

Data File : VU039721.D
Acq On : 30 Jul 2020 13:58
Operator : SY/MD
Sample : L3319-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

Quant Time: Jul 31 06:17:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	20850	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	6280	0.77	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6784	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	

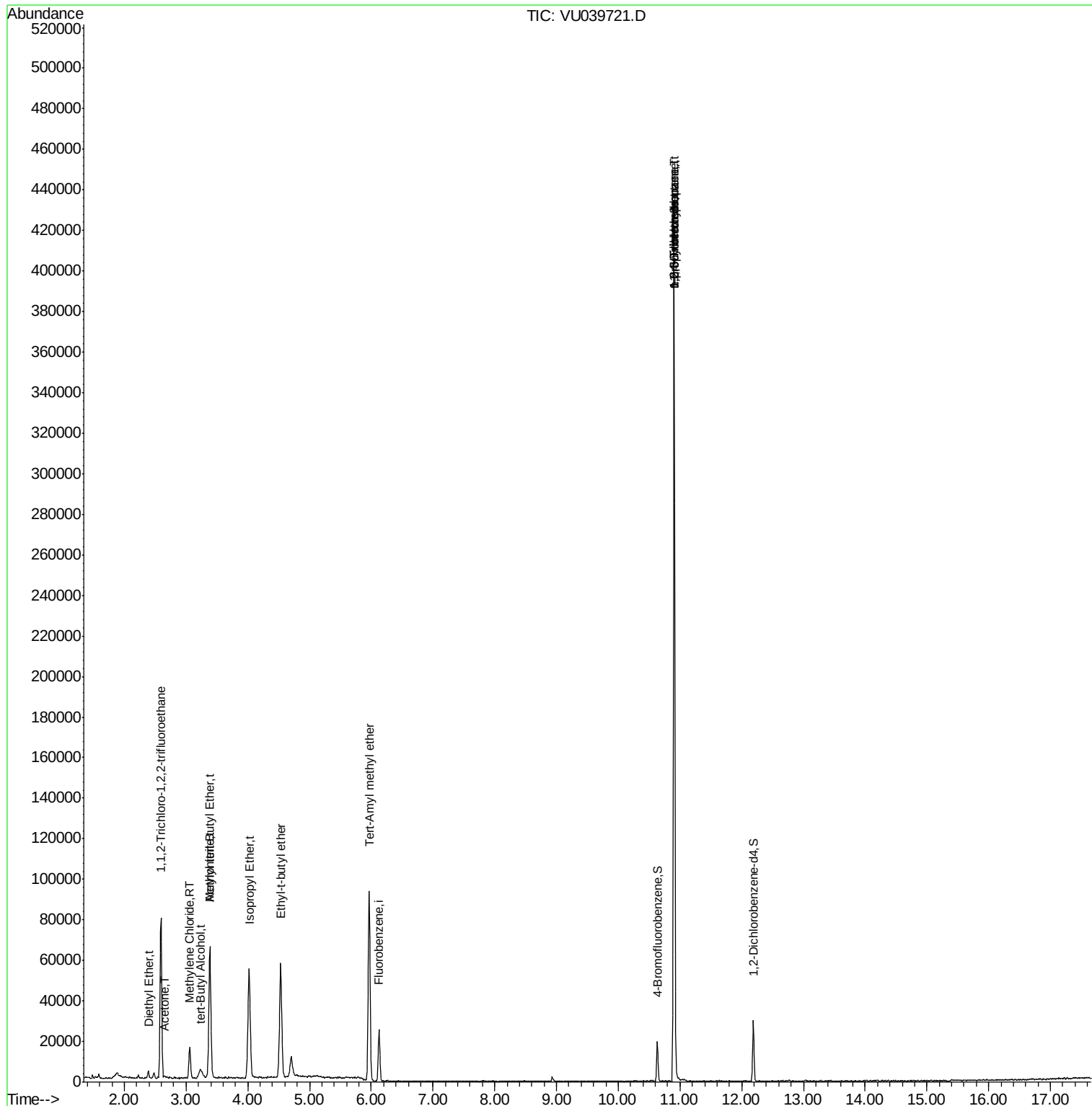
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	30892	4.906	ug/l	100
12) Acrylonitrile	3.38	53	980	0.482	ug/l #	26
13) Acetone	2.65	43	821	0.429	ug/l #	75
15) Methylene Chloride	3.06	84	5976	0.740	ug/l	98
23) Diethyl Ether	2.39	59	1328	0.224	ug/l #	65
24) tert-Butyl Alcohol	3.23	59	8093	3.426	ug/l #	1
25) Methyl tert-Butyl Ether	3.39	73	64765	3.426	ug/l	100
31) Isopropyl Ether	4.02	45	59220	2.245	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	55323	2.465	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	70436	4.352	ug/l	98
46) t-1,4-Dichloro-2-butene	10.91	75	1812	1.039	ug/l #	1
71) 1,2,3-Trichloropropane	10.91	75	1812	0.332	ug/l #	1
73) n-propylbenzene	10.91	120	65141	8.126	ug/l	93
75) 1,3,5-Trimethylbenzene	10.91	105	10850	0.440	ug/l #	1

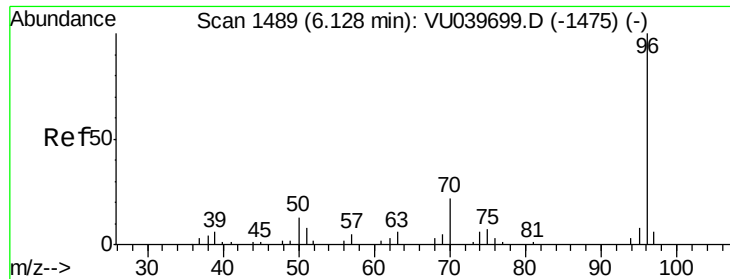
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

Tgt Ion: 96 Resp: 20850

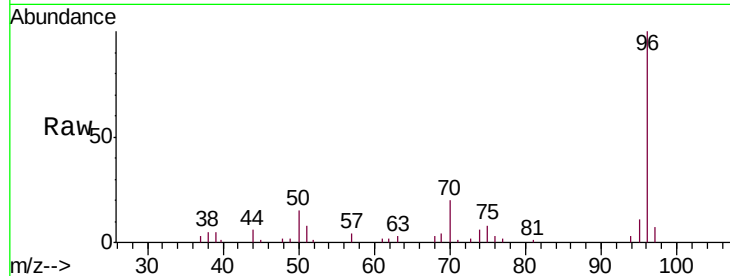
Ion Ratio Lower Upper

96 100

70 22.3 16.3 24.5

95 10.3 6.8 10.2#

97 6.7 0.0 0.0#

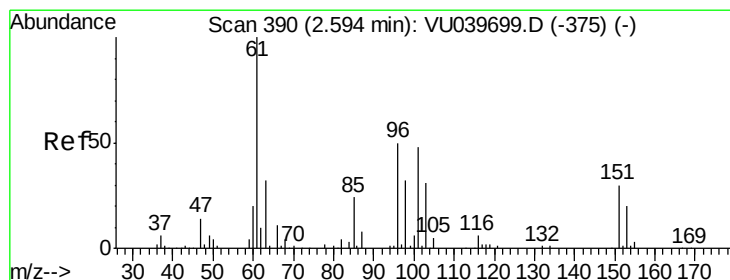
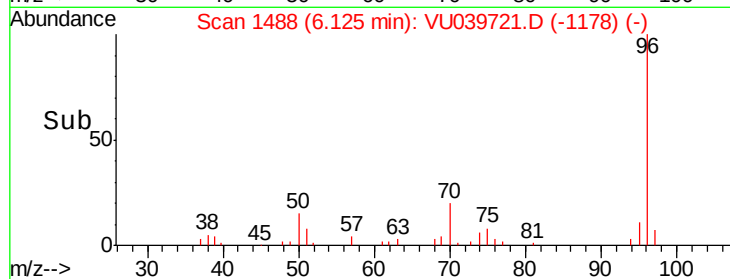
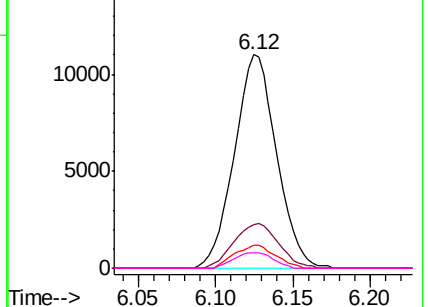


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 4.906 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039721.D

Acq: 30 Jul 2020 13:58

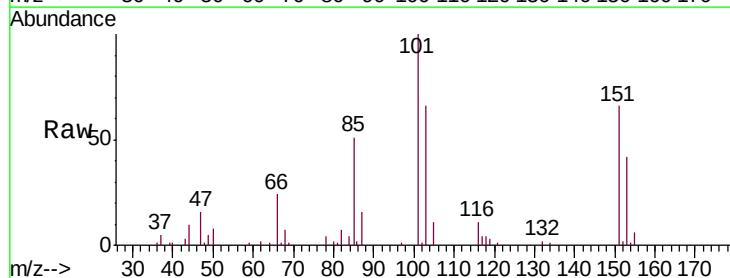
Tgt Ion: 101 Resp: 30892

Ion Ratio Lower Upper

101 100

85 50.0 39.9 59.9

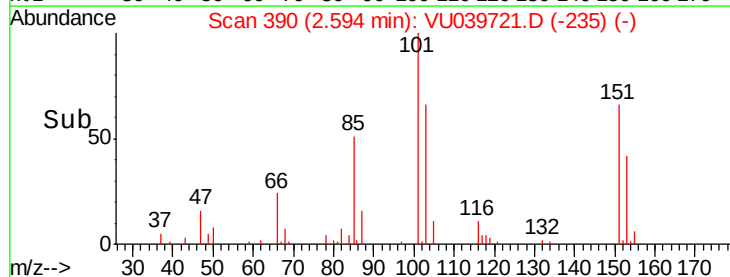
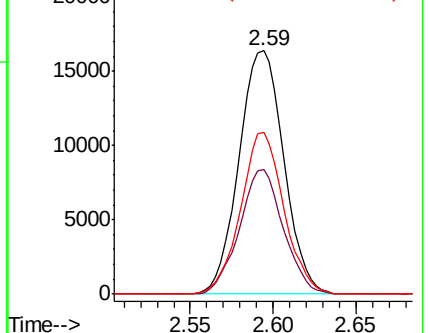
151 64.0 51.0 76.4

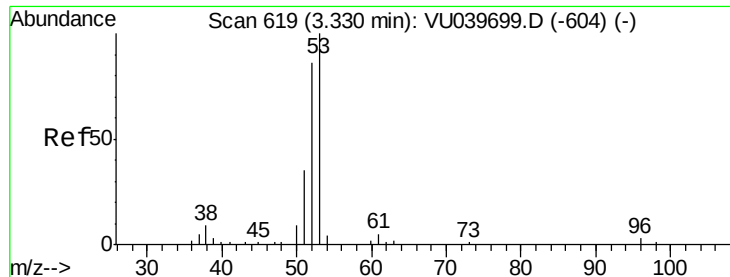


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

Acrylonitrile

Concen: 0.482 ug/l

RT: 3.38 min Scan# 635

Delta R.T. 0.05 min

Lab File: VU039721.D

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Instrument :

MSVOA_U

ClientSampleId :

PT-ADD-WSDL

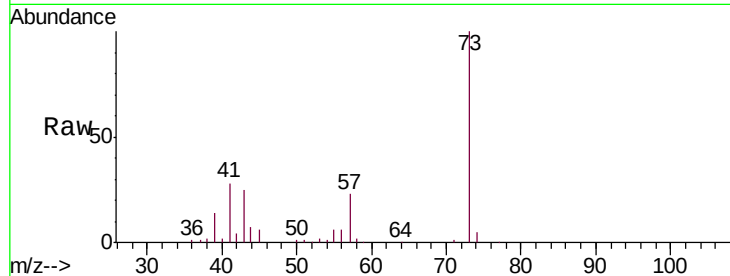
Tgt Ion: 53 Resp: 980

Ion Ratio Lower Upper

53 100

52 6.6 69.1 103.7#

51 63.7 29.4 44.2#

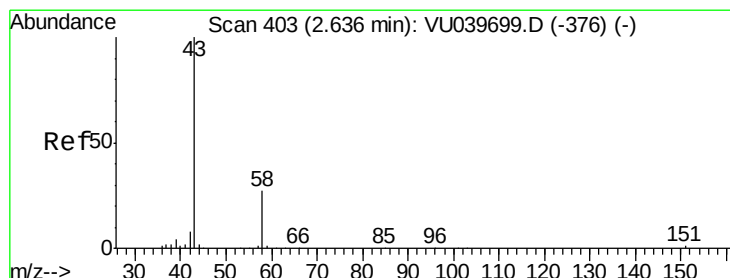
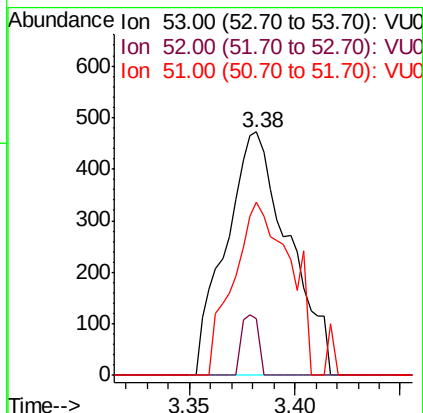
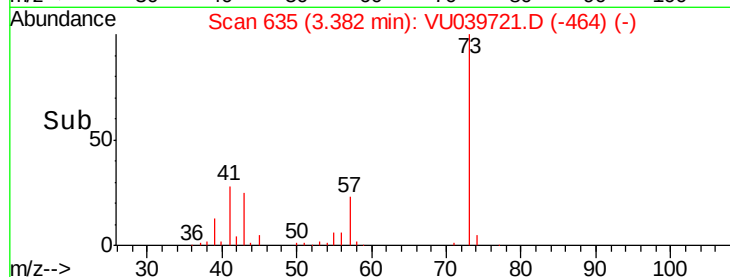


Abundance Ion 53.00 (52.70 to 53.70): VU039721.D (-464) (-)

Ion 52.00 (51.70 to 52.70): VU039721.D (-464) (-)

Ion 51.00 (50.70 to 51.70): VU039721.D (-464) (-)

Time-->



#13

Acetone

Concen: 0.429 ug/l

RT: 2.65 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU039721.D

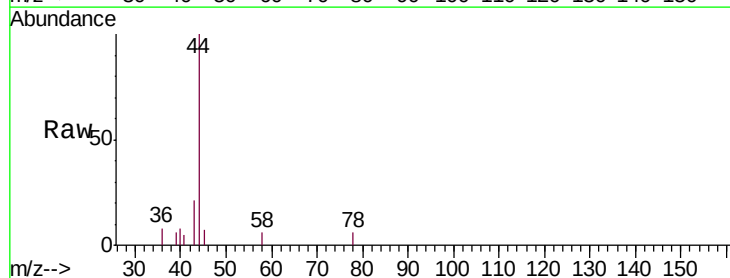
Acq: 30 Jul 2020 13:58

Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

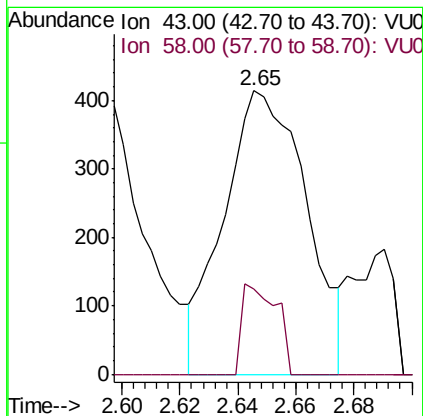
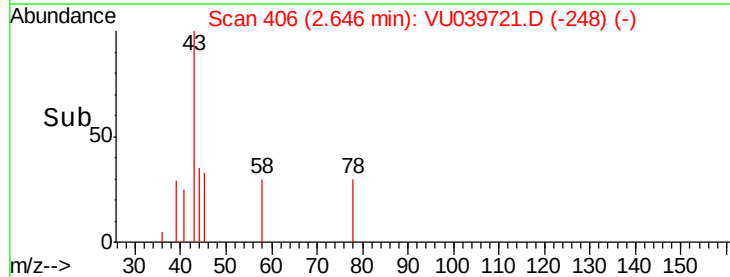
58 40.1 21.8 32.6#

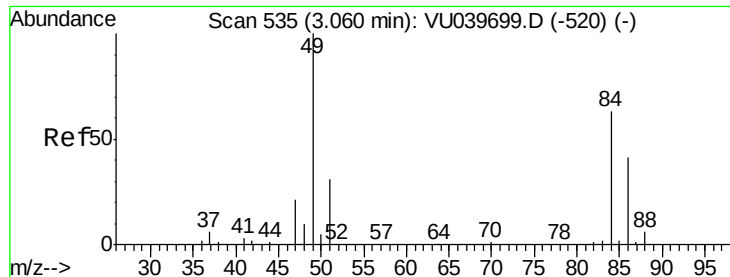


Abundance Ion 43.00 (42.70 to 43.70): VU039721.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VU039721.D (-248) (-)

Time-->

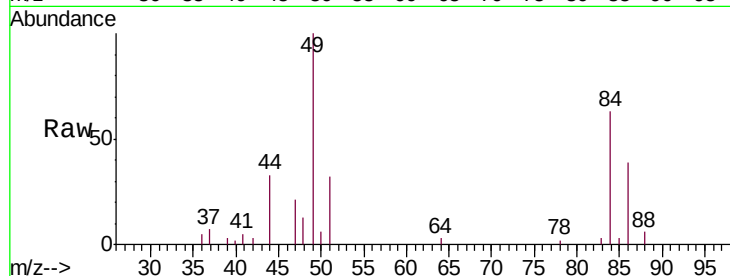




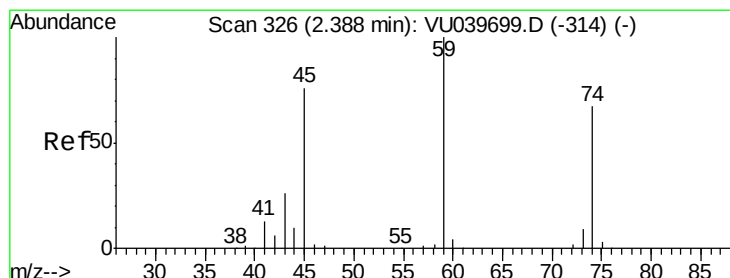
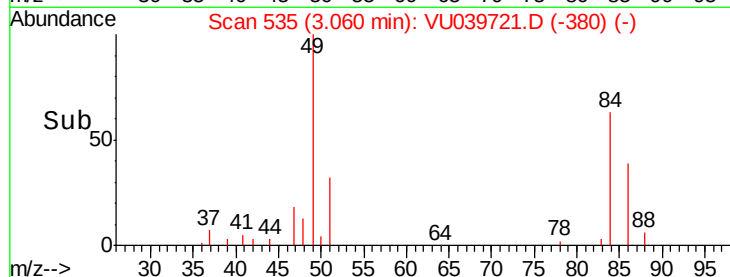
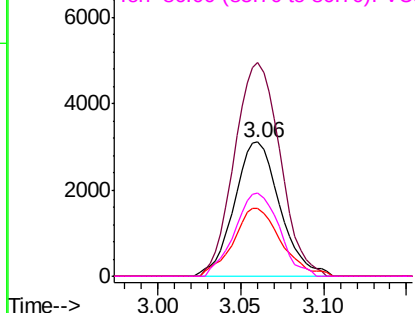
#15
Methylene Chloride
Concen: 0.740 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039721.D
Acq: 30 Jul 2020 13:58

Instrument :
MSVOA_U
ClientSampleId :
PT-ADD-WSDL

Tgt Ion:	84	Resp:	5976
Ion	Ratio	Lower	Upper
84	100		
49	159.6	126.8	190.2
51	50.7	0.0	97.2
86	62.2	51.4	77.2

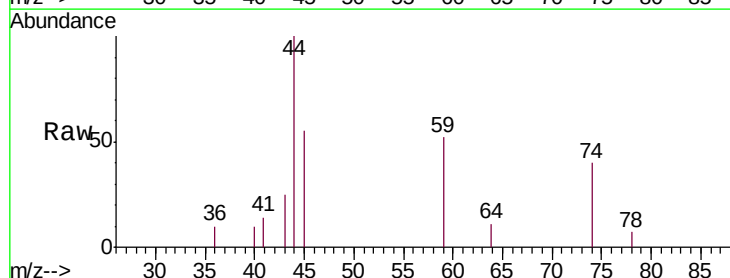


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

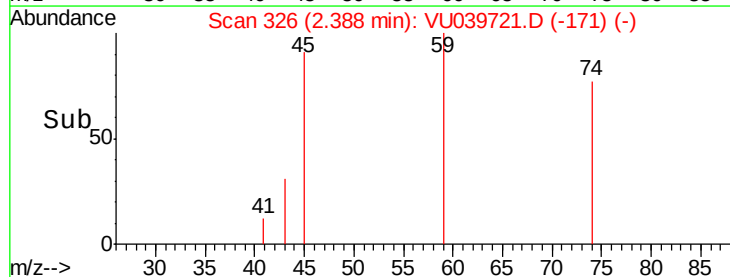
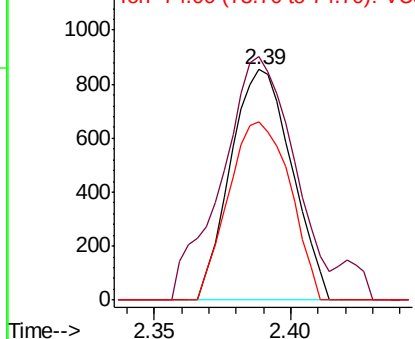


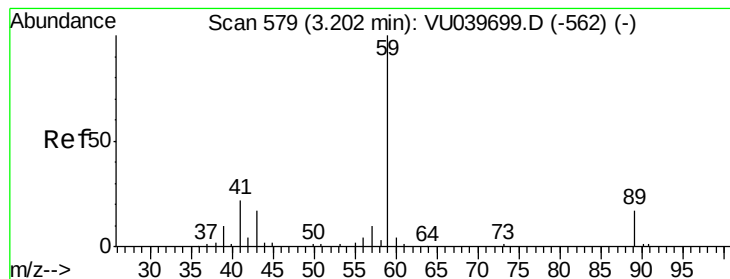
#23
Diethyl Ether
Concen: 0.224 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039721.D
Acq: 30 Jul 2020 13:58

Tgt Ion:	59	Resp:	1328
Ion	Ratio	Lower	Upper
59	100		
45	124.2	61.5	92.3#
74	78.2	54.3	81.5



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0





#24

tert-Butyl Alcohol

Concen: 3.426 ug/l

RT: 3.23 min Scan# 589

Delta R.T. 0.03 min

Lab File: VU039721.D

Acq: 30 Jul 2020 13:58

Instrument :

MSVOA_U

ClientSampleId :

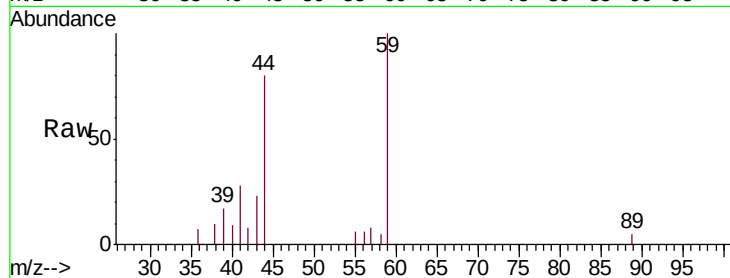
PT-ADD-WSDL

Tgt Ion: 59 Resp: 8093

Ion Ratio Lower Upper

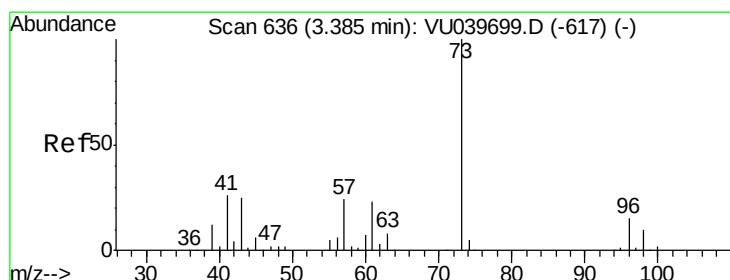
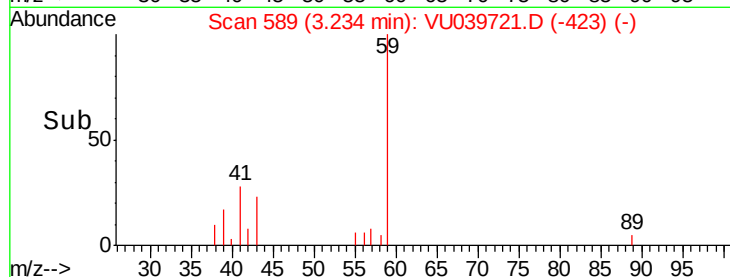
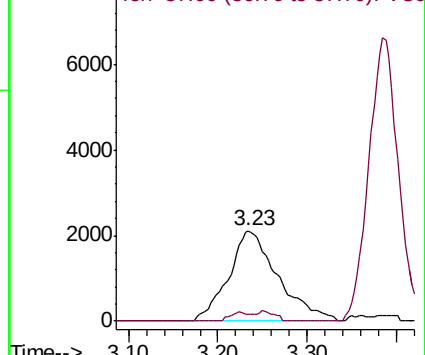
59 100

57 187.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VU039721.D (-562) (-)

Ion 57.00 (56.70 to 57.70): VU039721.D (-562) (-)



#25

Methyl tert-Butyl Ether

Concen: 3.426 ug/l

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU039721.D

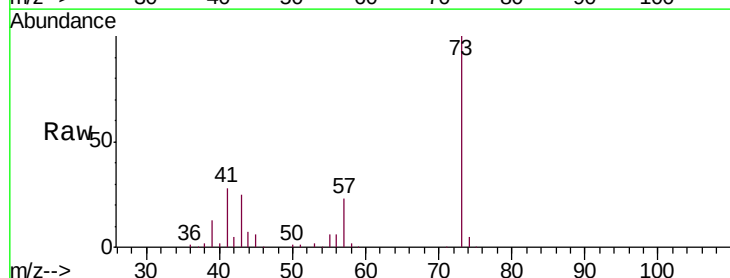
Acq: 30 Jul 2020 13:58

Tgt Ion: 73 Resp: 64765

Ion Ratio Lower Upper

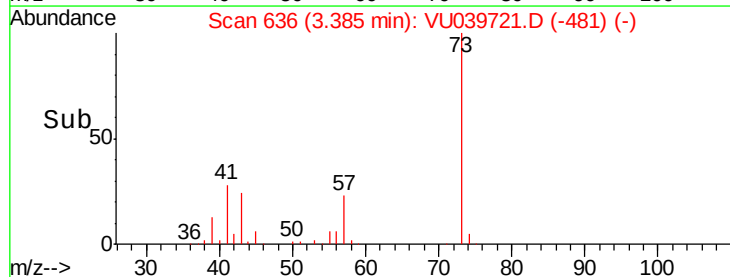
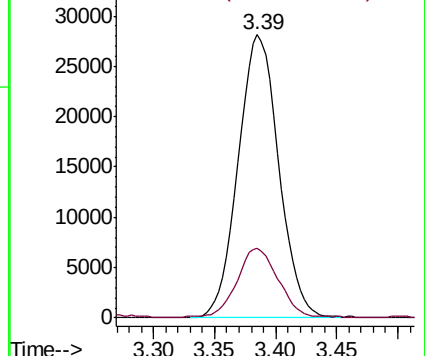
73 100

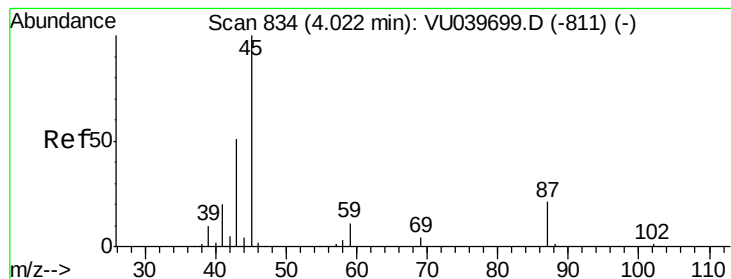
43 25.3 20.1 30.1



Abundance Ion 73.00 (72.70 to 73.70): VU039721.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU039721.D (-617) (-)





#31

Isopropyl Ether

Concen: 2.245 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039721.D

Acq: 30 Jul 2020 13:58

Instrument :

MSVOA_U

ClientSampleId :

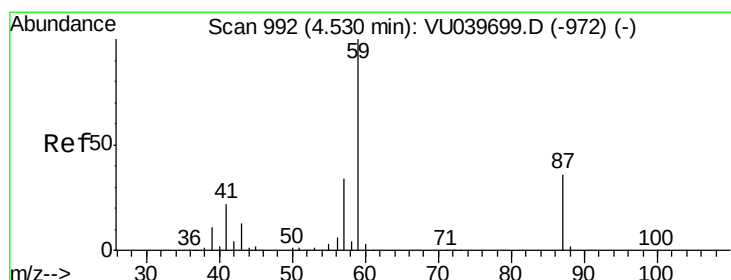
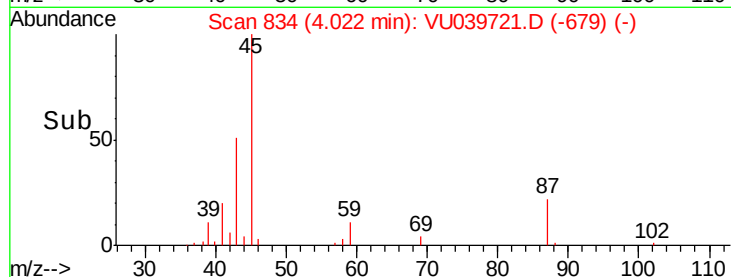
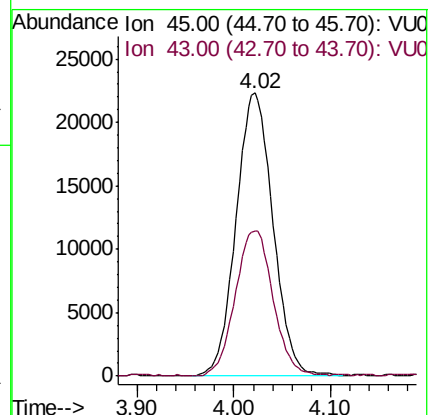
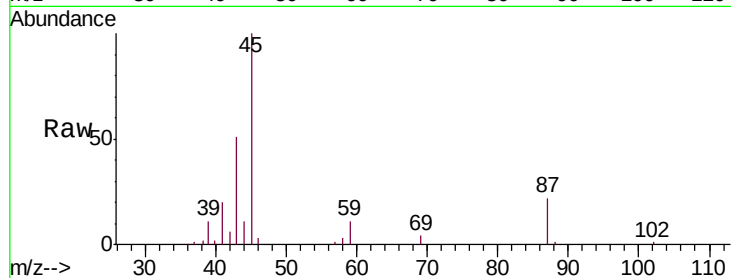
PT-ADD-WSDL

Tgt Ion: 45 Resp: 59220

Ion Ratio Lower Upper

45 100

43 52.8 26.5 79.4



#32

Ethyl-t-butyl ether

Concen: 2.465 ug/l

RT: 4.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU039721.D

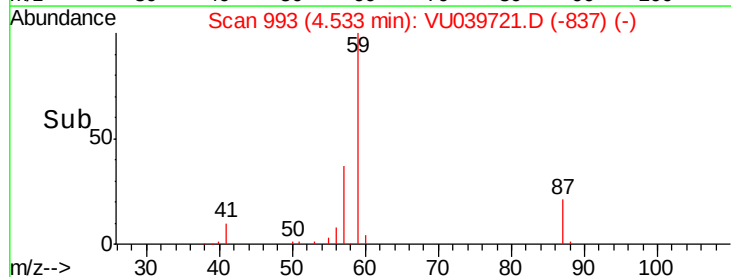
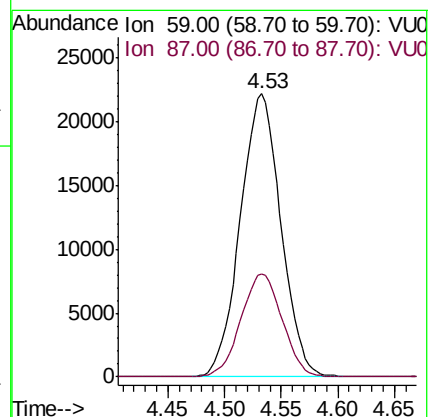
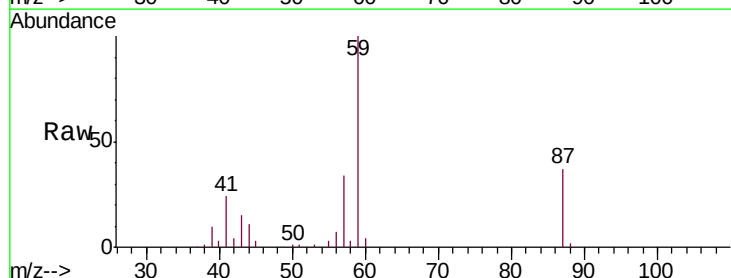
Acq: 30 Jul 2020 13:58

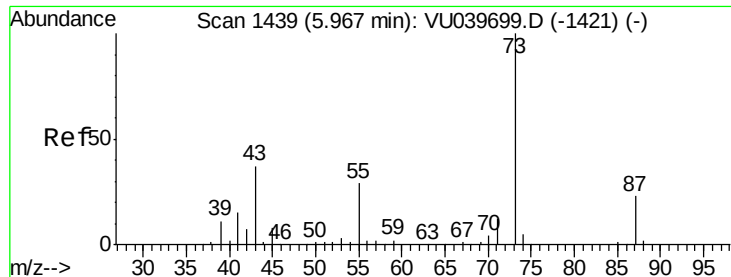
Tgt Ion: 59 Resp: 55323

Ion Ratio Lower Upper

59 100

87 36.9 29.4 44.0

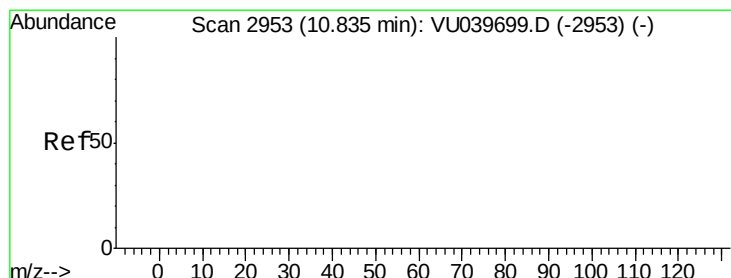
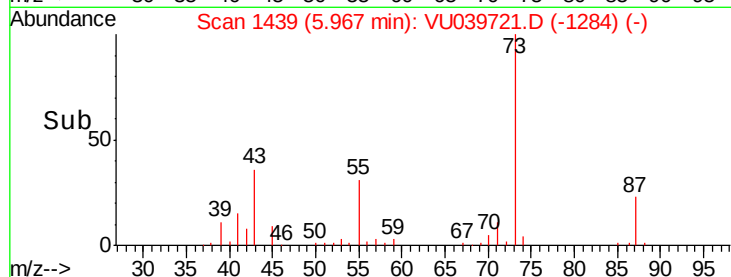
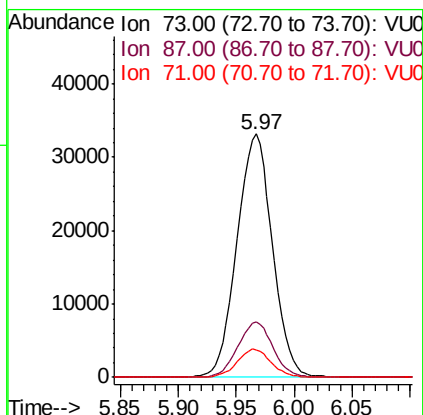
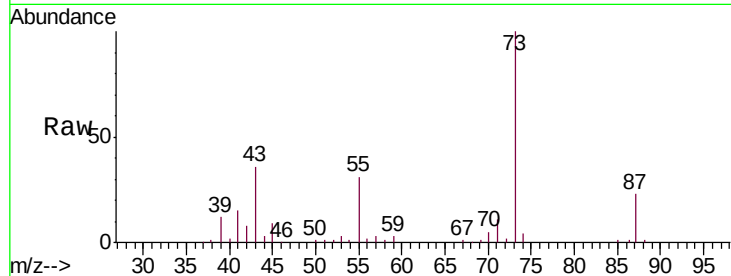




#33
Tert-Amyl methyl ether
Concen: 4.352 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039721.D
Acq: 30 Jul 2020 13:58

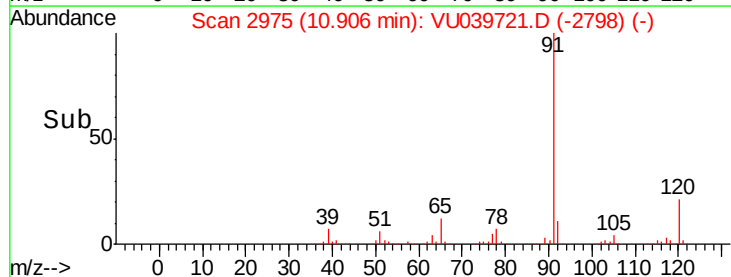
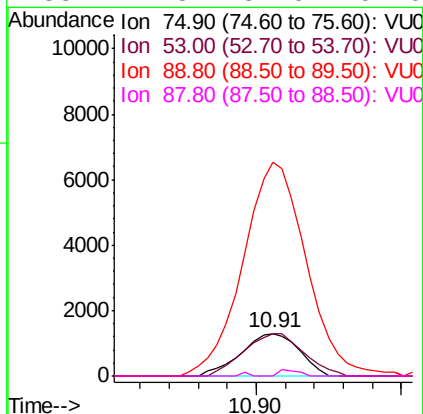
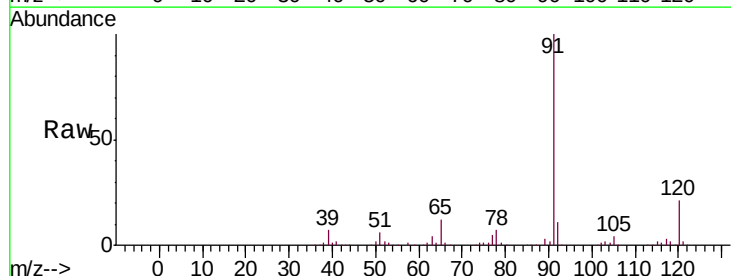
Instrument :
MSVOA_U
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PT-ADD-WSDL

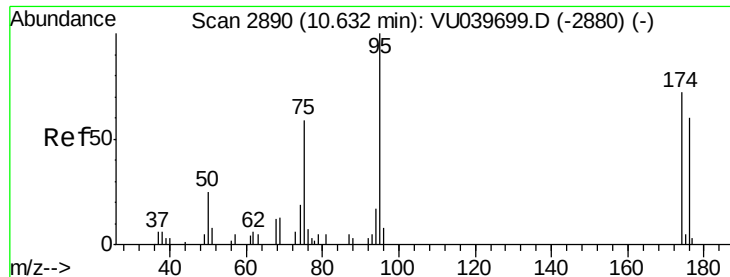
Tgt Ion: 73 Resp: 70436
Ion Ratio Lower Upper
73 100
87 22.4 18.7 28.1
71 11.2 9.1 13.7



#46
t-1,4-Dichloro-2-butene
Concen: 1.039 ug/l
RT: 10.91 min Scan# 2975
Delta R.T. 0.07 min
Lab File: VU039721.D
Acq: 30 Jul 2020 13:58

Tgt Ion: 75 Resp: 1812
Ion Ratio Lower Upper
75 100
53 102.4 78.6 118.0
89 548.6 40.3 60.5#
88 4.8 34.0 51.0#

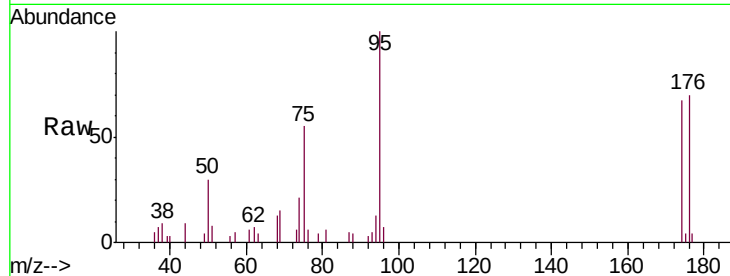




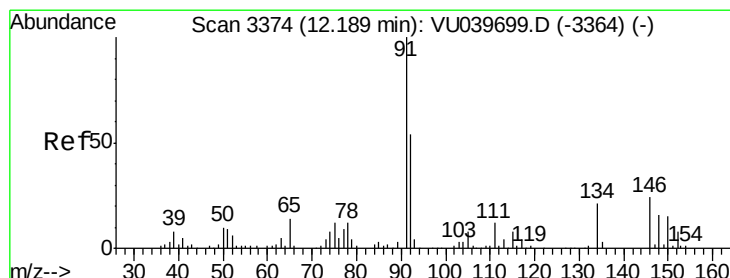
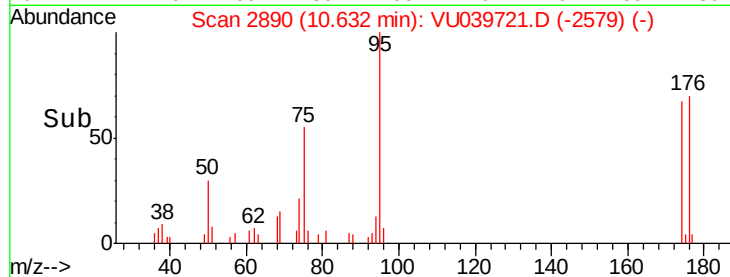
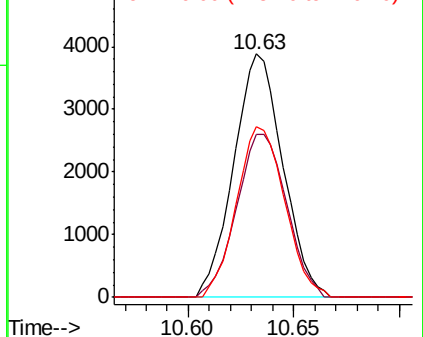
#57
 4-Bromofluorobenzene
 Concen: 0.771 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: VU039721.D
 Acq: 30 Jul 2020 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion: 95 Resp: 6280
 Ion Ratio Lower Upper
 95 100
 174 68.4 57.0 85.4
 176 68.7 50.2 75.2

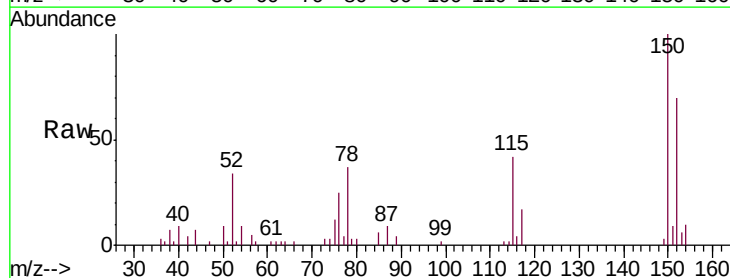


Abundance Ion 95.00 (94.70 to 95.70): VU
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

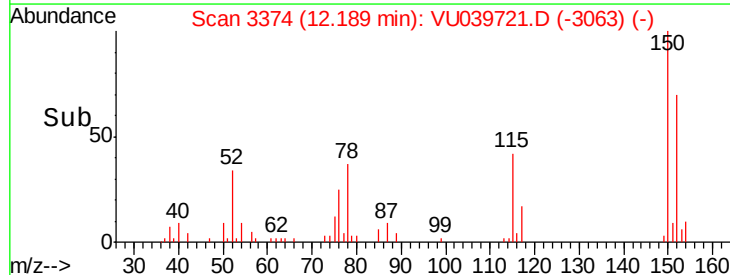
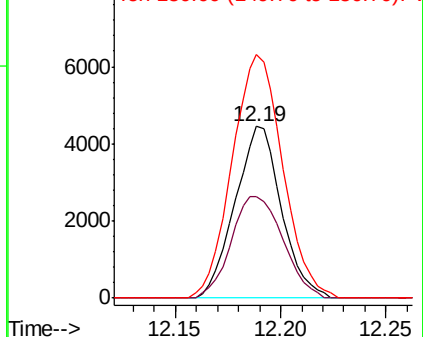


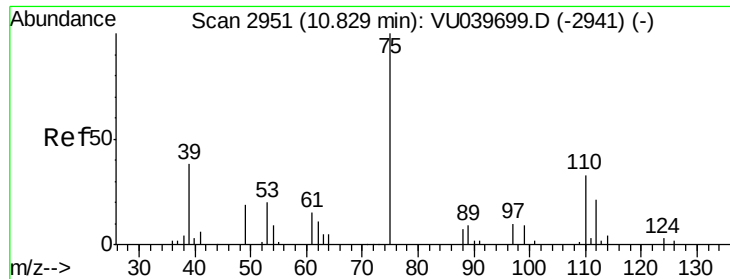
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.851 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU039721.D
 Acq: 30 Jul 2020 13:58

Tgt Ion: 152 Resp: 6784
 Ion Ratio Lower Upper
 152 100
 115 66.0 0.0 302.4
 150 154.8 0.0 645.8



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

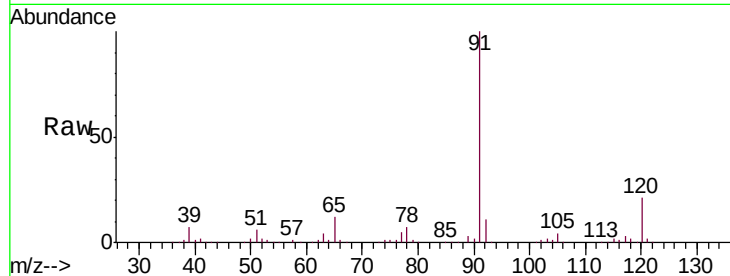




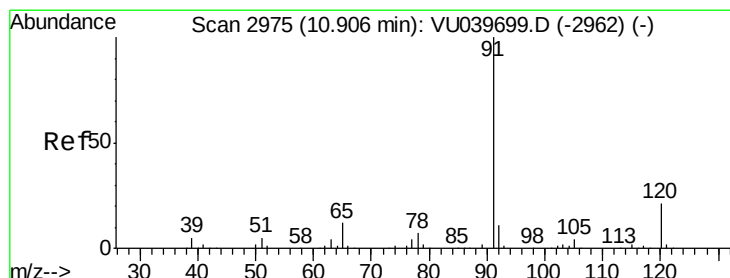
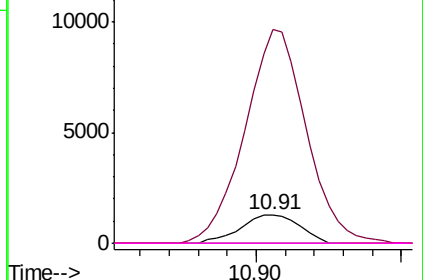
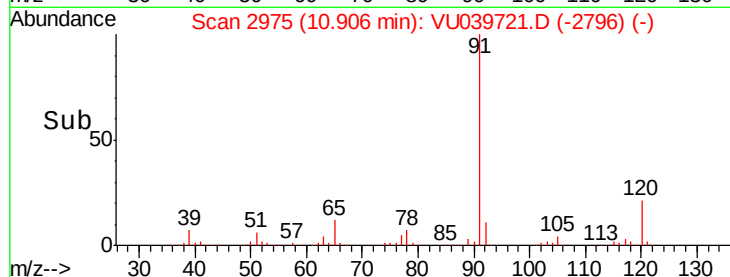
#71
 1,2,3-Trichloropropane
 Concen: 0.332 ug/l
 RT: 10.91 min Scan# 2975
 Delta R.T. 0.08 min
 Lab File: VU039721.D
 Acq: 30 Jul 2020 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion:	75	Resp:	1812
Ion	Ratio	Lower	Upper
75	100		
77	784.3	0.0	91.0#
110	0.0	0.0	64.2
97	0.0	0.0	32.6

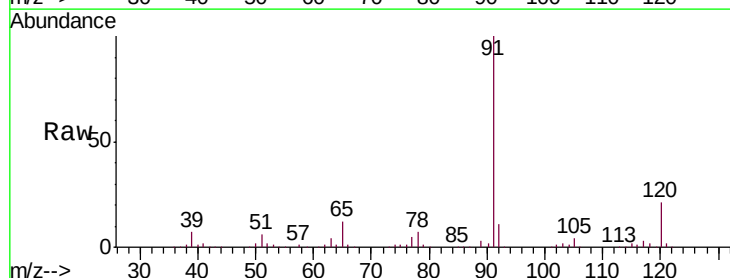


Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2941) (-)
 Ion 77.00 (76.70 to 77.70): VU039699.D (-2941) (-)
 Ion 110.00 (109.70 to 110.70): VU039699.D (-2941) (-)
 Ion 97.00 (96.70 to 97.70): VU039699.D (-2941) (-)

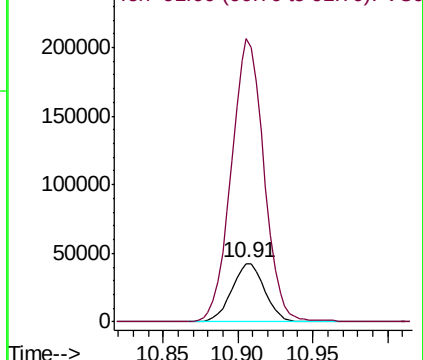
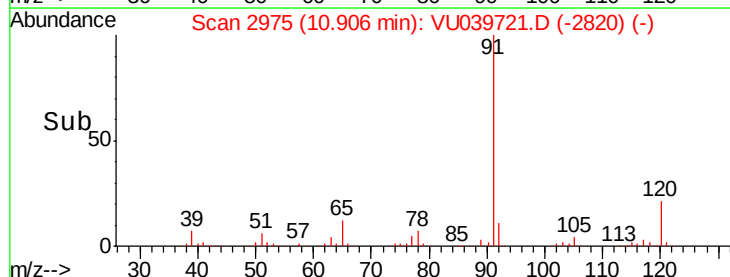


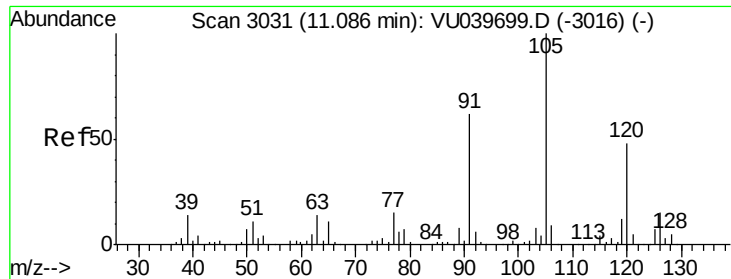
#73
 n-propylbenzene
 Concen: 8.126 ug/l
 RT: 10.91 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: VU039721.D
 Acq: 30 Jul 2020 13:58

Tgt Ion:	120	Resp:	65141
Ion	Ratio	Lower	Upper
120	100		
91	482.1	371.7	557.5



Abundance Ion 120.00 (119.70 to 120.70): VU039699.D (-2962) (-)
 Ion 91.00 (90.70 to 91.70): VU039699.D (-2962) (-)





#75
 1,3,5-Trimethylbenzene
 Concen: 0.440 ug/l
 RT: 10.91 min Scan# 2975
 Delta R.T. -0.18 min
 Lab File: VU039721.D
 Acq: 30 Jul 2020 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-ADD-WSDL

Tgt Ion:105 Resp: 10850
 Ion Ratio Lower Upper
 105 100
 120 600.4 38.0 57.0#

