

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072920\
 Data File : VU039706.D
 Acq On : 29 Jul 2020 16:25
 Operator : SY/MD
 Sample : L3319-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WS

Quant Time: Jul 30 01:48:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:45:12 2020
 Response via : Initial Calibration

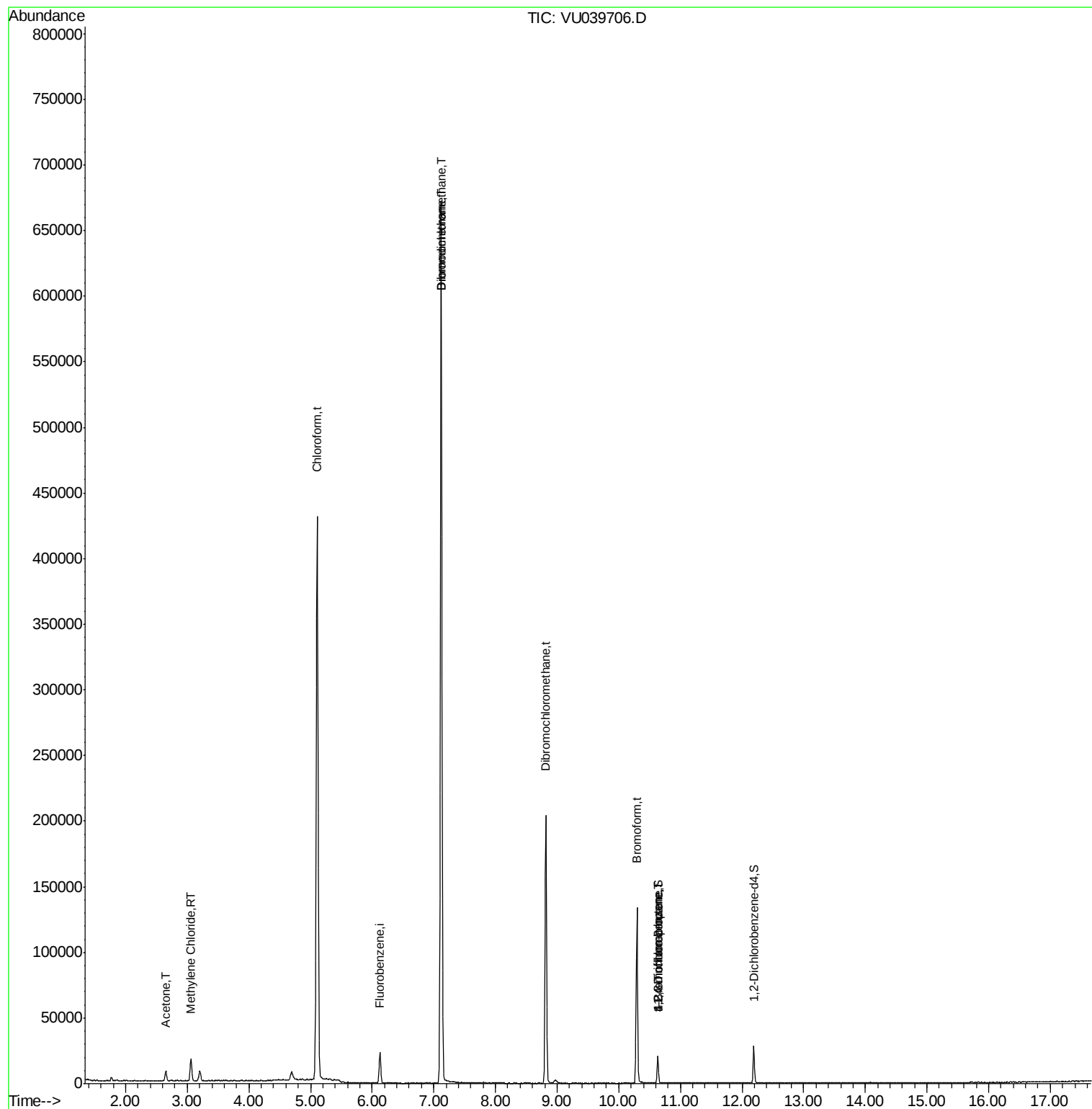
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	20612	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	6319	0.78	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6363	0.81	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.00%	
Target Compounds						Ovalue
13) Acetone	2.64	43	851	0.450	ug/l #	48
15) Methylene Chloride	3.06	84	6805	0.852	ug/l	88
24) tert-Butyl Alcohol	3.20	59	5047	Below Cal	#	74
27) Chloroform	5.11	83	335966	25.107	ug/l	98
43) Dibromomethane	7.12	93	13430	3.511	ug/l #	11
44) Bromodichloromethane	7.12	83	404319	46.102	ug/l	100
46) t-1,4-Dichloro-2-butene	10.63	75	4018	2.331	ug/l #	16
55) Dibromochloromethane	8.82	129	94331	17.676	ug/l	100
67) Bromoform	10.29	173	52743	19.374	ug/l	97
71) 1,2,3-Trichloropropane	10.63	75	4018	0.746	ug/l #	40
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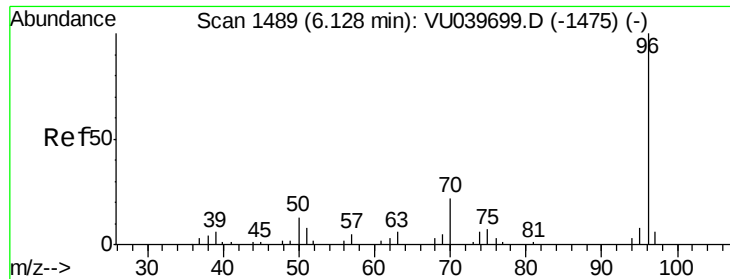
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 30 01:45:12 2020
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU039706.D

Acq: 29 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

Tot Ion: 96 Resp: 20612

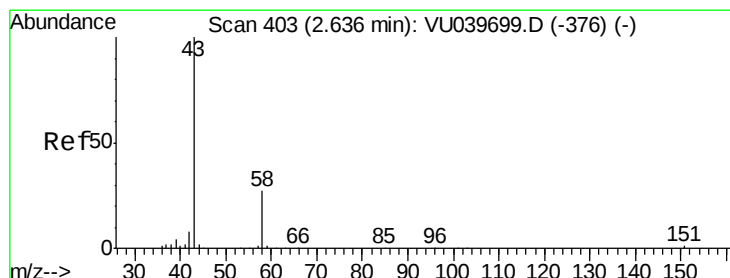
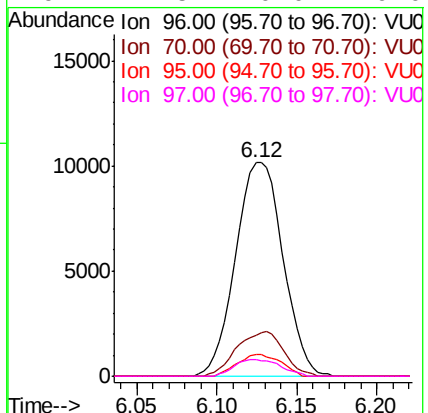
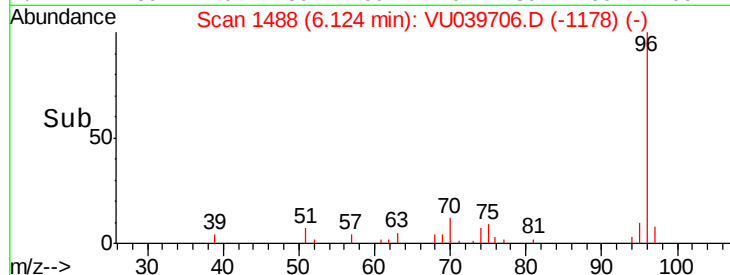
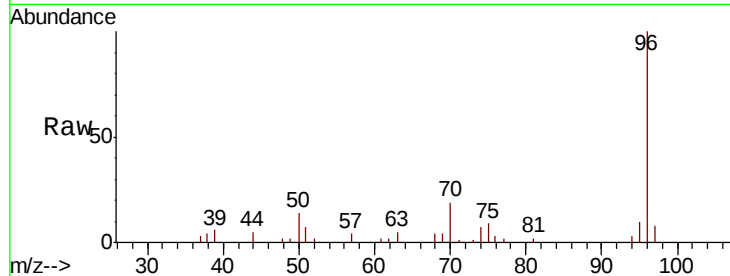
Ion Ratio Lower Upper

96 100

70 20.7 16.3 24.5

95 9.4 6.8 10.2

97 7.5 0.0 0.0#



#13

Acetone

Concen: 0.450 ug/l

RT: 2.64 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU039706.D

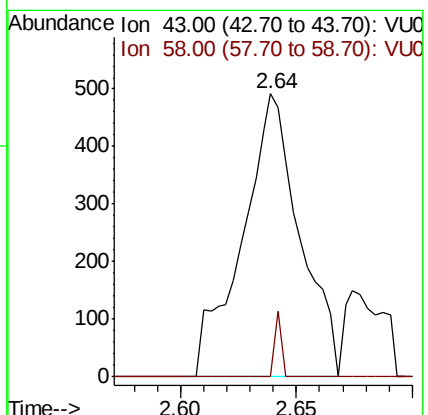
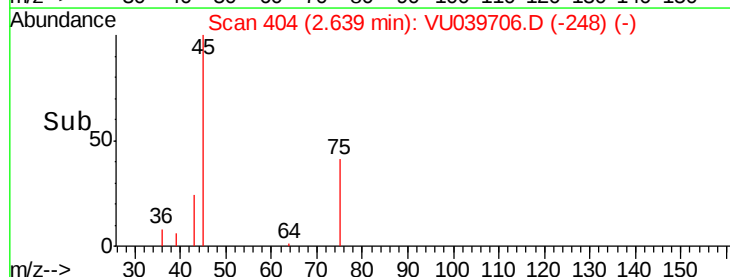
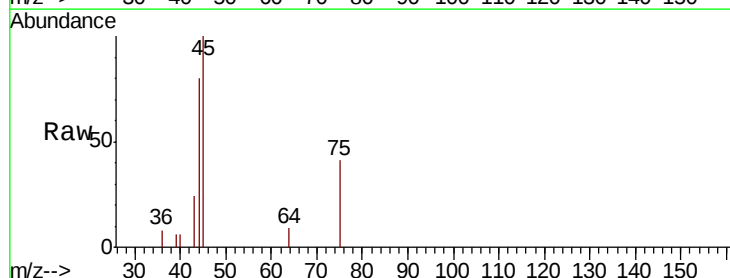
Acq: 29 Jul 2020 16:25

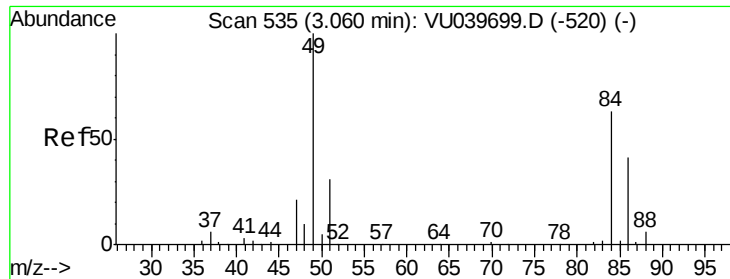
Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#

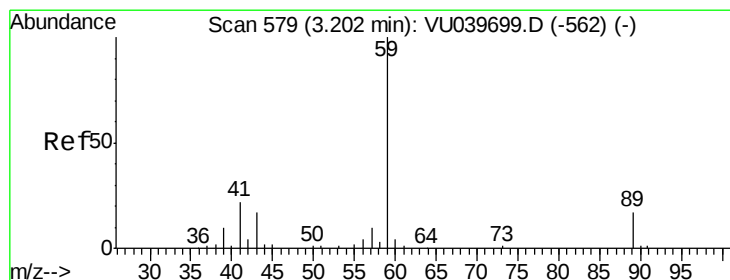
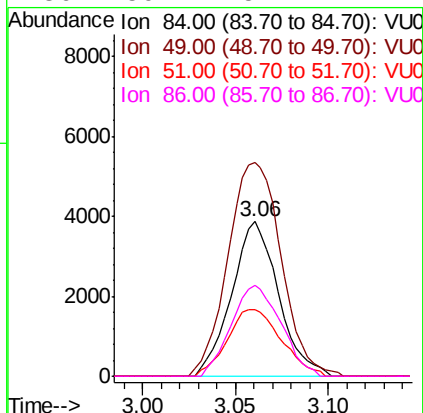
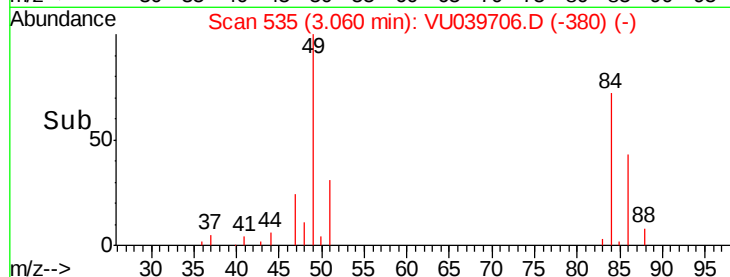
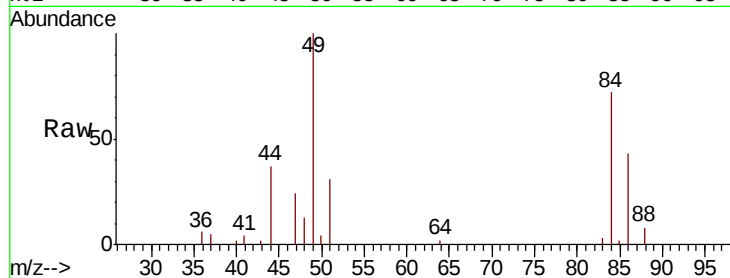




#15
Methvlene Chloride
Concen: 0.852 ua/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

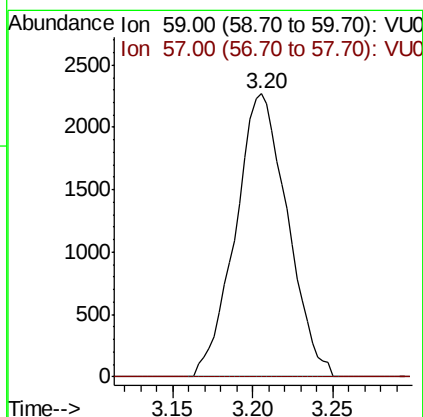
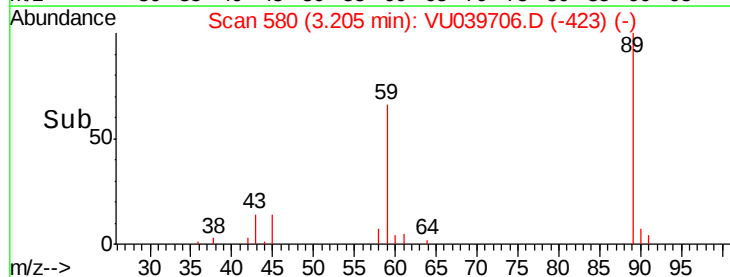
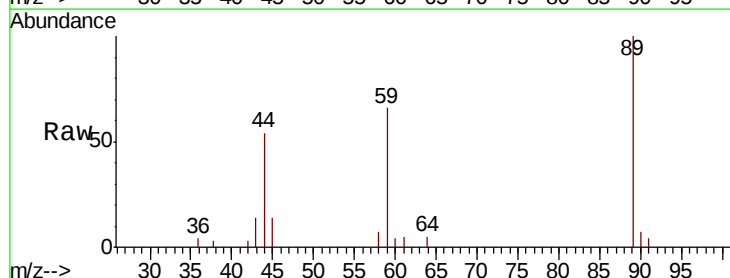
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

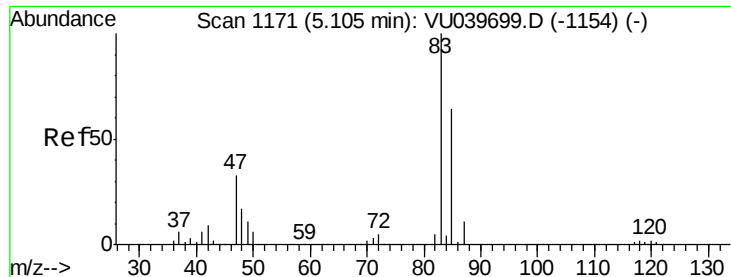
Tot Ion: 84 Resp: 6805
Ion Ratio Lower Upper
84 100
49 138.0 126.8 190.2
51 42.9 0.0 97.2
86 59.1 51.4 77.2



#24
tert-Butyl Alcohol
Concen: Below Cal
RT: 3.20 min Scan# 580
Delta R.T. 0.00 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

Tgt Ion: 59 Resp: 5047
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

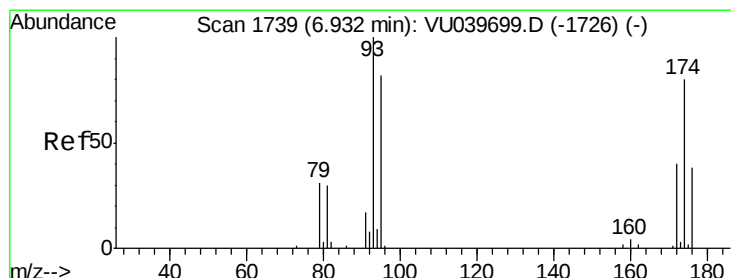
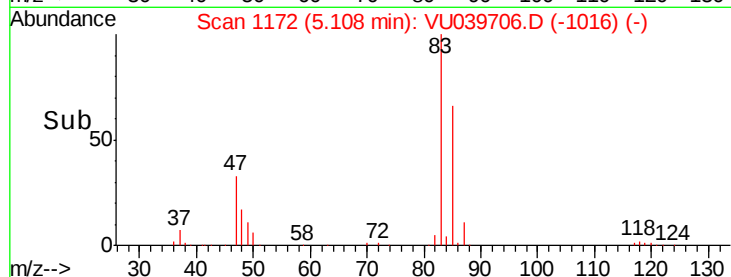
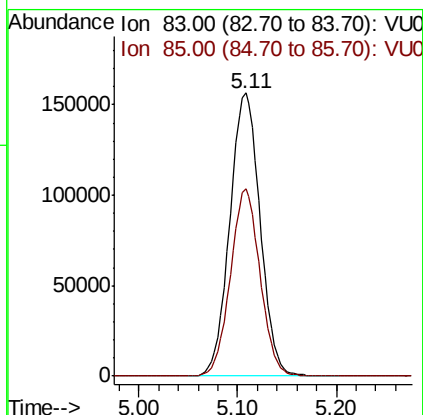
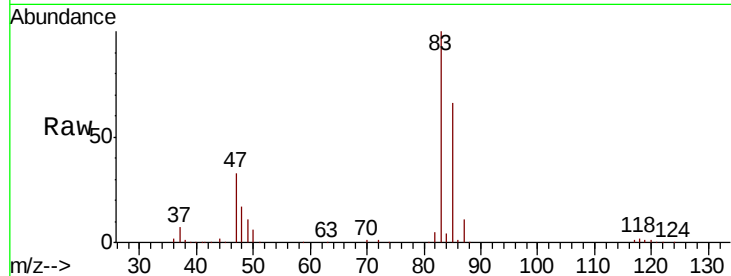




#27
Chloroform
Concen: 25.107 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

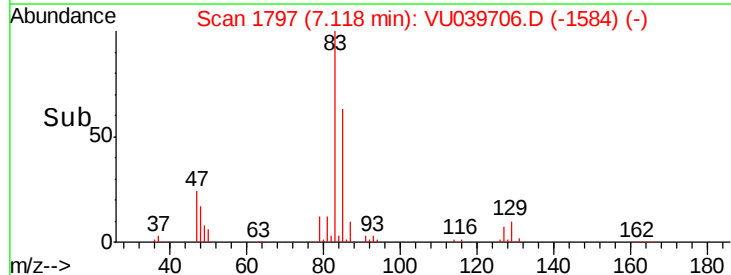
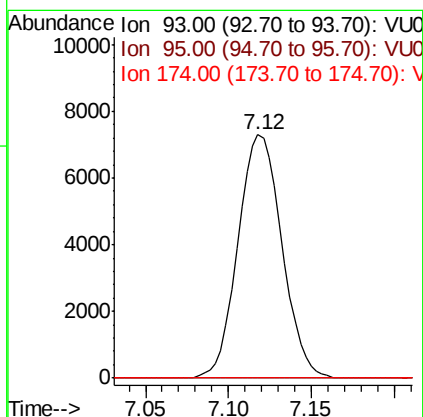
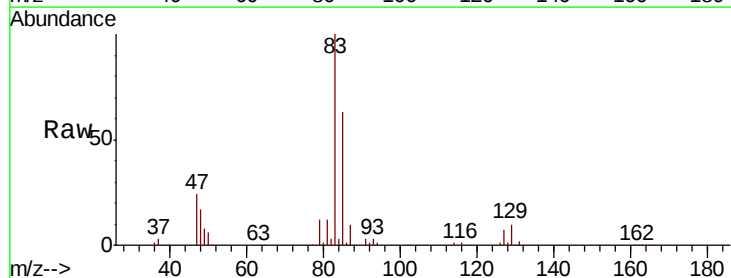
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

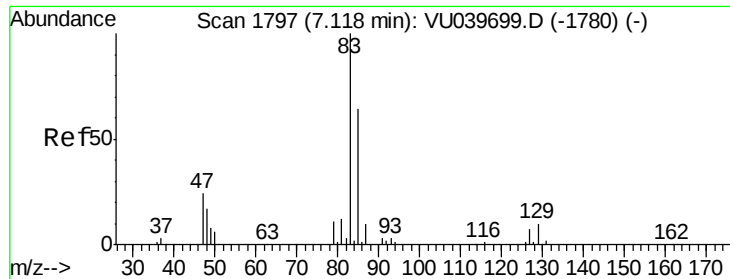
Tot Ion: 83 Resp: 335966
Ion Ratio Lower Upper
83 100
85 66.2 0.0 128.8



#43
Dibromomethane
Concen: 3.511 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. 0.19 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

Tgt Ion: 93 Resp: 13430
Ion Ratio Lower Upper
93 100
95 2.0 66.6 99.8#
174 1.0 62.7 94.1#





#44

Bromodichloromethane

Concen: 46.102 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039706.D

Acq: 29 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

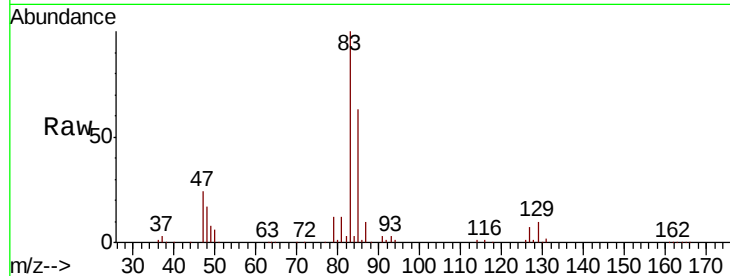
Tot Ion: 83 Resp: 404319

Ion Ratio Lower Upper

83 100

85 63.3 50.8 76.2

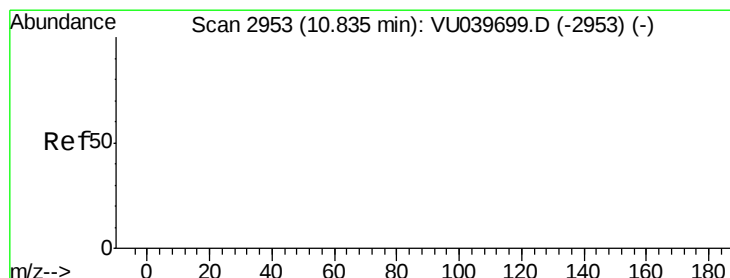
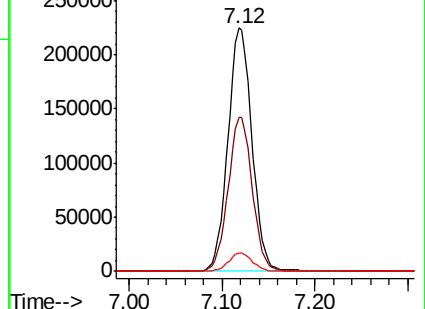
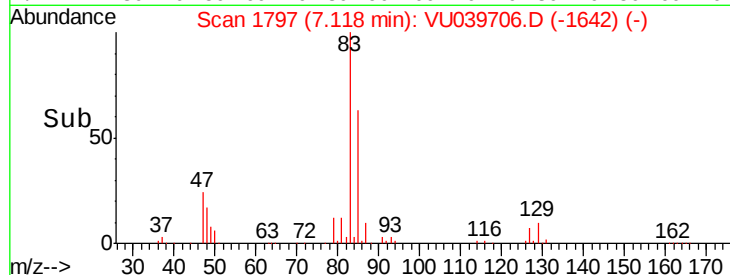
127 7.4 5.8 8.6



Abundance Ion 83.00 (82.70 to 83.70): VU039699.D (-1780) (-)

Ion 85.00 (84.70 to 85.70): VU039699.D (-1780) (-)

Ion 127.00 (126.70 to 127.70): VU039699.D (-1780) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.331 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.20 min

Lab File: VU039706.D

Acq: 29 Jul 2020 16:25

Tgt Ion: 75 Resp: 4018

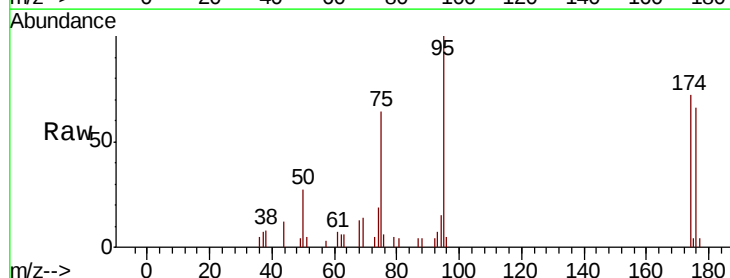
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 40.3 60.5#

88 4.6 34.0 51.0#

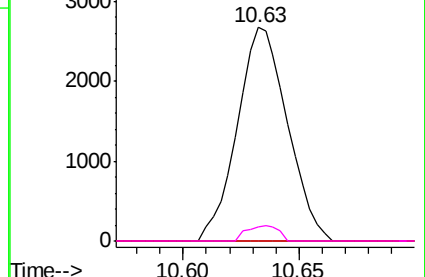
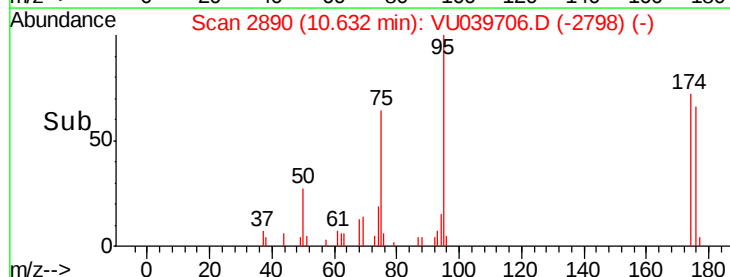


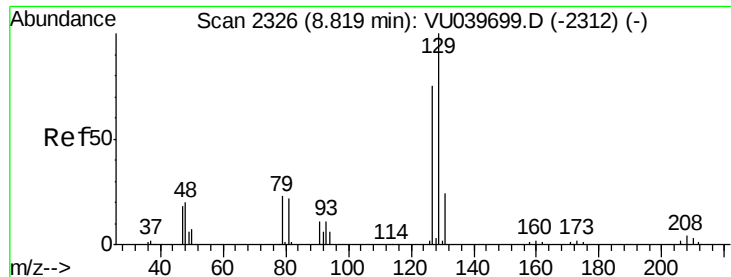
Abundance Ion 74.90 (74.60 to 75.60): VU039699.D (-2953) (-)

Ion 53.00 (52.70 to 53.70): VU039699.D (-2953) (-)

Ion 88.80 (88.50 to 89.50): VU039699.D (-2953) (-)

Ion 87.80 (87.50 to 88.50): VU039699.D (-2953) (-)





#55

Dibromochloromethane

Concen: 17.676 ug/l

RT: 8.82 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU039706.D

Acq: 29 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

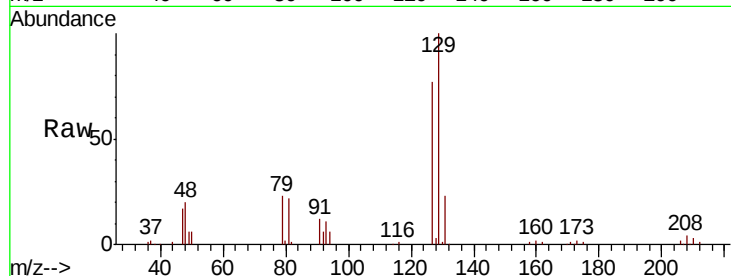
PT-THM-WS

Tot Ion:129 Resp: 94331

Ion Ratio Lower Upper

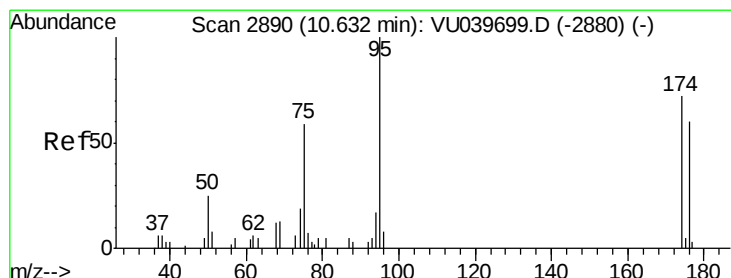
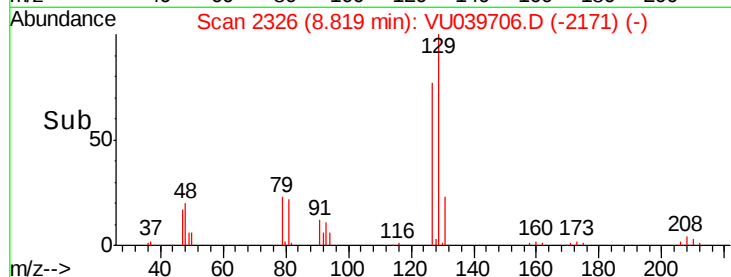
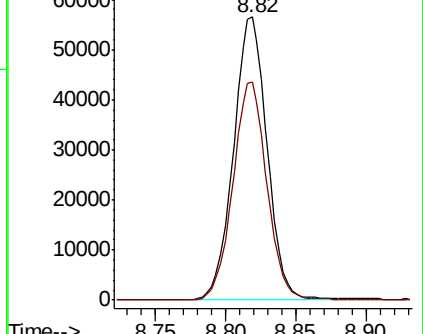
129 100

127 78.0 62.4 93.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#57

4-Bromofluorobenzene

Concen: 0.784 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU039706.D

Acq: 29 Jul 2020 16:25

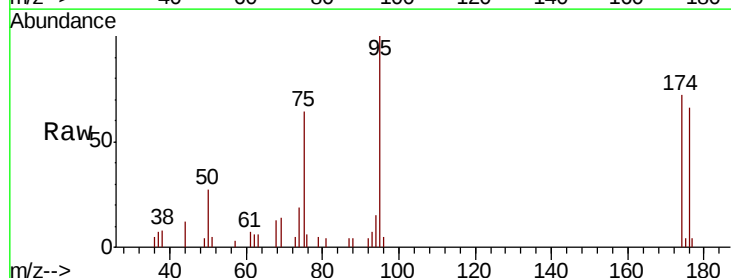
Tgt Ion: 95 Resp: 6319

Ion Ratio Lower Upper

95 100

174 71.6 57.0 85.4

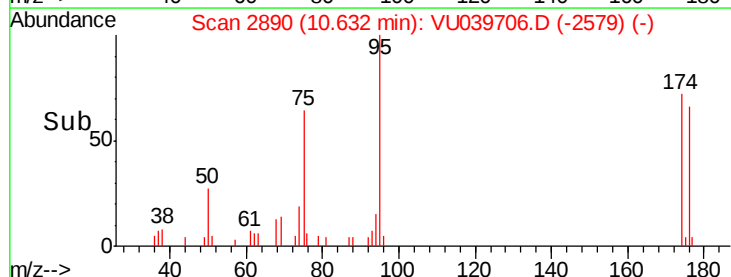
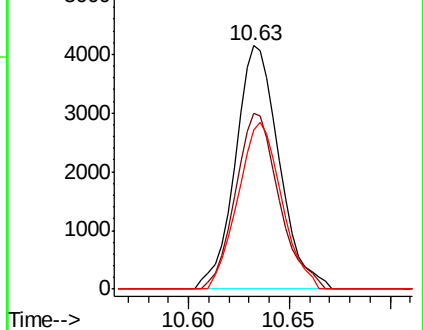
176 68.0 50.2 75.2

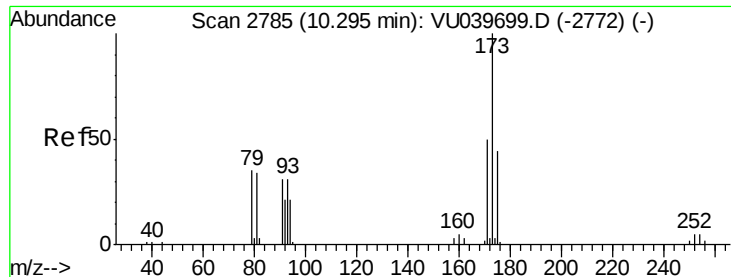


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

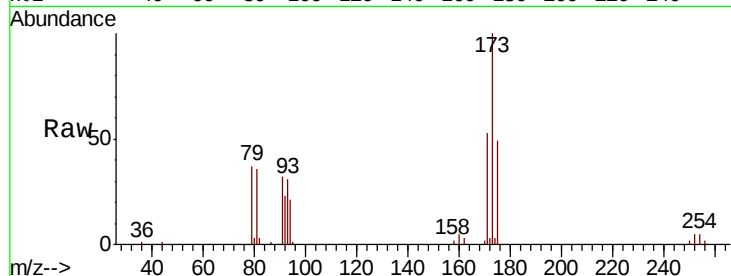




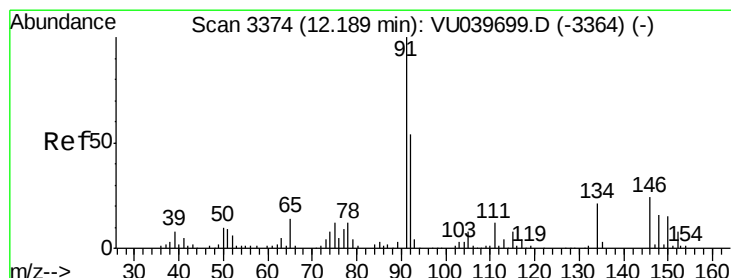
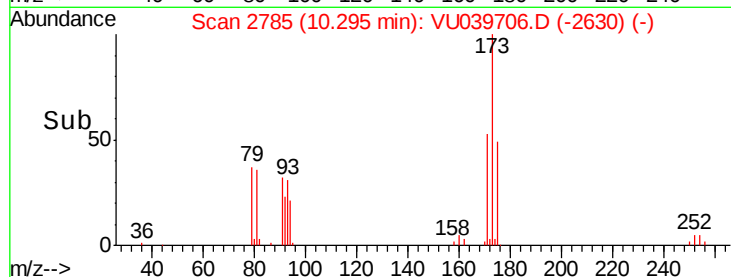
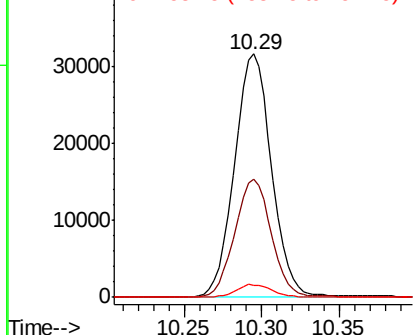
#67
Bromoform
Concen: 19.374 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

Tot Ion:173 Resp: 52743
Ion Ratio Lower Upper
173 100
175 47.8 36.7 55.1
254 5.1 3.8 5.8

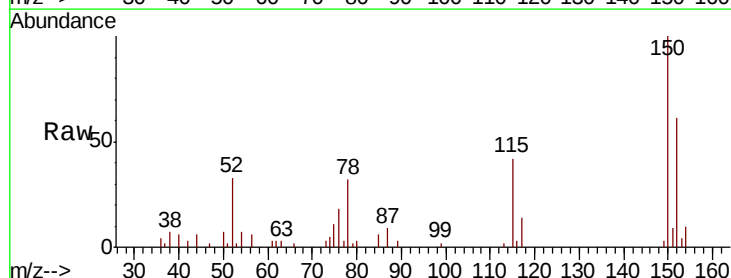


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

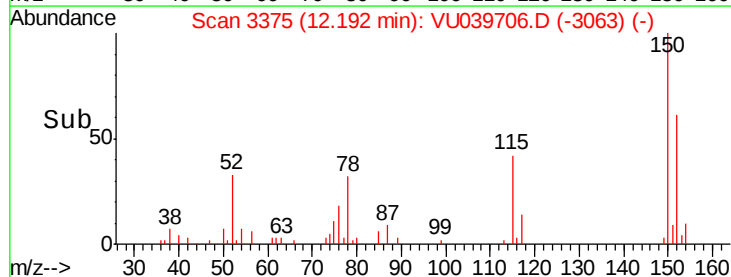
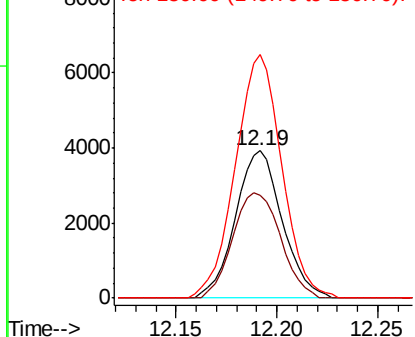


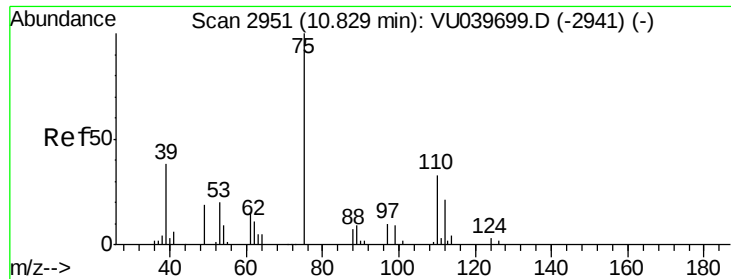
#68
1,2-Dichlorobenzene-d4
Concen: 0.807 ug/l
RT: 12.19 min Scan# 3375
Delta R.T. 0.00 min
Lab File: VU039706.D
Acq: 29 Jul 2020 16:25

Tgt Ion:152 Resp: 6363
Ion Ratio Lower Upper
152 100
115 73.4 0.0 302.4
150 164.3 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: 0.746 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.20 min

Lab File: VU039706.D

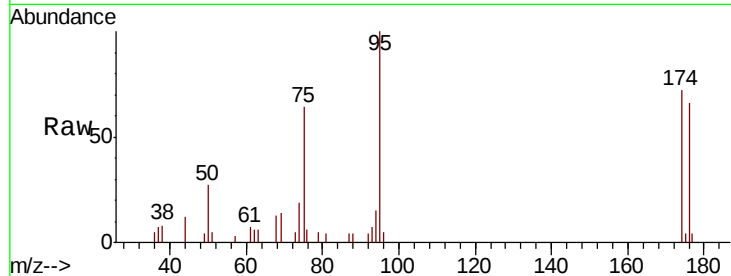
Acq: 29 Jul 2020 16:25

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS



Tot Ion: 75 Resp: 4018

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

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

