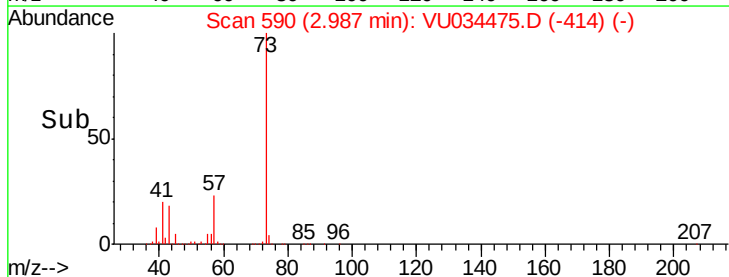
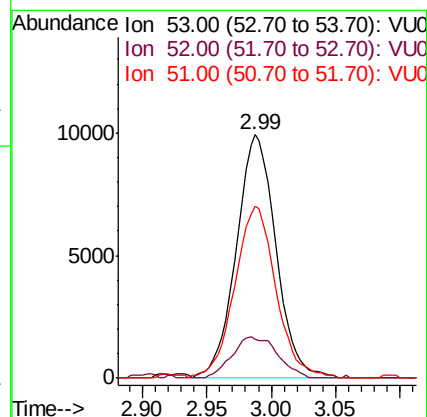
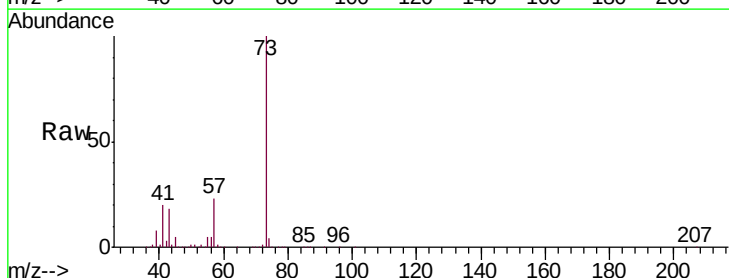
Tgt Ion: 53 Resp: 21235

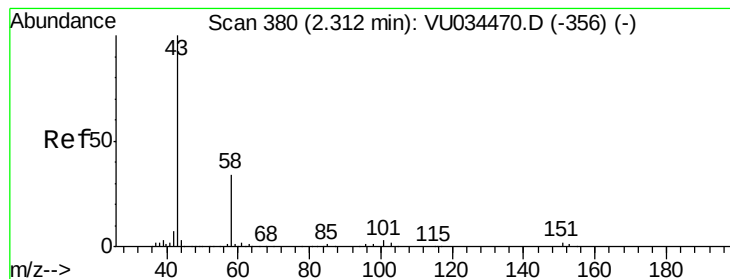
Ion Ratio Lower Upper

53 100

52 19.4 66.9 100.3#

51 73.4 28.4 42.6#





#13

Acetone

Concen: 1.885 ug/l

RT: 2.28 min Scan# 369

Delta R.T. -0.04 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

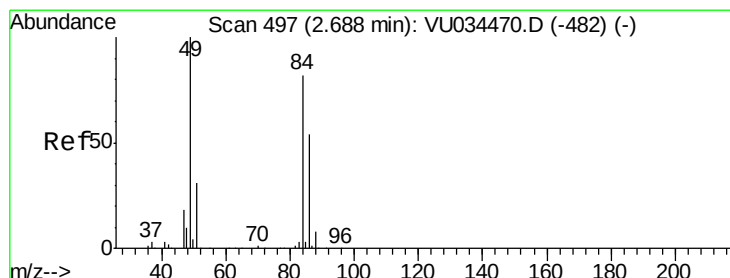
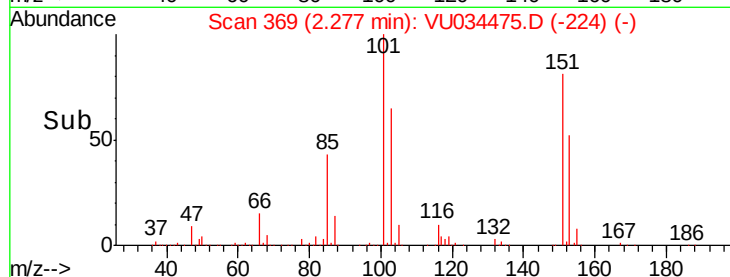
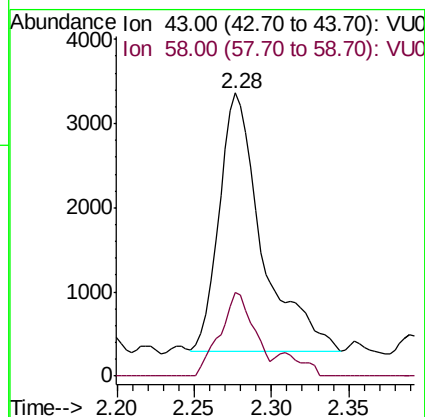
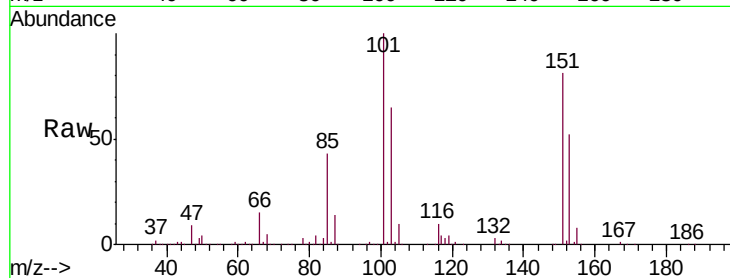
38150-122118

Tgt Ion: 43 Resp: 5916

Ion Ratio Lower Upper

43 100

58 32.3 26.9 40.3



#15

Methylene Chloride

Concen: 0.221 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Tgt Ion: 84 Resp: 4653

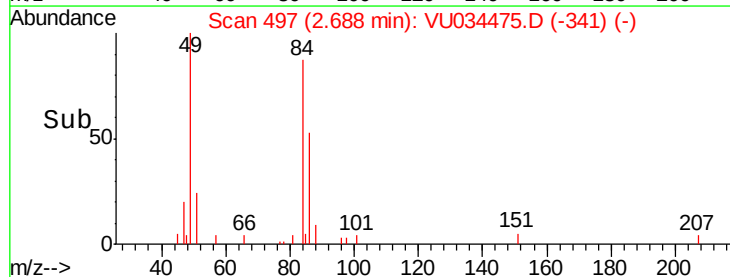
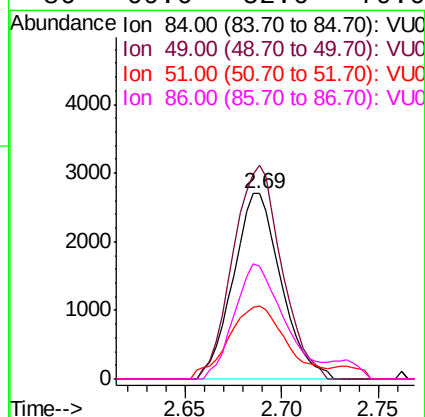
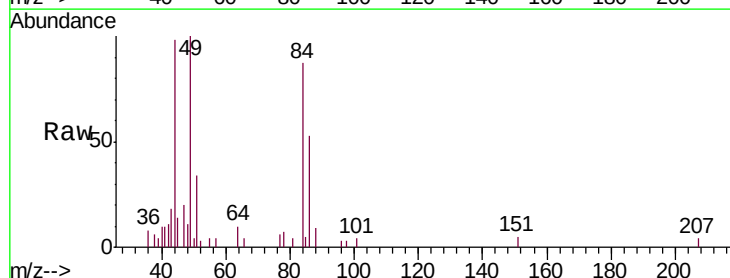
Ion Ratio Lower Upper

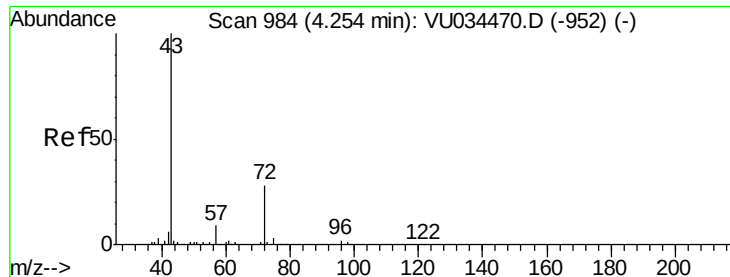
84 100

49 115.4 97.8 146.6

51 39.3 0.0 76.4

86 60.6 52.6 79.0

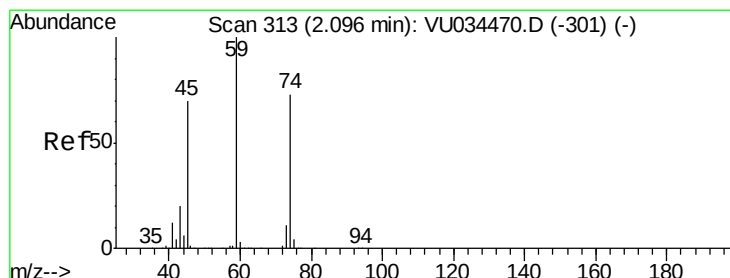
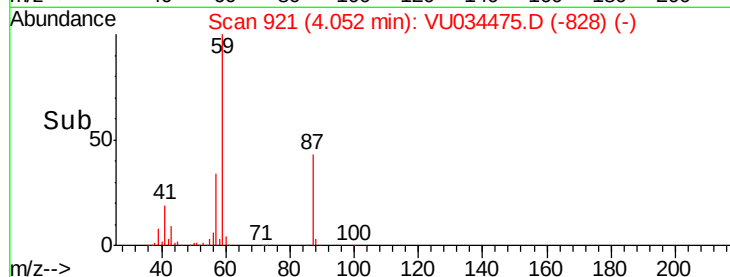
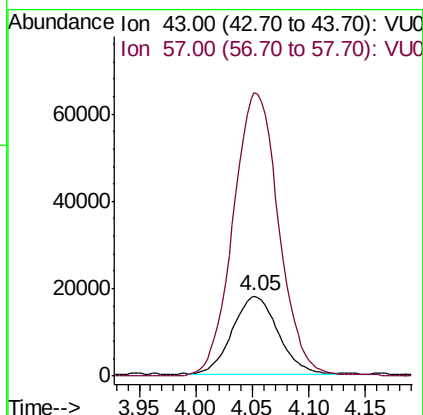
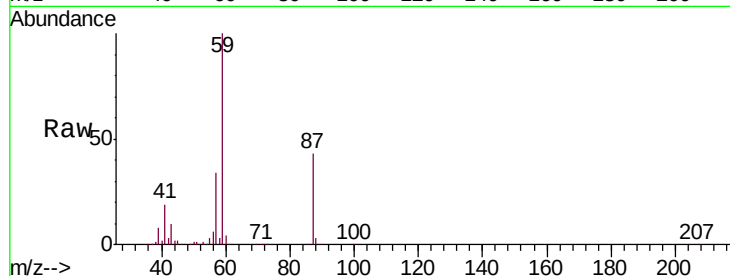




#18
2-Butanone
Concen: 10.916 ug/l
RT: 4.05 min Scan# 921
Delta R.T. -0.20 min
Lab File: VU034475.D
Acq: 11 Sep 2019 14:23

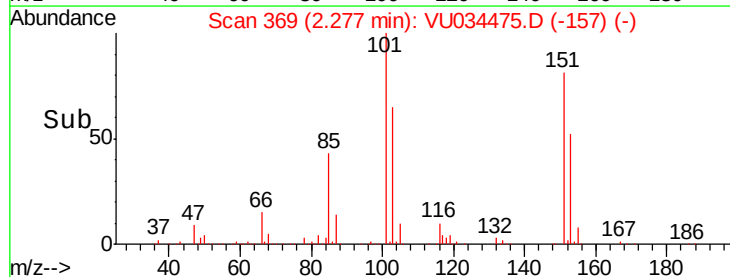
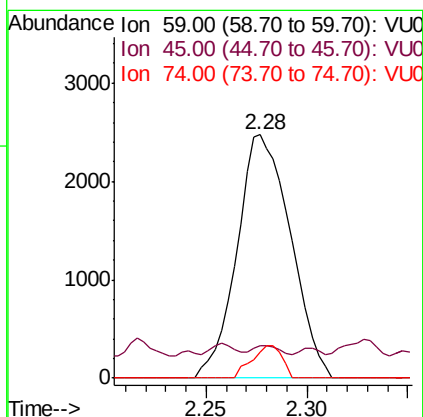
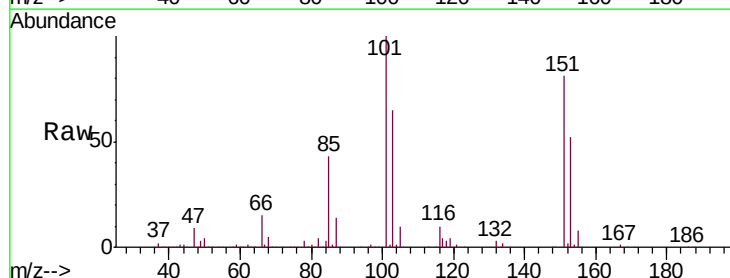
Instrument :
MSVOA_U
ClientSampleId :
38150-122118

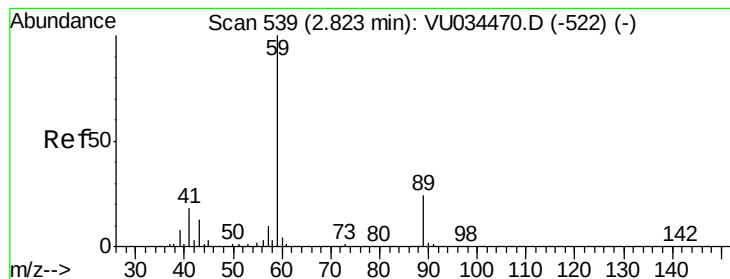
Tgt Ion: 43 Resp: 49482
Ion Ratio Lower Upper
43 100
57 363.0 0.0 17.8#



#23
Diethyl Ether
Concen: 0.339 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.18 min
Lab File: VU034475.D
Acq: 11 Sep 2019 14:23

Tgt Ion: 59 Resp: 4592
Ion Ratio Lower Upper
59 100
45 1.4 56.3 84.5#
74 7.5 58.2 87.2#





#24

tert-Butyl Alcohol

Concen: 20.416 ug/l

RT: 2.82 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

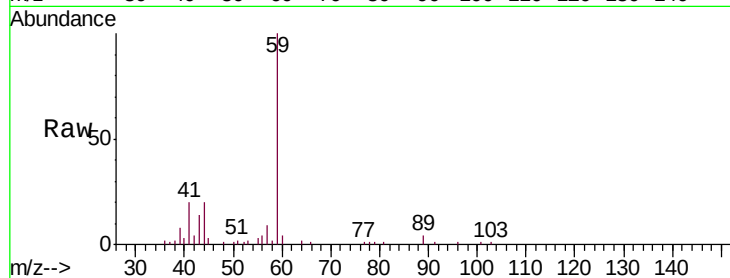
38150-122118

Tgt Ion: 59 Resp: 35645

Ion Ratio Lower Upper

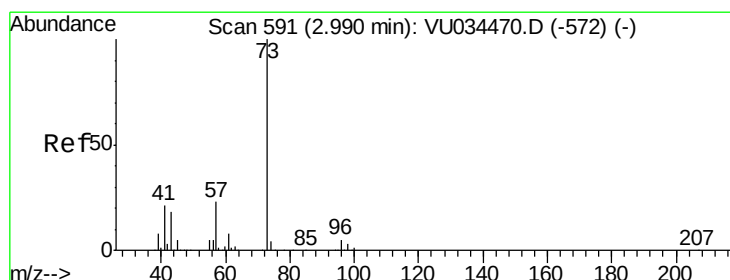
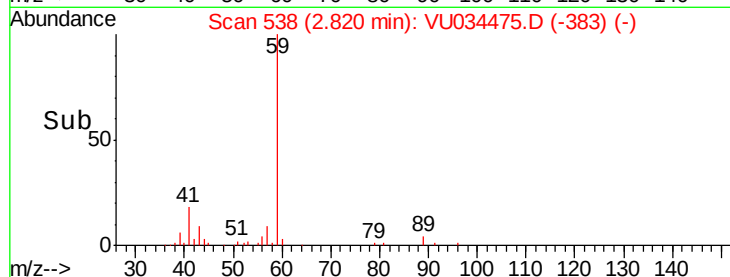
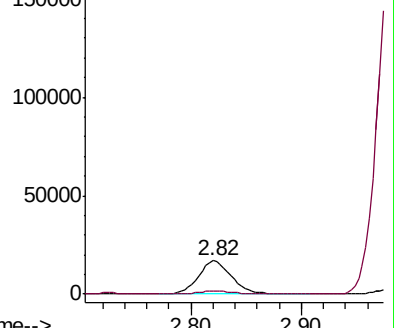
59 100

57 0.0 7.3 10.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034475.D (-522) (-)

Ion 57.00 (56.70 to 57.70): VU034475.D (-522) (-)



#25

Methyl tert-Butyl Ether

Concen: 50.009 ug/l

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034475.D

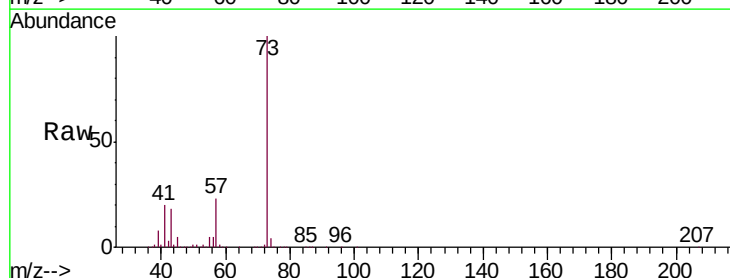
Acq: 11 Sep 2019 14:23

Tgt Ion: 73 Resp: 2167598

Ion Ratio Lower Upper

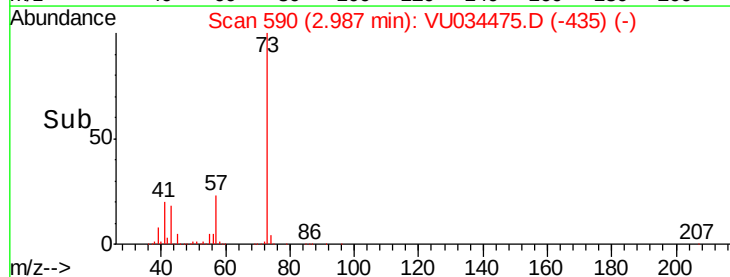
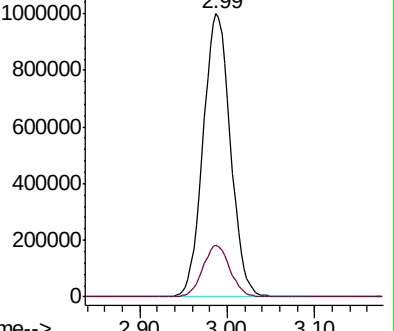
73 100

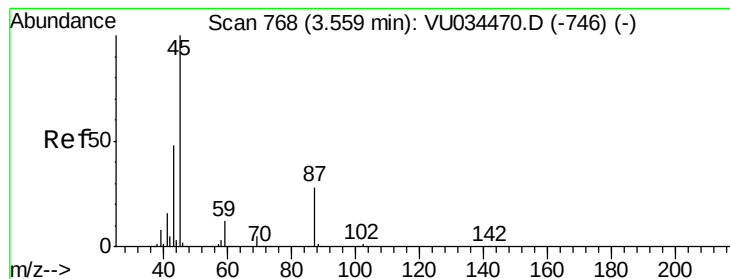
43 18.1 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VU034475.D (-572) (-)

Ion 43.00 (42.70 to 43.70): VU034475.D (-572) (-)





#31

Isopropyl Ether

Concen: 49.276 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

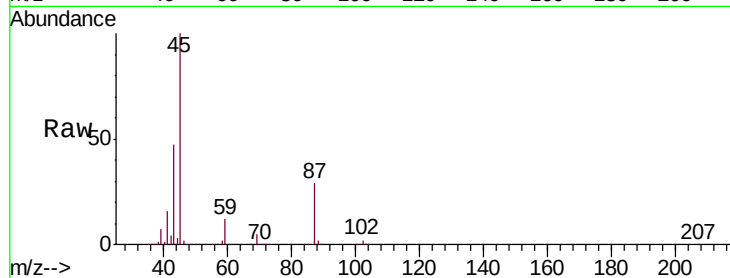
38150-122118

Tgt Ion: 45 Resp: 2737233

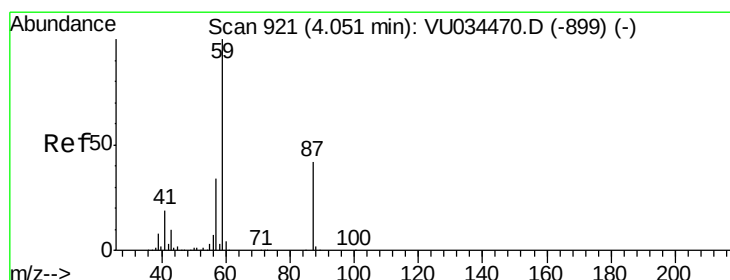
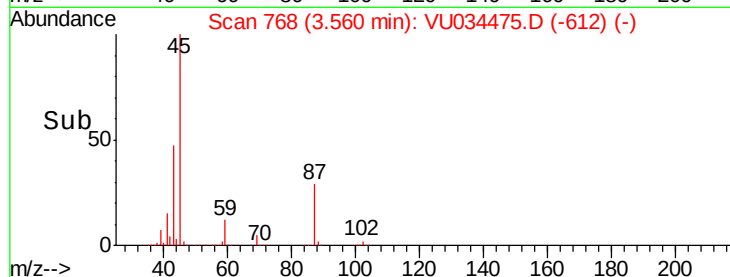
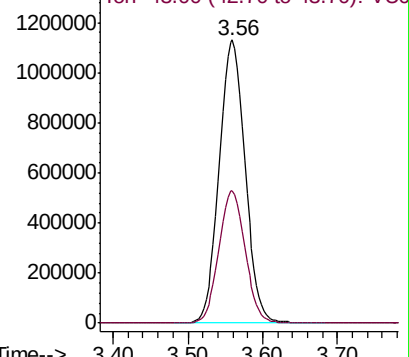
Ion Ratio Lower Upper

45 100

43 47.5 24.8 74.3



Abundance Ion 45.00 (44.70 to 45.70): VU034470.D (-746) (-)



#32

Ethyl-t-butyl ether

Concen: 11.063 ug/l

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VU034475.D

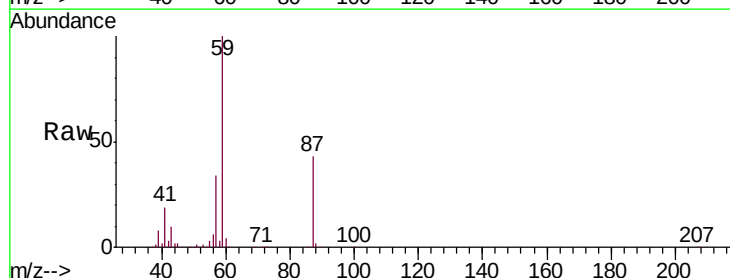
Acq: 11 Sep 2019 14:23

Tgt Ion: 59 Resp: 525877

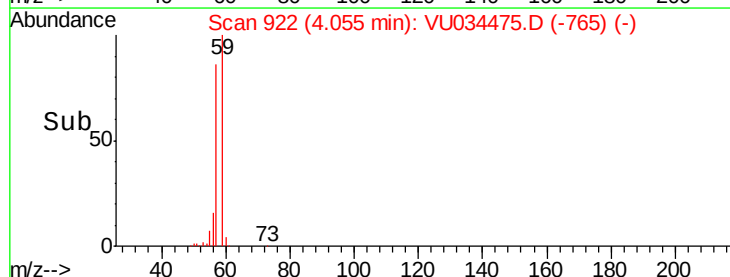
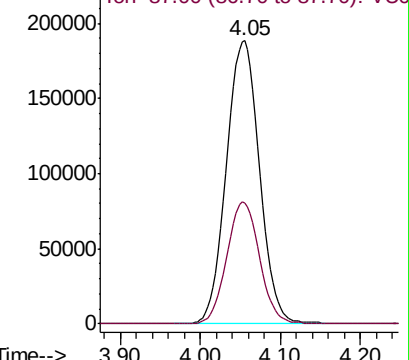
Ion Ratio Lower Upper

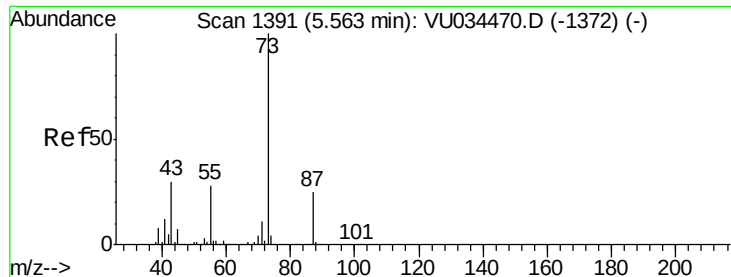
59 100

87 42.2 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034470.D (-899) (-)

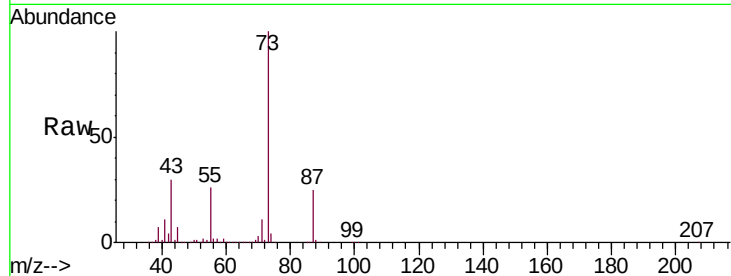




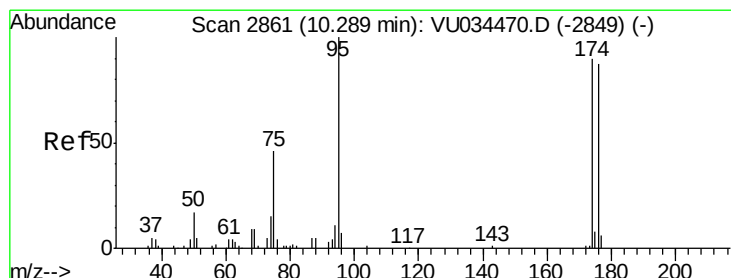
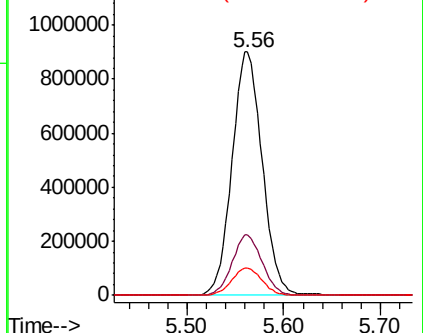
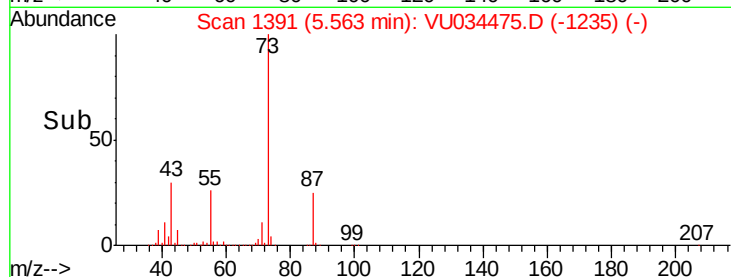
#33
Tert-Amyl methyl ether
Concen: 48.679 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034475.D
Acq: 11 Sep 2019 14:23

Instrument :
MSVOA_U
ClientSampleId :
38150-122118

Tgt Ion: 73 Resp: 1938340
Ion Ratio Lower Upper
73 100
87 24.7 19.4 29.0
71 11.4 9.3 13.9

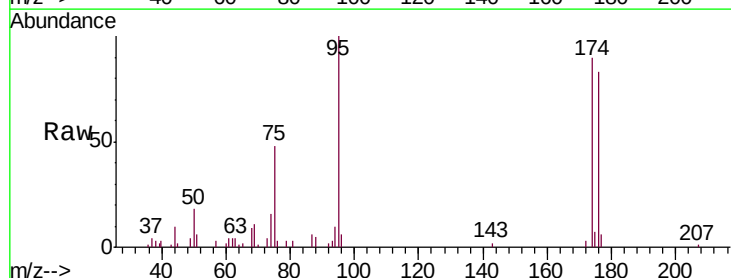


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

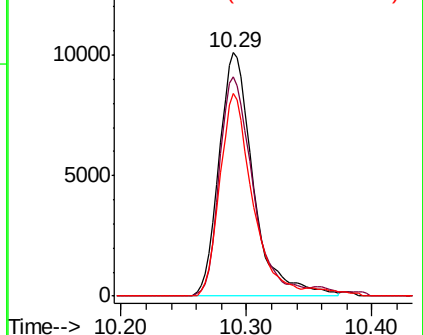
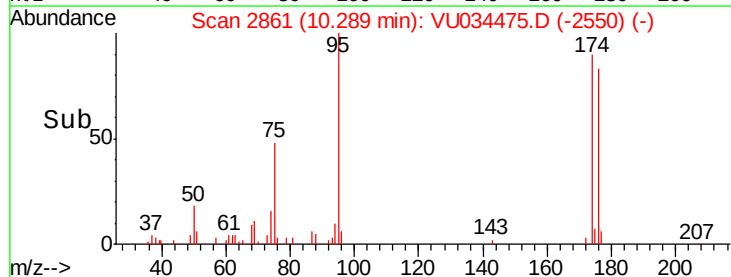


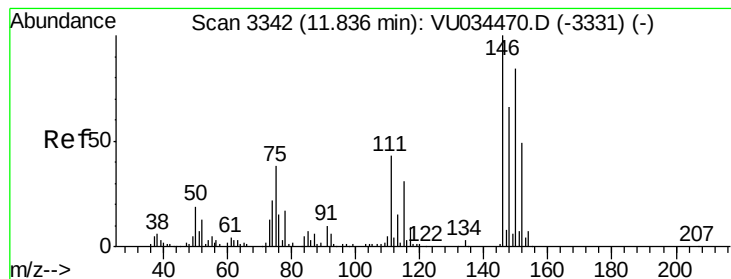
#57
4-Bromofluorobenzene
Concen: 0.726 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034475.D
Acq: 11 Sep 2019 14:23

Tgt Ion: 95 Resp: 19108
Ion Ratio Lower Upper
95 100
174 88.2 70.1 105.1
176 79.2 67.7 101.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#68

1,2-Dichlorobenzene-d4

Concen: 0.810 ug/l

RT: 11.84 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

38150-122118

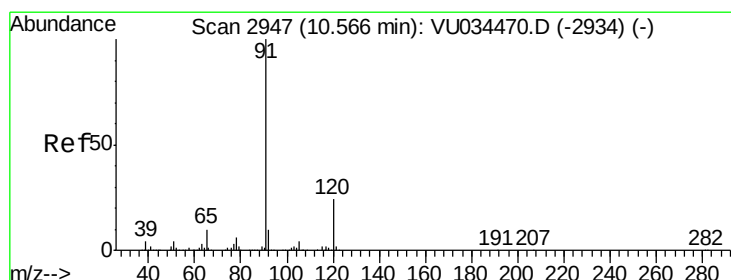
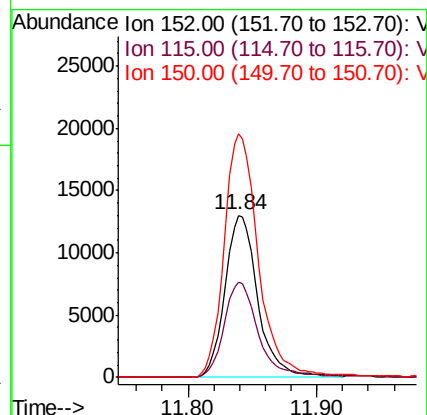
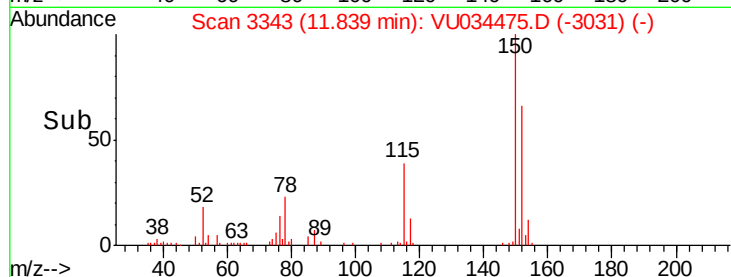
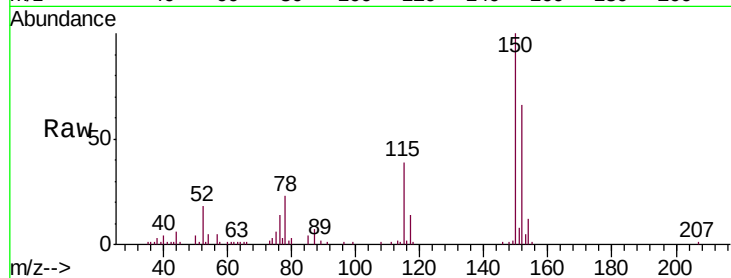
Tgt Ion:152 Resp: 22986

Ion Ratio Lower Upper

152 100

115 60.8 0.0 126.6

150 156.3 0.0 633.6



#73

n-propylbenzene

Concen: 18.287 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034475.D

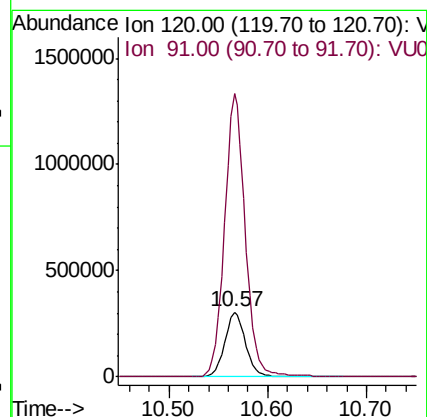
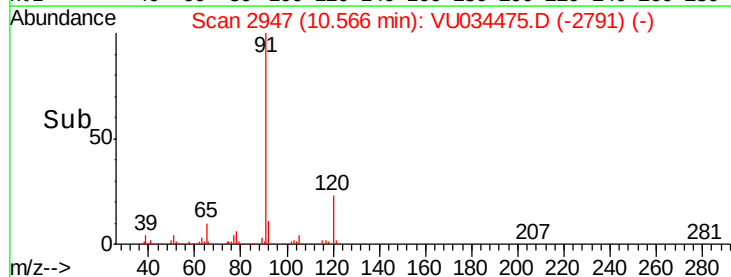
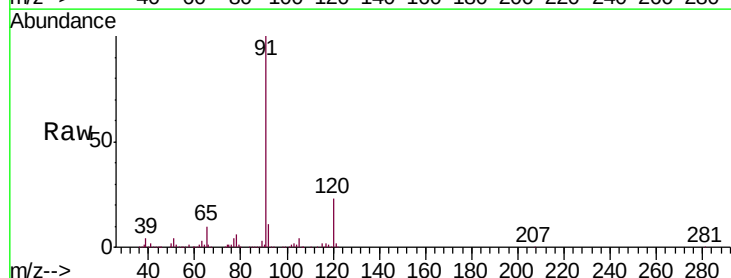
Acq: 11 Sep 2019 14:23

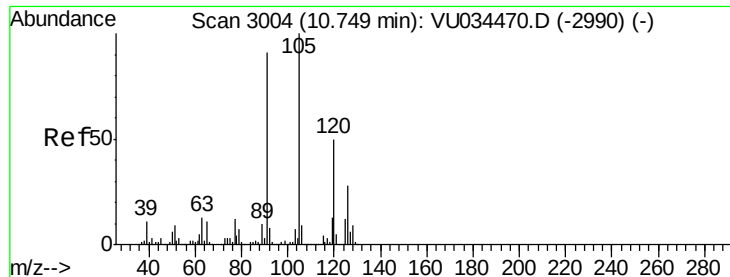
Tgt Ion:120 Resp: 452921

Ion Ratio Lower Upper

120 100

91 437.0 339.1 508.7





#75

1,3,5-Trimethylbenzene

Concen: 0.949 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.18 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

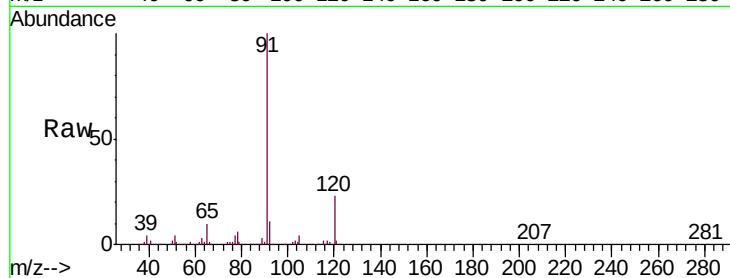
38150-122118

Tgt Ion:105 Resp: 72861

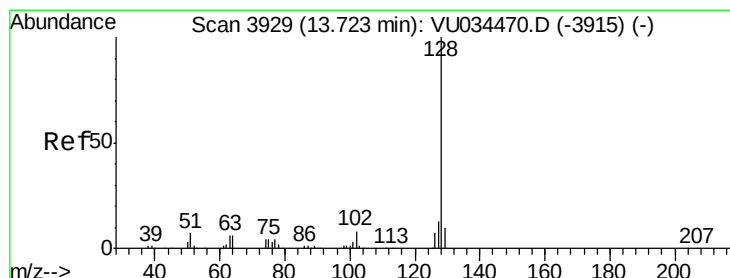
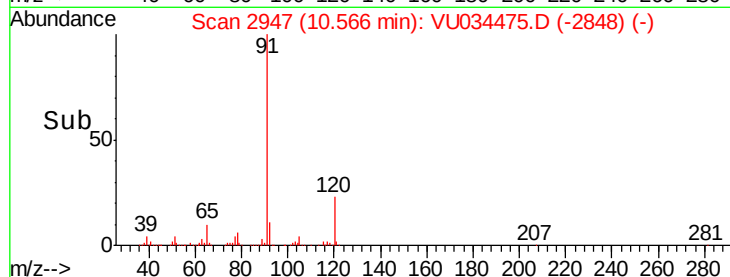
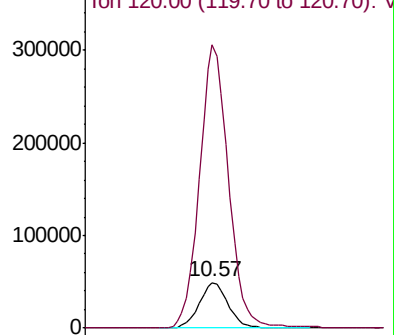
Ion Ratio Lower Upper

105 100

120 621.6 39.8 59.8#



Abundance Ion 105.00 (104.70 to 105.70): V



#89

Naphthalene

Concen: 0.800 ug/l

RT: 13.75 min Scan# 3937

Delta R.T. 0.03 min

Lab File: VU034475.D

Acq: 11 Sep 2019 14:23

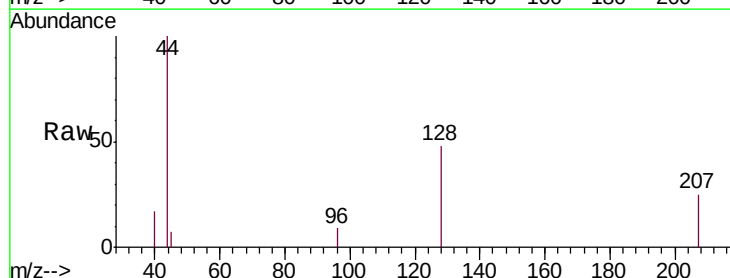
Tgt Ion:128 Resp: 1209

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.2#

129 1.7 8.0 12.0#



Abundance Ion 128.00 (127.70 to 128.70): V

