

Data File : VU029320.D
Acq On : 30 Jan 2019 17:07
Operator : JC/SP
Sample : K1161-09DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

Quant Time: Jan 31 06:26:24 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

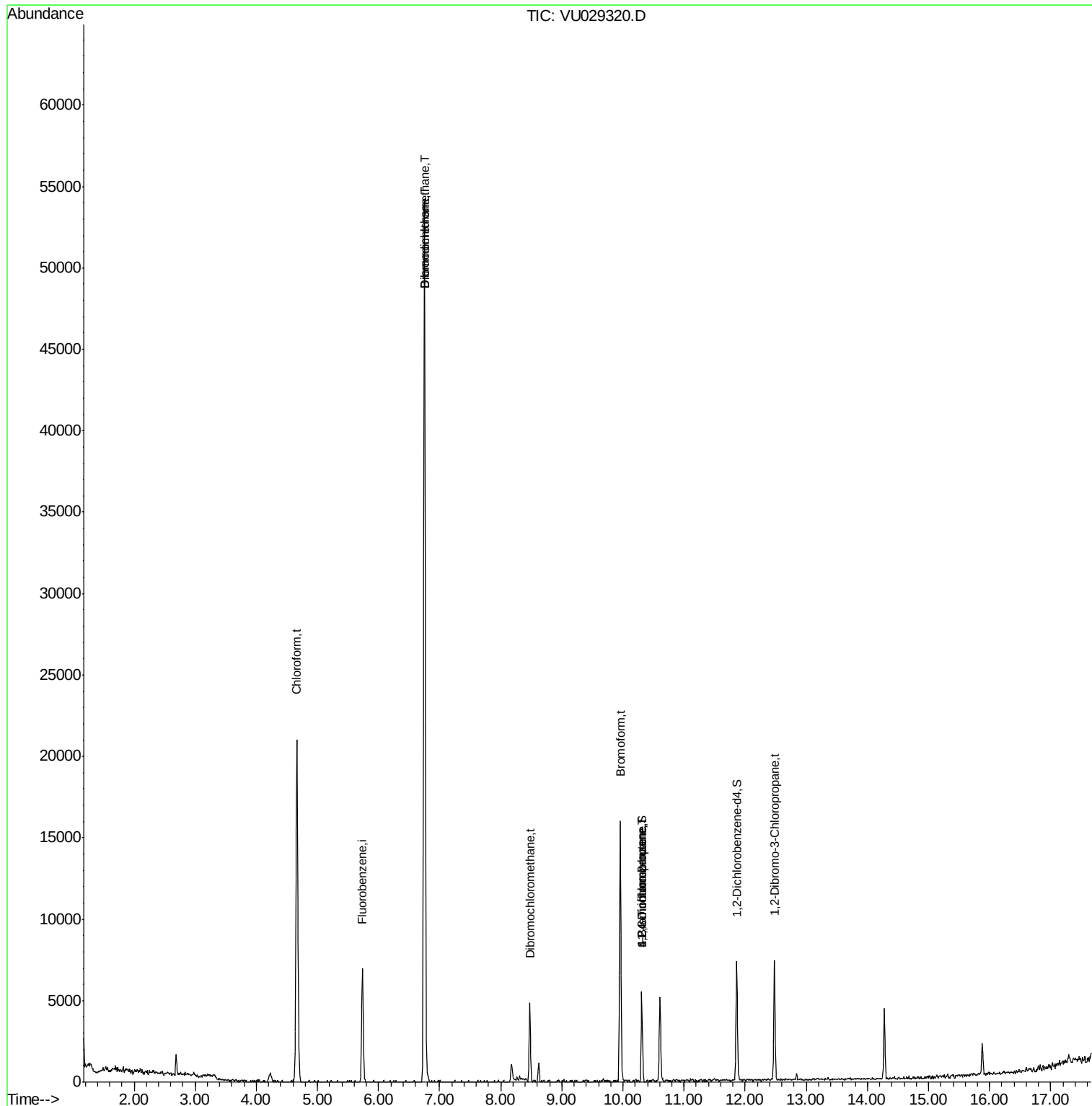
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	6983	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	2138	0.79	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	2396	0.88	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.00%	
Target Compounds						
						Qvalue
27) Chloroform	4.67	83	19503	4.150	ug/l	99
43) Dibromomethane	6.75	93	1069	0.879	ug/l #	4
44) Bromodichloromethane	6.75	83	34903	9.869	ug/l	97
46) t-1,4-Dichloro-2-butene	10.31	75	1034	1.824	ug/l #	13
55) Dibromochloromethane	8.48	129	2845	1.325	ug/l	100
67) Bromoform	9.95	173	7331	5.902	ug/l	99
71) 1,2,3-Trichloropropane	10.31	75	1034	0.572	ug/l #	49
86) 1,2-Dibromo-3-Chloropropan	12.48	75	127	0.325	ug/l #	11
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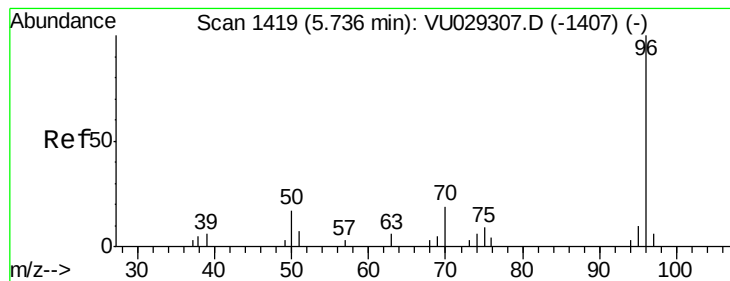
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029320.D

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Instrument :

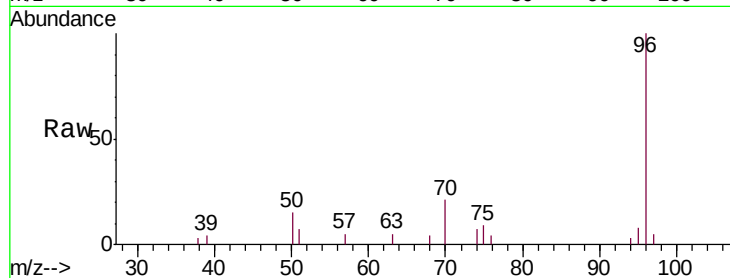
MSVOA_U

ClientSampleId :

PT-THM-WSDL

Tgt Ion: 96 Resp: 6983

Ion	Ratio	Lower	Upper
96	100		
70	21.6	16.2	24.2
95	8.8	7.4	11.2
97	4.3	0.0	0.0#

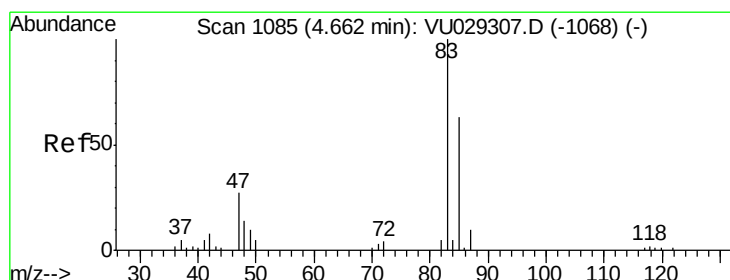
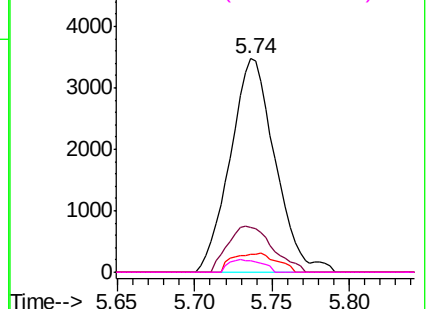
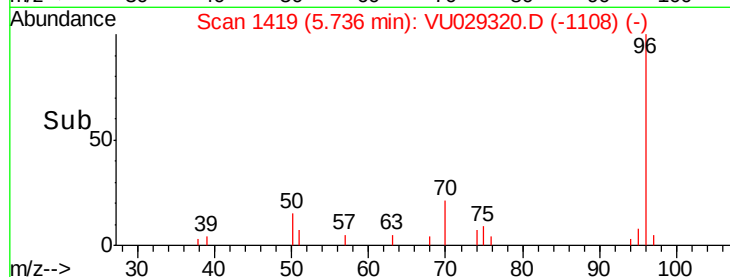


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#27

Chloroform

Concen: 4.150 ug/l

RT: 4.67 min Scan# 1086

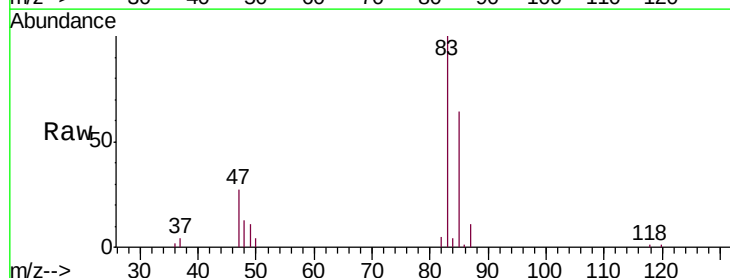
Delta R.T. 0.00 min

Lab File: VU029320.D

Acq: 30 Jan 2019 17:07

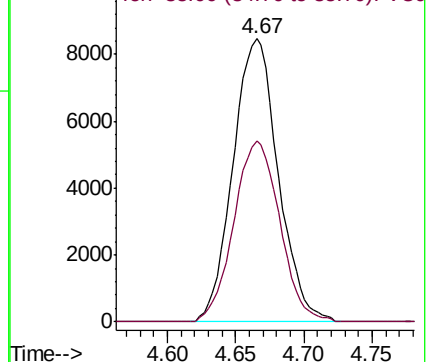
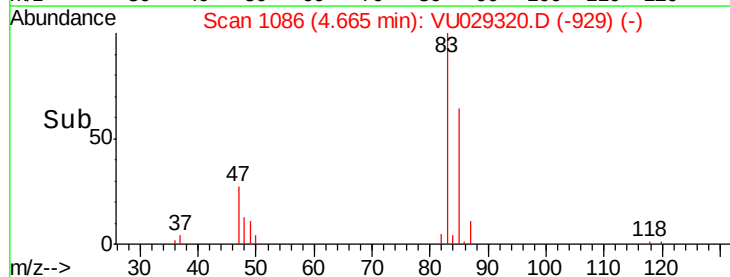
Tgt Ion: 83 Resp: 19503

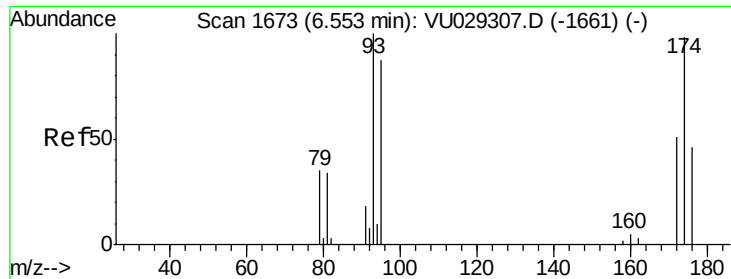
Ion	Ratio	Lower	Upper
83	100		
85	64.1	0.0	126.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#43

Dibromomethane

Concen: 0.879 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. 0.20 min

Lab File: VU029320.D

Acq: 30 Jan 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

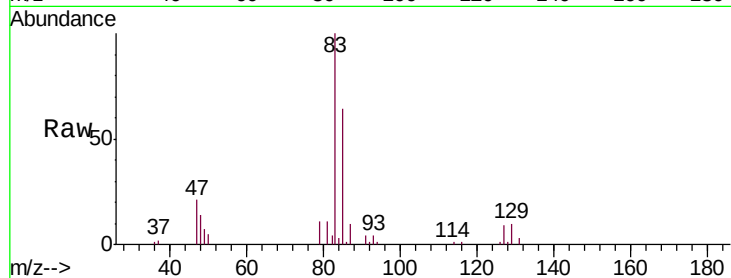
Tgt Ion: 93 Resp: 1069

Ion Ratio Lower Upper

93 100

95 0.0 68.2 102.2#

174 0.0 77.6 116.4#



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

6.75

800

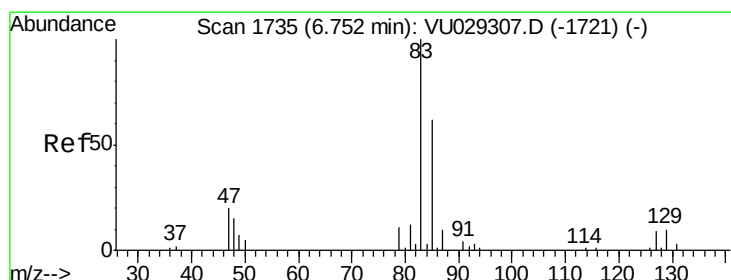
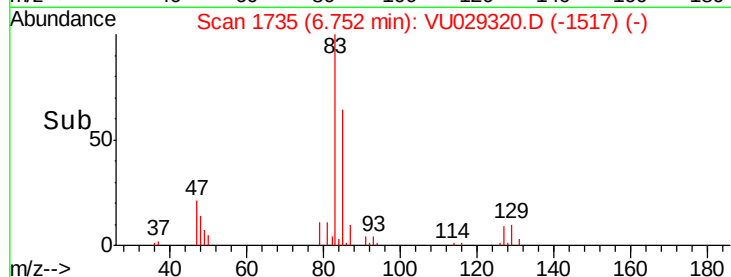
600

400

200

0

Time--> 6.70 6.75 6.80



#44

Bromodichloromethane

Concen: 9.869 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029320.D

Acq: 30 Jan 2019 17:07

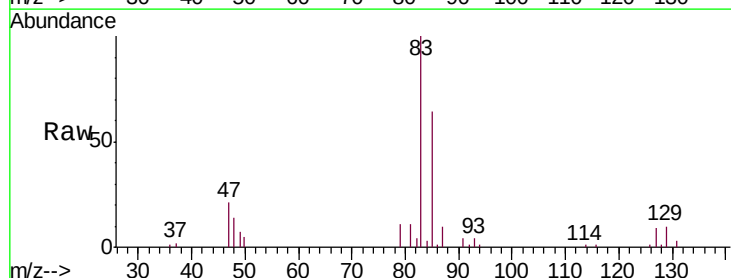
Tgt Ion: 83 Resp: 34903

Ion Ratio Lower Upper

83 100

85 64.4 49.2 73.8

127 8.7 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

6.75

25000

20000

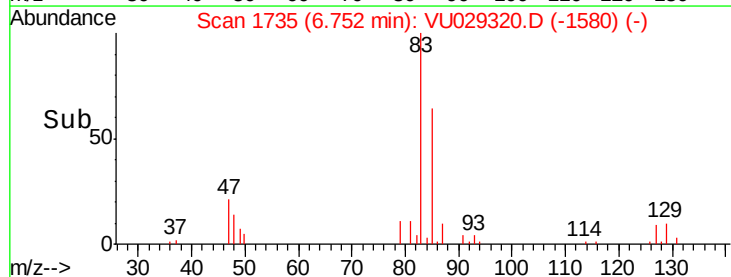
15000

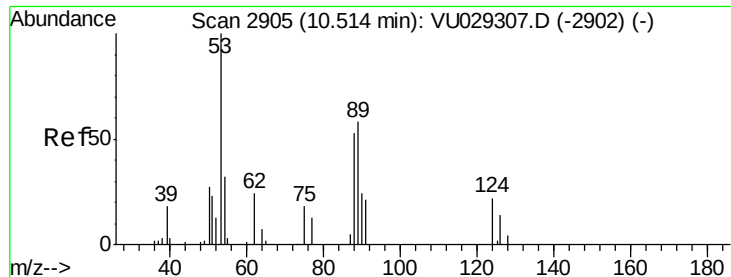
10000

5000

0

Time--> 6.70 6.75 6.80

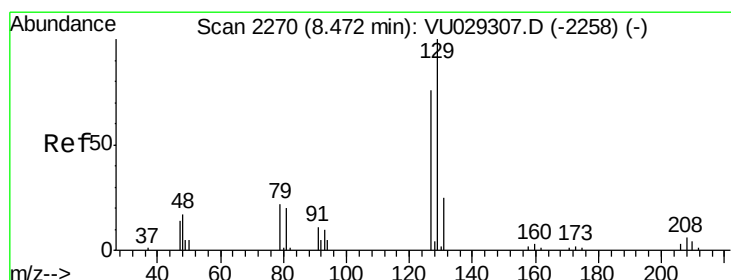
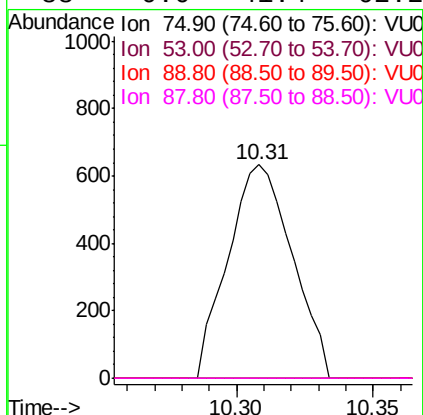
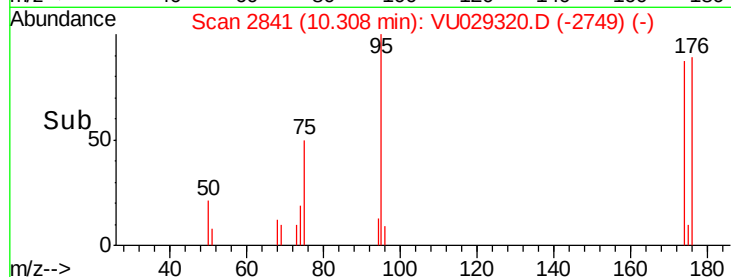
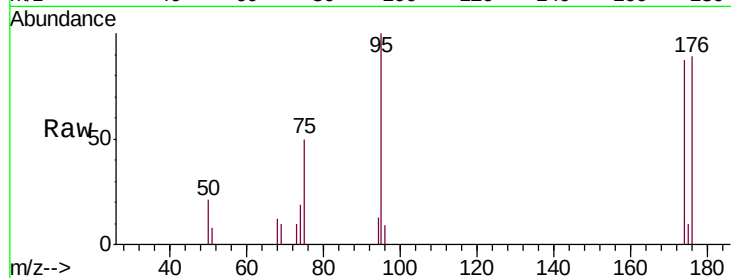




#46
t-1,4-Dichloro-2-butene
Concen: 1.824 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU029320.D
Acq: 30 Jan 2019 17:07

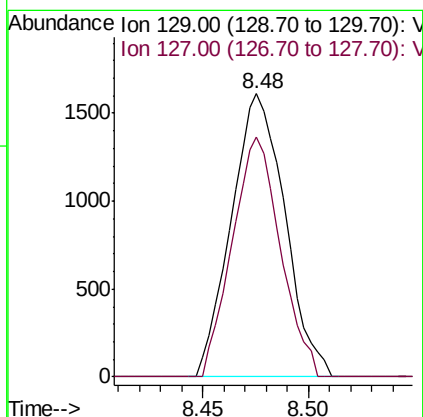
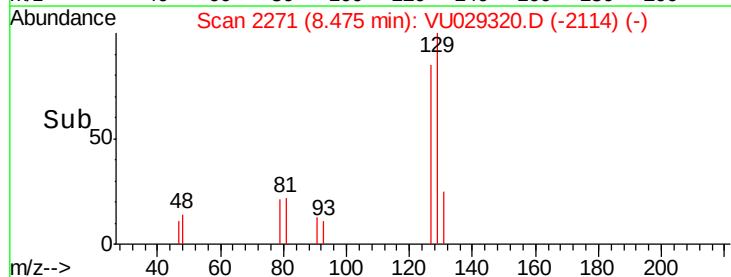
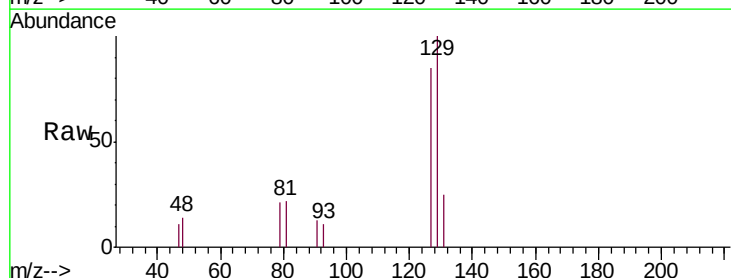
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

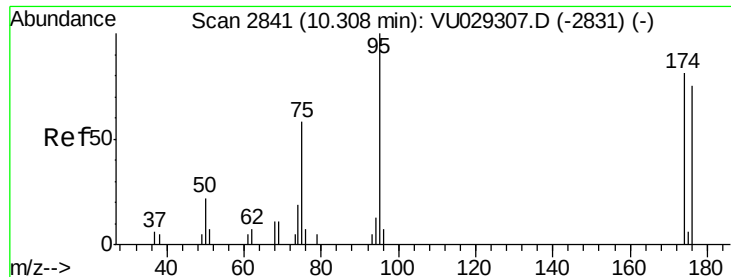
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 44.2 66.4#
88 0.0 41.4 62.2#



#55
Dibromochloromethane
Concen: 1.325 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029320.D
Acq: 30 Jan 2019 17:07

Tgt Ion: 129 Resp: 2845
Ion Ratio Lower Upper
129 100
127 76.0 60.5 90.7





#57

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU029320.D

Acq: 30 Jan 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

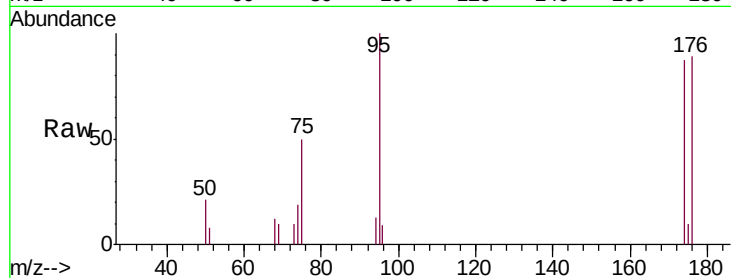
Tgt Ion: 95 Resp: 2138

Ion Ratio Lower Upper

95 100

174 86.8 64.2 96.2

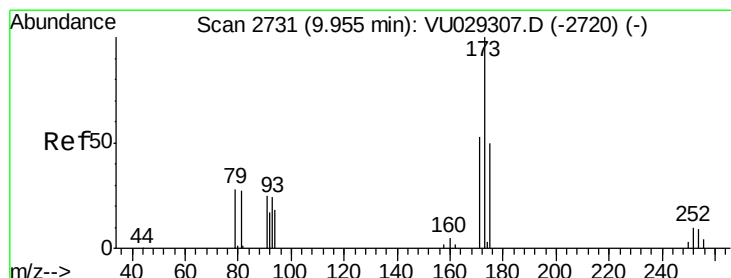
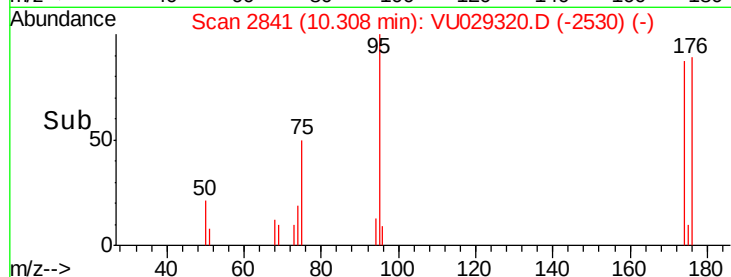
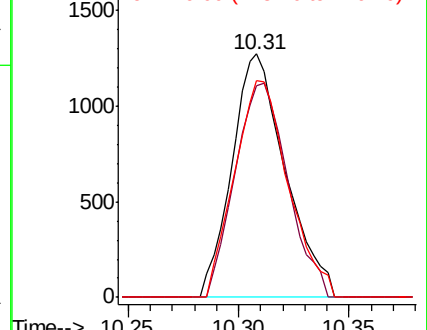
176 89.6 62.3 93.5



Abundance Ion 95.00 (94.70 to 95.70): VU029320.D (-2530) (-)

Ion 174.00 (173.70 to 174.70): VU029320.D (-2530) (-)

Ion 176.00 (175.70 to 176.70): VU029320.D (-2530) (-)



#67

Bromoform

Concen: 5.902 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029320.D

Acq: 30 Jan 2019 17:07

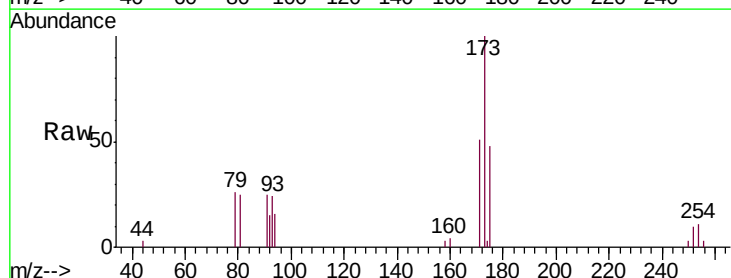
Tgt Ion: 173 Resp: 7331

Ion Ratio Lower Upper

173 100

175 47.9 38.9 58.3

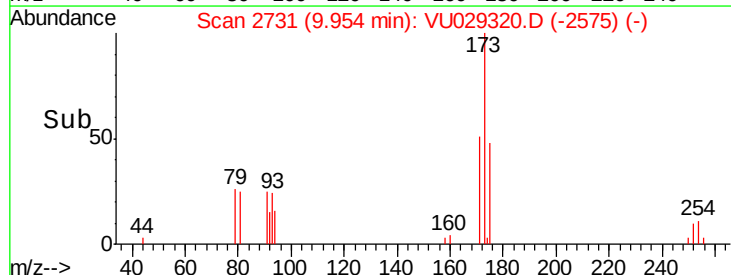
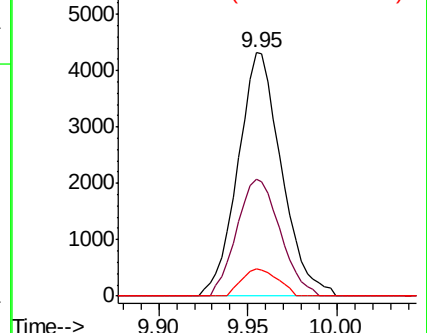
254 9.3 7.4 11.2

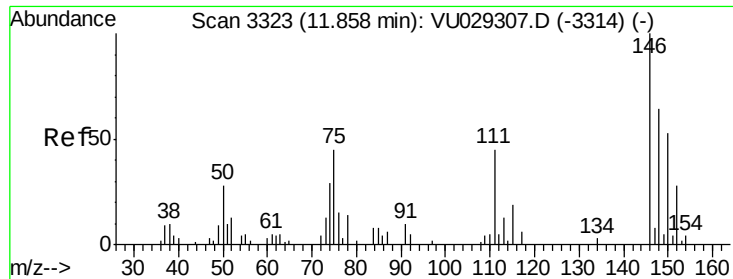


Abundance Ion 172.90 (172.60 to 173.60): VU029320.D (-2575) (-)

Ion 174.90 (174.60 to 175.60): VU029320.D (-2575) (-)

Ion 253.75 (253.45 to 254.45): VU029320.D (-2575) (-)

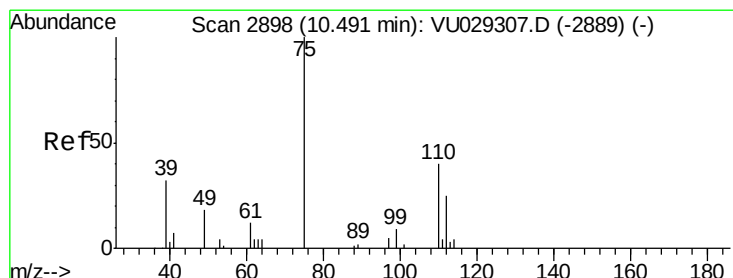
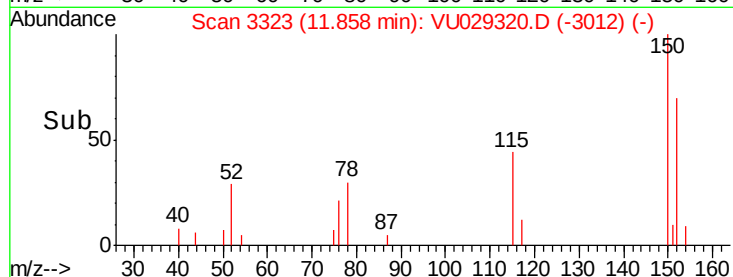
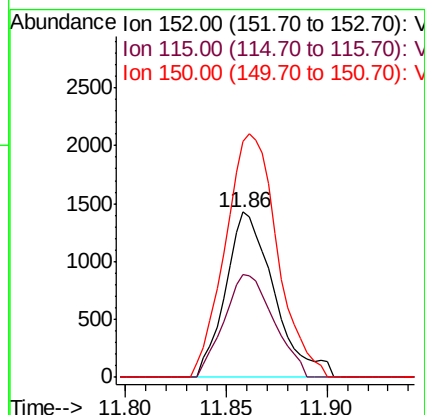
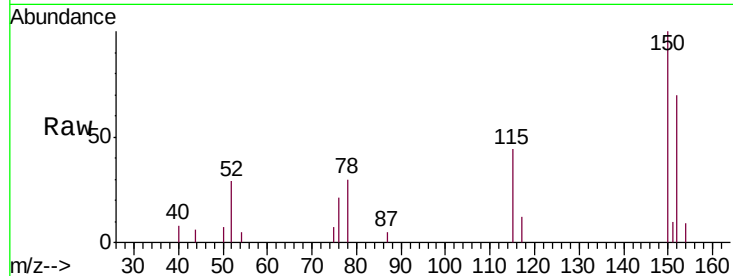




#68
 1,2-Dichlorobenzene-d4
 Concen: 5.902 ug/l
 RT: 11.86 min Scan# 3323
 Delta R.T. -0.00 min
 Lab File: VU029320.D
 Acq: 30 Jan 2019 17:07

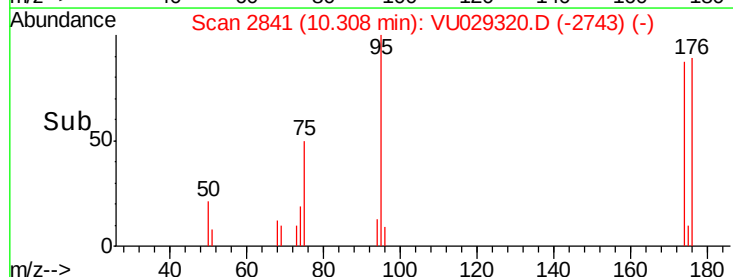
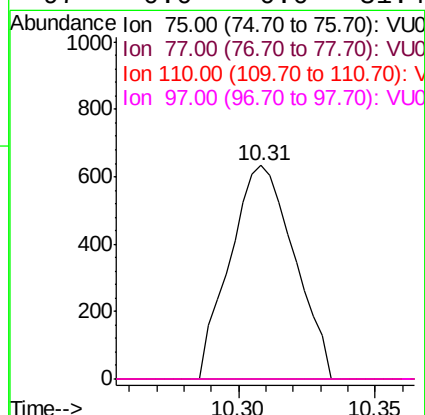
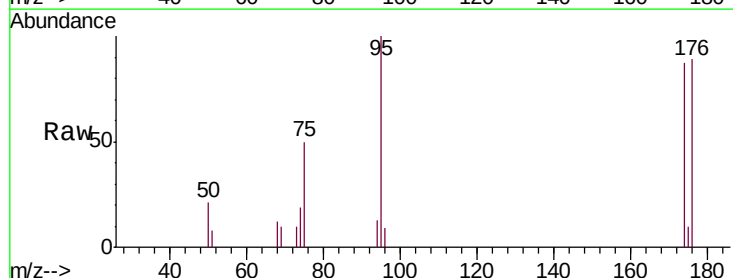
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

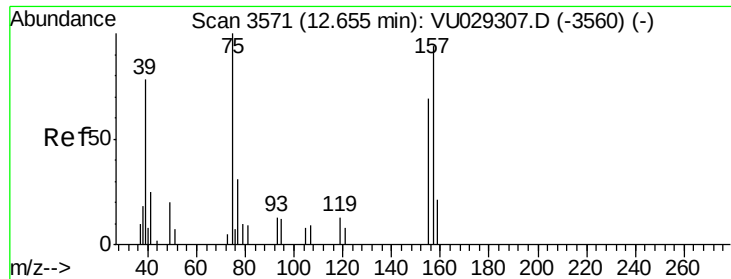
Tgt Ion:152 Resp: 2396
 Ion Ratio Lower Upper
 152 100
 115 63.9 0.0 133.4
 150 157.8 0.0 670.8



#71
 1,2,3-Trichloropropane
 Concen: 0.572 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.18 min
 Lab File: VU029320.D
 Acq: 30 Jan 2019 17:07

Tgt Ion: 75 Resp: 1034
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0
 110 0.0 0.0 63.6
 97 0.0 0.0 31.4





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.325 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU029320.D

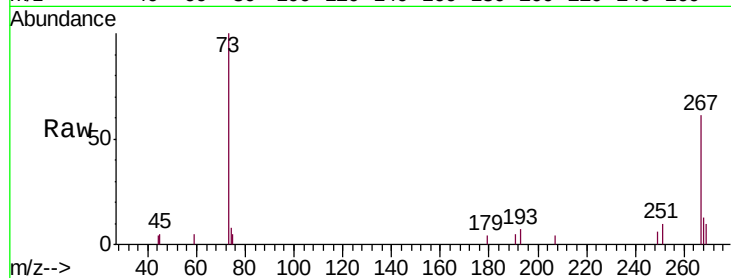
Acq: 30 Jan 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL



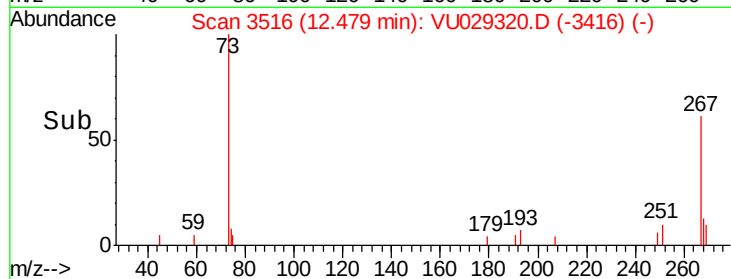
Tgt Ion: 75 Resp: 127

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

