

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027595.D
 Acq On : 11 Oct 2018 13:47
 Operator : MD/SY
 Sample : J5164-09 2.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 12 16:32:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

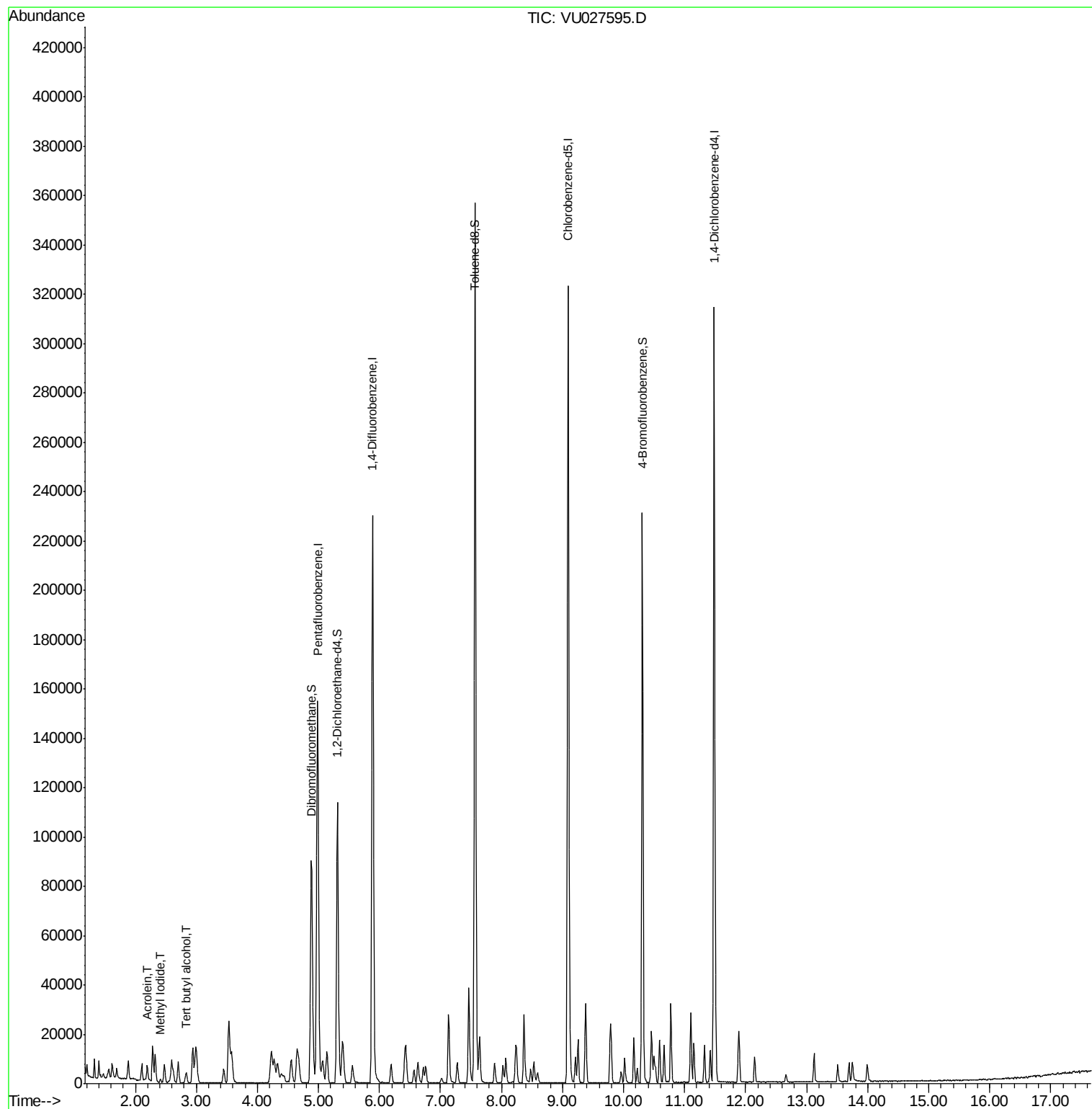
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	109509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	187110	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	73882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	87728	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
35) Dibromofluoromethane	4.88	113	61783	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
50) Toluene-d8	7.57	98	231430	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	10.31	95	76666	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.18%	
Target Compounds						
10) Methyl Iodide	2.41	142	1376	4.31	ug/l #	92
11) Tert butyl alcohol	2.84	59	5121	12.39	ug/l #	89
13) Acrolein	2.20	56	3941	12.02	ug/l	96

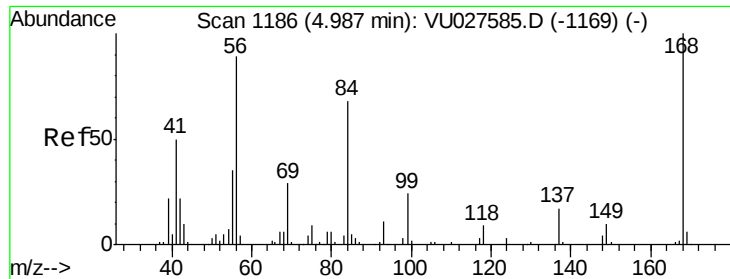
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027595.D

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Instrument :

MSVOA_U

ClientSampleId :

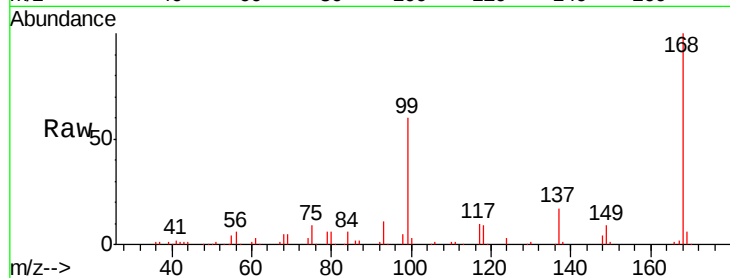
MDL-WATER-03-QT4-2018

Tgt Ion:168 Resp: 109509

Ion Ratio Lower Upper

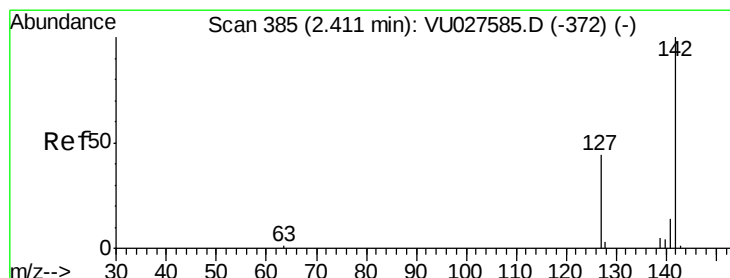
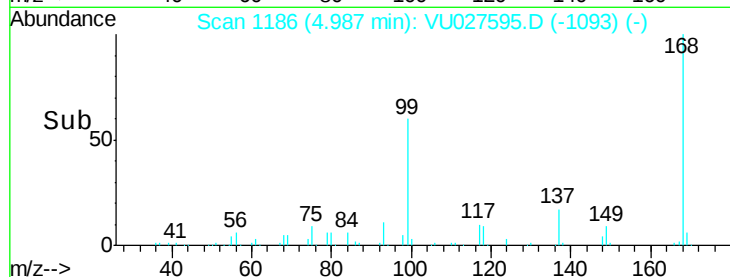
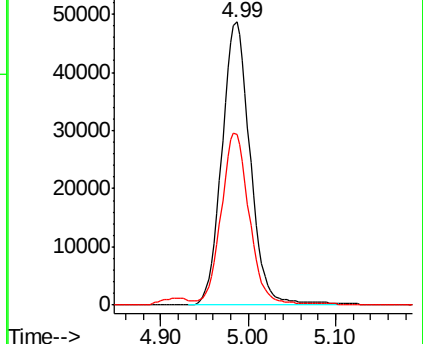
168 100

99 59.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 4.31 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027595.D

Acq: 11 Oct 2018 13:47

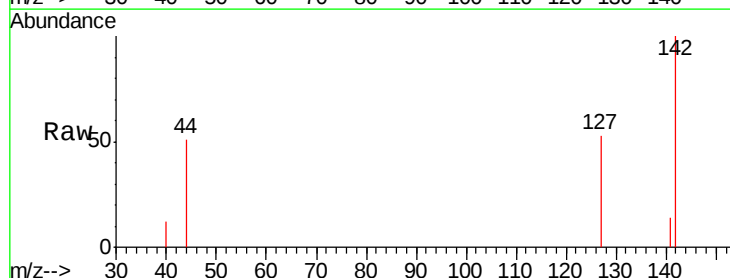
Tgt Ion:142 Resp: 1376

Ion Ratio Lower Upper

142 100

127 49.1 36.3 54.5

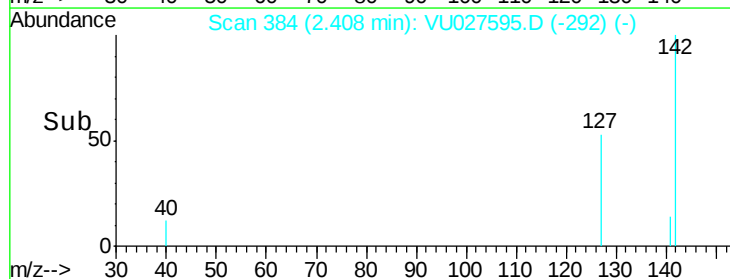
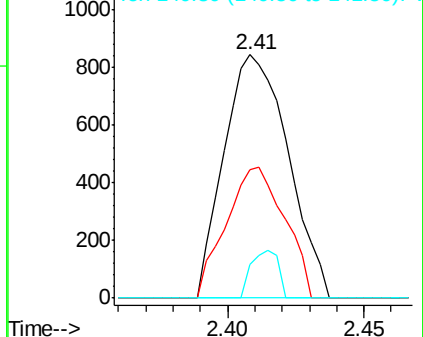
141 8.1 11.6 17.4#

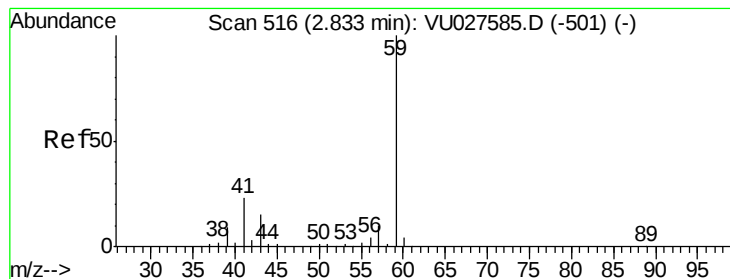


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 12.39 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU027595.D

Acq: 11 Oct 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

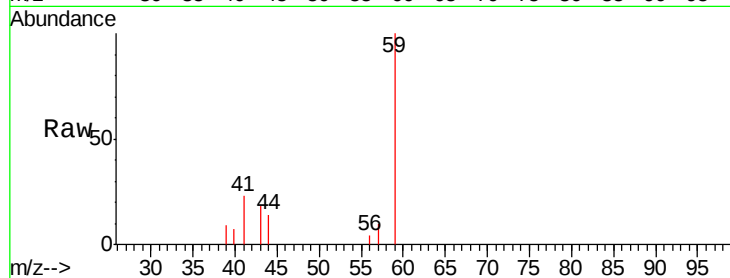
MDL-WATER-03-QT4-2018

Tgt Ion: 59 Resp: 5121

Ion Ratio Lower Upper

59 100

57 6.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

2500

2000

1500

1000

500

0

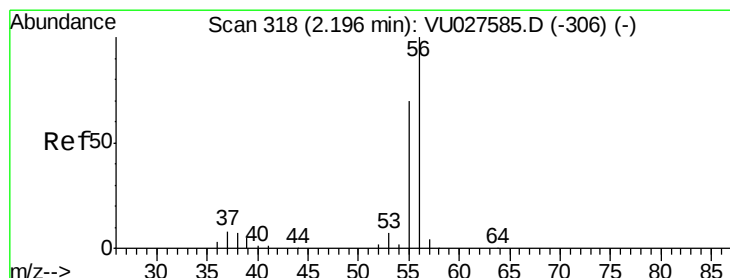
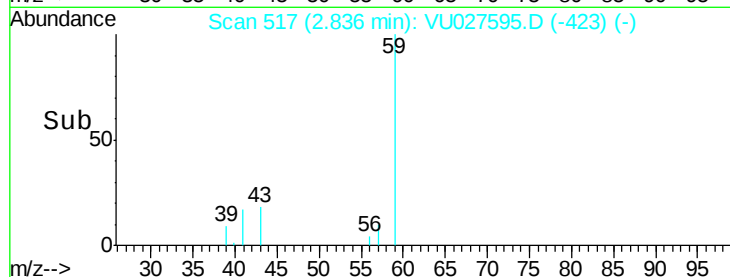
Time-->

2.75

2.80

2.85

2.90



#13

Acrolein

Concen: 12.02 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027595.D

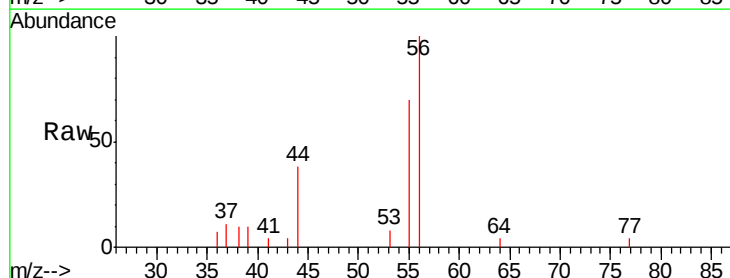
Acq: 11 Oct 2018 13:47

Tgt Ion: 56 Resp: 3941

Ion Ratio Lower Upper

56 100

55 75.3 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

3000

2500

2000

1500

1000

500

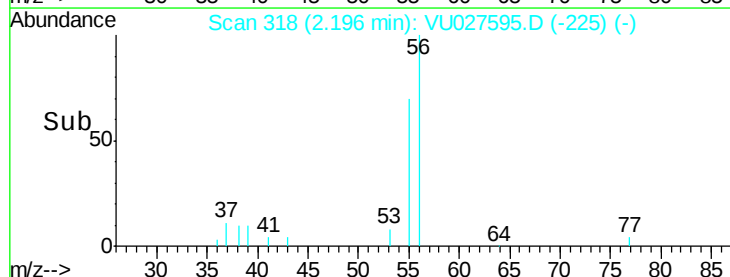
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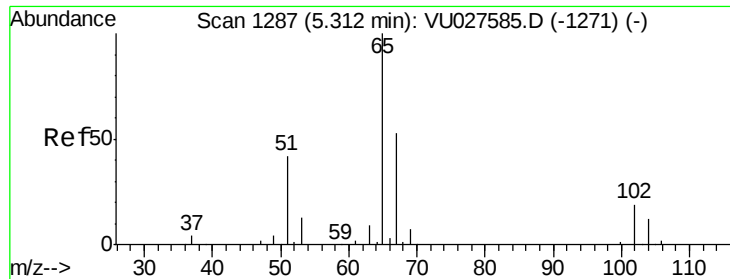
Time-->

2.15

2.20

2.25

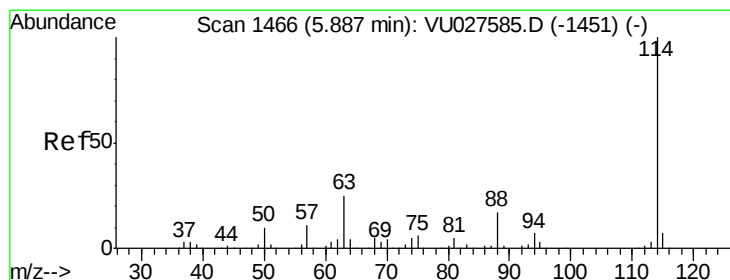
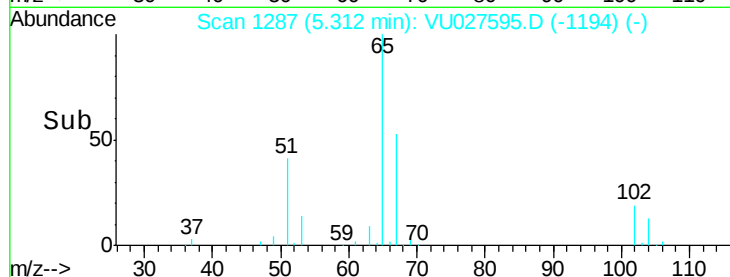
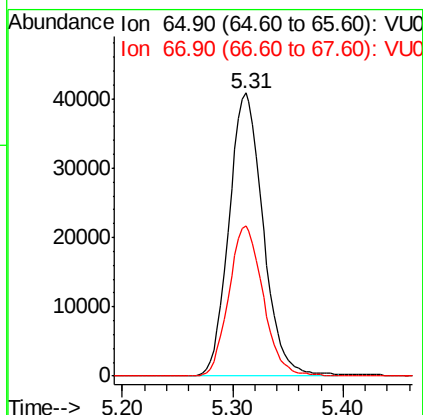
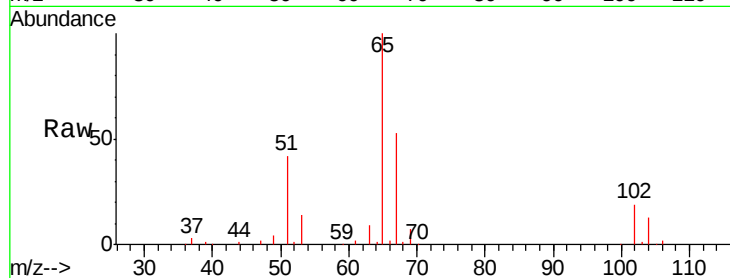




#33
 1,2-Dichloroethane-d4
 Concen: 51.75 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027595.D
 Acq: 11 Oct 2018 13:47

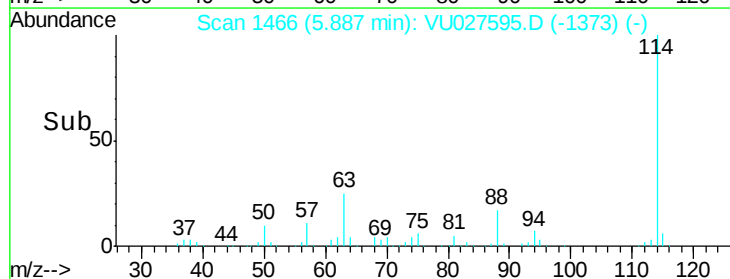
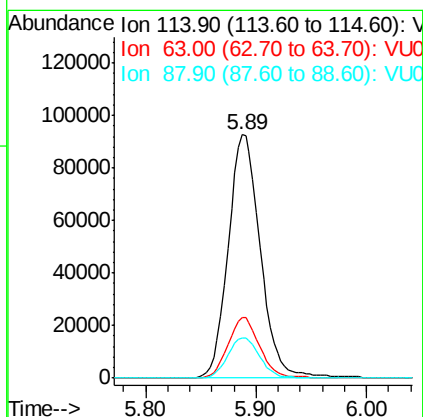
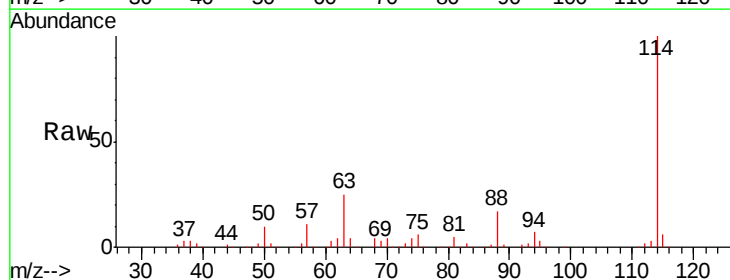
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

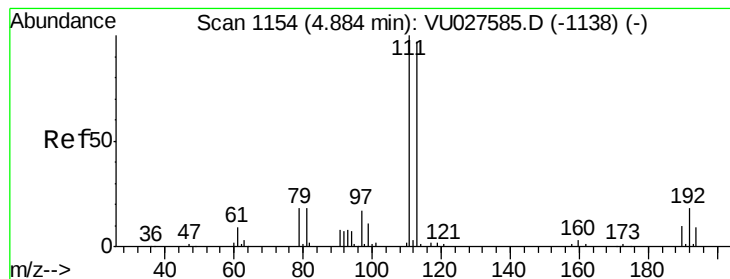
Tgt Ion: 65 Resp: 87728
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027595.D
 Acq: 11 Oct 2018 13:47

Tgt Ion: 114 Resp: 187110
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.91 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027595.D

Acq: 11 Oct 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

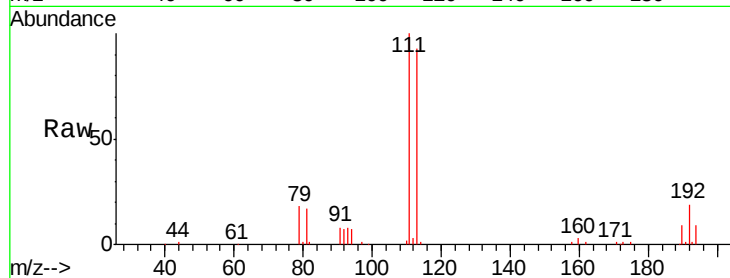
Tgt Ion: 113 Resp: 61783

Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

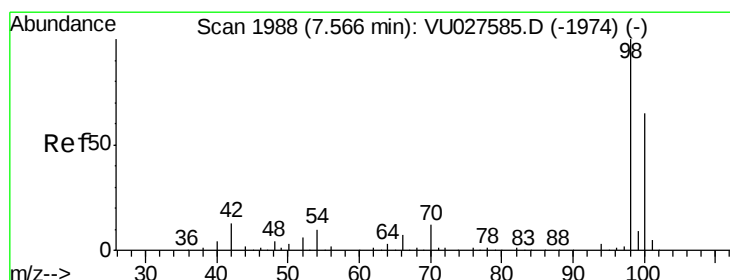
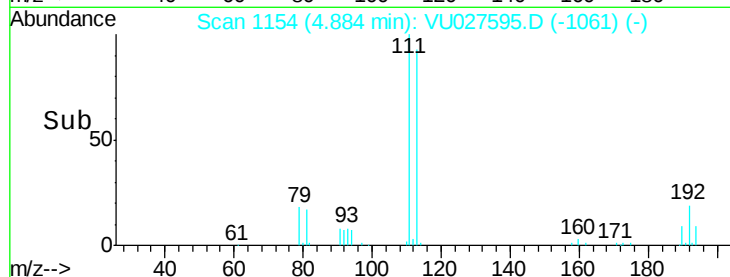
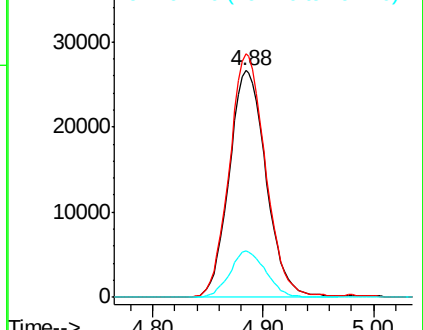
192 20.0 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 49.09 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027595.D

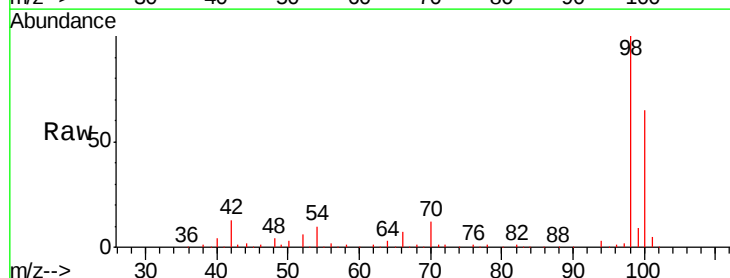
Acq: 11 Oct 2018 13:47

Tgt Ion: 98 Resp: 231430

Ion Ratio Lower Upper

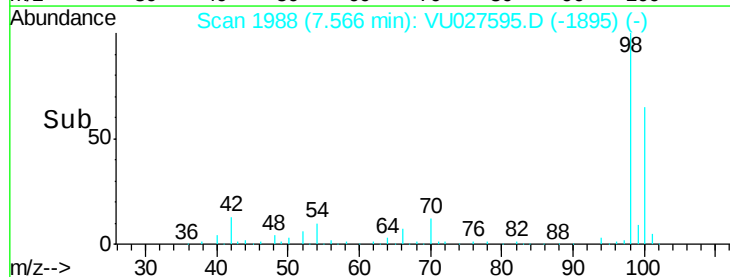
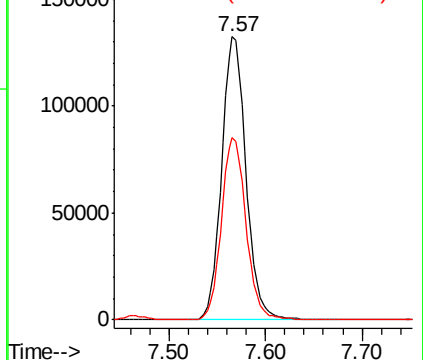
98 100

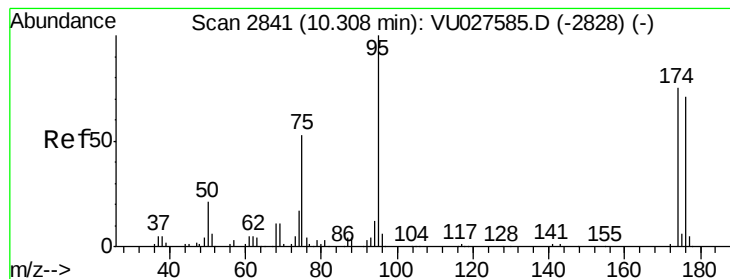
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 45.09 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027595.D

Acq: 11 Oct 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

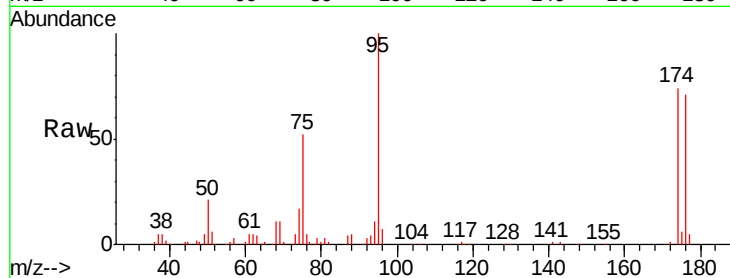
Tgt Ion: 95 Resp: 76666

Ion Ratio Lower Upper

95 100

174 76.0 0.0 147.8

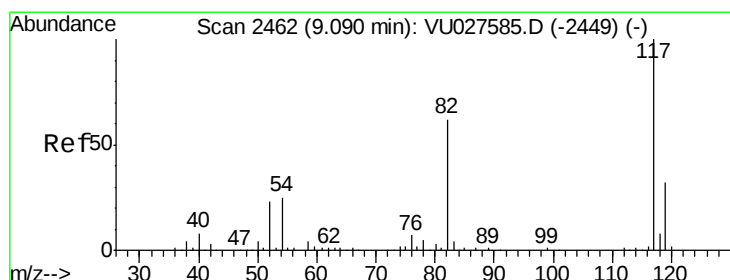
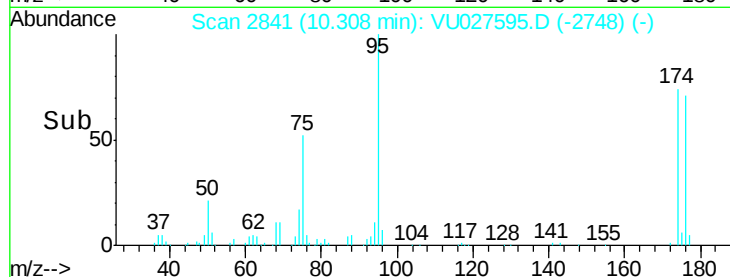
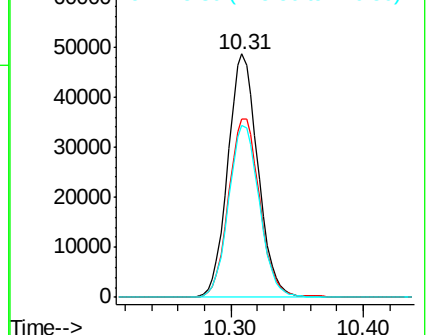
176 72.3 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU027595.D

Acq: 11 Oct 2018 13:47

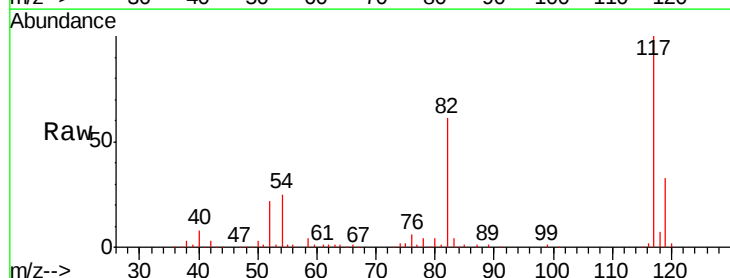
Tgt Ion: 117 Resp: 167840

Ion Ratio Lower Upper

117 100

82 60.7 49.2 73.8

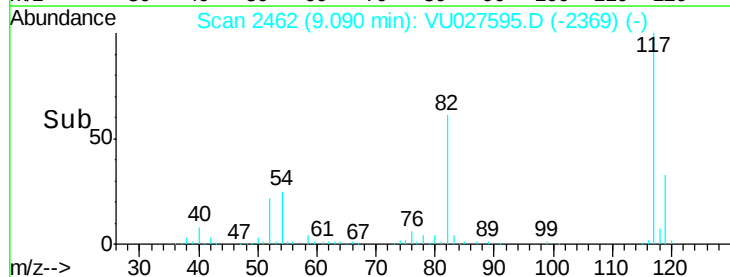
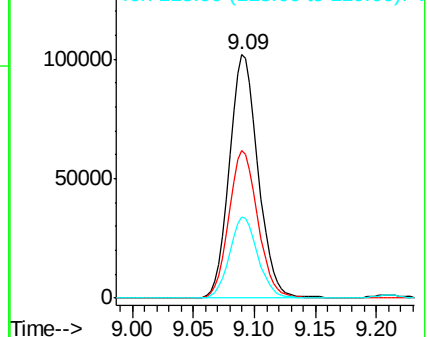
119 33.3 25.7 38.5

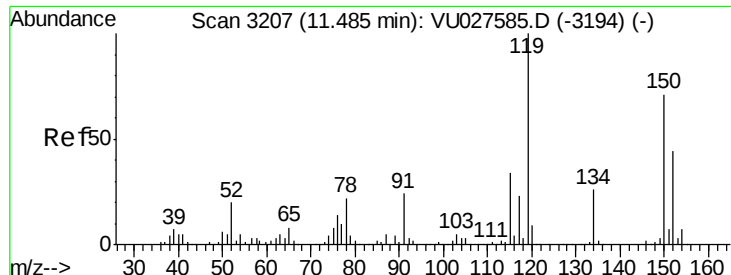


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU027595.D
 Acq: 11 Oct 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:152 Resp: 73882
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.4 130.2
 150 157.9 0.0 349.2

