

Data File : VU039722.D
Acq On : 30 Jul 2020 14:39
Operator : SY/MD
Sample : L3319-09DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

Quant Time: Jul 31 06:18:16 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

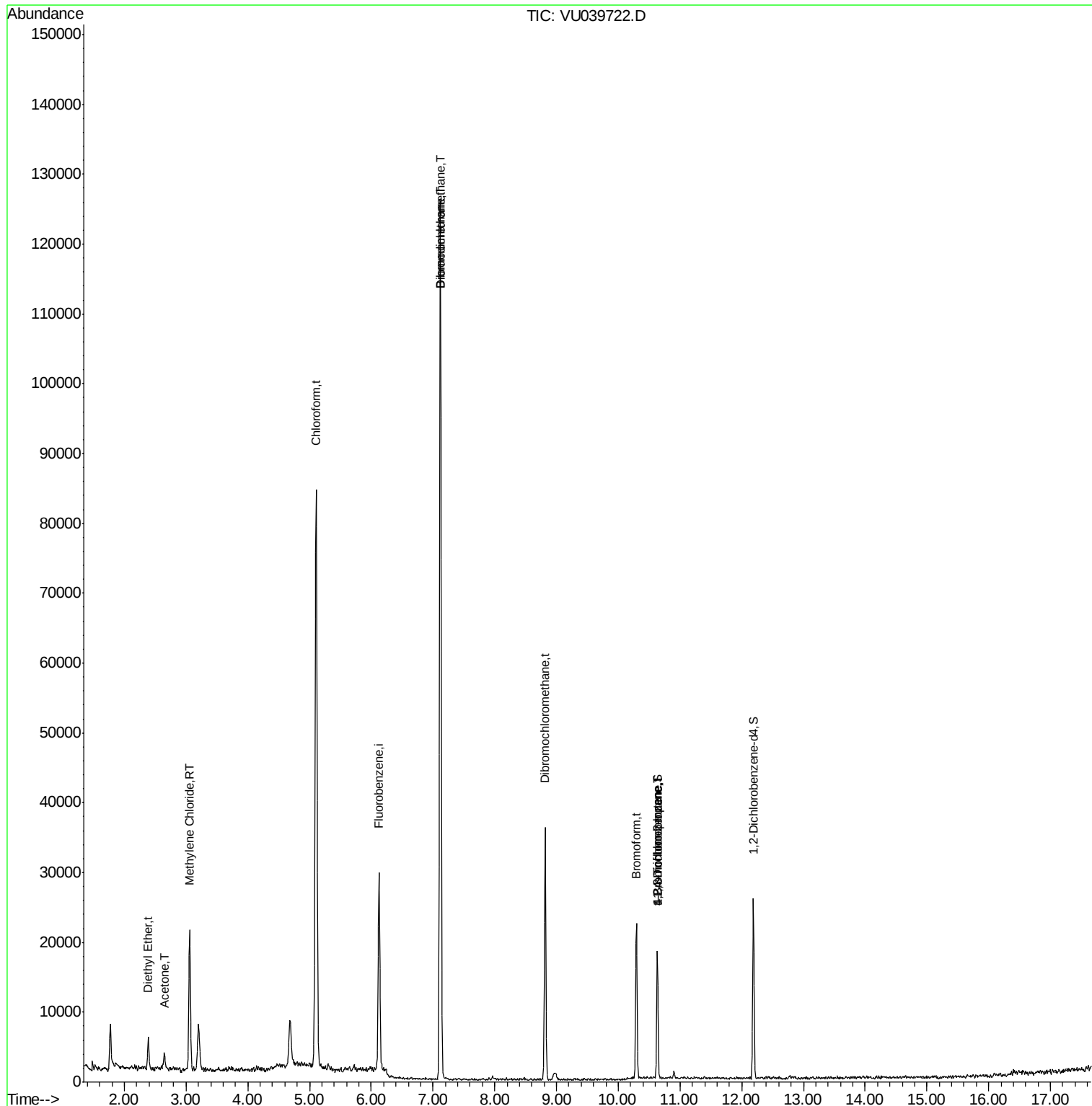
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	22928	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	6113	0.68	ug/l	0.00
Spiked Amount 1.000			Recovery	=	68.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6300	0.72	ug/l	0.00
Spiked Amount 1.000			Recovery	=	72.00%	
Target Compounds						
					Qvalue	
13) Acetone	2.64	43	1073	0.510	ug/l	96
15) Methylene Chloride	3.06	84	7795	0.878	ug/l	95
23) Diethyl Ether	2.39	59	1923	0.295	ug/l	90
24) tert-Butyl Alcohol	3.20	59	4437	Below Cal	#	74
27) Chloroform	5.11	83	66938	4.497	ug/l	99
43) Dibromomethane	7.12	93	2706	0.636	ug/l #	9
44) Bromodichloromethane	7.12	83	75481	7.737	ug/l	99
46) t-1,4-Dichloro-2-butene	10.63	75	3278	1.710	ug/l #	16
55) Dibromochloromethane	8.82	129	16744	2.821	ug/l	98
67) Bromoform	10.29	173	8896	2.938	ug/l	100
71) 1,2,3-Trichloropropane	10.63	75	3278	0.547	ug/l #	40

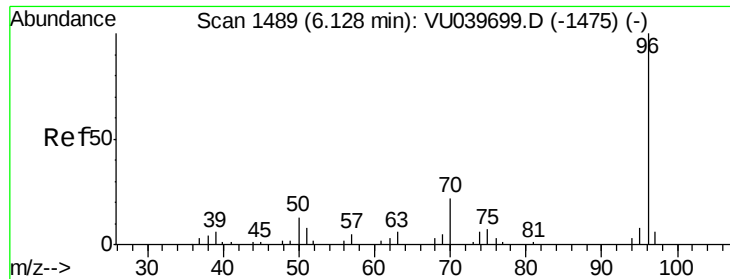
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

Tgt Ion: 96 Resp: 22928

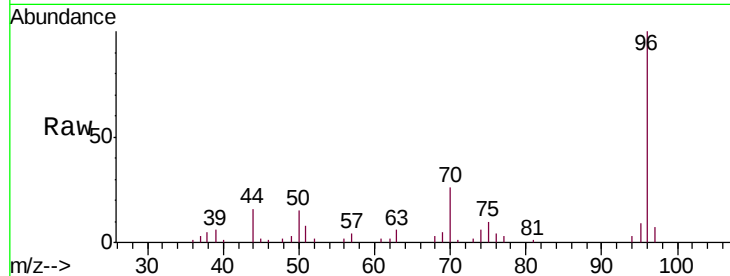
Ion Ratio Lower Upper

96 100

70 23.3 16.3 24.5

95 8.2 6.8 10.2

97 6.6 0.0 0.0#

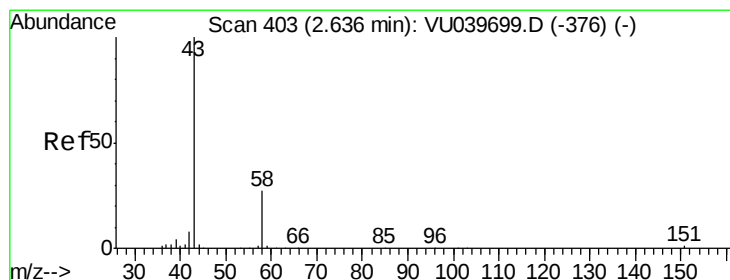
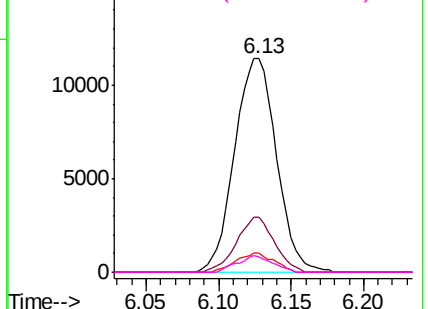
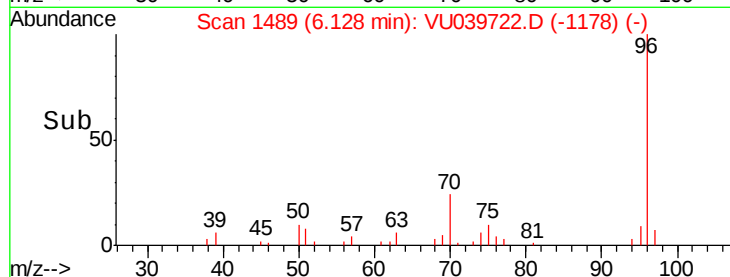


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#13

Acetone

Concen: 0.510 ug/l

RT: 2.64 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU039722.D

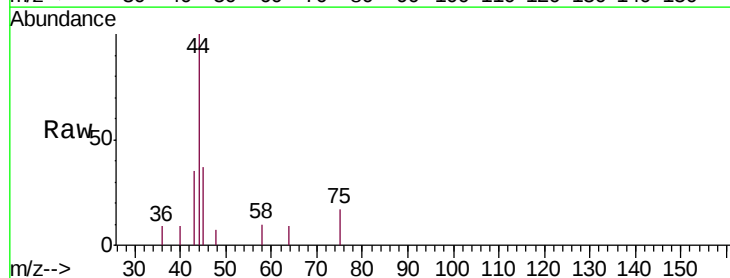
Acq: 30 Jul 2020 14:39

Tgt Ion: 43 Resp: 1073

Ion Ratio Lower Upper

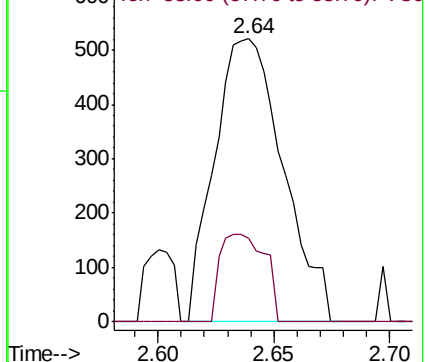
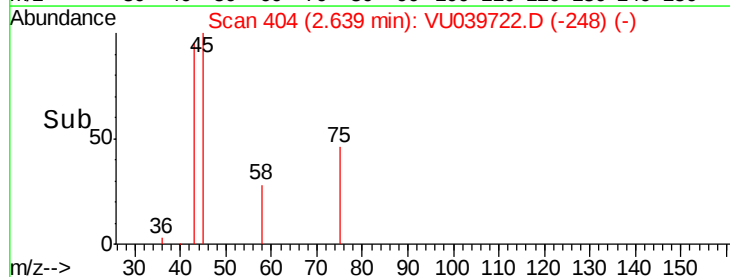
43 100

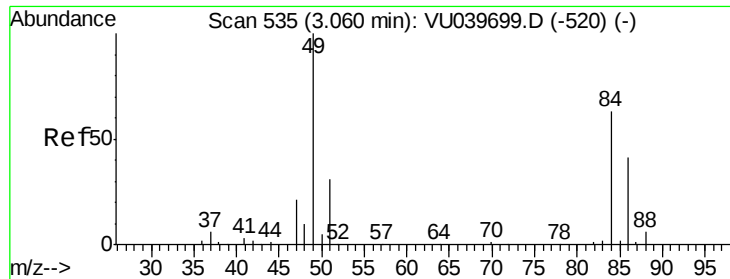
58 29.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methylene Chloride

Concen: 0.878 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

Tgt Ion: 84 Resp: 7795

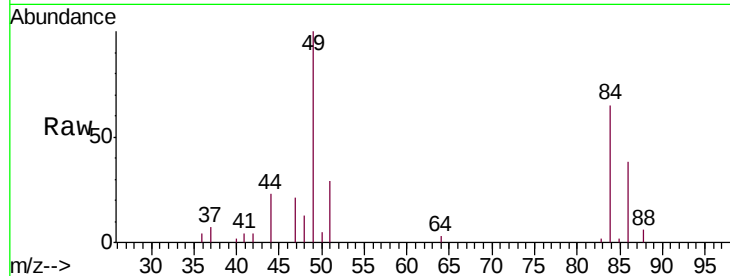
Ion Ratio Lower Upper

84 100

49 153.1 126.8 190.2

51 44.9 0.0 97.2

86 58.3 51.4 77.2

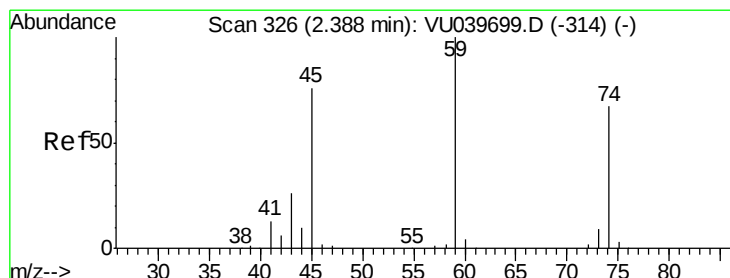
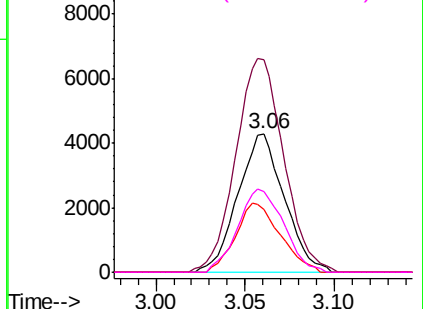
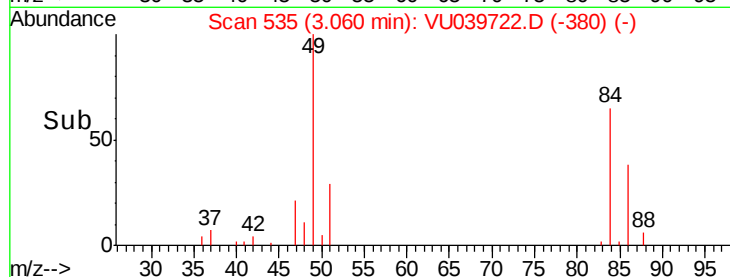


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 0.295 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

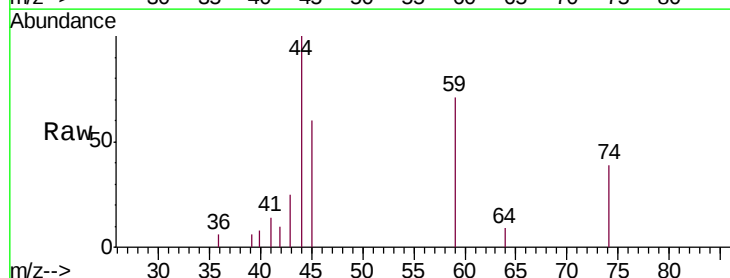
Tgt Ion: 59 Resp: 1923

Ion Ratio Lower Upper

59 100

45 91.0 61.5 92.3

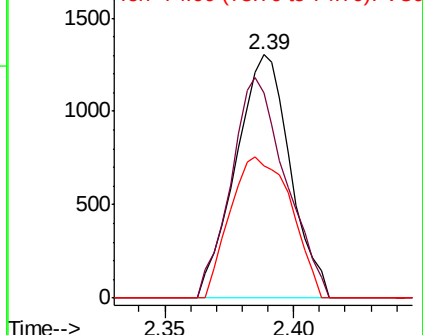
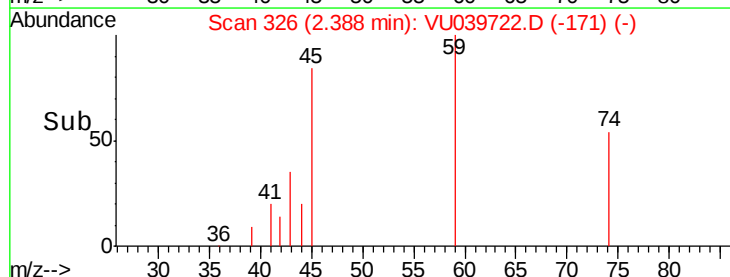
74 65.0 54.3 81.5

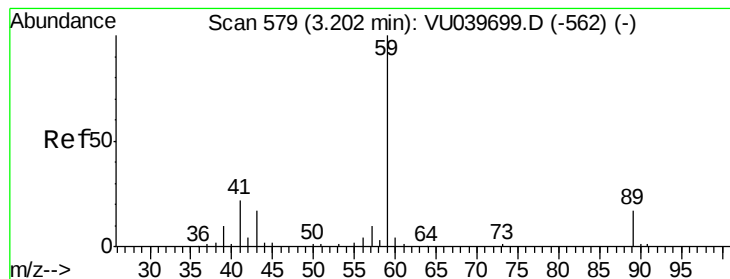


Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#24

tert-Butyl Alcohol

Concen: Below Cal

RT: 3.20 min Scan# 579

Delta R.T. 0.00 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

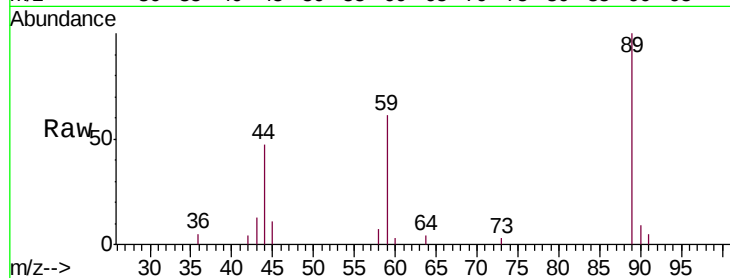
PT-THM-WSDL

Tgt Ion: 59 Resp: 4437

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

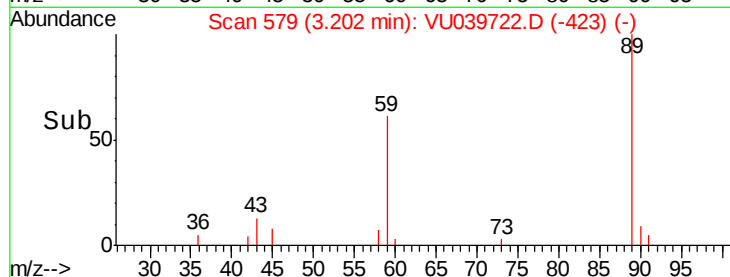


Abundance Ion 59.00 (58.70 to 59.70): VU039699.D (-562) (-)

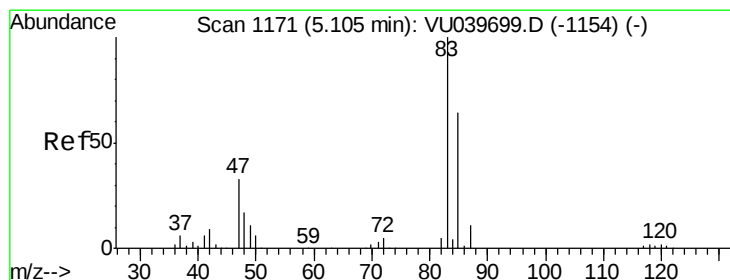
Ion 57.00 (56.70 to 57.70): VU039699.D (-562) (-)

3.20

3.15 3.20 3.25



Time-->



#27

Chloroform

Concen: 4.497 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039722.D

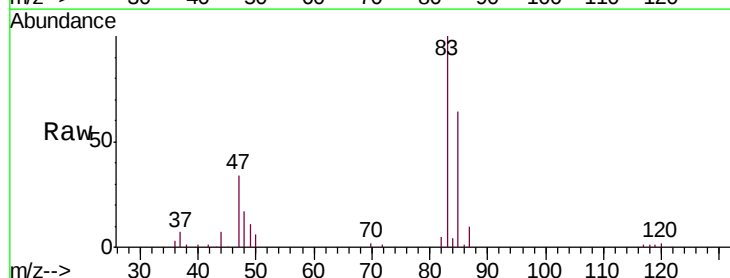
Acq: 30 Jul 2020 14:39

Tgt Ion: 83 Resp: 66938

Ion Ratio Lower Upper

83 100

85 63.8 0.0 128.8

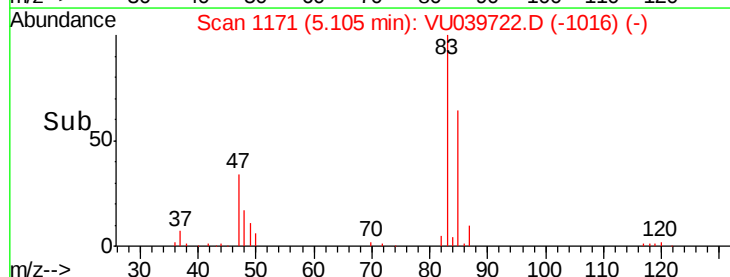


Abundance Ion 83.00 (82.70 to 83.70): VU039699.D (-1154) (-)

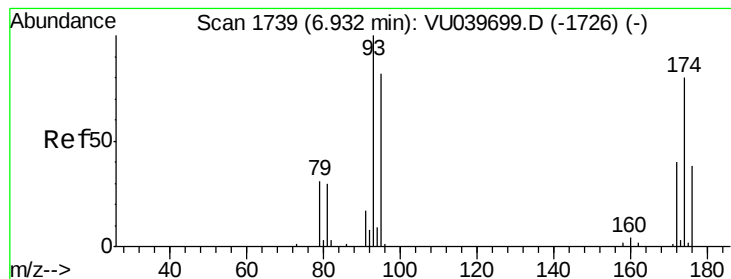
Ion 85.00 (84.70 to 85.70): VU039699.D (-1154) (-)

5.11

5.00 5.05 5.10 5.15 5.20



Time-->



#43

Dibromomethane

Concen: 0.636 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. 0.19 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

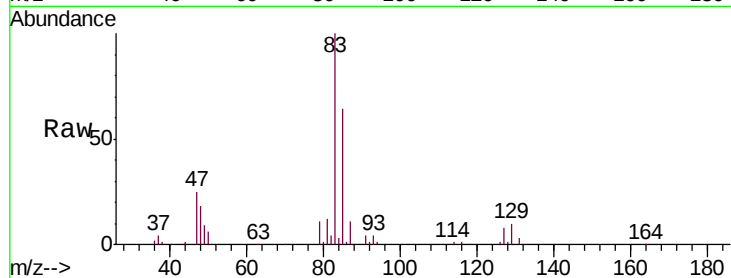
Tgt Ion: 93 Resp: 2706

Ion Ratio Lower Upper

93 100

95 0.0 66.6 99.8#

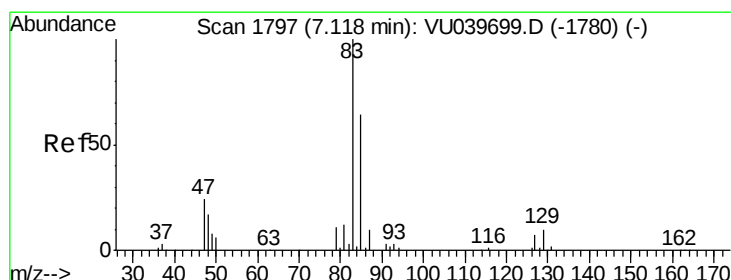
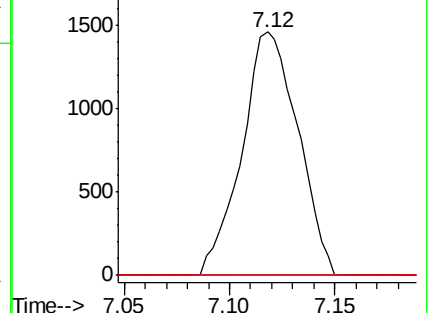
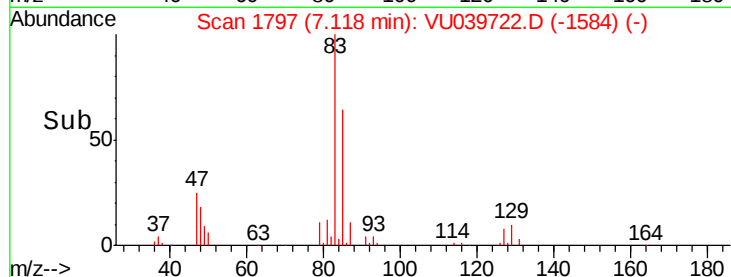
174 0.0 62.7 94.1#



Abundance Ion 93.00 (92.70 to 93.70): VU039722.D (-1584) (-)

Ion 95.00 (94.70 to 95.70): VU039722.D (-1584) (-)

Ion 174.00 (173.70 to 174.70): VU039722.D (-1584) (-)



#44

Bromodichloromethane

Concen: 7.737 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039722.D

Acq: 30 Jul 2020 14:39

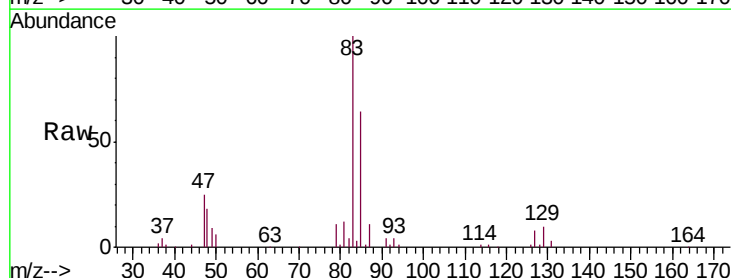
Tgt Ion: 83 Resp: 75481

Ion Ratio Lower Upper

83 100

85 63.9 50.8 76.2

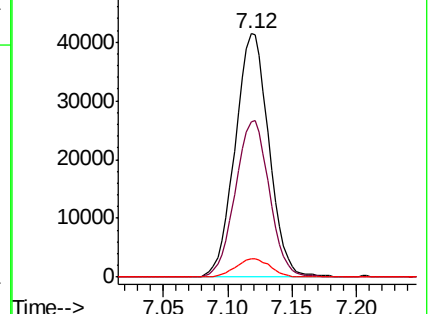
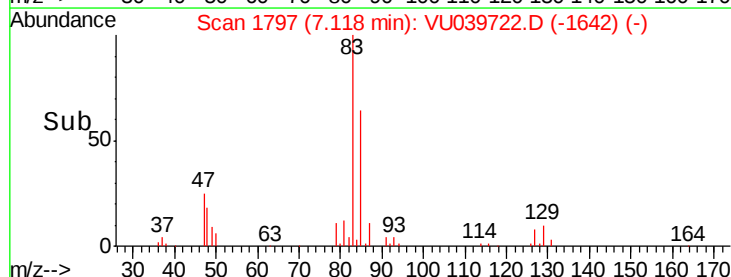
127 7.6 5.8 8.6

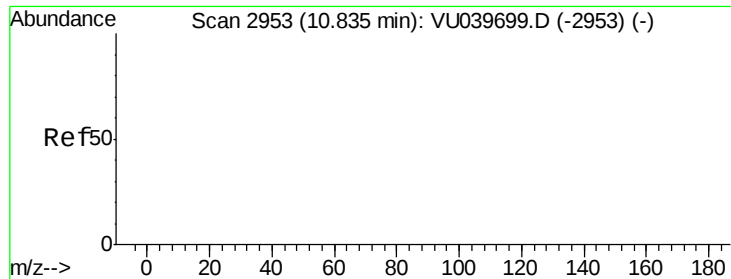


Abundance Ion 83.00 (82.70 to 83.70): VU039722.D (-1642) (-)

Ion 85.00 (84.70 to 85.70): VU039722.D (-1642) (-)

Ion 127.00 (126.70 to 127.70): VU039722.D (-1642) (-)

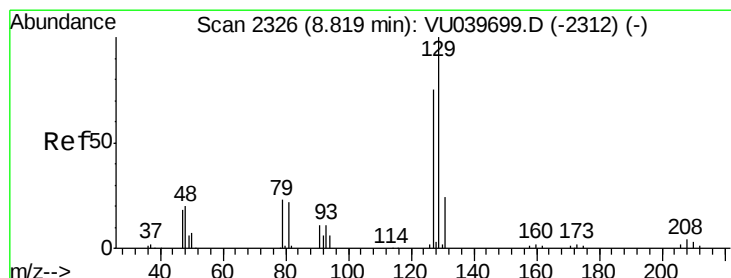
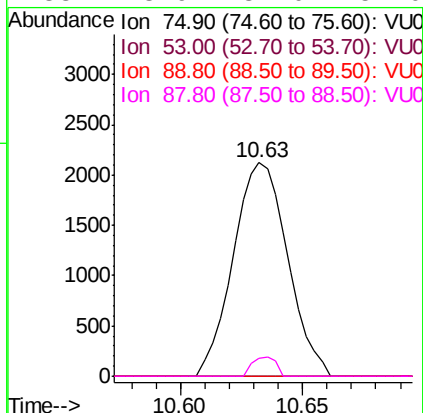
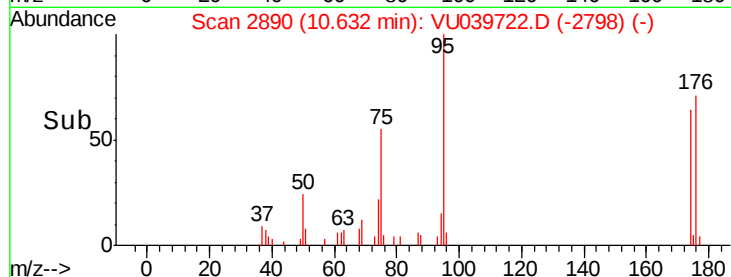
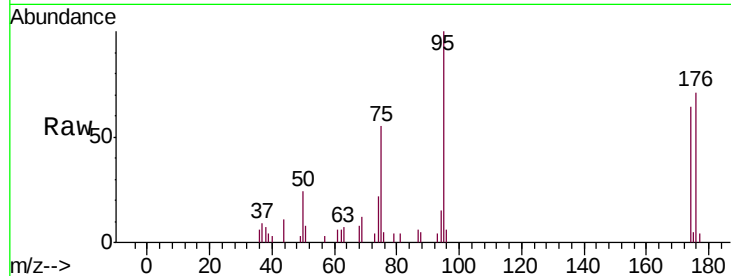




#46
t-1,4-Dichloro-2-butene
Concen: 1.710 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.20 min
Lab File: VU039722.D
Acq: 30 Jul 2020 14:39

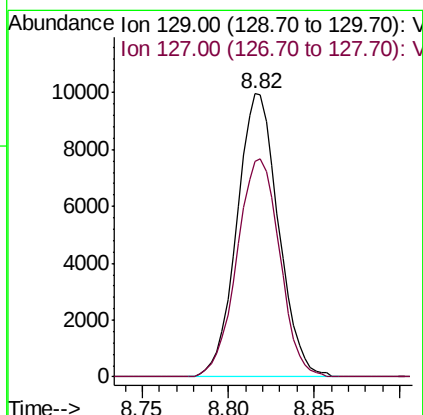
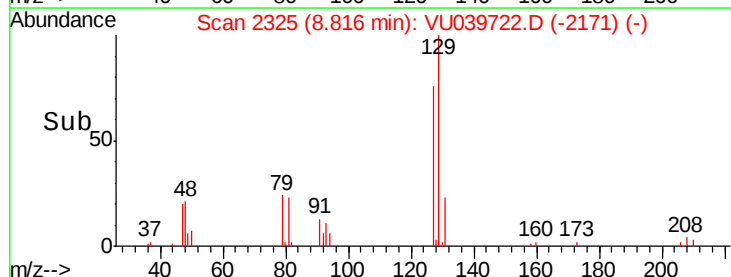
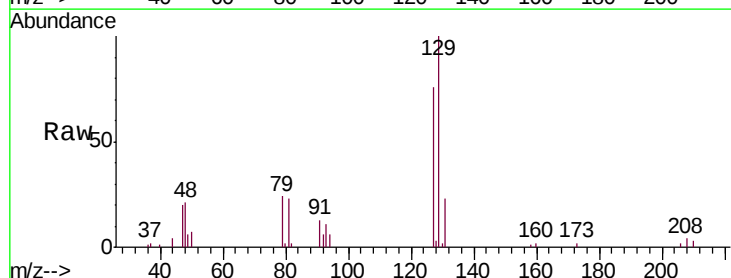
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

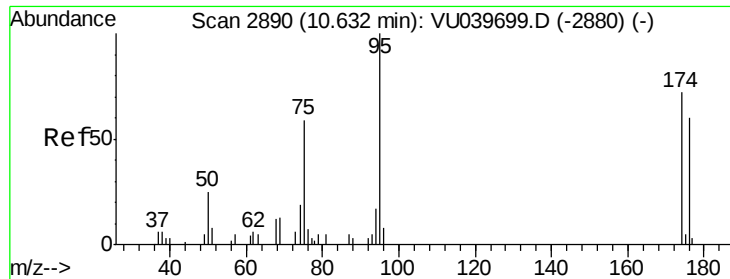
Tgt Ion: 75 Resp: 3278
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.0 40.3 60.5#
88 3.9 34.0 51.0#



#55
Dibromochloromethane
Concen: 2.821 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039722.D
Acq: 30 Jul 2020 14:39

Tgt Ion: 129 Resp: 16744
Ion Ratio Lower Upper
129 100
127 79.4 62.4 93.6

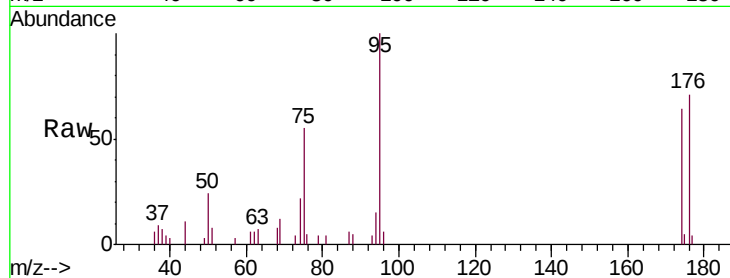




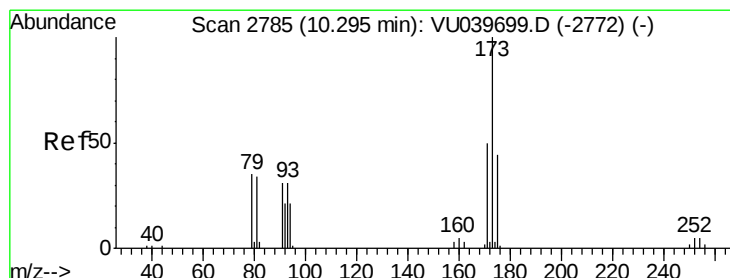
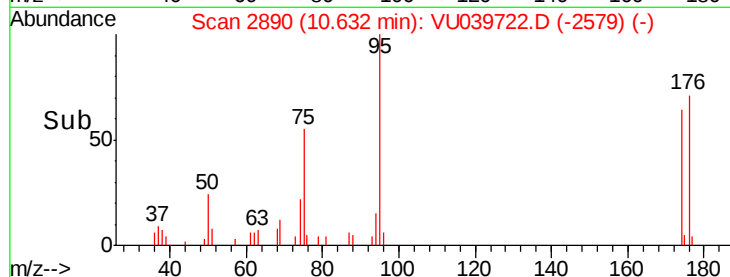
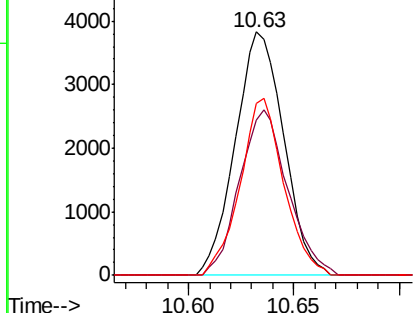
#57
 4-Bromofluorobenzene
 Concen: 0.682 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: VU039722.D
 Acq: 30 Jul 2020 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

Tgt Ion: 95 Resp: 6113
 Ion Ratio Lower Upper
 95 100
 174 67.6 57.0 85.4
 176 65.5 50.2 75.2

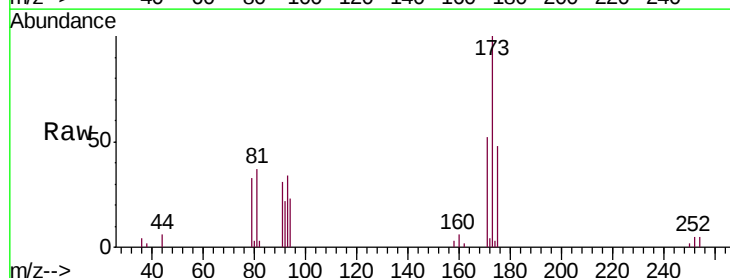


Abundance Ion 95.00 (94.70 to 95.70): VU039699.D (-2880) (-)
 Ion 174.00 (173.70 to 174.70): VU039699.D (-2880) (-)
 Ion 176.00 (175.70 to 176.70): VU039699.D (-2880) (-)

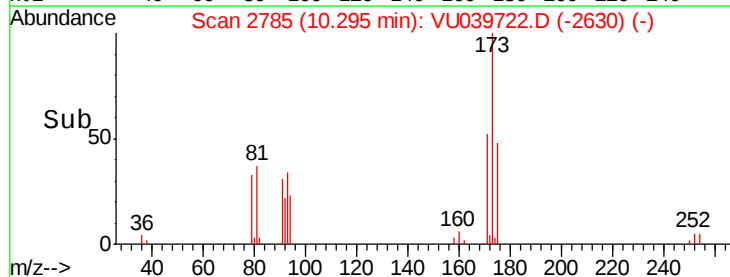
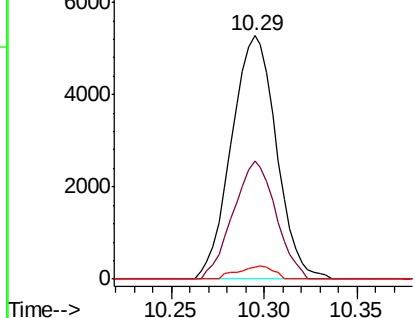


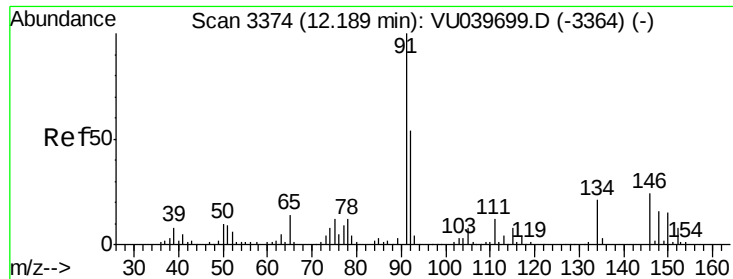
#67
 Bromoform
 Concen: 2.938 ug/l
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039722.D
 Acq: 30 Jul 2020 14:39

Tgt Ion: 173 Resp: 8896
 Ion Ratio Lower Upper
 173 100
 175 45.9 36.7 55.1
 254 4.2 3.8 5.8



Abundance Ion 172.90 (172.60 to 173.60): VU039699.D (-2772) (-)
 Ion 174.90 (174.60 to 175.60): VU039699.D (-2772) (-)
 Ion 253.75 (253.45 to 254.45): VU039699.D (-2772) (-)

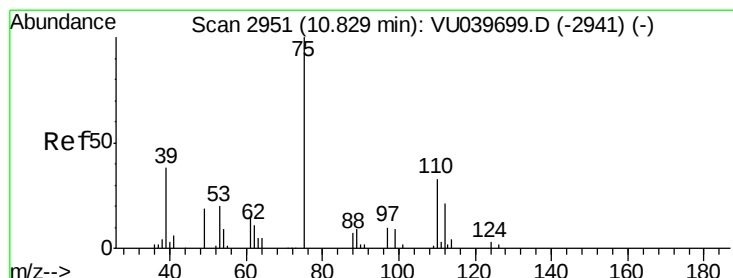
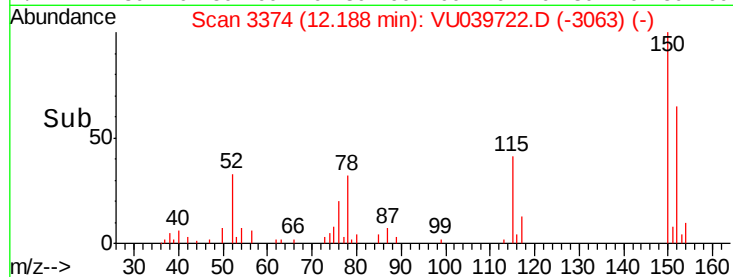
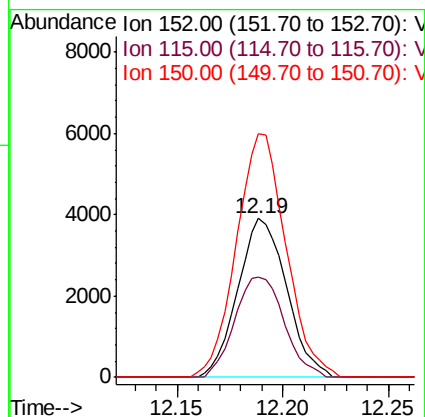
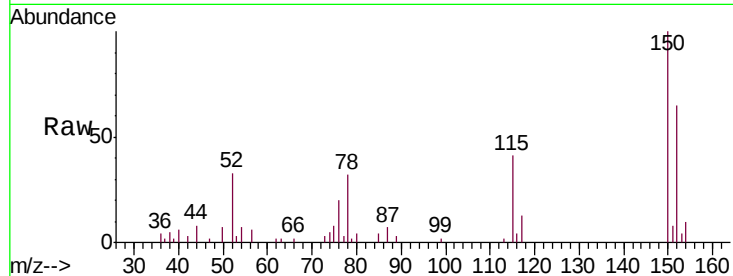




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.718 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU039722.D
 Acq: 30 Jul 2020 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

Tgt Ion: 152 Resp: 6300
 Ion Ratio Lower Upper
 152 100
 115 63.8 0.0 302.4
 150 155.1 0.0 645.8



#71
 1,2,3-Trichloropropane
 Concen: 0.547 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.20 min
 Lab File: VU039722.D
 Acq: 30 Jul 2020 14:39

Tgt Ion: 75 Resp: 3278
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 91.0
 110 0.0 0.0 64.2
 97 0.0 0.0 32.6

