

Data File : VU029316.D
Acq On : 30 Jan 2019 15:18
Operator : JC/SP
Sample : K1161-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

Quant Time: Jan 31 06:24:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 30 09:13:14 2019
Response via : Initial Calibration

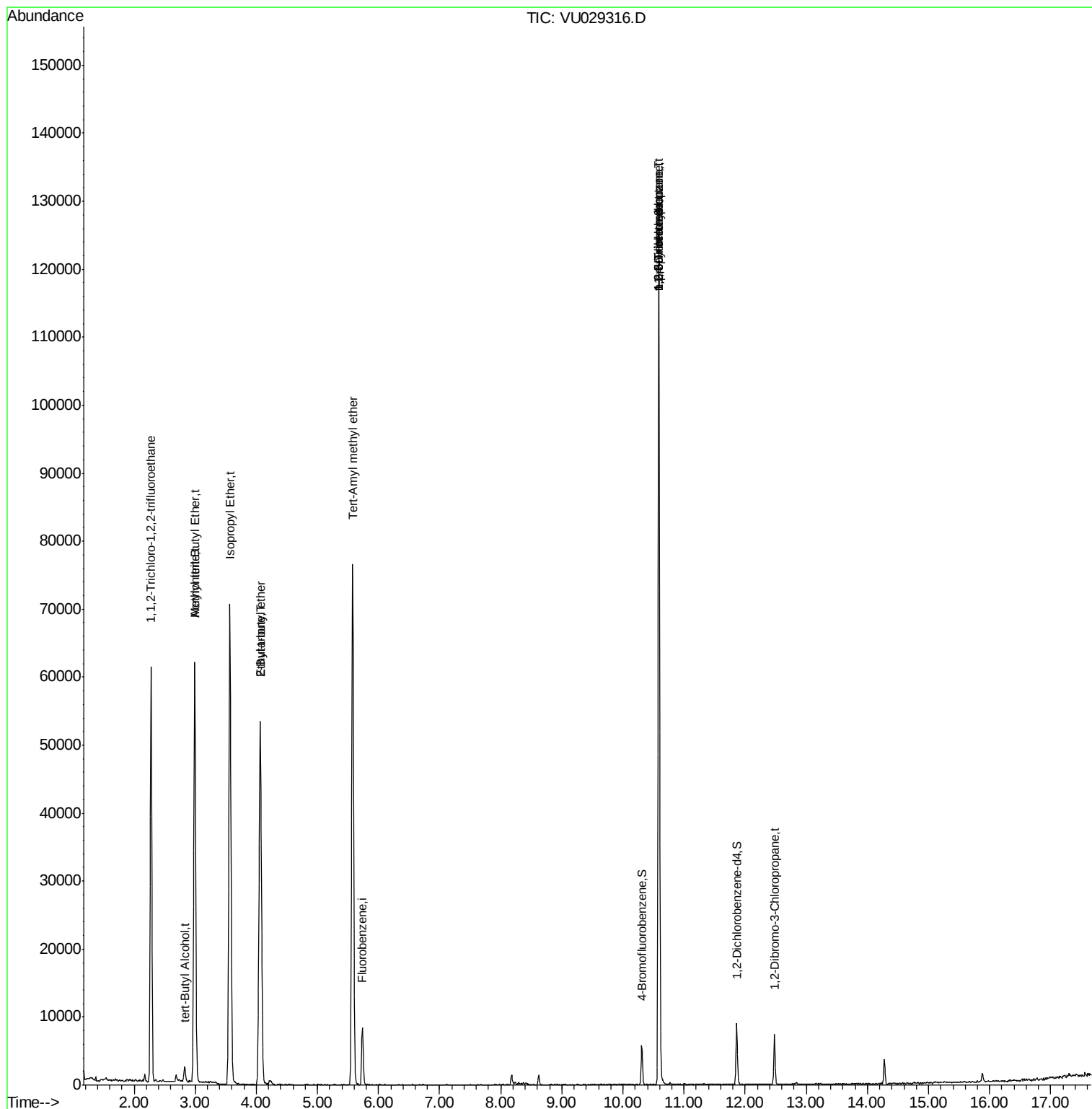
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	8065	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	2303	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	2647	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
Target Compounds						
						Qvalue
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	21651	8.997	ug/l	97
12) Acrylonitrile	2.99	53	711	1.060	ug/l #	19
18) 2-Butanone	4.06	43	8495	9.966	ug/l #	1
24) tert-Butyl Alcohol	2.83	59	2268	8.083	ug/l #	71
25) Methyl tert-Butyl Ether	2.99	73	58444	7.728	ug/l	99
31) Isopropyl Ether	3.57	45	66372	8.355	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	58566	8.030	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	58336	9.421	ug/l	98
46) t-1,4-Dichloro-2-butene	10.58	75	834	1.274	ug/l #	1
71) 1,2,3-Trichloropropane	10.58	75	834	0.399	ug/l #	49
73) n-propylbenzene	10.58	120	20309	6.676	ug/l	100
75) 1,3,5-Trimethylbenzene	10.59	105	3240	0.323	ug/l #	1
86) 1,2-Dibromo-3-Chloropropan	12.48	75	134	0.297	ug/l #	11
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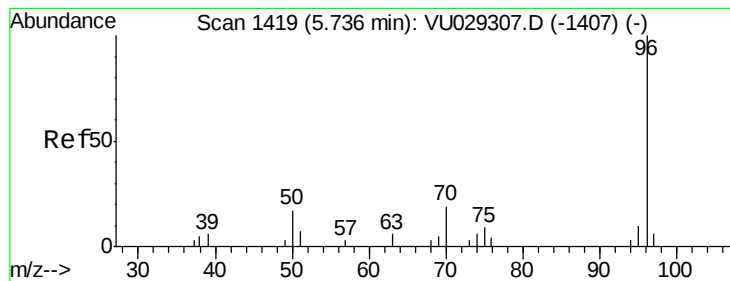
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 30 09:13:14 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

Tgt Ion: 96 Resp: 8065

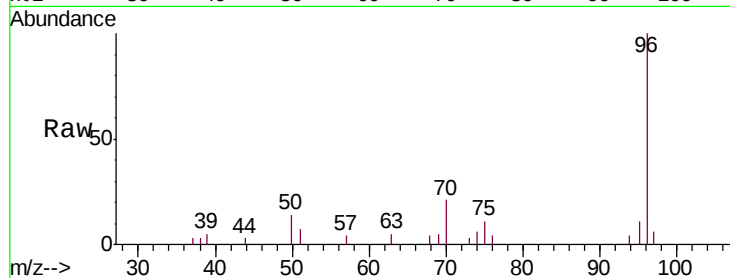
Ion Ratio Lower Upper

96 100

70 20.9 16.2 24.2

95 9.6 7.4 11.2

97 4.6 0.0 0.0#

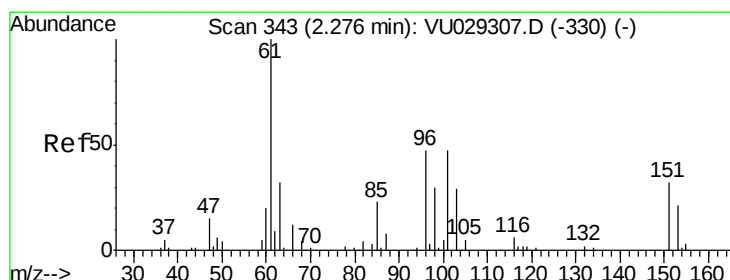
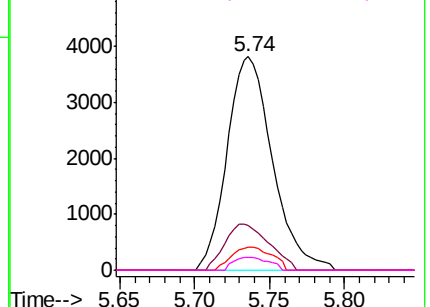
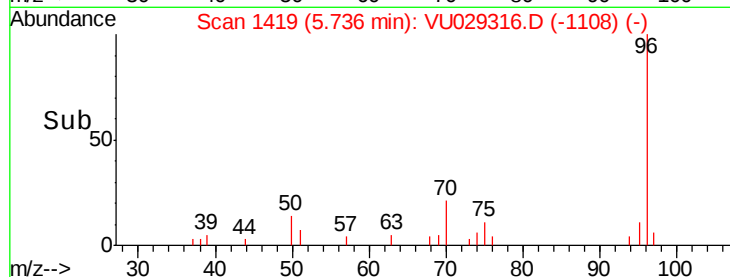


Abundance Ion 96.00 (95.70 to 96.70): VU029316.D (-1108) (-)

Ion 70.00 (69.70 to 70.70): VU029316.D (-1108) (-)

Ion 95.00 (94.70 to 95.70): VU029316.D (-1108) (-)

Ion 97.00 (96.70 to 97.70): VU029316.D (-1108) (-)



#8

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

Concen: 8.997 ug/l

RT: 2.28 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

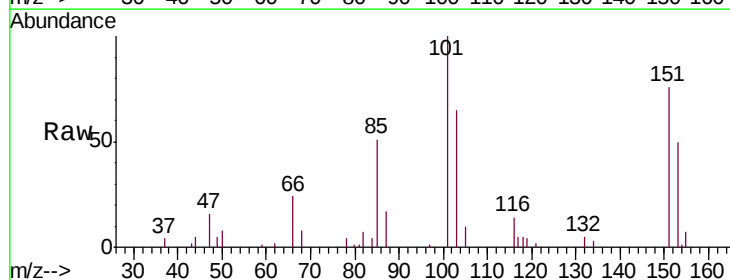
Tgt Ion: 101 Resp: 21651

Ion Ratio Lower Upper

101 100

85 50.8 40.3 60.5

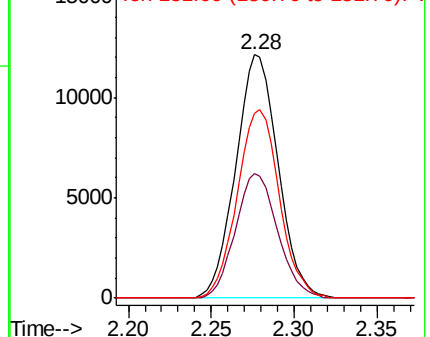
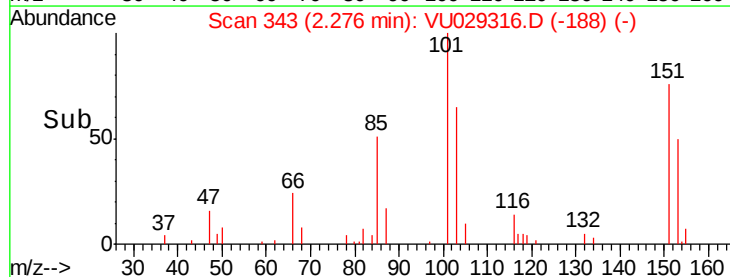
151 76.9 58.1 87.1

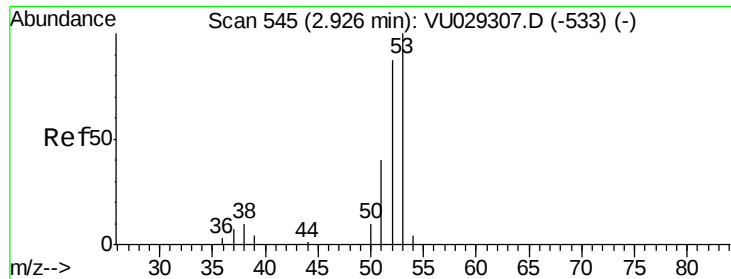


Abundance Ion 101.00 (100.70 to 101.70): VU029316.D (-188) (-)

Ion 85.00 (84.70 to 85.70): VU029316.D (-188) (-)

Ion 151.00 (150.70 to 151.70): VU029316.D (-188) (-)





#12

Acrylonitrile

Concen: 1.060 ug/l

RT: 2.99 min Scan# 566

Delta R.T. 0.07 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

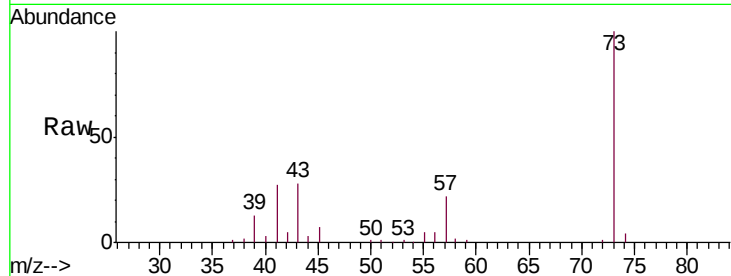
Tgt Ion: 53 Resp: 711

Ion Ratio Lower Upper

53 100

52 12.4 67.6 101.4#

51 90.3 31.0 46.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

2.99

300

200

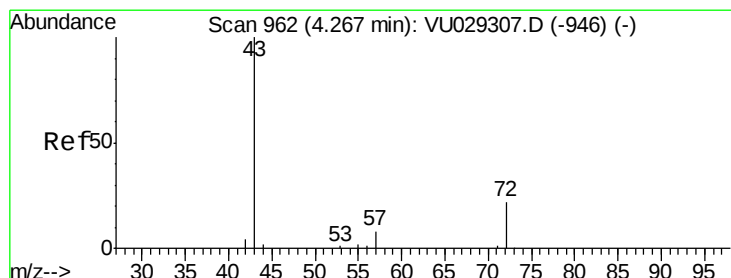
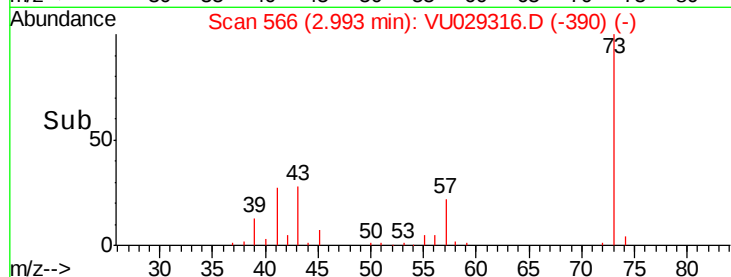
100

0

2.95

3.00

Time-->



#18

2-Butanone

Concen: 9.966 ug/l

RT: 4.06 min Scan# 898

Delta R.T. -0.21 min

Lab File: VU029316.D

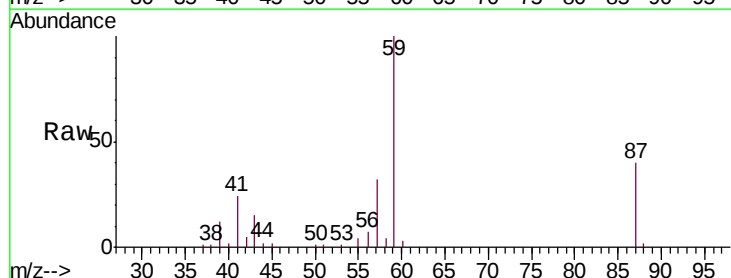
Acq: 30 Jan 2019 15:18

Tgt Ion: 43 Resp: 8495

Ion Ratio Lower Upper

43 100

57 219.6 0.0 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

8000

6000

4000

2000

0

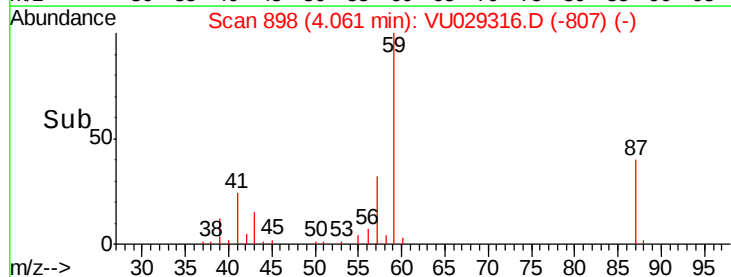
4.00

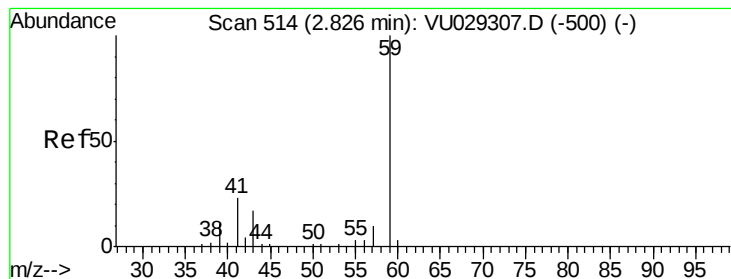
4.06

4.10

4.15

Time-->





#24

tert-Butyl Alcohol

Concen: 8.083 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

Instrument :

MSVOA_U

ClientSampleId :

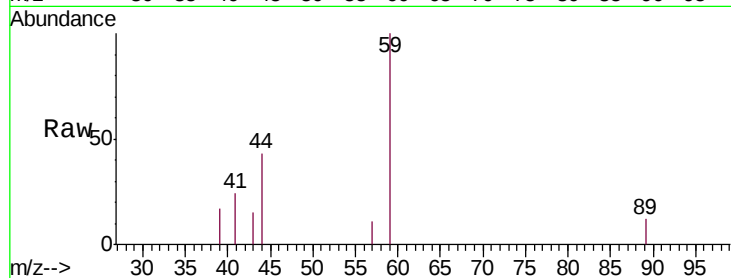
PT-ADD-WSDL

Tgt Ion: 59 Resp: 2268

Ion Ratio Lower Upper

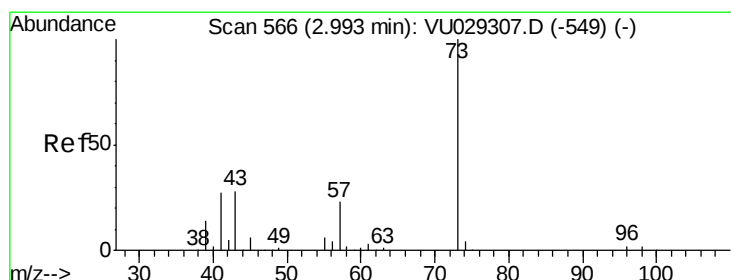
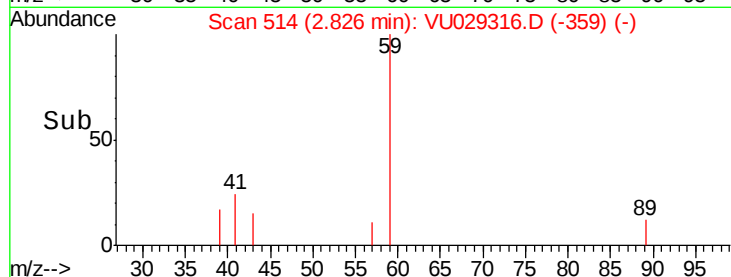
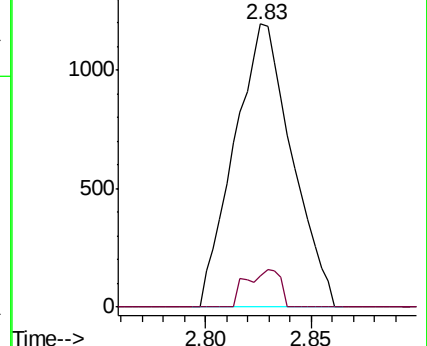
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#25

Methyl tert-Butyl Ether

Concen: 7.728 ug/l

RT: 2.99 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU029316.D

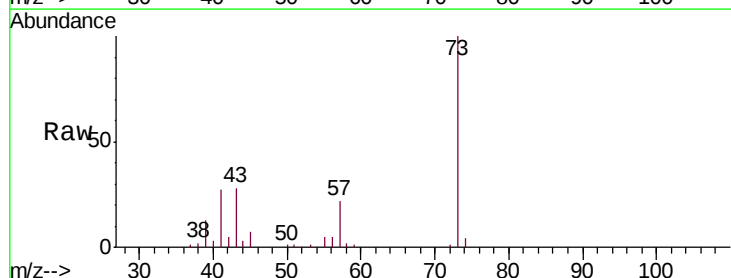
Acq: 30 Jan 2019 15:18

Tgt Ion: 73 Resp: 58444

Ion Ratio Lower Upper

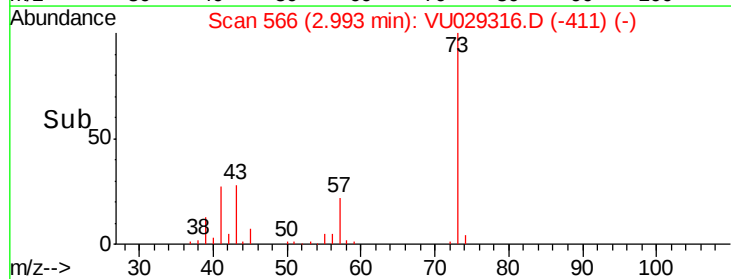
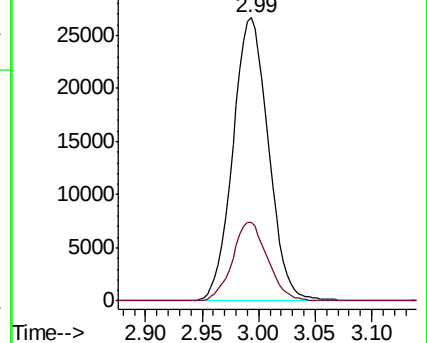
73 100

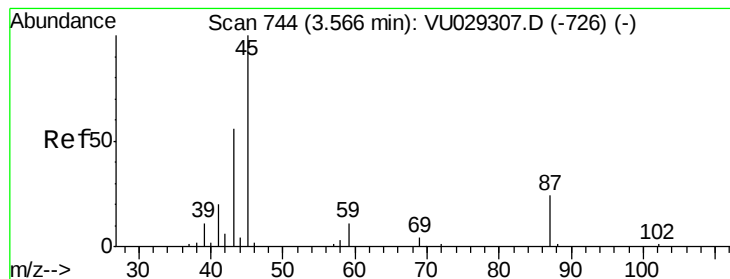
43 27.3 22.1 33.1



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#31

Isopropyl Ether

Concen: 8.355 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

Instrument :

MSVOA_U

ClientSampleId :

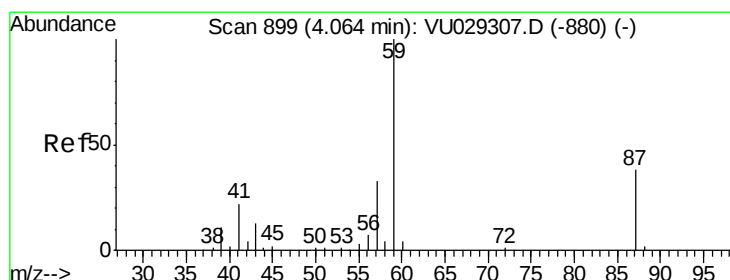
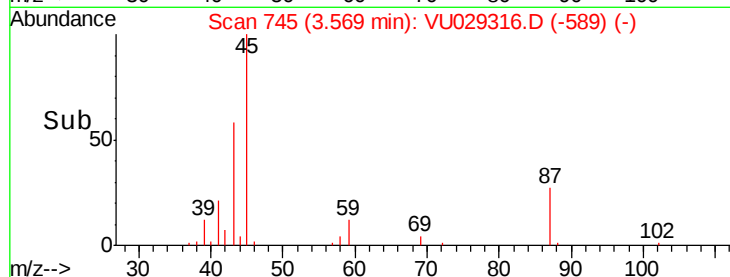
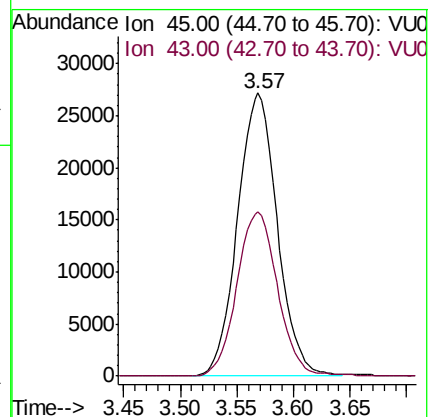
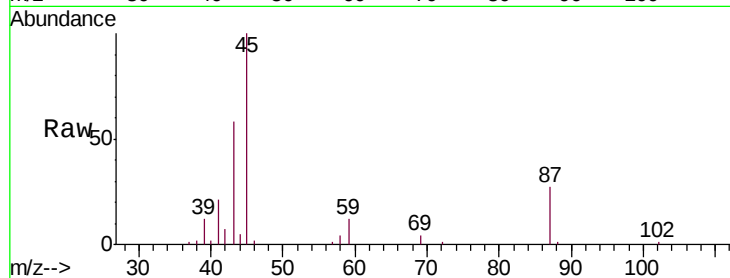
PT-ADD-WSDL

Tgt Ion: 45 Resp: 66372

Ion Ratio Lower Upper

45 100

43 59.4 28.4 85.3



#32

Ethyl-t-butyl ether

Concen: 8.030 ug/l

RT: 4.06 min Scan# 899

Delta R.T. -0.00 min

Lab File: VU029316.D

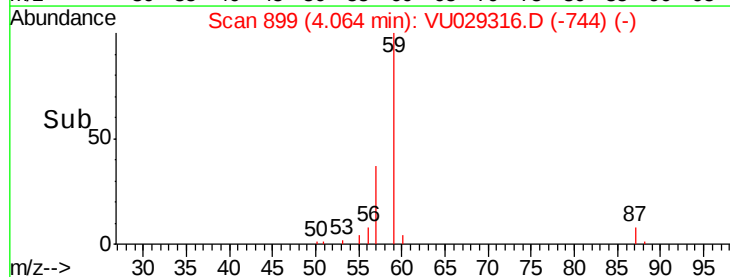
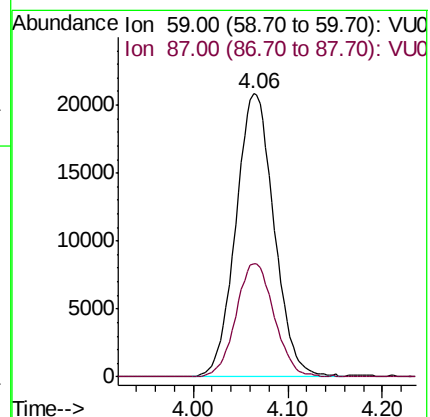
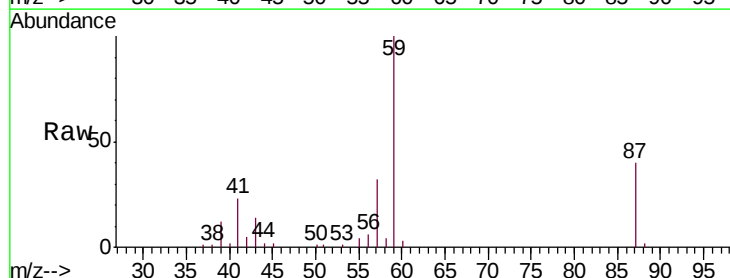
Acq: 30 Jan 2019 15:18

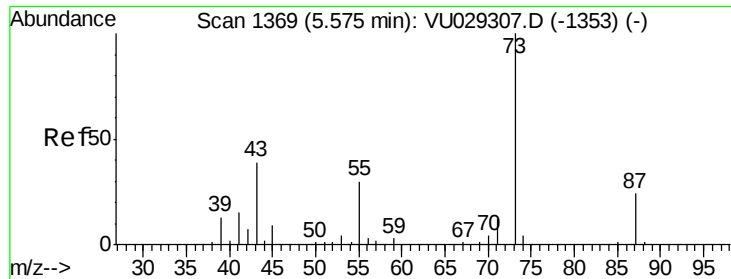
Tgt Ion: 59 Resp: 58566

Ion Ratio Lower Upper

59 100

87 39.9 31.1 46.7

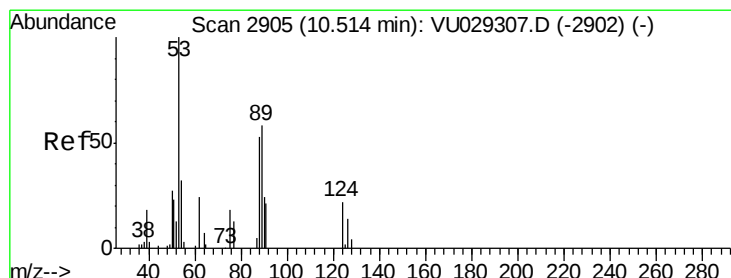
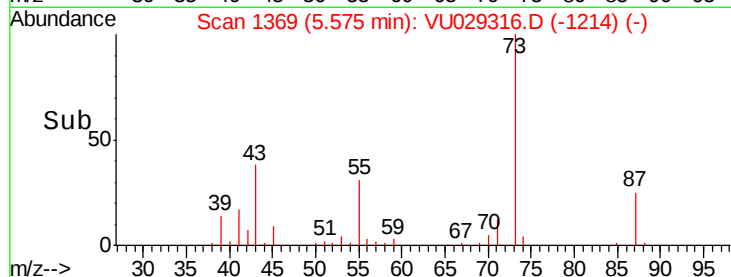
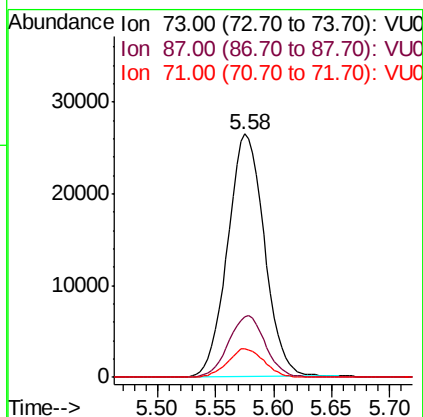
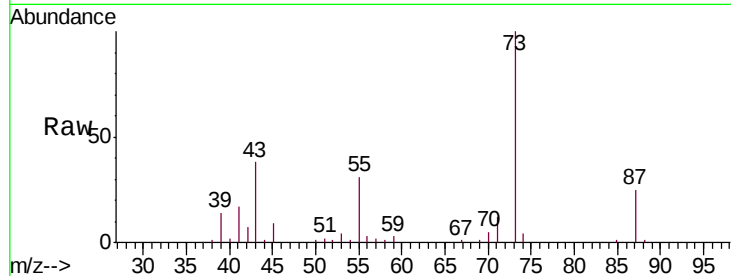




#33
 Tert-Amyl methyl ether
 Concen: 9.421 ug/l
 RT: 5.58 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

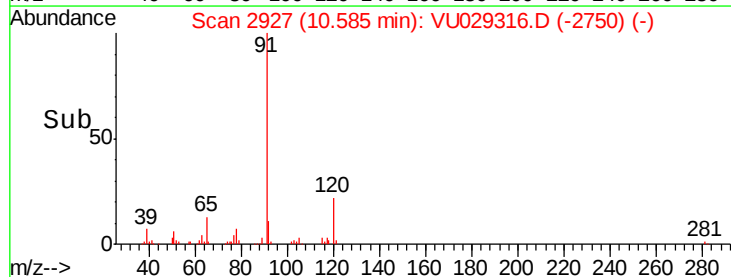
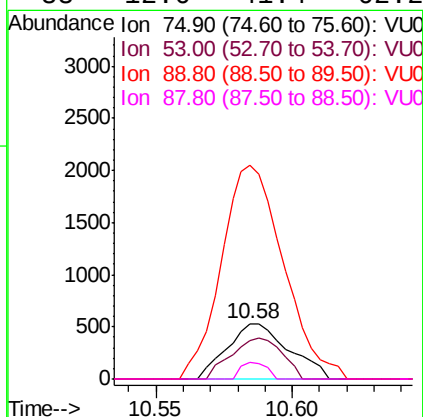
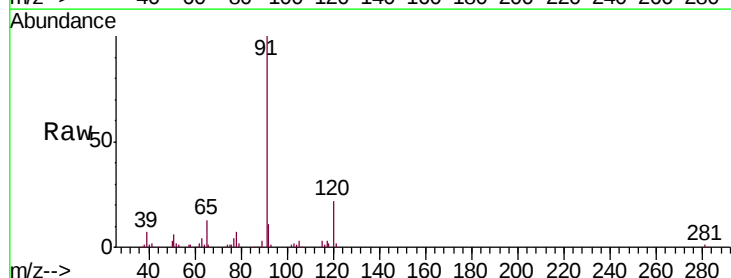
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

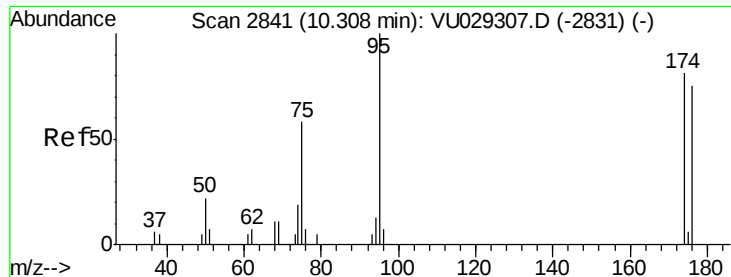
Tgt Ion: 73 Resp: 58336
 Ion Ratio Lower Upper
 73 100
 87 25.3 19.4 29.0
 71 11.6 9.0 13.4



#46
 t-1,4-Dichloro-2-butene
 Concen: 1.274 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. 0.07 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

Tgt Ion: 75 Resp: 834
 Ion Ratio Lower Upper
 75 100
 53 60.7 78.2 117.4#
 89 387.8 44.2 66.4#
 88 12.6 41.4 62.2#

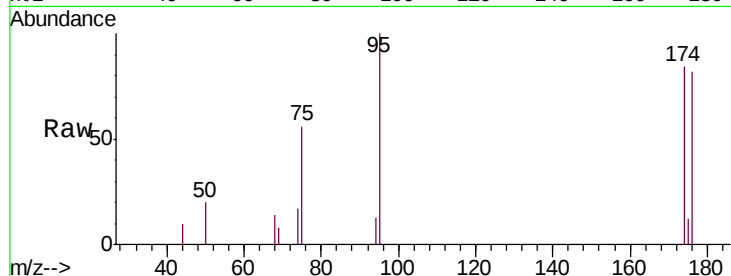




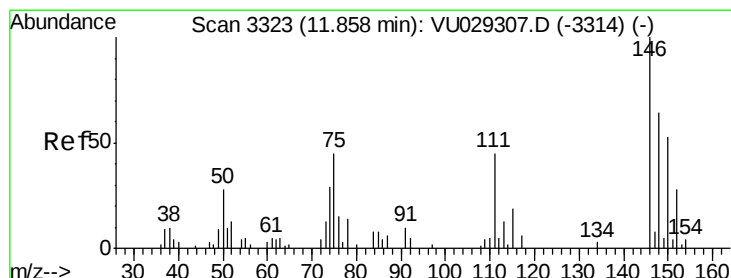
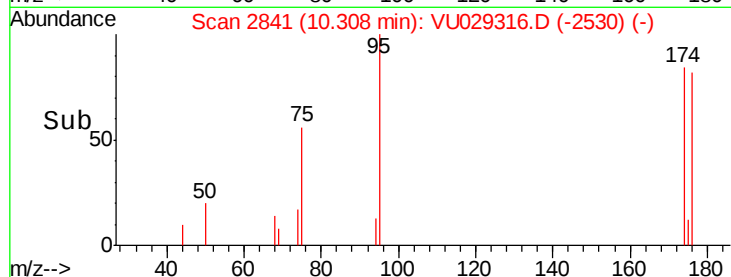
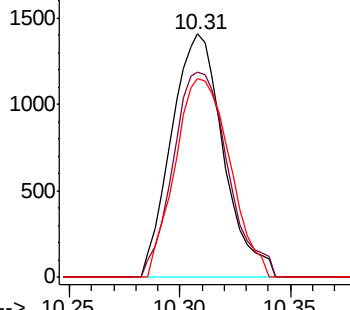
#57
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion: 95 Resp: 2303
 Ion Ratio Lower Upper
 95 100
 174 88.9 64.2 96.2
 176 86.0 62.3 93.5

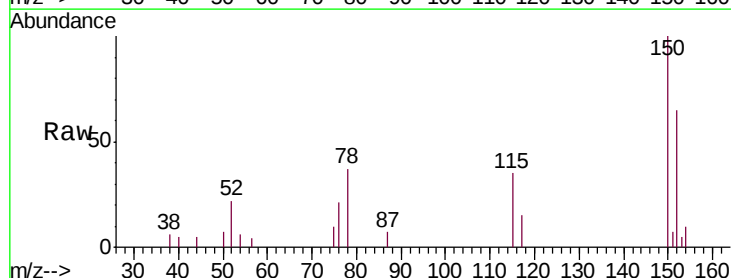


Abundance Ion 95.00 (94.70 to 95.70): VU
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

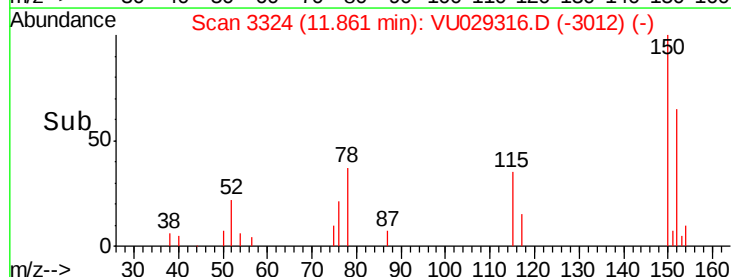
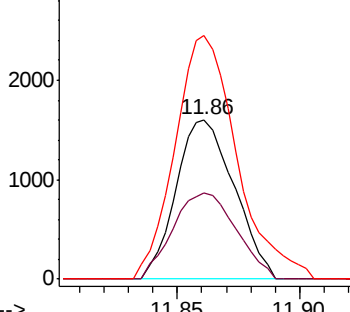


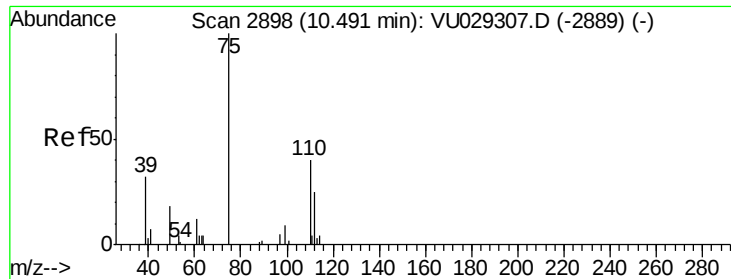
#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3324
 Delta R.T. 0.00 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

Tgt Ion: 152 Resp: 2647
 Ion Ratio Lower Upper
 152 100
 115 59.2 0.0 133.4
 150 163.1 0.0 670.8



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

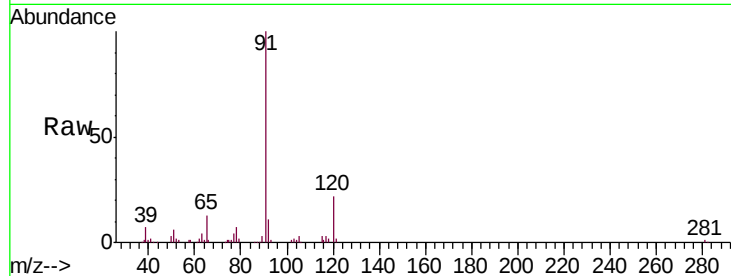




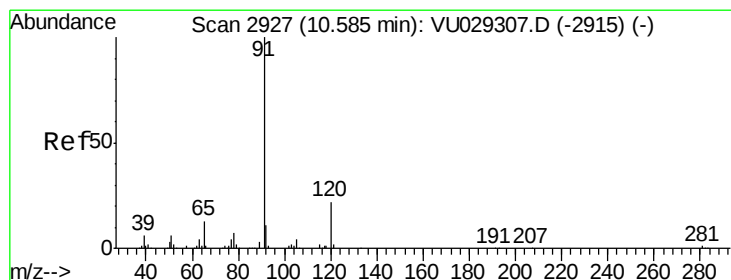
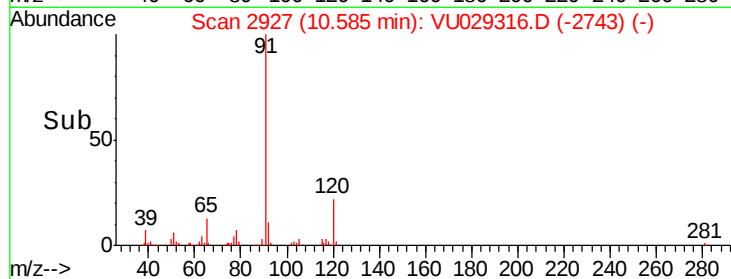
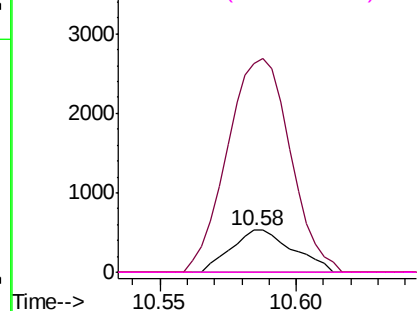
#71
 1,2,3-Trichloropropane
 Concen: 0.399 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. 0.09 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion: 75 Resp: 834
 Ion Ratio Lower Upper
 75 100
 77 515.7 0.0 0.0#
 110 0.0 0.0 63.6
 97 0.0 0.0 31.4

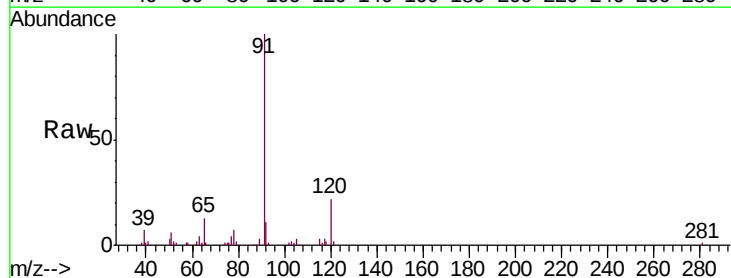


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

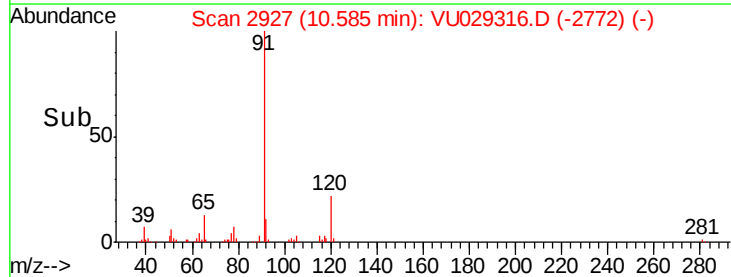
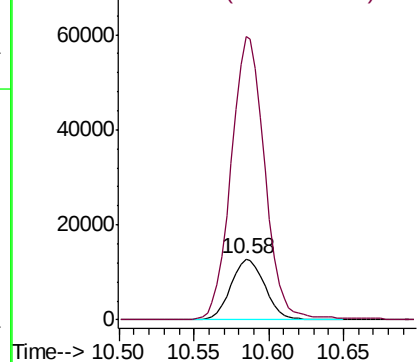


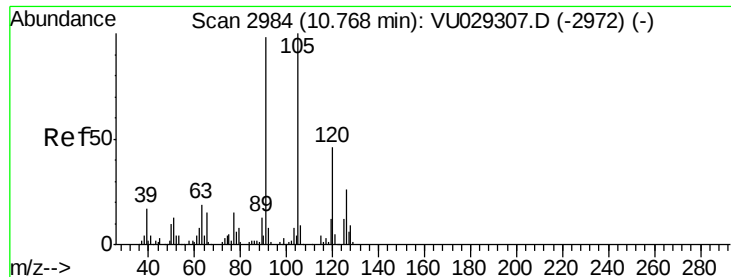
#73
 n-propylbenzene
 Concen: 6.676 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. -0.00 min
 Lab File: VU029316.D
 Acq: 30 Jan 2019 15:18

Tgt Ion: 120 Resp: 20309
 Ion Ratio Lower Upper
 120 100
 91 462.0 370.0 555.0



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





#75

1,3,5-Trimethylbenzene

Concen: 0.323 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

Instrument :

MSVOA_U

ClientSampleId :

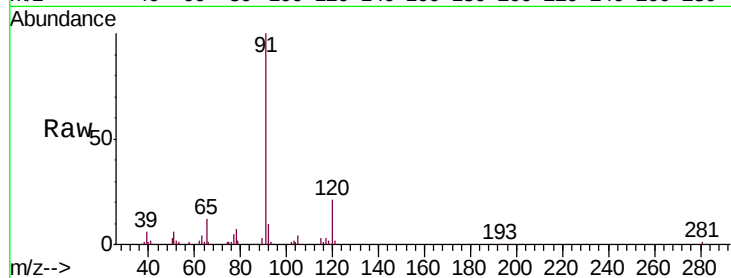
PT-ADD-WSDL

Tgt Ion: 105 Resp: 3240

Ion Ratio Lower Upper

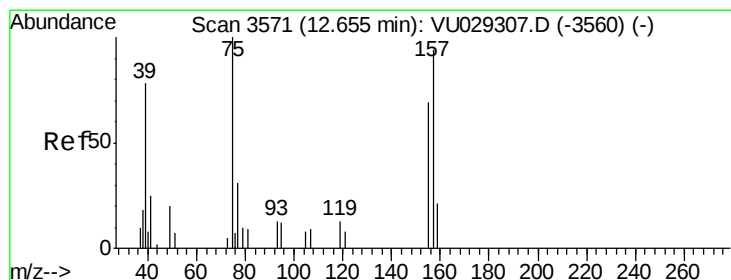
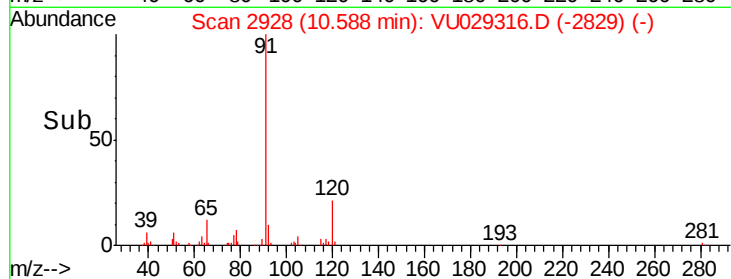
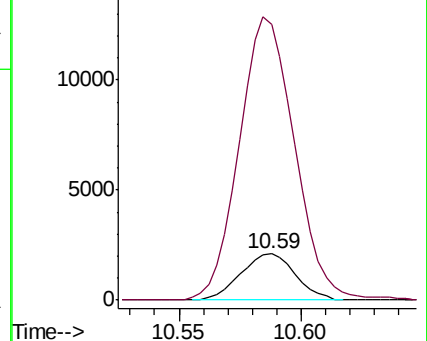
105 100

120 626.8 37.3 55.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.297 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU029316.D

Acq: 30 Jan 2019 15:18

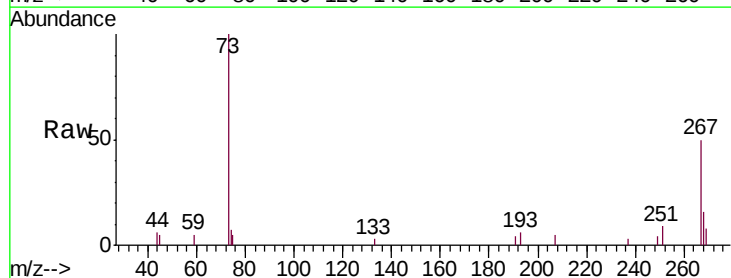
Tgt Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

155 0.0 53.8 80.8#

157 0.0 69.2 103.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

