

Data File : VU033375.D
Acq On : 23 Jul 2019 12:22
Operator : JC/SP
Sample : K3860-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

Quant Time: Jul 24 02:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	32177	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	8925	0.71	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11084	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	

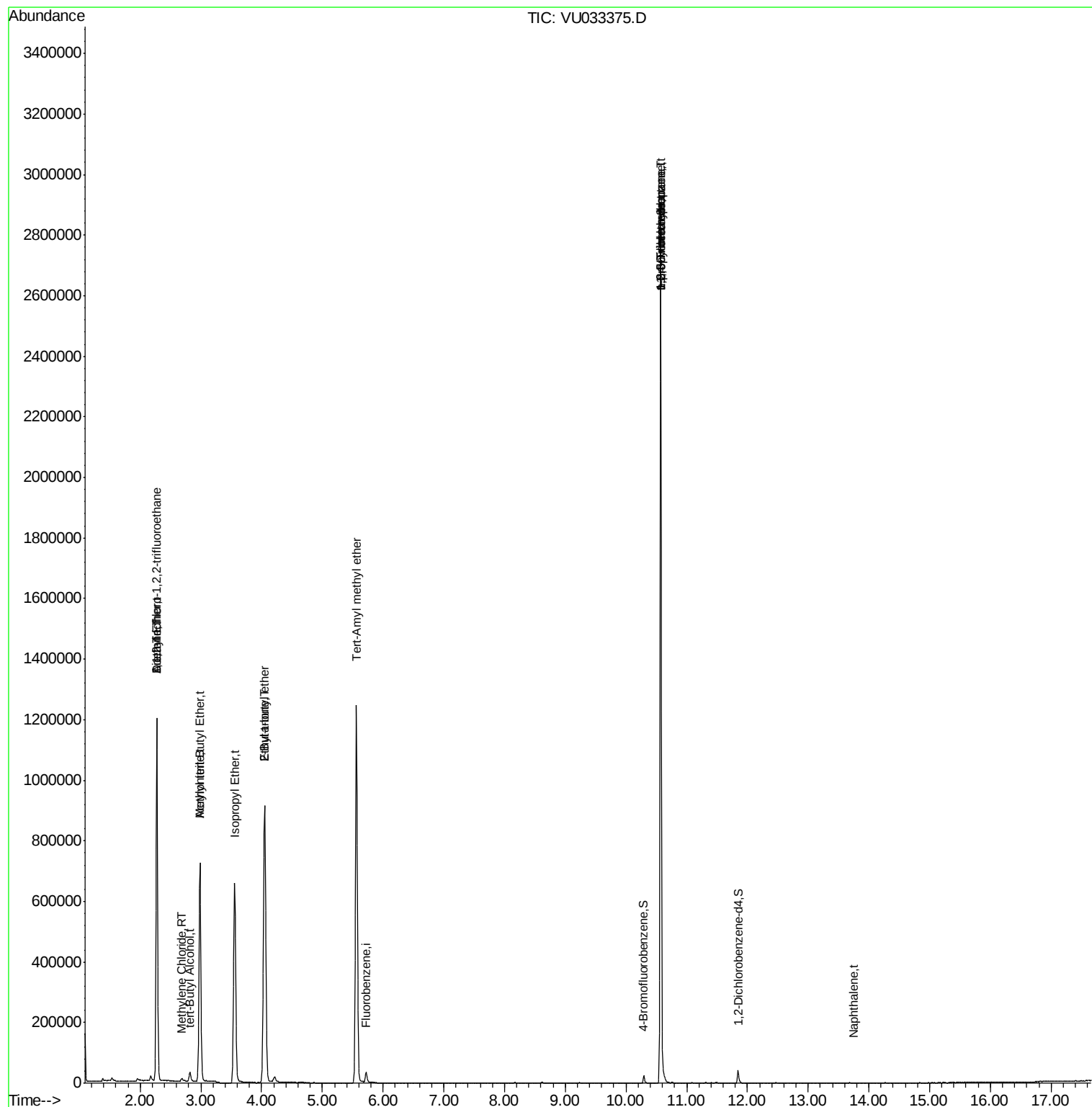
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	448066	38.596	ug/l	99
12) Acrylonitrile	2.99	53	8313	2.605	ug/l #	26
13) Acetone	2.27	43	7013	2.575	ug/l #	82
15) Methylene Chloride	2.68	84	3388	0.220	ug/l	93
18) 2-Butanone	4.05	43	114910	44.212	ug/l #	1
23) Diethyl Ether	2.27	59	4495	0.456	ug/l #	20
24) tert-Butyl Alcohol	2.82	59	27757	18.561	ug/l #	73
25) Methyl tert-Butyl Ether	2.98	73	744540	22.616	ug/l	98
31) Isopropyl Ether	3.56	45	631147	27.403	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	1003005	45.299	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	1051438	52.804	ug/l	99
46) t-1,4-Dichloro-2-butene	10.57	75	13551	5.609	ug/l #	1
71) 1,2,3-Trichloropropane	10.57	75	13551	1.688	ug/l #	1
73) n-propylbenzene	10.57	120	461996	40.714	ug/l	92
75) 1,3,5-Trimethylbenzene	10.57	105	74957	2.097	ug/l #	1
89) Naphthalene	13.74	128	563	0.677	ug/l #	79

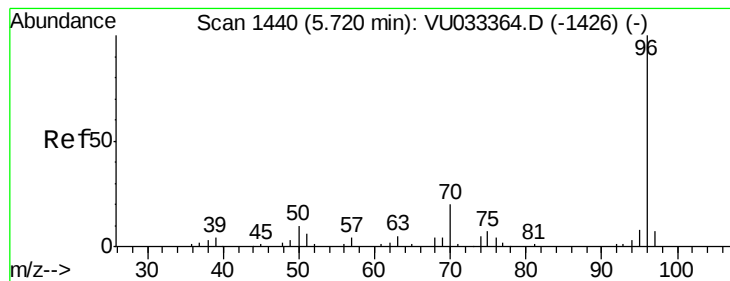
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033375.D
Acq On : 23 Jul 2019 12:22
Operator : JC/SP
Sample : K3860-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

Quant Time: Jul 24 02:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tgt Ion: 96 Resp: 32177

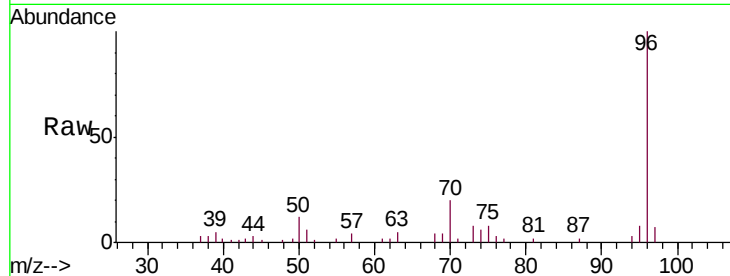
Ion Ratio Lower Upper

96 100

70 21.2 16.4 24.6

95 9.3 6.7 10.1

97 6.2 0.0 0.0#

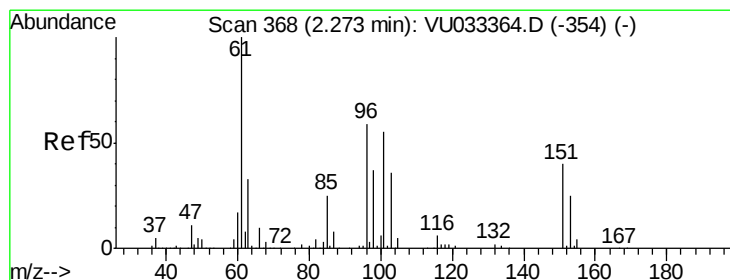
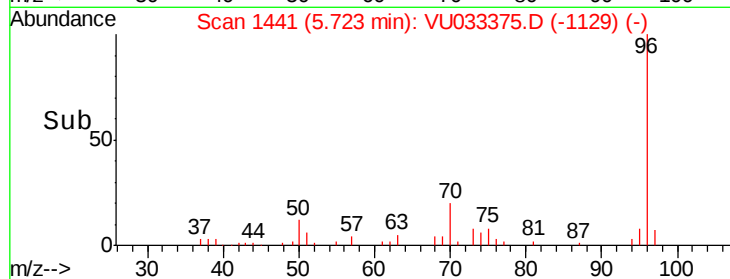
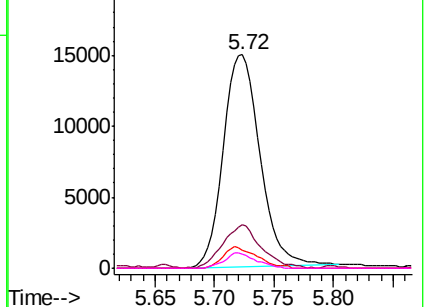


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#8

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

Concen: 38.596 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

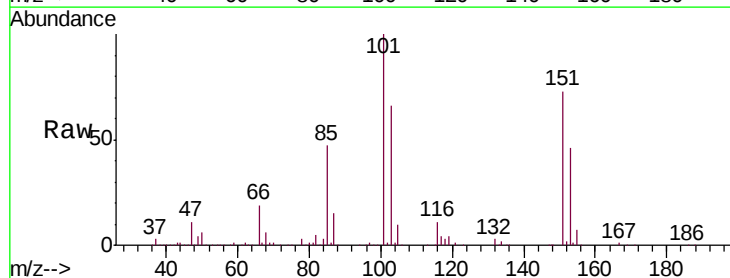
Tgt Ion: 101 Resp: 448066

Ion Ratio Lower Upper

101 100

85 46.0 37.5 56.3

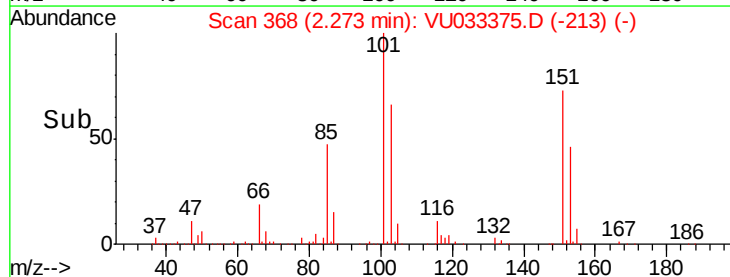
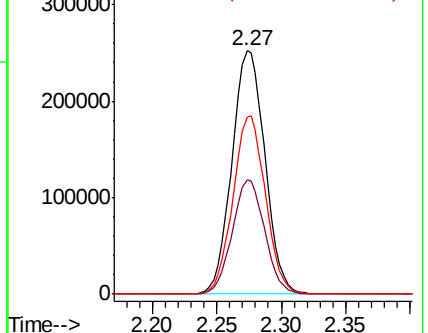
151 72.2 58.3 87.5

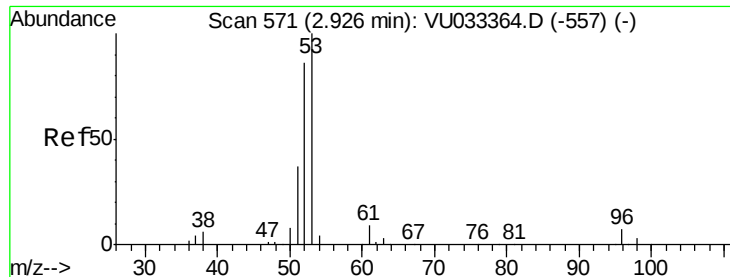


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

Acrylonitrile

Concen: 2.605 ug/l

RT: 2.99 min Scan# 590

Delta R.T. 0.06 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

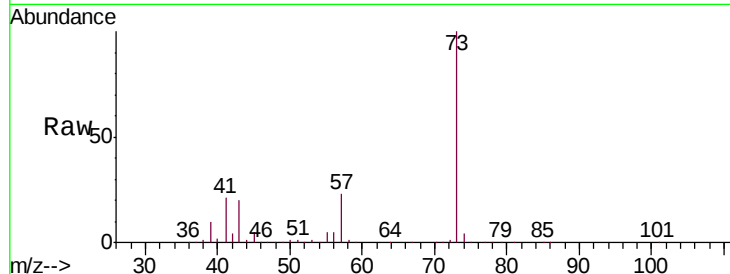
Tgt Ion: 53 Resp: 8313

Ion Ratio Lower Upper

53 100

52 19.7 69.8 104.8#

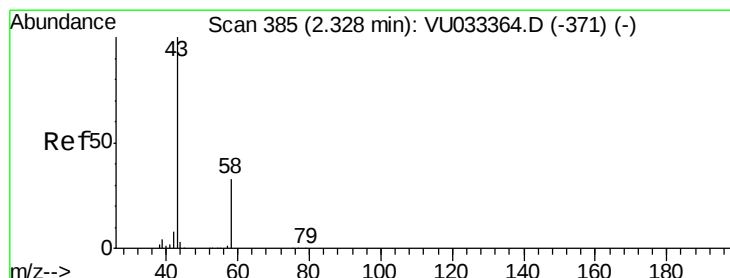
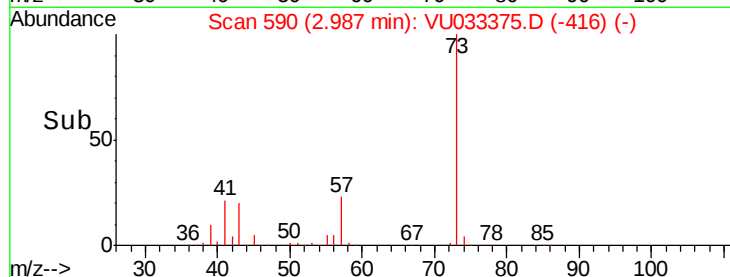
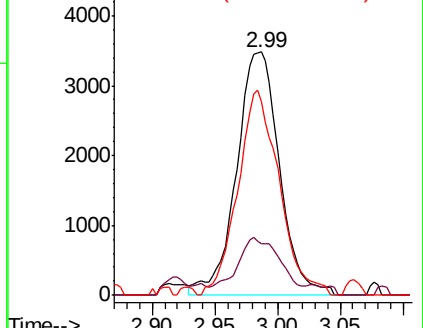
51 81.0 29.1 43.7#



Abundance Ion 53.00 (52.70 to 53.70): VU033375.D (-557) (-)

Ion 52.00 (51.70 to 52.70): VU033375.D (-557) (-)

Ion 51.00 (50.70 to 51.70): VU033375.D (-557) (-)



#13

Acetone

Concen: 2.575 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.05 min

Lab File: VU033375.D

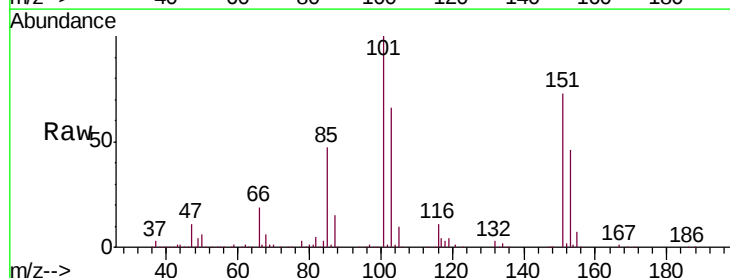
Acq: 23 Jul 2019 12:22

Tgt Ion: 43 Resp: 7013

Ion Ratio Lower Upper

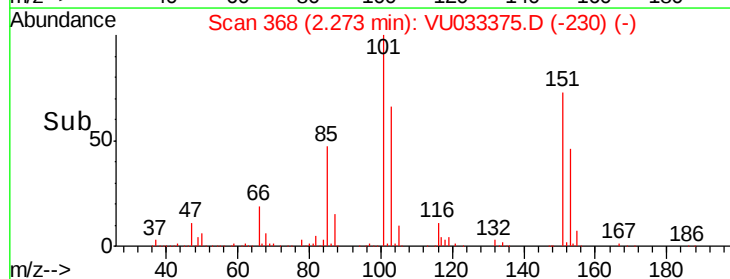
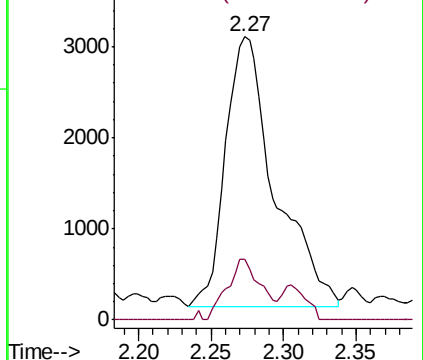
43 100

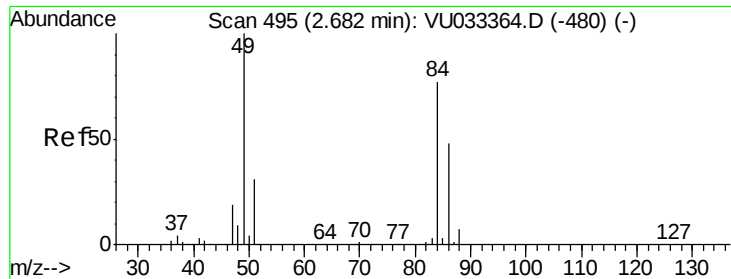
58 22.6 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VU033375.D (-230) (-)

Ion 58.00 (57.70 to 58.70): VU033375.D (-230) (-)

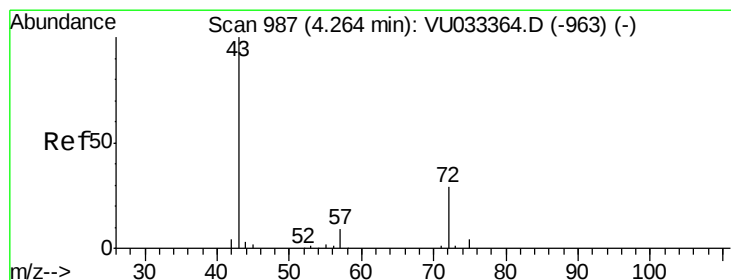
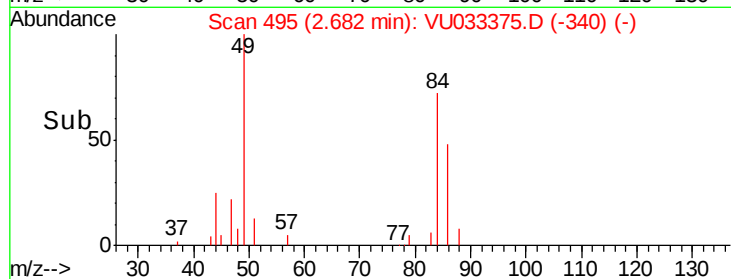
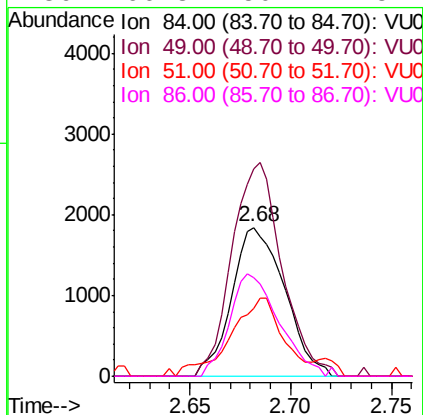
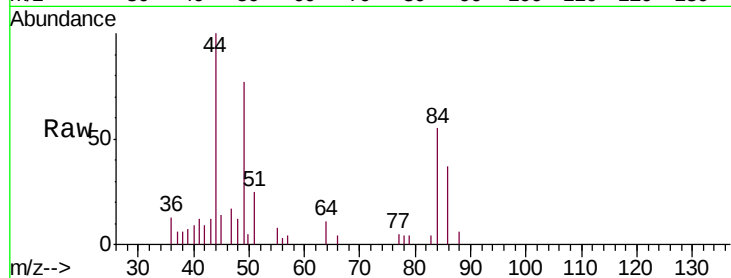




#15
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

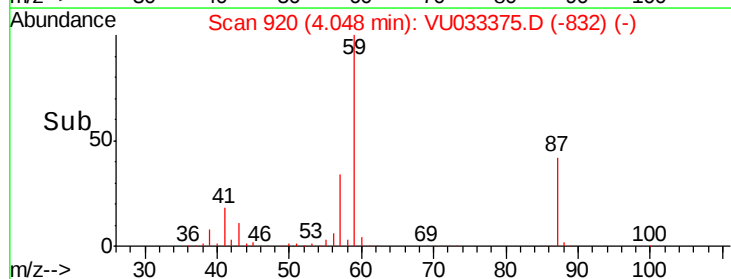
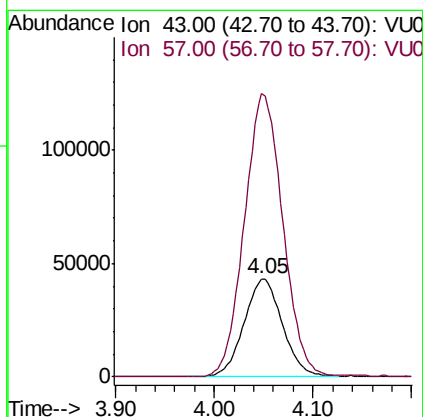
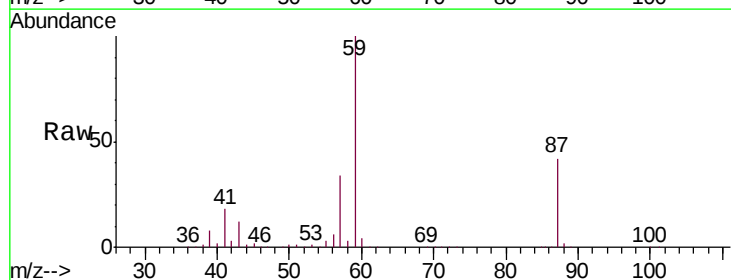
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

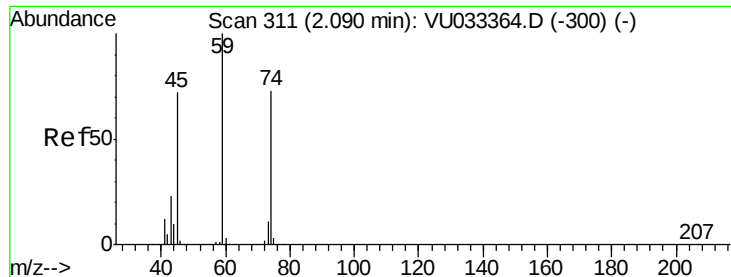
Tgt Ion: 84 Resp: 3388
Ion Ratio Lower Upper
84 100
49 139.4 103.5 155.3
51 38.1 0.0 80.4
86 66.3 50.1 75.1



#18
2-Butanone
Concen: 44.212 ug/l
RT: 4.05 min Scan# 920
Delta R.T. -0.22 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Tgt Ion: 43 Resp: 114910
Ion Ratio Lower Upper
43 100
57 291.1 0.0 17.0#

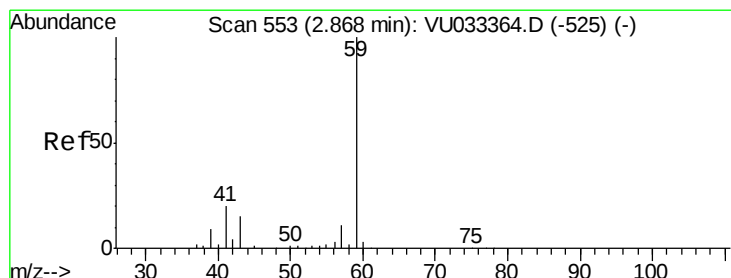
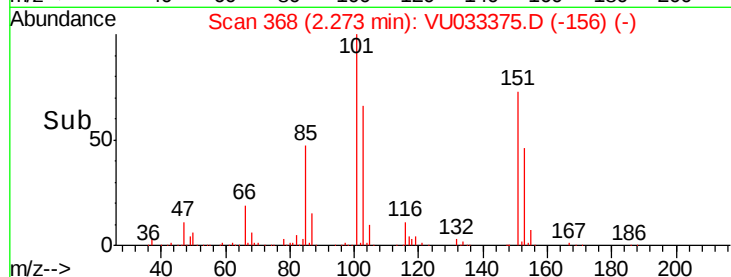
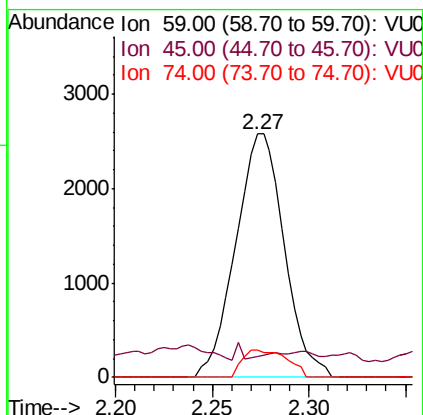
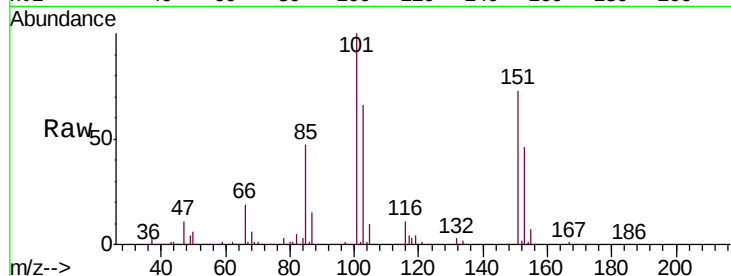




#23
Diethyl Ether
Concen: 0.456 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.18 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

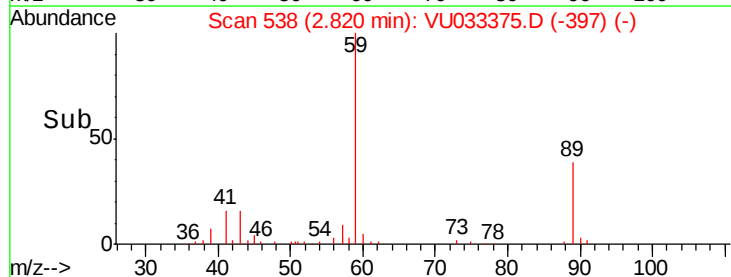
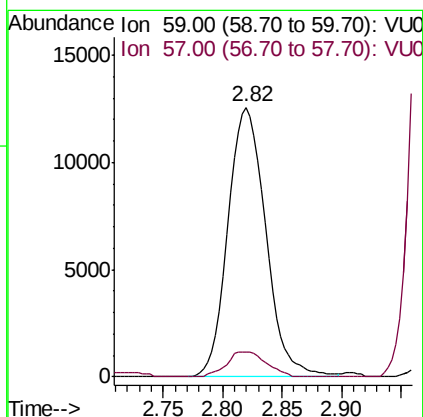
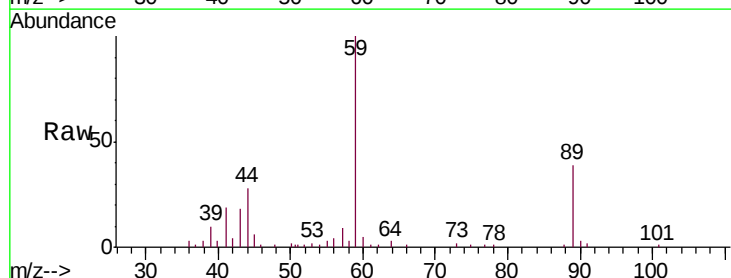
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

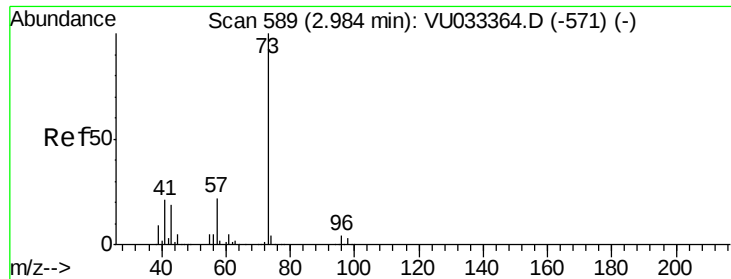
Tgt Ion: 59 Resp: 4495
Ion Ratio Lower Upper
59 100
45 0.9 57.6 86.4#
74 10.3 57.8 86.6#



#24
tert-Butyl Alcohol
Concen: 18.561 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Tgt Ion: 59 Resp: 27757
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#25

Methyl tert-Butyl Ether

Concen: 22.616 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

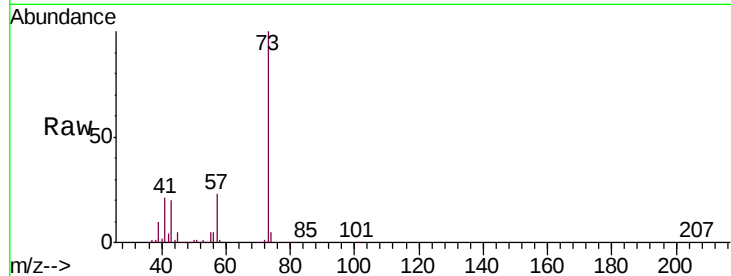
PT-ADD-WS

Tgt Ion: 73 Resp: 744540

Ion Ratio Lower Upper

73 100

43 19.9 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)

2.98

300000

200000

100000

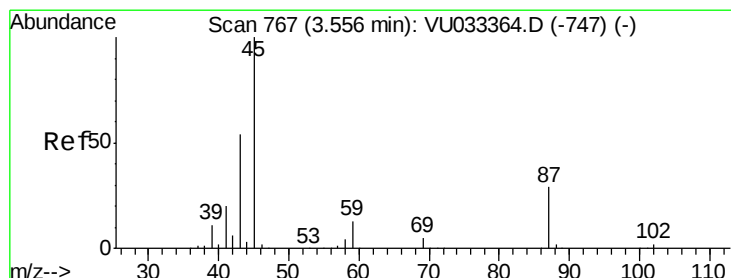
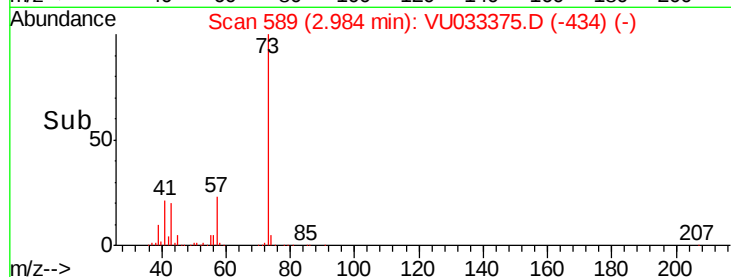
0

Time-->

2.90

3.00

3.10



#31

Isopropyl Ether

Concen: 27.403 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033375.D

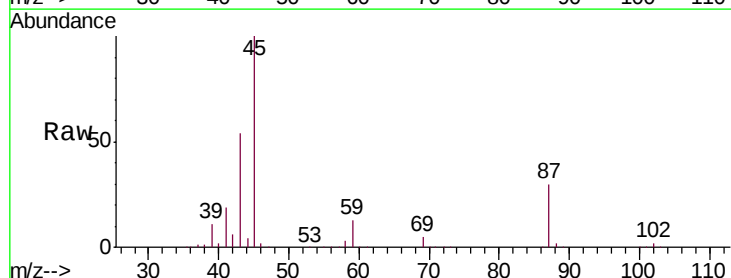
Acq: 23 Jul 2019 12:22

Tgt Ion: 45 Resp: 631147

Ion Ratio Lower Upper

45 100

43 54.3 27.8 83.3



Abundance Ion 45.00 (44.70 to 45.70): VU033364.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-747) (-)

3.56

300000

250000

200000

150000

100000

50000

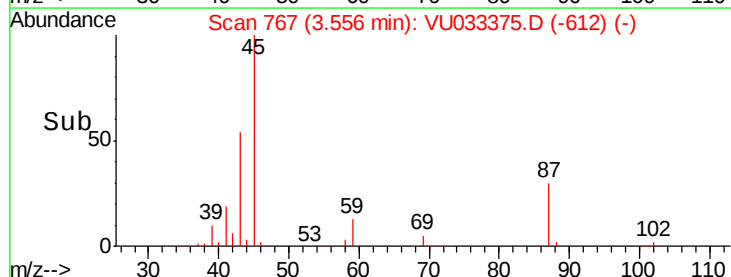
0

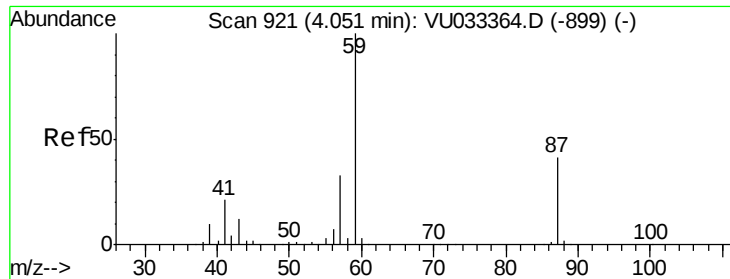
Time-->

3.50

3.60

3.70

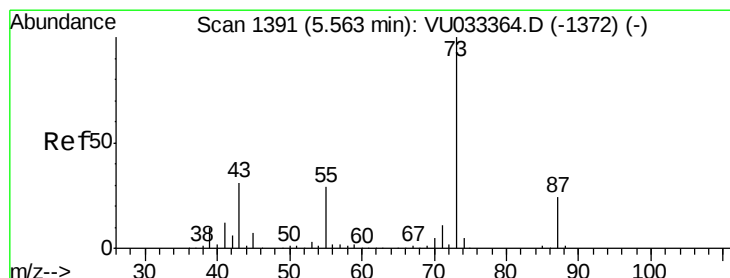
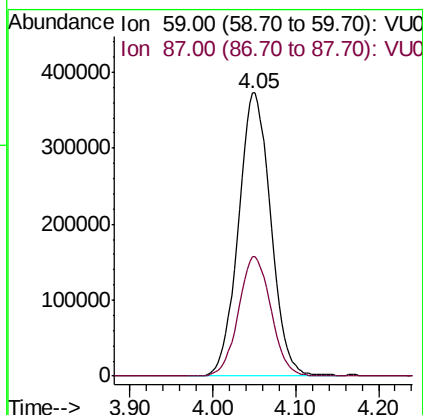
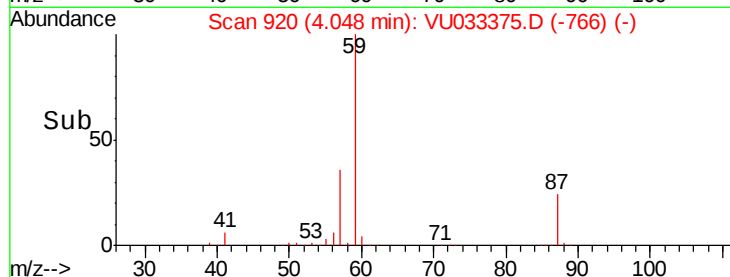
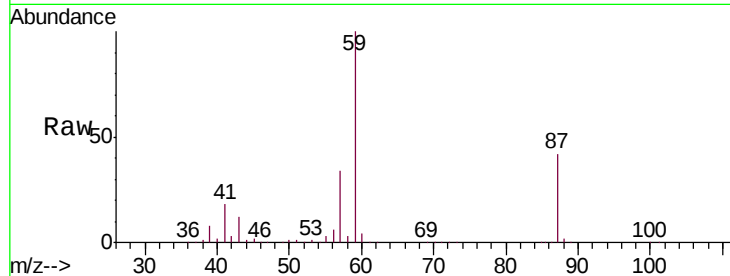




#32
Ethyl-t-butyl ether
Concen: 45.299 ug/l
RT: 4.05 min Scan# 920
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

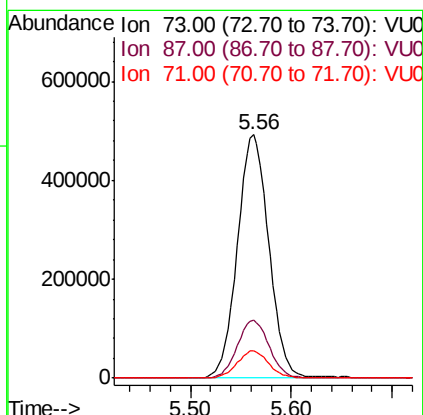
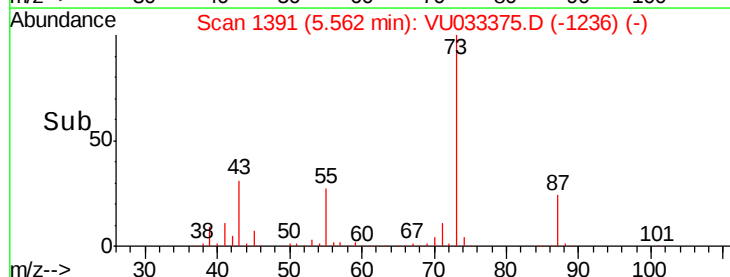
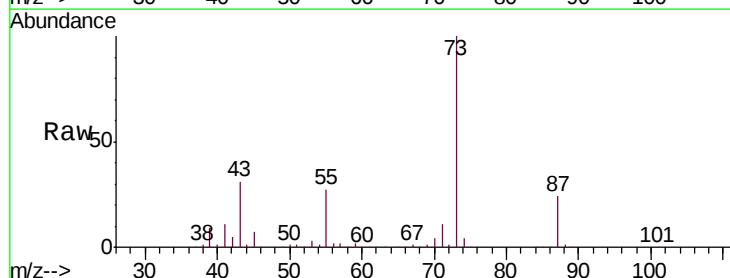
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

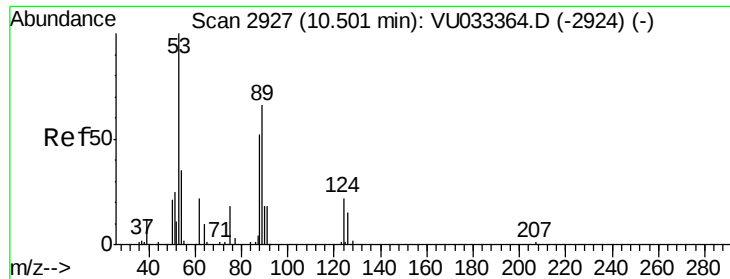
Tgt Ion: 59 Resp: 1003005
Ion Ratio Lower Upper
59 100
87 42.5 33.8 50.6



#33
Tert-Amyl methyl ether
Concen: 52.804 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Tgt Ion: 73 Resp: 1051438
Ion Ratio Lower Upper
73 100
87 24.2 18.9 28.3
71 11.3 9.3 13.9

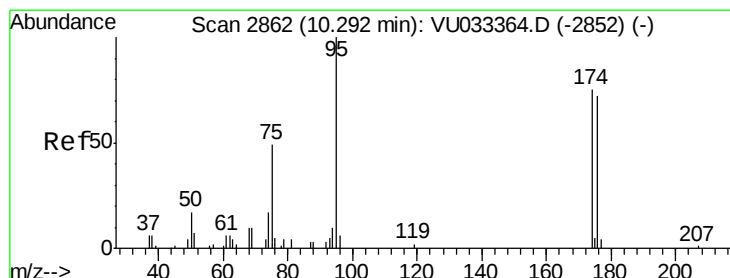
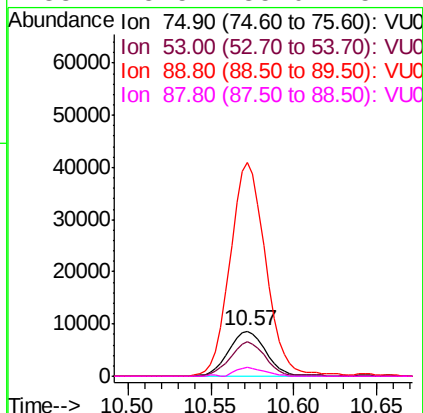
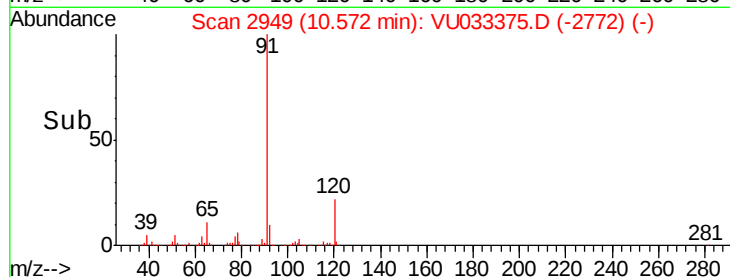
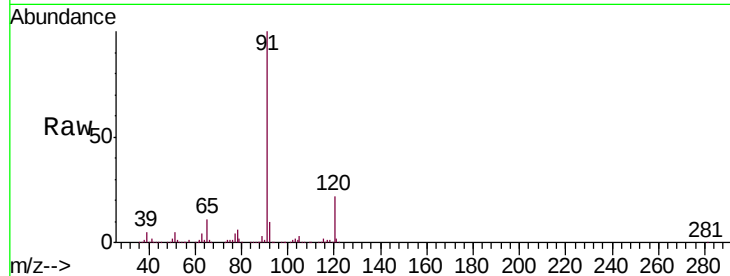




#46
 t-1,4-Dichloro-2-butene
 Concen: 5.609 ug/l
 RT: 10.57 min Scan# 2949
 Delta R.T. 0.07 min
 Lab File: VU033375.D
 Acq: 23 Jul 2019 12:22

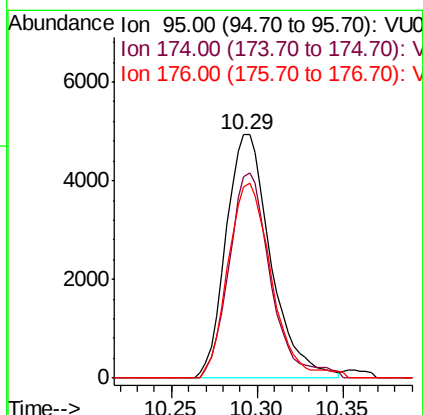
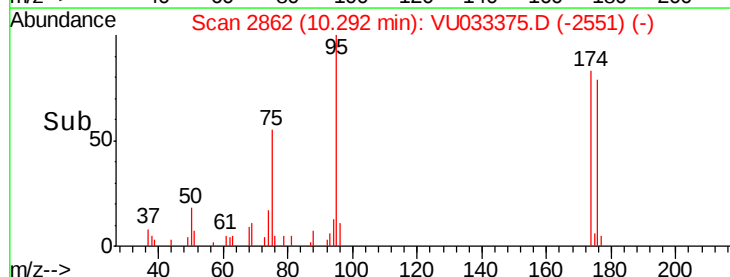
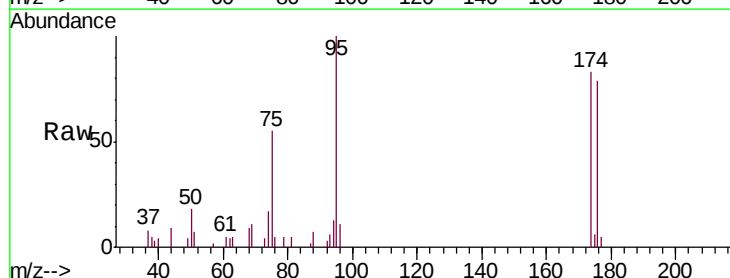
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WS

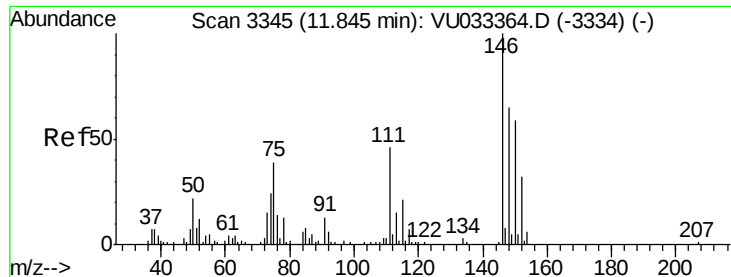
Tgt Ion: 75 Resp: 13551
 Ion Ratio Lower Upper
 75 100
 53 72.3 62.9 94.3
 89 452.9 43.0 64.4#
 88 15.5 35.0 52.4#



#57
 4-Bromofluorobenzene
 Concen: 0.707 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VU033375.D
 Acq: 23 Jul 2019 12:22

Tgt Ion: 95 Resp: 8925
 Ion Ratio Lower Upper
 95 100
 174 78.4 58.8 88.2
 176 78.3 54.4 81.6





#68

1,2-Dichlorobenzene-d4

Concen: 0.850 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

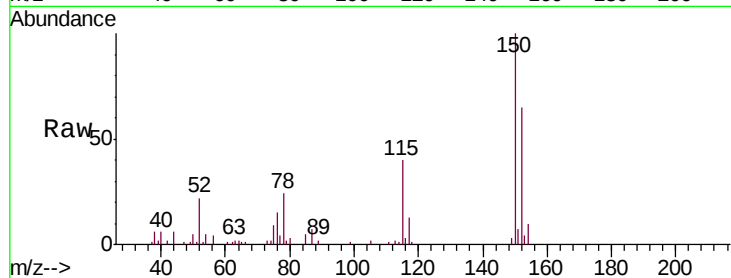
Tgt Ion:152 Resp: 11084

Ion Ratio Lower Upper

152 100

115 62.7 0.0 123.2

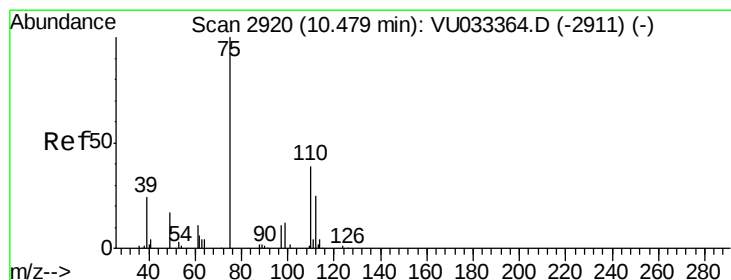
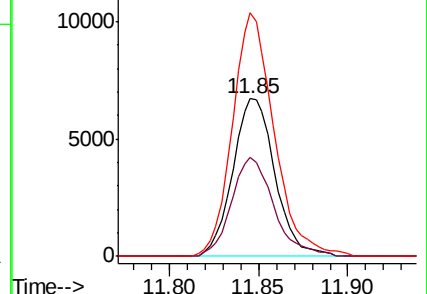
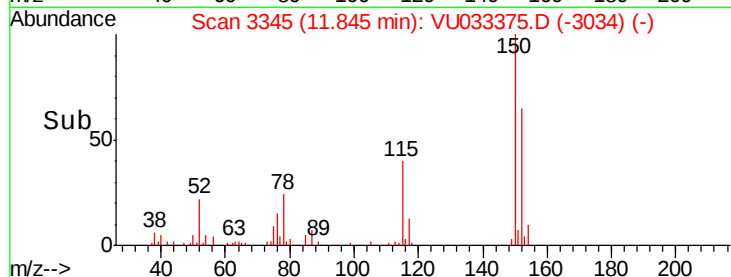
150 152.6 0.0 648.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#71

1,2,3-Trichloropropane

Concen: 1.688 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.09 min

Lab File: VU033375.D

Acq: 23 Jul 2019 12:22

Tgt Ion: 75 Resp: 13551

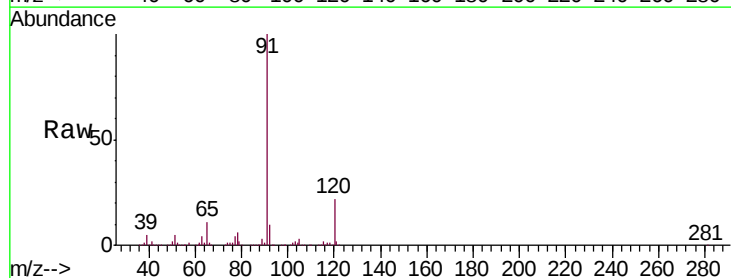
Ion Ratio Lower Upper

75 100

77 668.4 0.0 18.2#

110 2.1 0.0 71.4

97 0.7 0.0 37.8

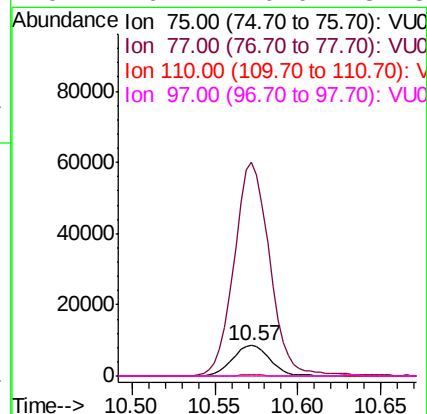
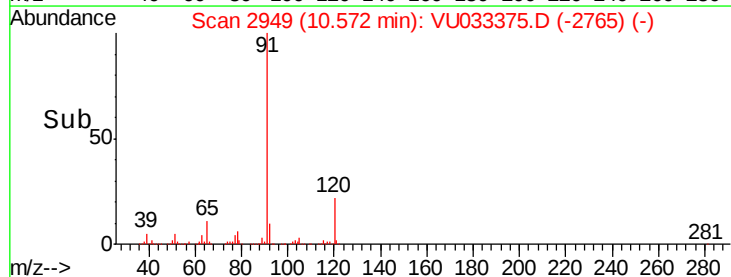


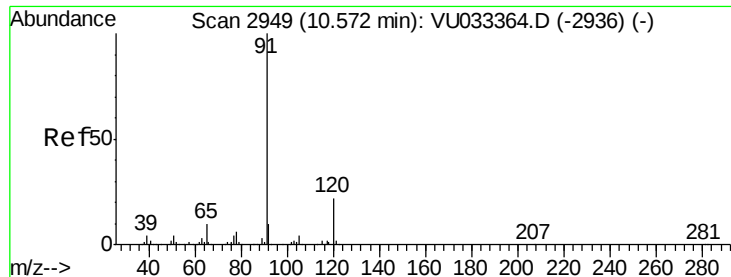
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0

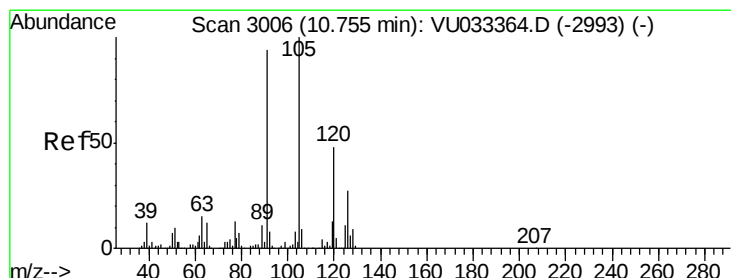
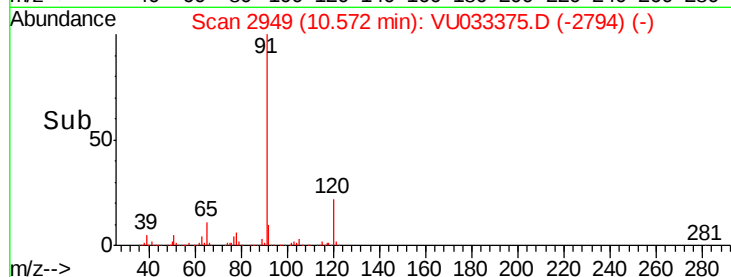
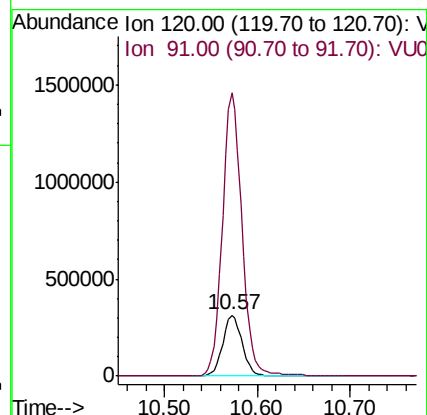
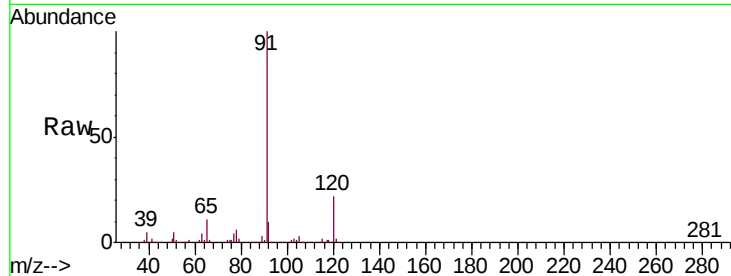




#73
n-propylbenzene
Concen: 40.714 ug/l
RT: 10.57 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

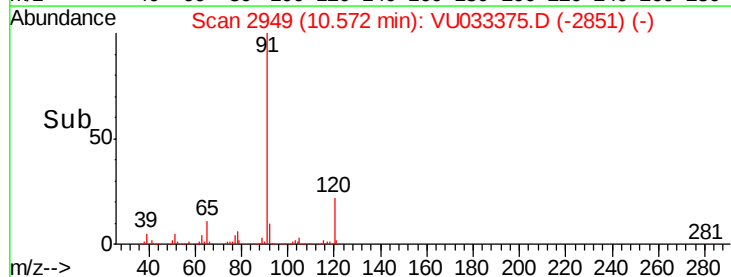
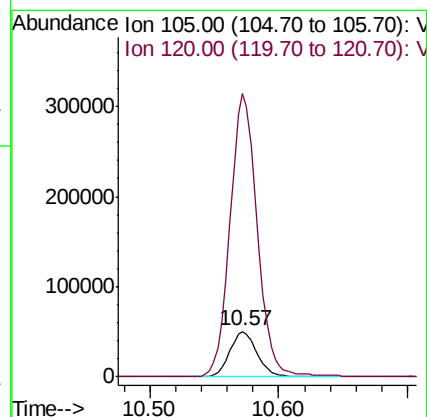
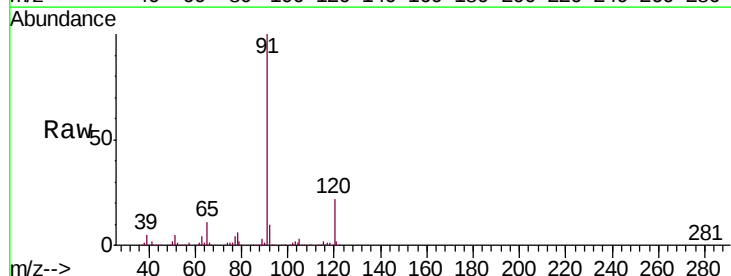
Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

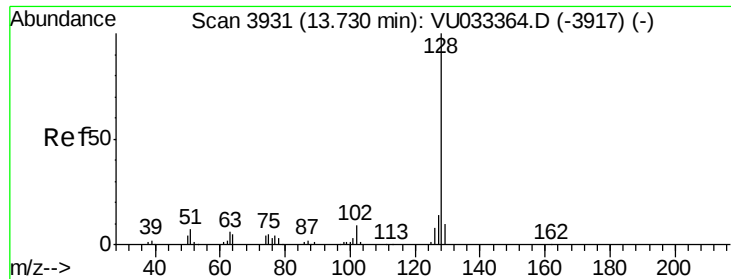
Tgt Ion:120 Resp: 461996
Ion Ratio Lower Upper
120 100
91 463.5 355.1 532.7



#75
1,3,5-Trimethylbenzene
Concen: 2.097 ug/l
RT: 10.57 min Scan# 2949
Delta R.T. -0.18 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Tgt Ion:105 Resp: 74957
Ion Ratio Lower Upper
105 100
120 616.3 38.2 57.4#





#89

Naphthalene

Concen: 0.677 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VU033375.D

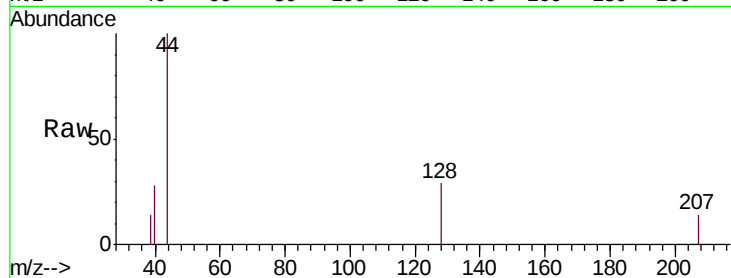
Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS



Tgt Ion:128 Resp: 563

Ion Ratio Lower Upper

128 100

127 7.5 10.8 16.2#

129 0.0 8.5 12.7#

