

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072319\
 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 25 11:37:23 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

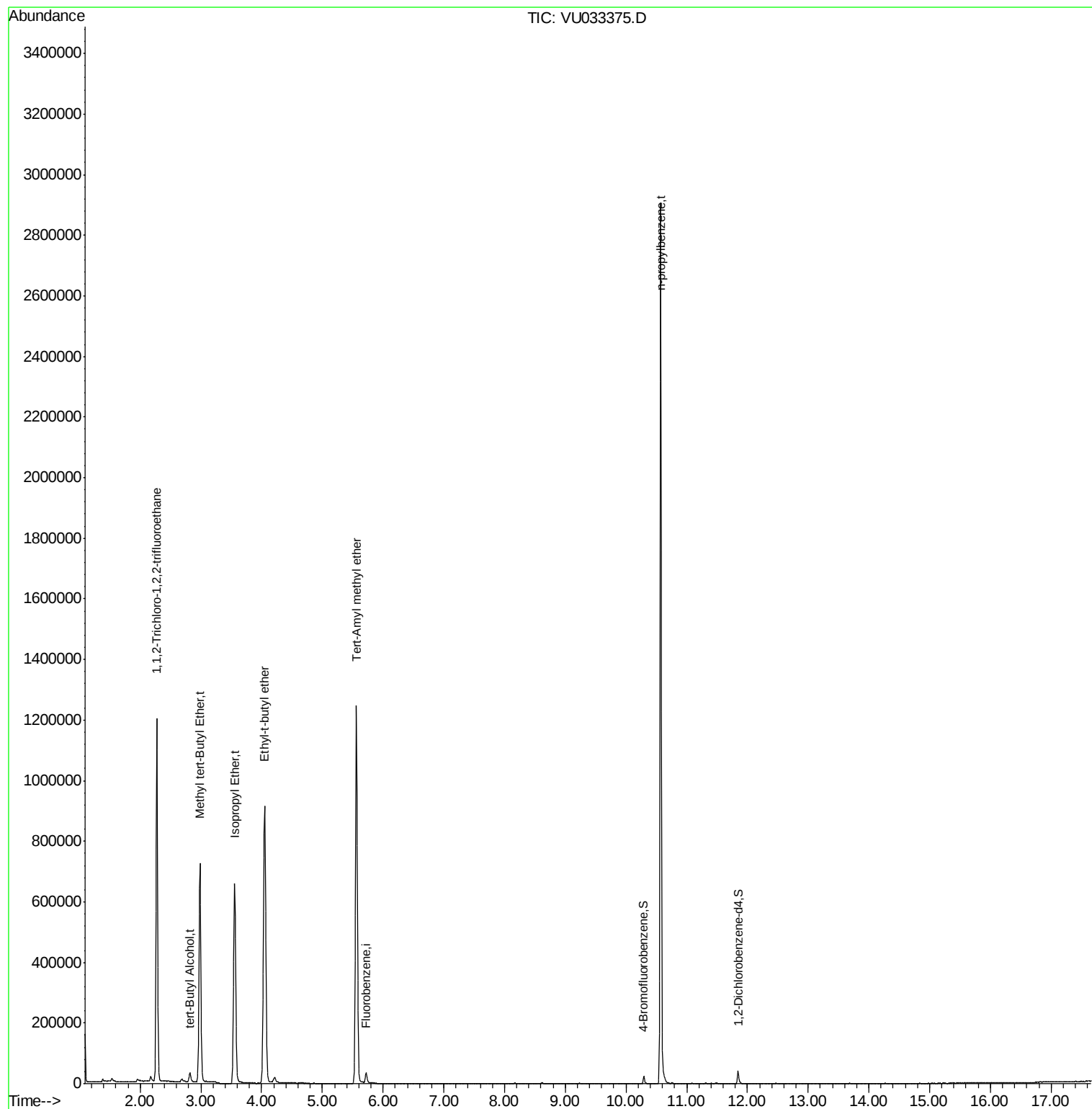
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	32177	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	8925	0.71	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11084	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
Target Compounds						Ovalue
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	448066	38.596	ug/l	99
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
73) n-propylbenzene	10.57	120	461996	40.714	ug/l	92
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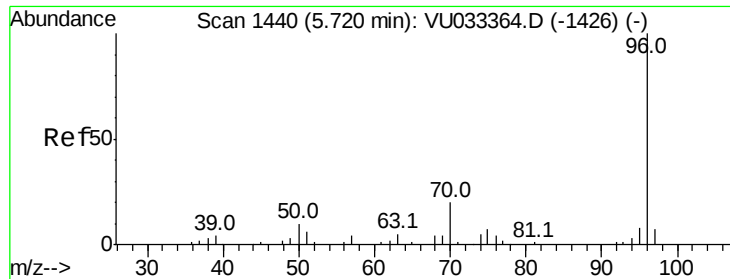
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU033375.D

Acq: 23 Jul 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WS

Tot Ion: 96 Resp: 32177

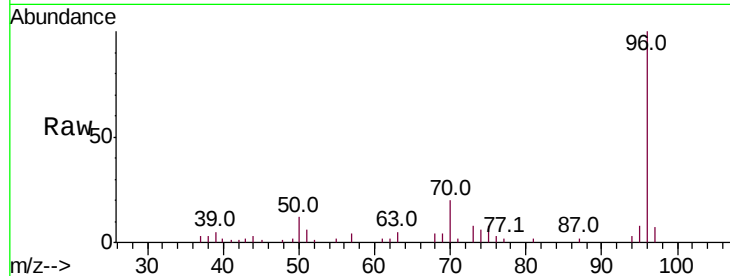
Ion Ratio Lower Upper

96 100

70 21.2 16.4 24.6

95 9.3 6.7 10.1

97 6.2 0.0 0.0#

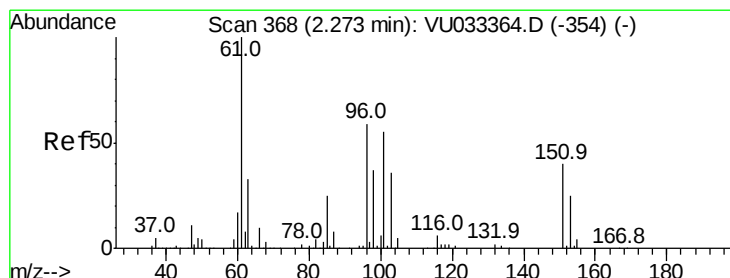
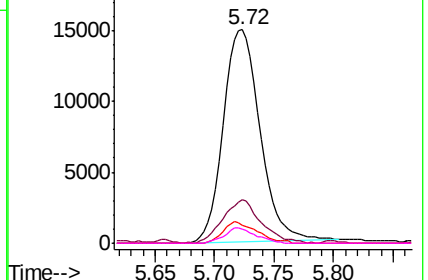
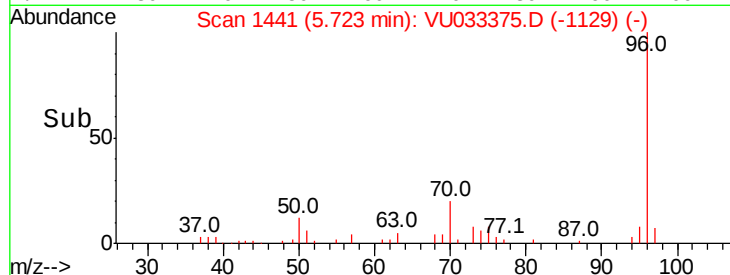


Abundance Ion 96.00 (95.70 to 96.70): VU0

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

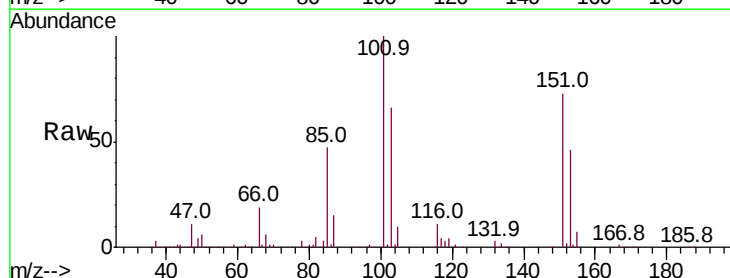
Tgt Ion:101 Resp: 448066

Ion Ratio Lower Upper

101 100

85 46.0 37.5 56.3

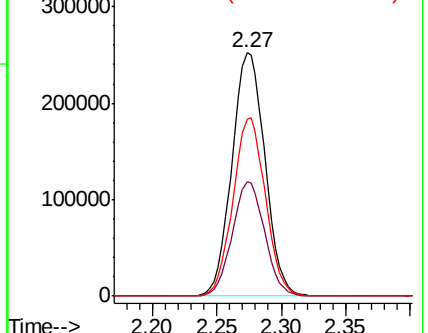
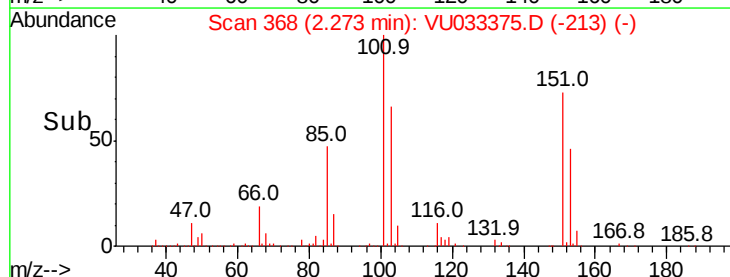
151 72.2 58.3 87.5

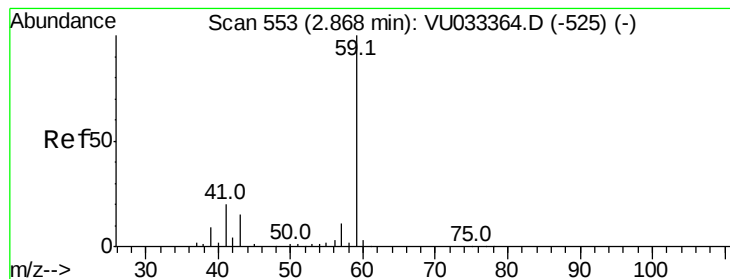


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#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

Instrument :

MSVOA_U

ClientSampleId :

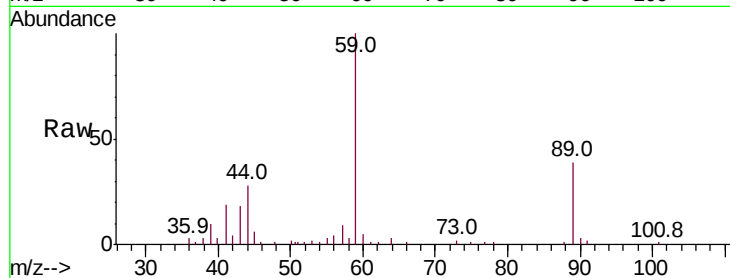
PT-ADD-WS

Tot Ion: 59 Resp: 27757

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU033364.D (-525) (-)

Ion 57.00 (56.70 to 57.70): VU033364.D (-525) (-)

2.82

15000

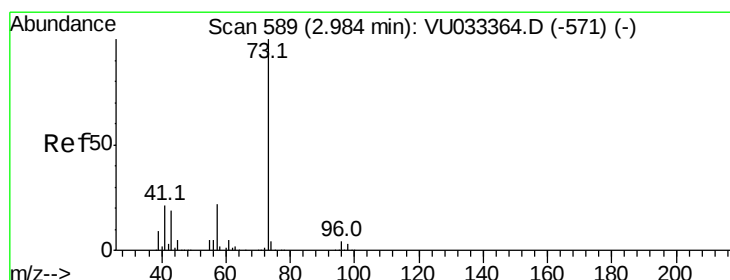
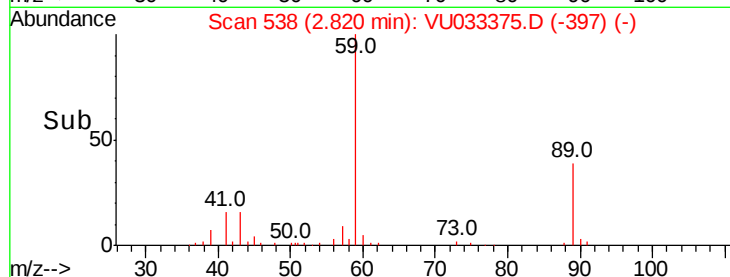
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#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

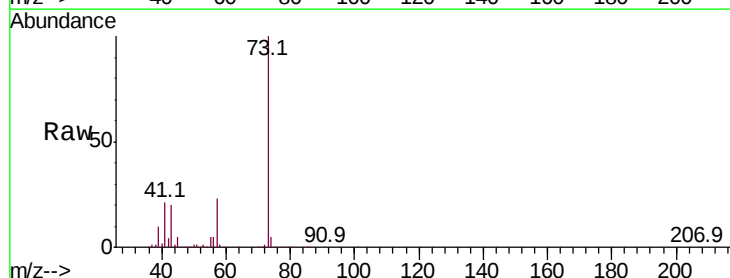
Acq: 23 Jul 2019 12:22

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

400000

300000

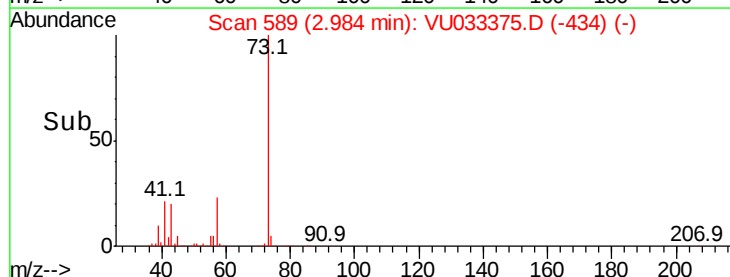
200000

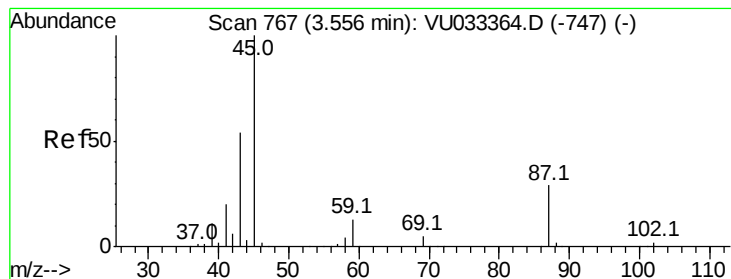
100000

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

Instrument :

MSVOA_U

ClientSampleId :

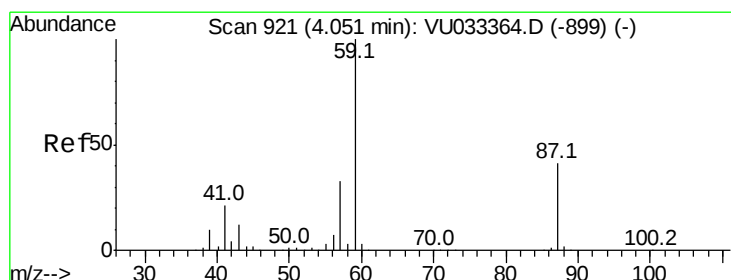
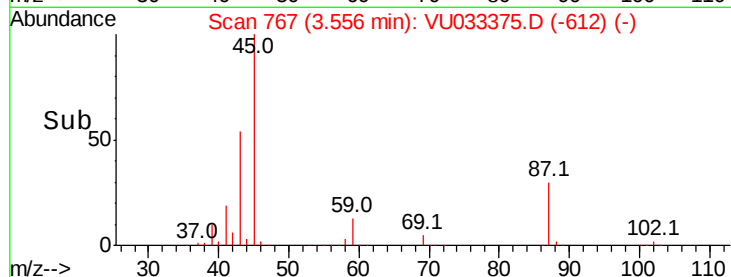
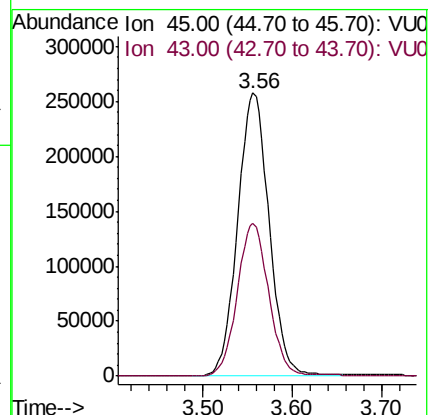
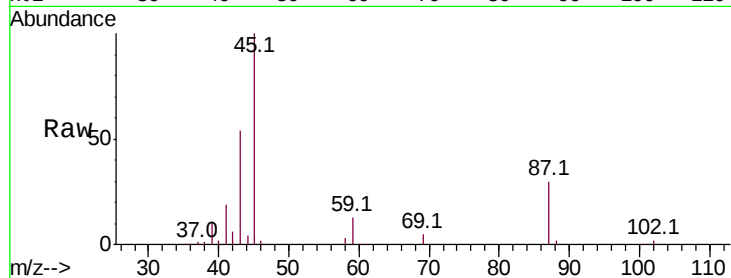
PT-ADD-WS

Tot Ion: 45 Resp: 631147

Ion Ratio Lower Upper

45 100

43 54.3 27.8 83.3



#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

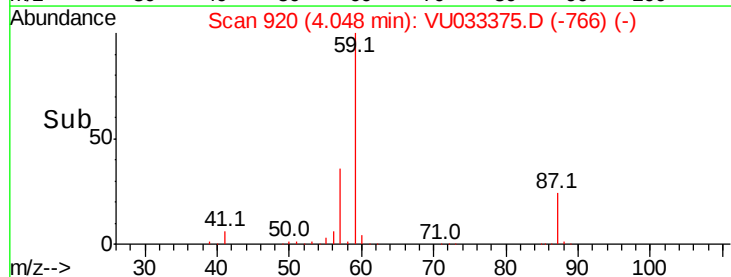
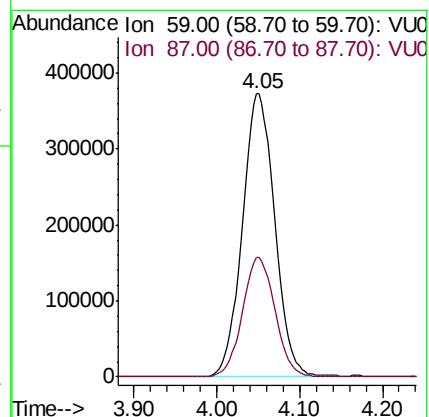
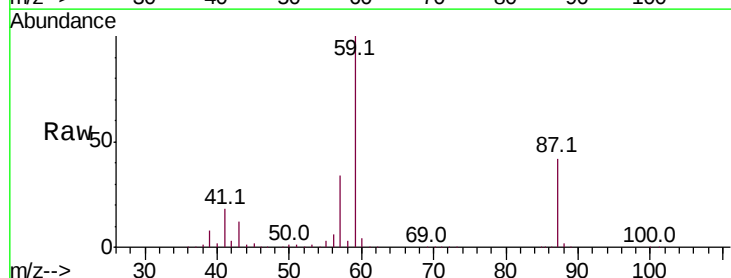
Acq: 23 Jul 2019 12:22

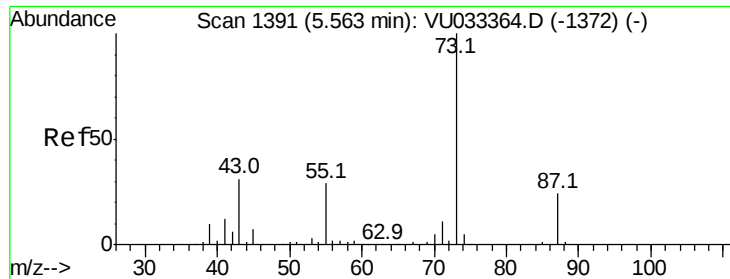
Tgt Ion: 59 Resp: 1003005

Ion Ratio Lower Upper

59 100

87 42.5 33.8 50.6



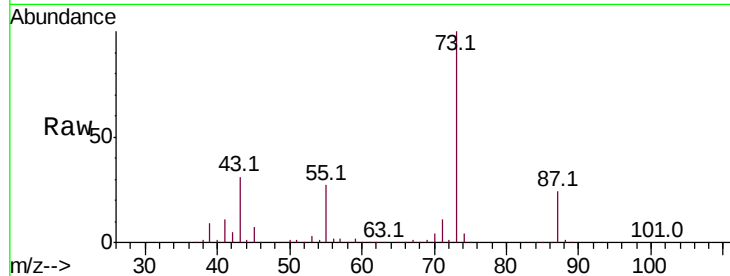


#33

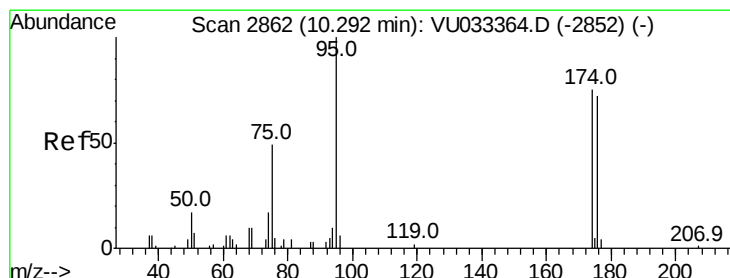
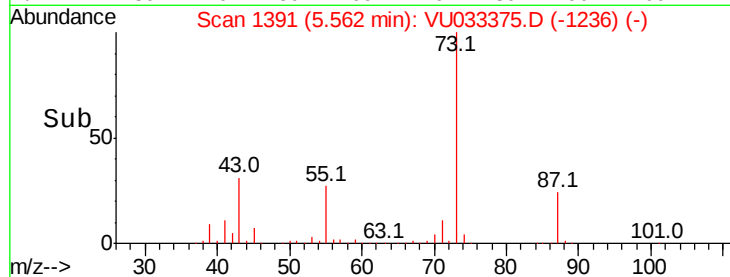
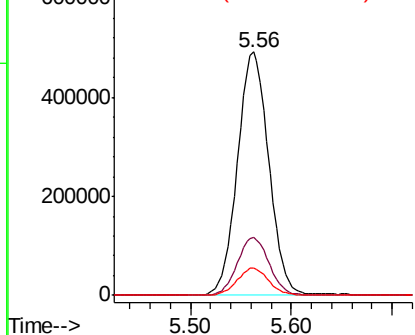
Tert-Amvl methvl ether
Concen: 52.804 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WS

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



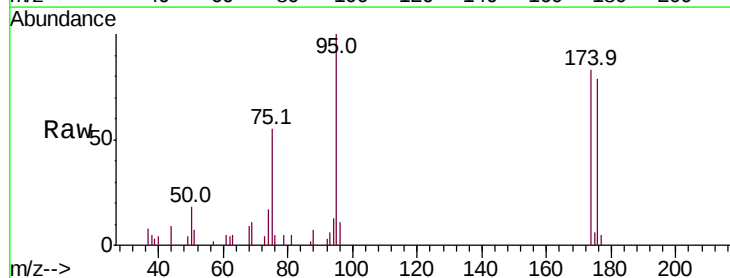
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



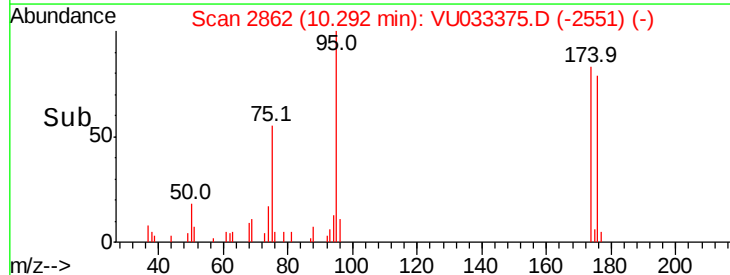
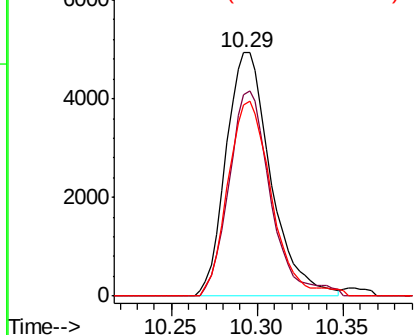
#57

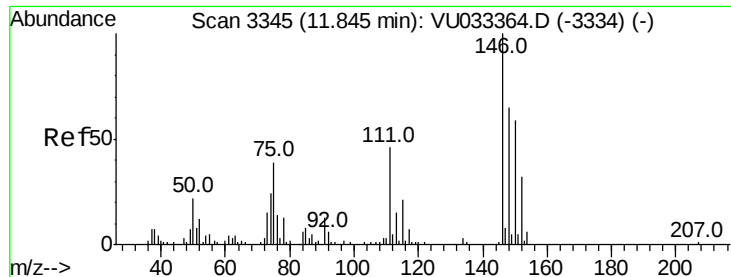
4-Bromofluorobenzene
Concen: 0.707 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

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



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



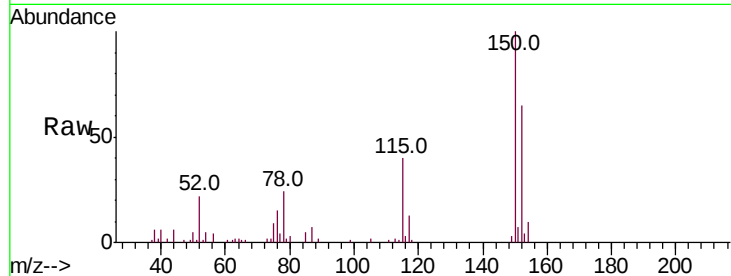


#68

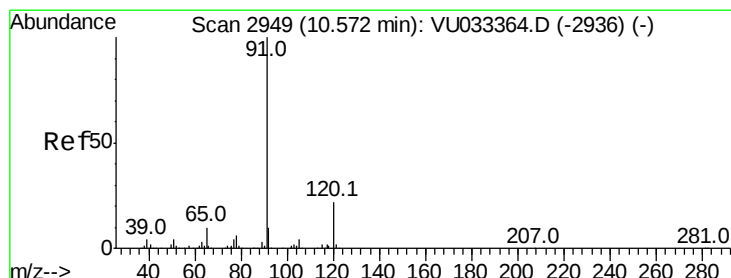
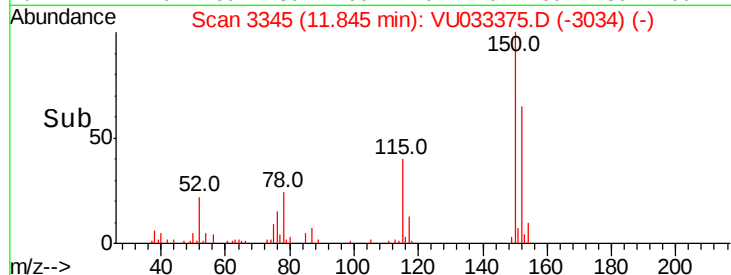
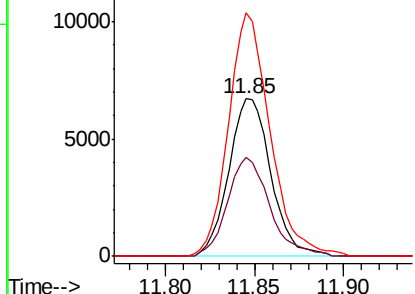
1,2-Dichlorobenzene-d4
Concen: 0.850 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033375.D
Acq: 23 Jul 2019 12:22

Instrument :
MSVOA_U
ClientSampled :
PT-ADD-WS

Tot Ion:152 Resp: 11084
Ion Ratio Lower Upper
152 100
115 62.7 0.0 123.2
150 152.6 0.0 648.4



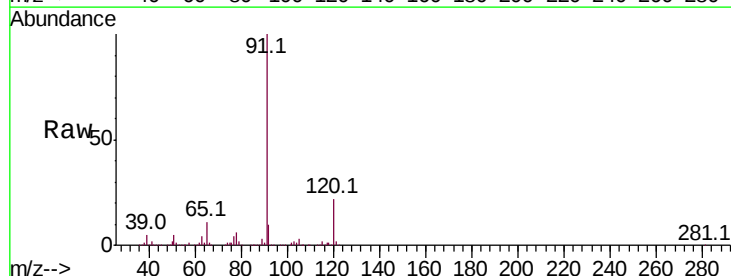
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#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

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



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

