

Data File : VU033381.D
Acq On : 23 Jul 2019 15:04
Operator : JC/SP
Sample : K3860-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

Quant Time: Jul 24 02:29:01 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	29667	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	8238	0.71	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10016	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	

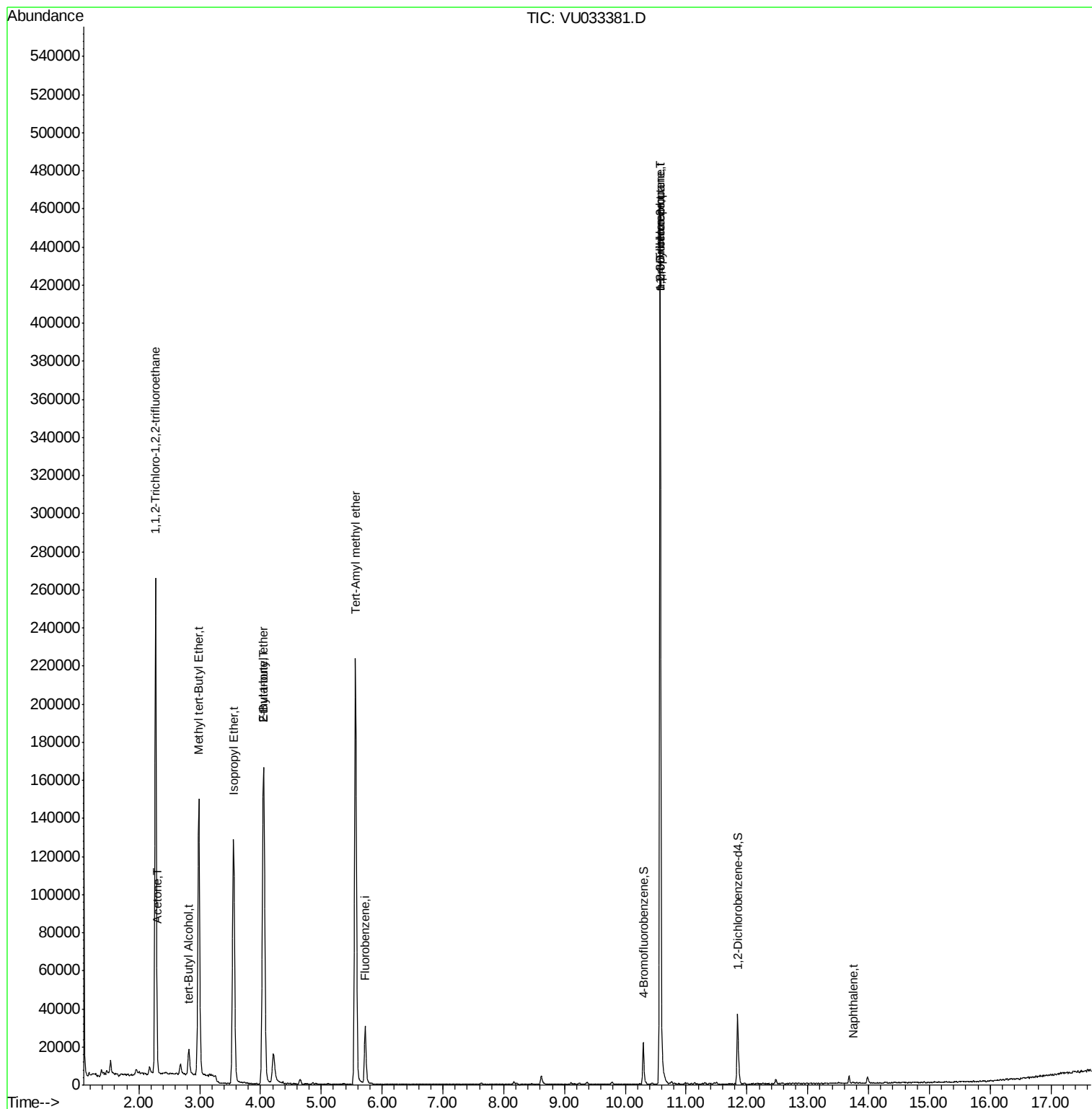
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	98158	9.171	ug/l	98
13) Acetone	2.31	43	1005	0.400	ug/l #	46
18) 2-Butanone	4.05	43	23349	9.744	ug/l #	1
24) tert-Butyl Alcohol	2.82	59	9911	3.631	ug/l #	73
25) Methyl tert-Butyl Ether	2.98	73	149779	4.935	ug/l	98
31) Isopropyl Ether	3.56	45	119531	5.629	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	178520	8.745	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	181815	9.903	ug/l	100
46) t-1,4-Dichloro-2-butene	10.57	75	2736	1.228	ug/l #	1
71) 1,2,3-Trichloropropane	10.57	75	2736	0.370	ug/l #	1
73) n-propylbenzene	10.57	120	73965	7.070	ug/l	91
89) Naphthalene	13.74	128	989	0.694	ug/l #	69

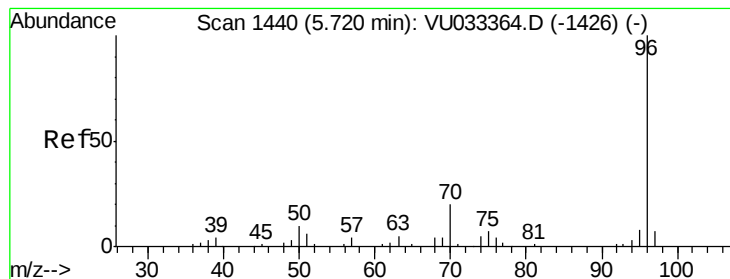
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

Tgt Ion: 96 Resp: 29667

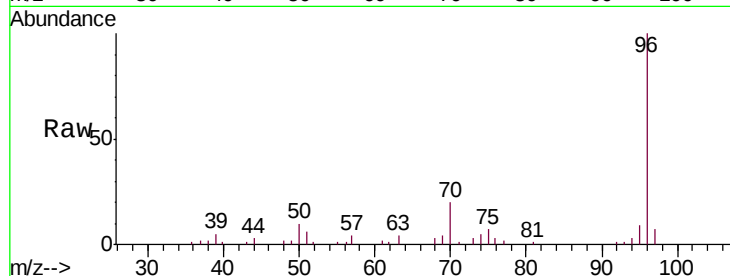
Ion Ratio Lower Upper

96 100

70 19.3 16.4 24.6

95 9.2 6.7 10.1

97 6.2 0.0 0.0#

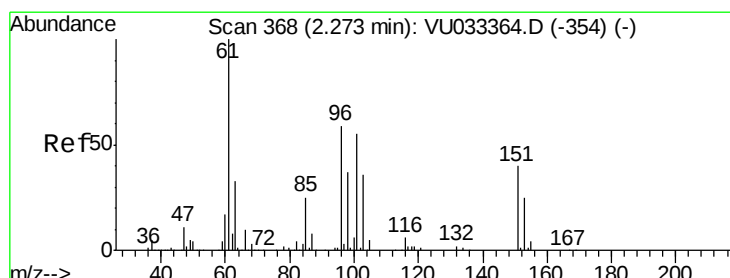
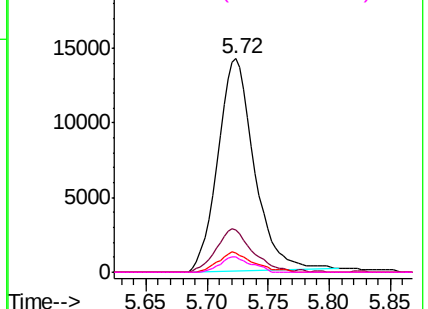
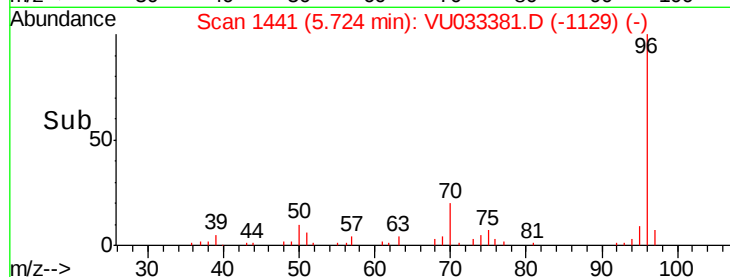


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 9.171 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033381.D

Acq: 23 Jul 2019 15:04

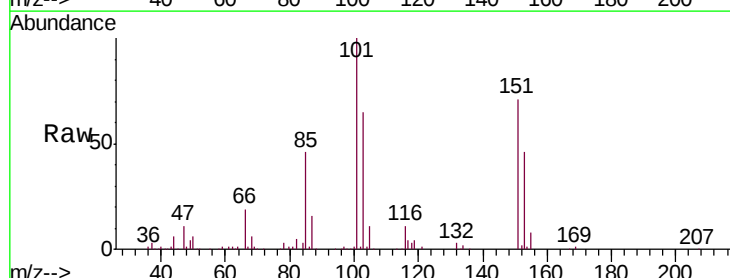
Tgt Ion: 101 Resp: 98158

Ion Ratio Lower Upper

101 100

85 45.1 37.5 56.3

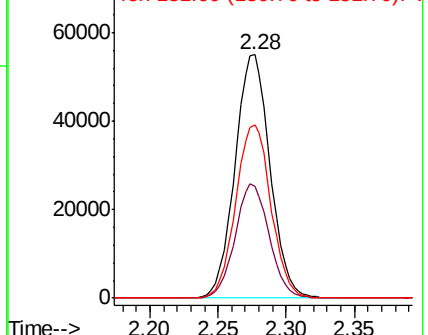
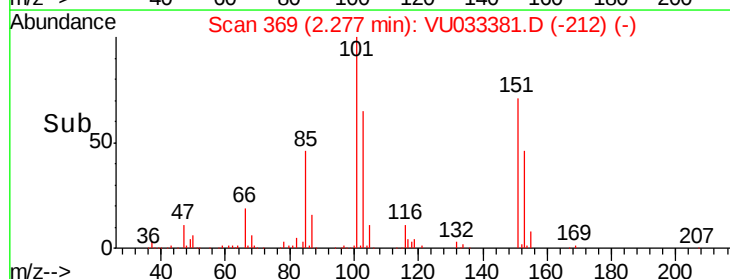
151 71.3 58.3 87.5

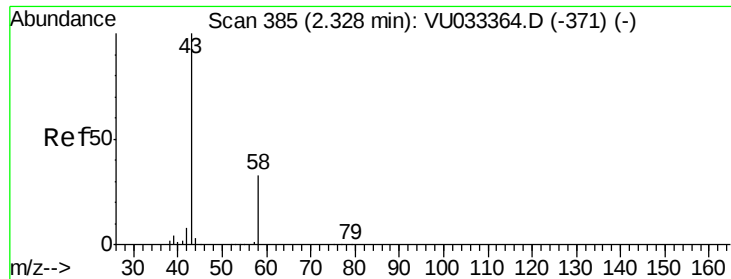


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.400 ug/l

RT: 2.31 min Scan# 378

Delta R.T. -0.02 min

Lab File: VU033381.D

Acq: 23 Jul 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

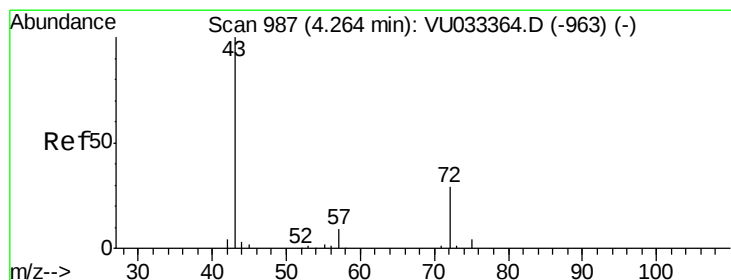
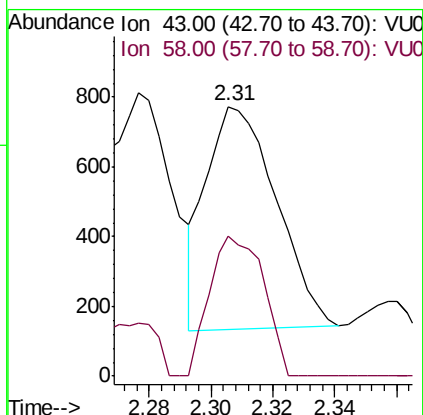
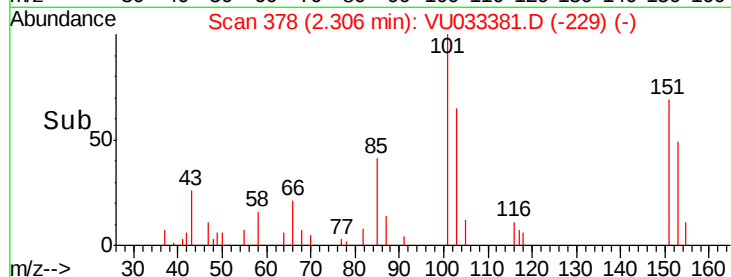
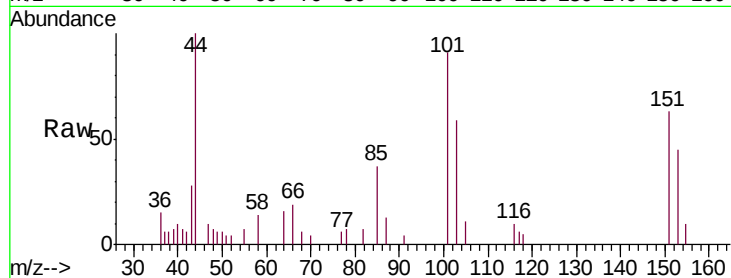
PT-ADD-WSDL

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

58 63.5 26.3 39.5#



#18

2-Butanone

Concen: 9.744 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.21 min

Lab File: VU033381.D

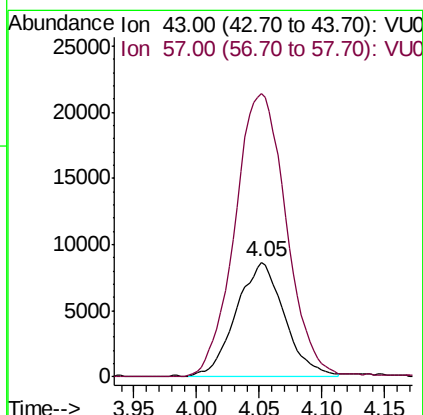
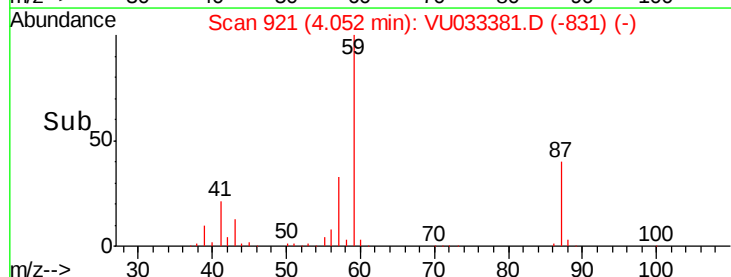
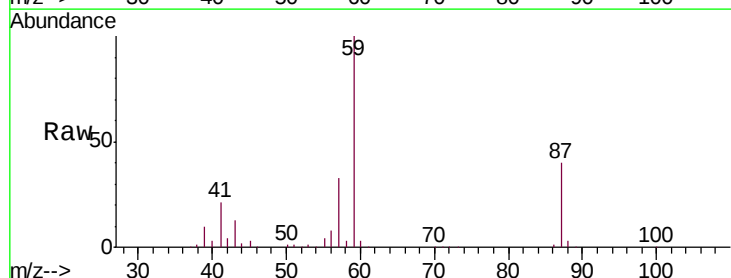
Acq: 23 Jul 2019 15:04

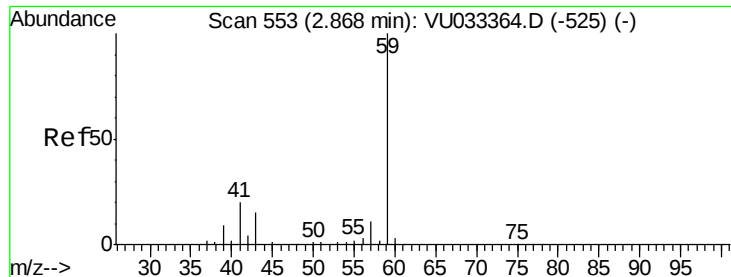
Tgt Ion: 43 Resp: 23349

Ion Ratio Lower Upper

43 100

57 245.6 0.0 17.0#



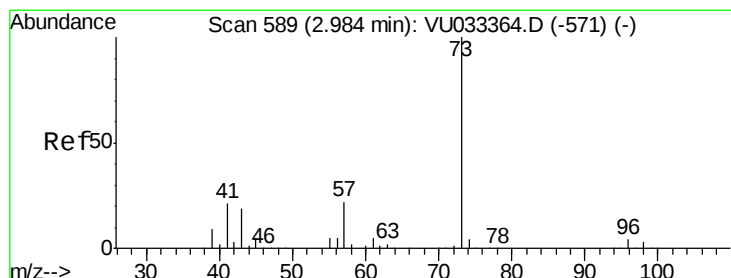
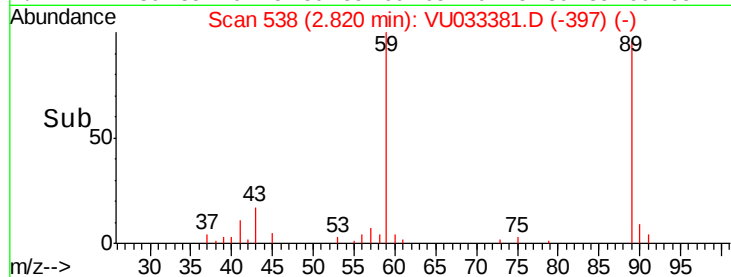
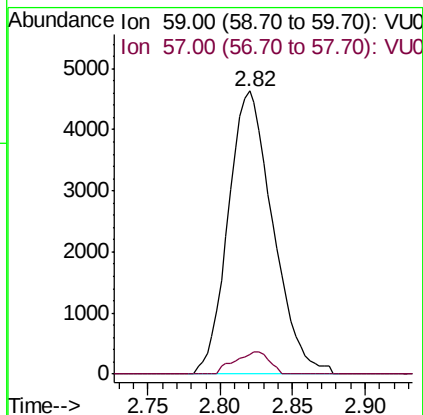
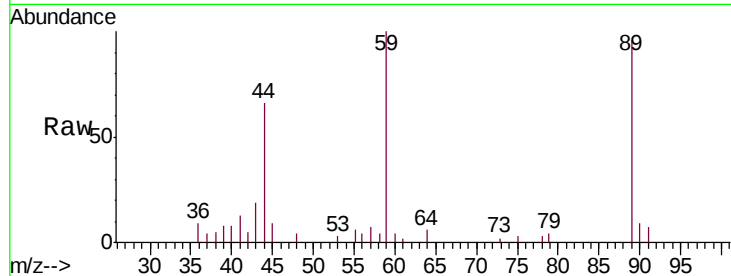


#24

tert-Butyl Alcohol
 Concen: 3.631 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. -0.05 min
 Lab File: VU033381.D
 Acq: 23 Jul 2019 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

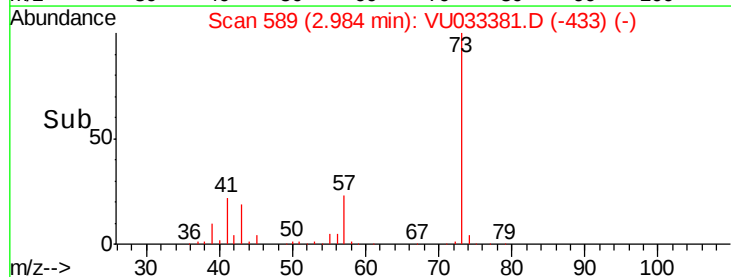
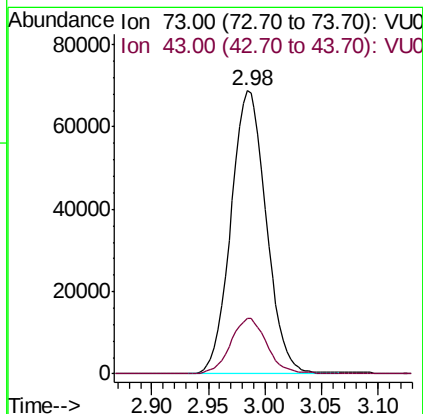
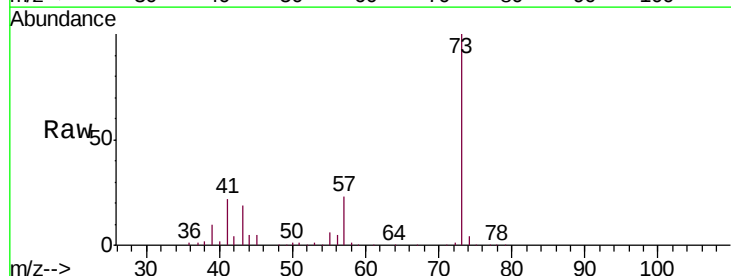
Tgt Ion: 59 Resp: 9911
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

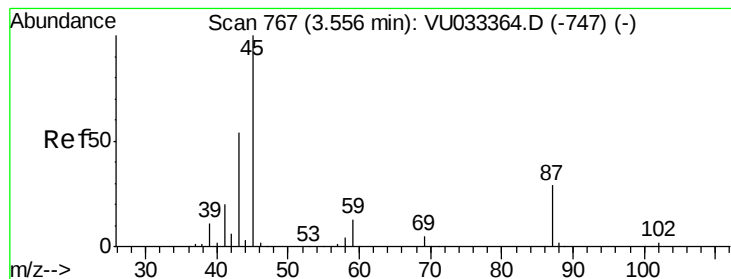


#25

Methyl tert-Butyl Ether
 Concen: 4.935 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU033381.D
 Acq: 23 Jul 2019 15:04

Tgt Ion: 73 Resp: 149779
 Ion Ratio Lower Upper
 73 100
 43 19.6 16.6 24.8





#31

Isopropyl Ether

Concen: 5.629 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033381.D

Acq: 23 Jul 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

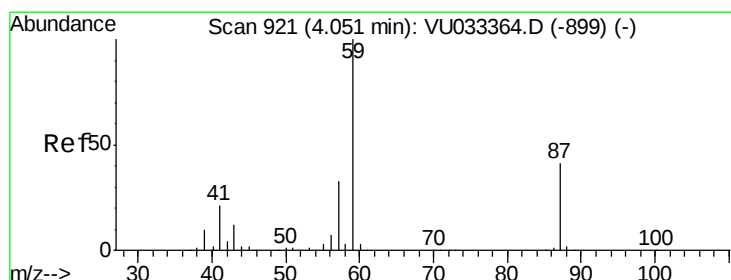
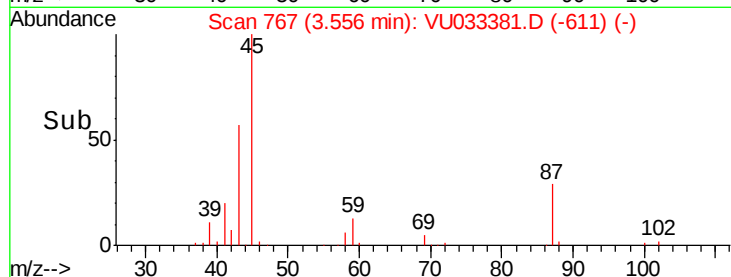
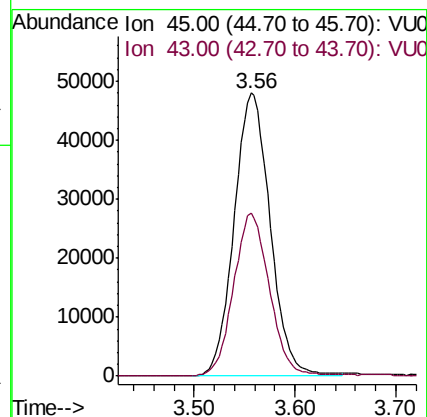
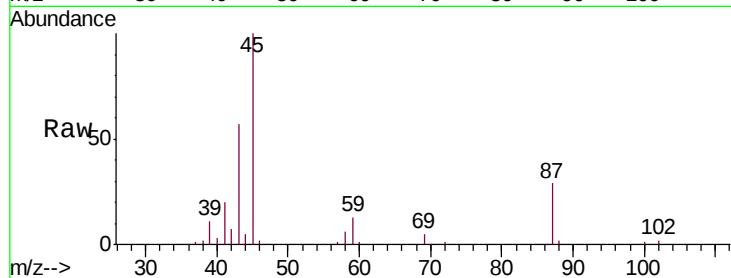
PT-ADD-WSDL

Tgt Ion: 45 Resp: 119531

Ion Ratio Lower Upper

45 100

43 57.1 27.8 83.3



#32

Ethyl-t-butyl ether

Concen: 8.745 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU033381.D

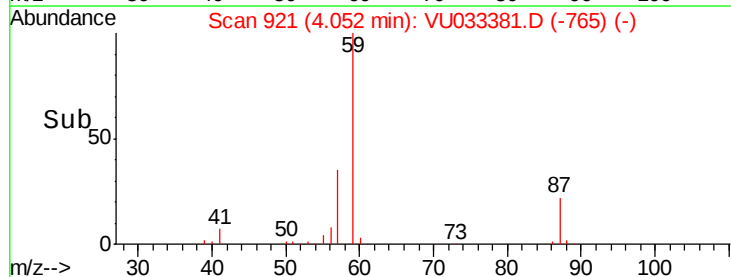
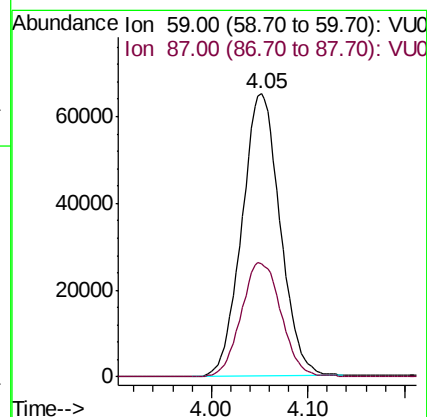
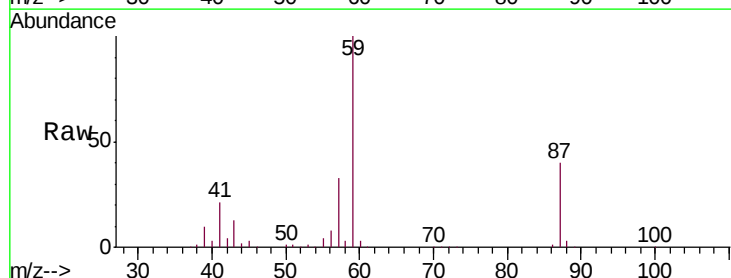
Acq: 23 Jul 2019 15:04

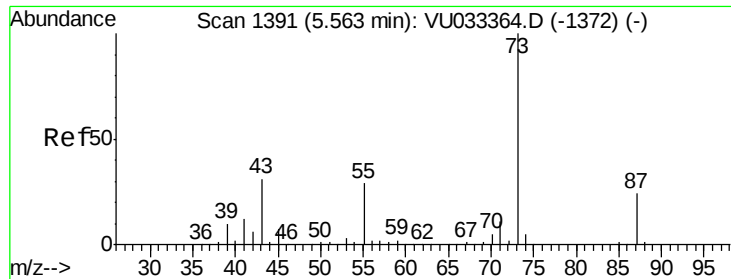
Tgt Ion: 59 Resp: 178520

Ion Ratio Lower Upper

59 100

87 42.2 33.8 50.6

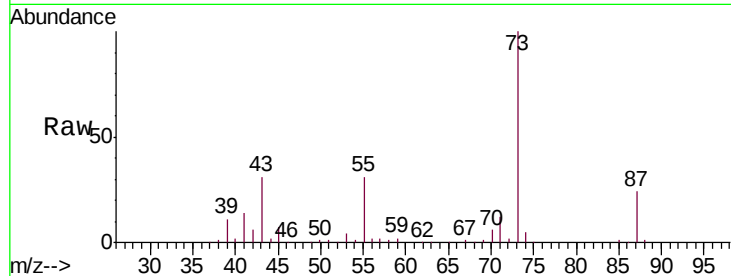




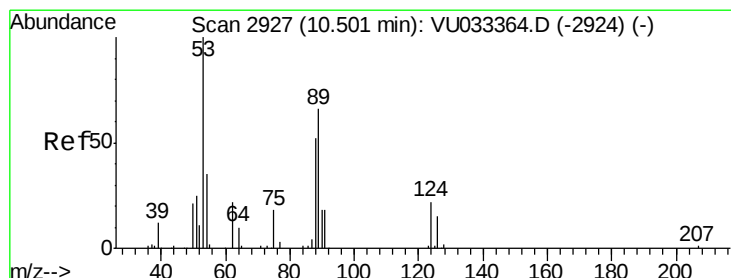
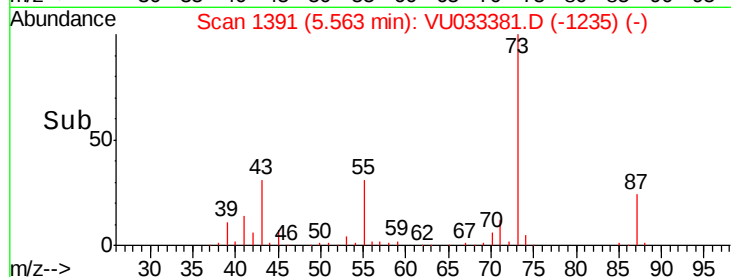
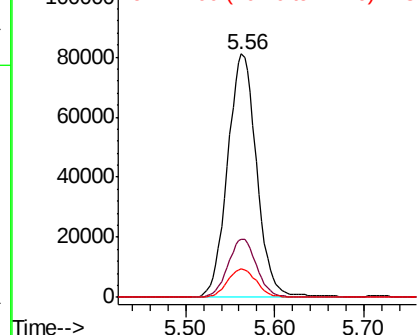
#33
Tert-Amyl methyl ether
Concen: 9.903 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033381.D
Acq: 23 Jul 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

Tgt Ion: 73 Resp: 181815
Ion Ratio Lower Upper
73 100
87 23.4 18.9 28.3
71 11.8 9.3 13.9

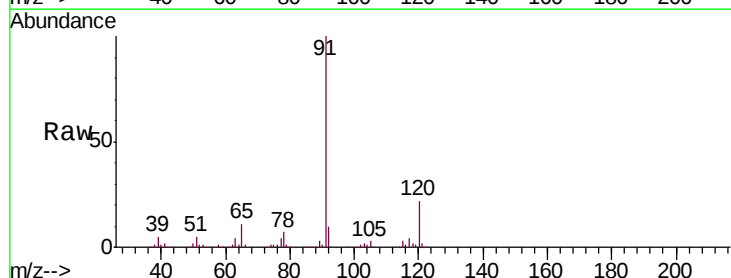


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

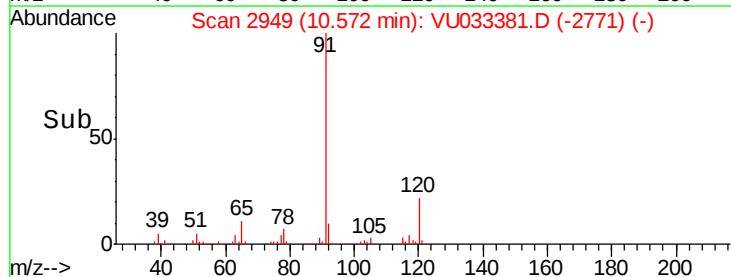
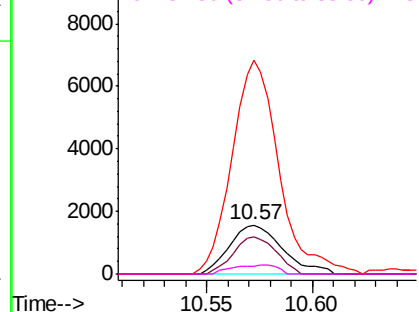


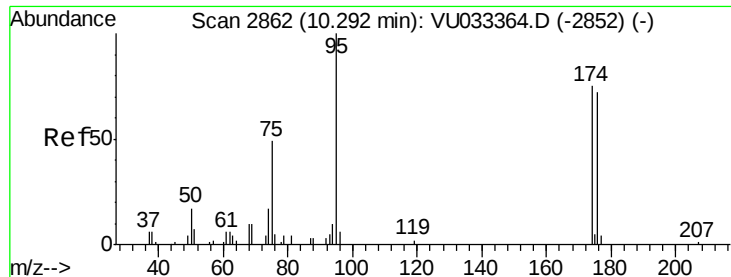
#46
t-1,4-Dichloro-2-butene
Concen: 1.228 ug/l
RT: 10.57 min Scan# 2949
Delta R.T. 0.07 min
Lab File: VU033381.D
Acq: 23 Jul 2019 15:04

Tgt Ion: 75 Resp: 2736
Ion Ratio Lower Upper
75 100
53 60.3 62.9 94.3#
89 385.6 43.0 64.4#
88 15.8 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

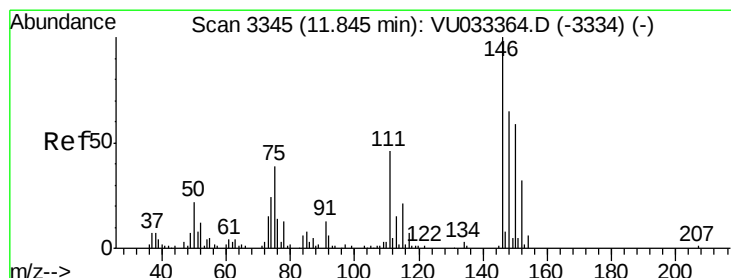
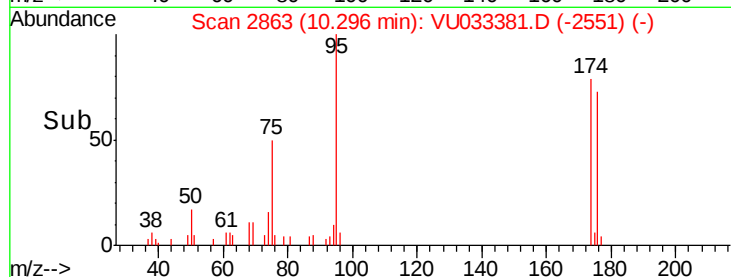
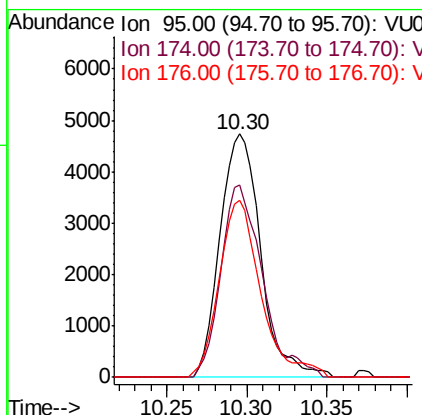
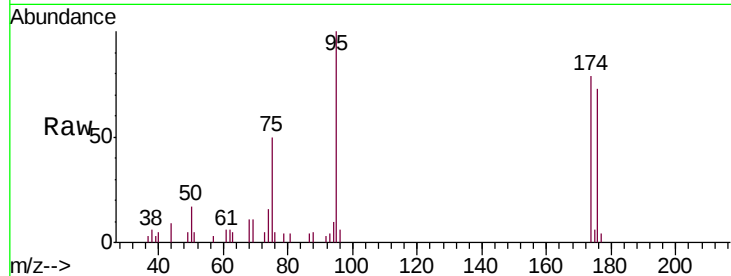




#57
4-Bromofluorobenzene
Concen: 0.708 ug/l
RT: 10.30 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU033381.D
Acq: 23 Jul 2019 15:04

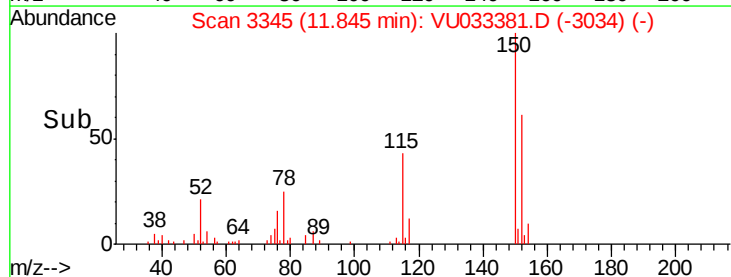
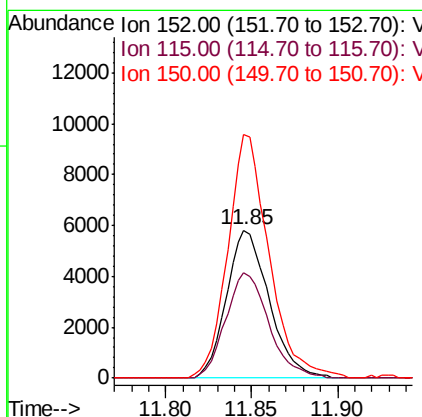
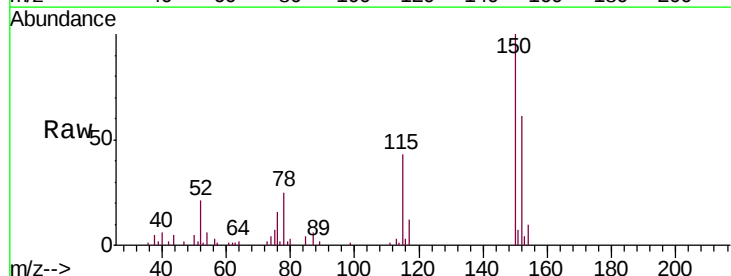
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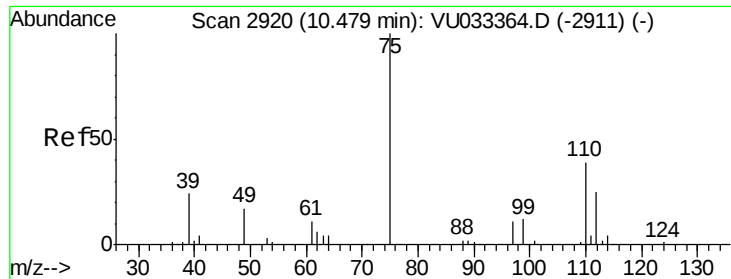
Tgt Ion: 95 Resp: 8238
Ion Ratio Lower Upper
95 100
174 80.6 58.8 88.2
176 74.5 54.4 81.6



#68
1,2-Dichlorobenzene-d4
Concen: 0.833 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VU033381.D
Acq: 23 Jul 2019 15:04

Tgt Ion: 152 Resp: 10016
Ion Ratio Lower Upper
152 100
115 72.2 0.0 123.2
150 159.5 0.0 648.4

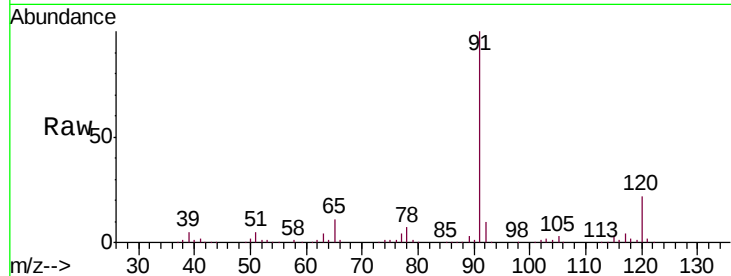




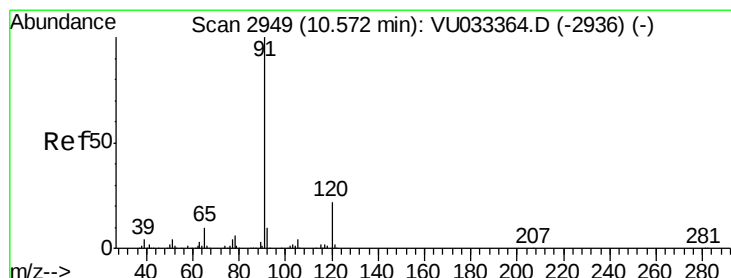
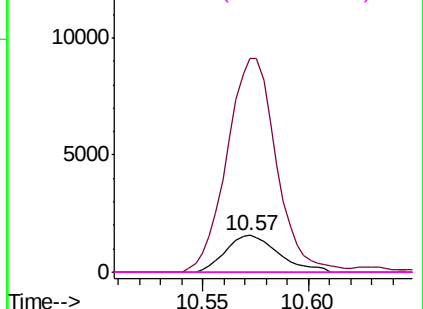
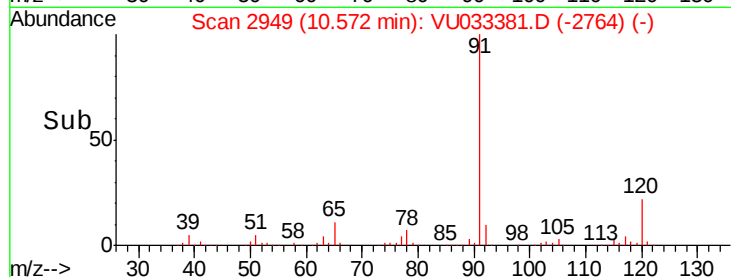
#71
 1,2,3-Trichloropropane
 Concen: 0.370 ug/l
 RT: 10.57 min Scan# 2949
 Delta R.T. 0.09 min
 Lab File: VU033381.D
 Acq: 23 Jul 2019 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion: 75 Resp: 2736
 Ion Ratio Lower Upper
 75 100
 77 542.7 0.0 18.2#
 110 0.0 0.0 71.4
 97 0.0 0.0 37.8

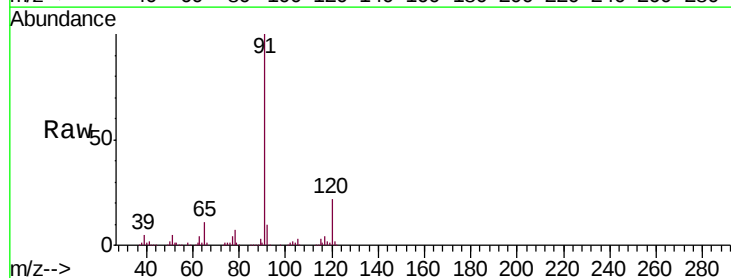


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

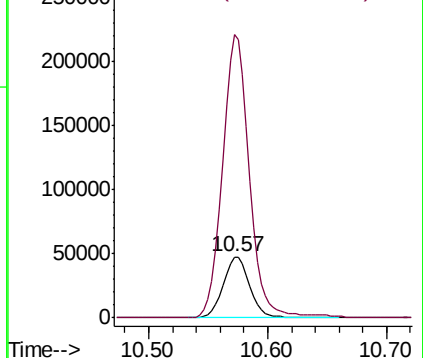
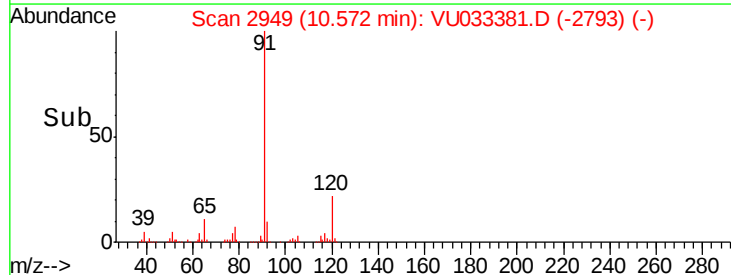


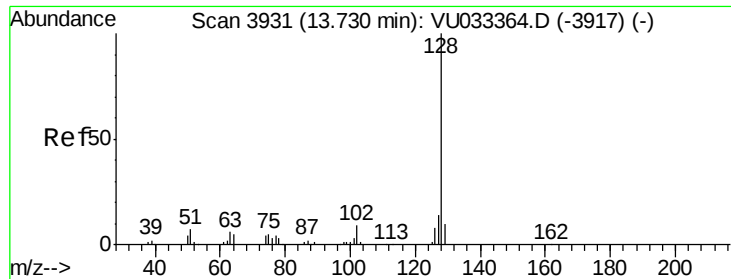
#73
 n-propylbenzene
 Concen: 7.070 ug/l
 RT: 10.57 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU033381.D
 Acq: 23 Jul 2019 15:04

Tgt Ion: 120 Resp: 73965
 Ion Ratio Lower Upper
 120 100
 91 467.3 355.1 532.7



Abundance Ion 120.00 (119.70 to 120.70): V
 Ion 91.00 (90.70 to 91.70): VU0





#89

Naphthalene

Concen: 0.694 ug/l

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033381.D

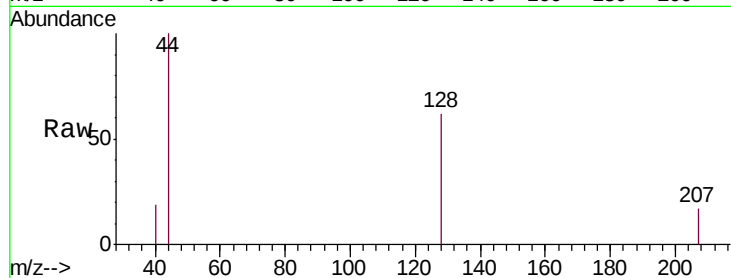
Acq: 23 Jul 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL



Tgt Ion:128 Resp: 989

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.5 12.7#

