

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027018.D
 Acq On : 22 Sep 2018 16:11
 Operator : MD/SY
 Sample : J4958-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

Quant Time: Sep 24 04:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

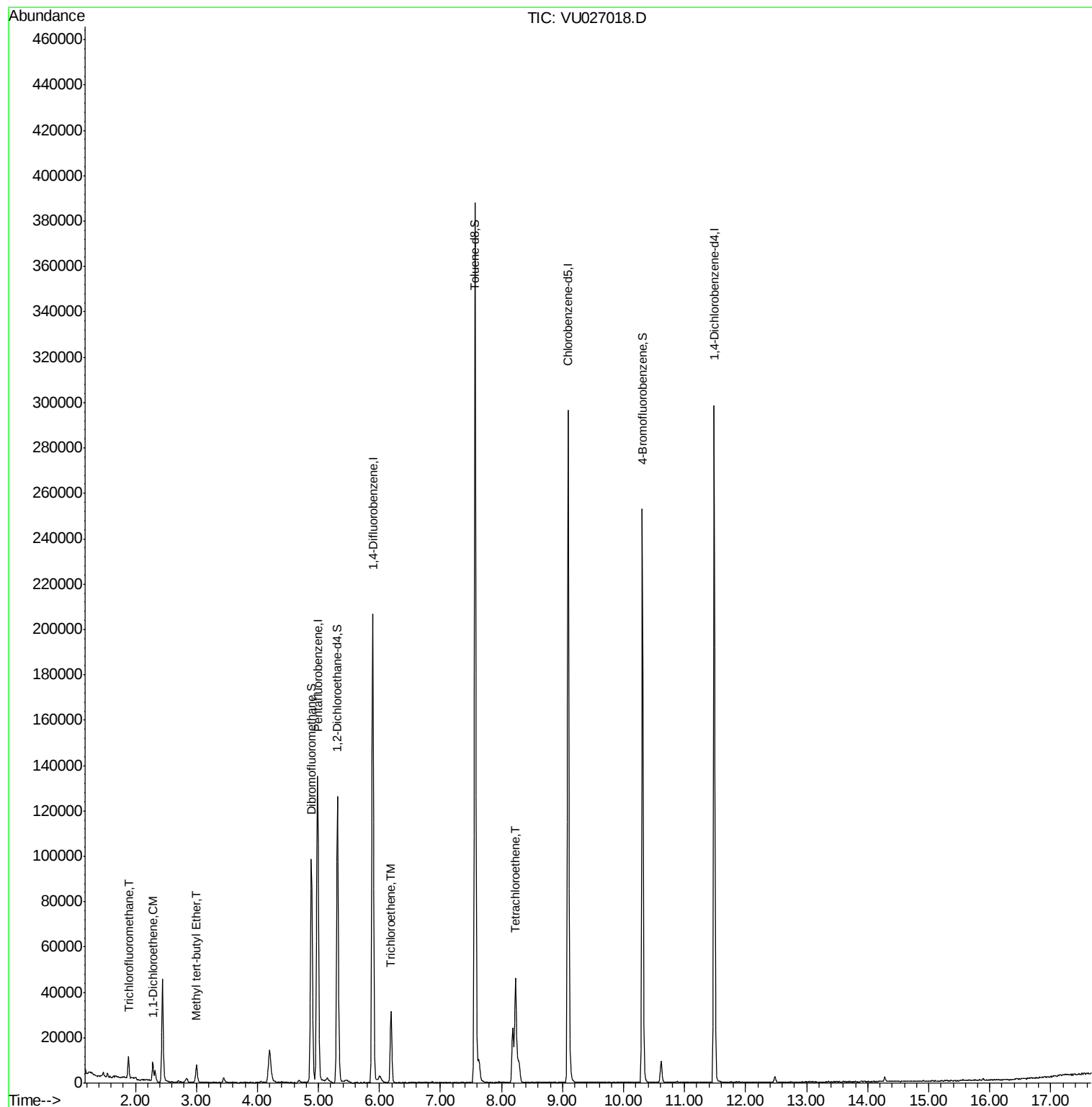
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	96824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	160378	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70954	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96598	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
35) Dibromofluoromethane	4.88	113	67246	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	7.57	98	248212	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	10.31	95	83386	45.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.74%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.89	101	6106	2.642	ug/l	98
12) 1,1-Dichloroethene	2.29	96	1920	1.436	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	7320	1.490	ug/l	94
44) Trichloroethene	6.19	130	10541	7.609	ug/l	95
64) Tetrachloroethene	8.23	164	7652	6.424	ug/l	93

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

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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

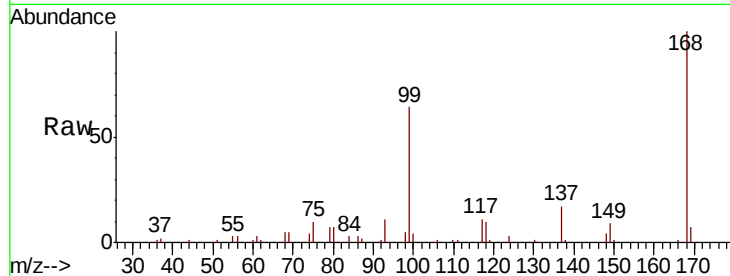
BPSI-HN-MW24IR-20180914

Tot Ion:168 Resp: 96824

Ion Ratio Lower Upper

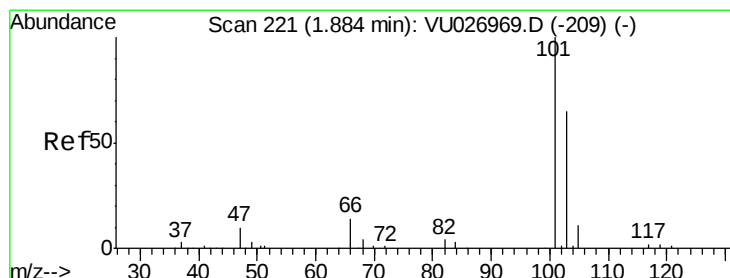
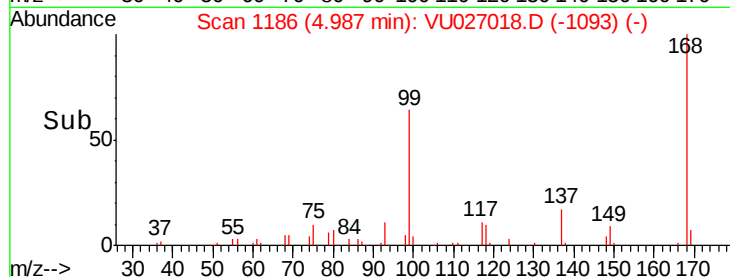
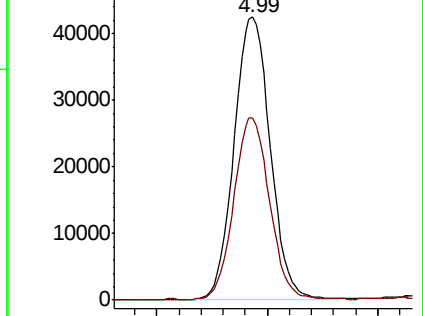
168 100

99 63.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#7

Trichlorofluoromethane

Concen: 2.642 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027018.D

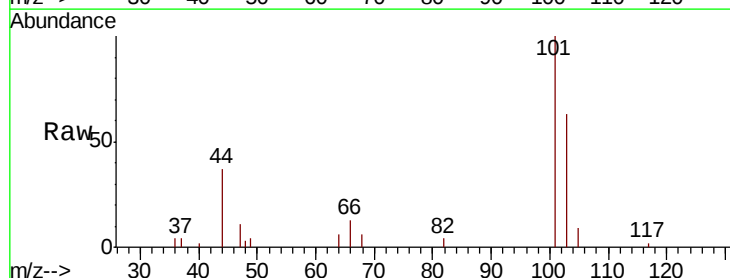
Acq: 22 Sep 2018 16:11

Tgt Ion:101 Resp: 6106

Ion Ratio Lower Upper

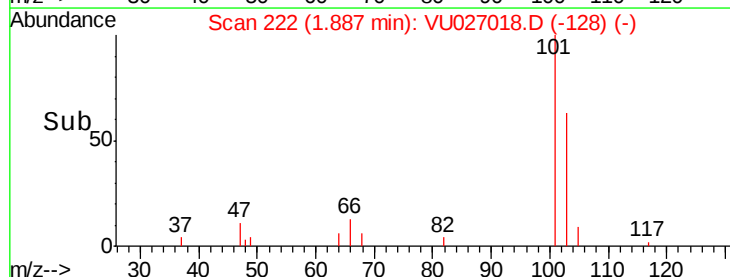
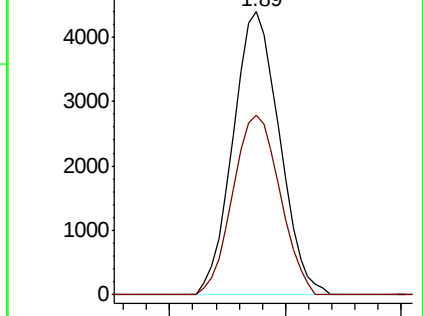
101 100

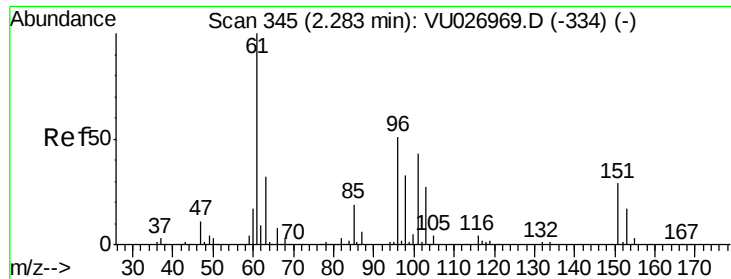
103 63.4 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#12

1,1-Dichloroethene

Concen: 1.436 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

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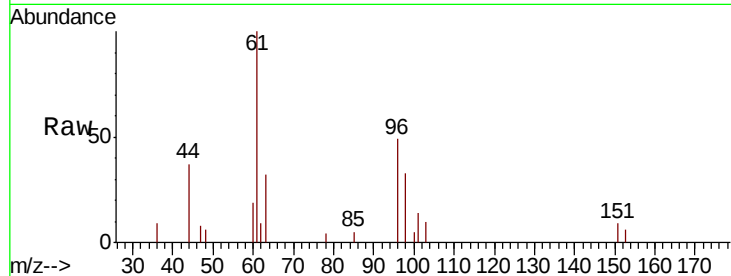
Tot Ion: 96 Resp: 1920

Ion Ratio Lower Upper

96 100

61 205.2 156.1 234.1

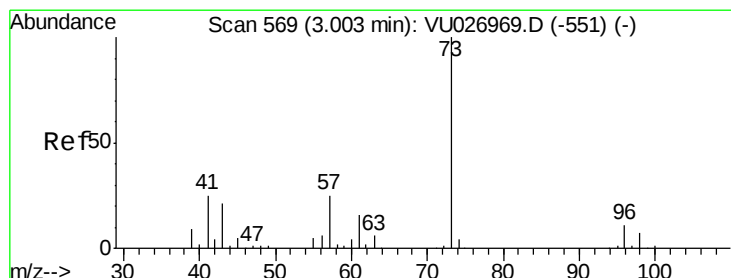
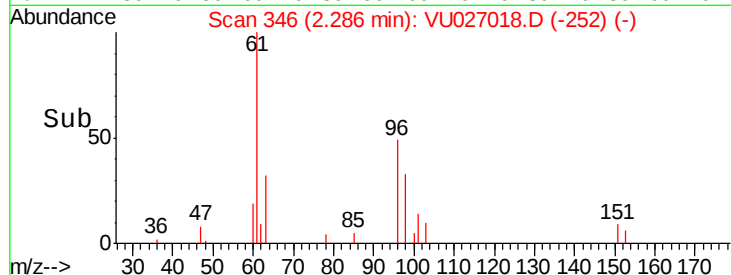
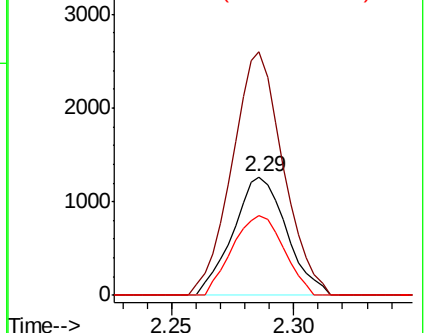
98 67.2 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU027018.D (-252) (-)

Ion 60.90 (60.60 to 61.60): VU027018.D (-252) (-)

Ion 97.90 (97.60 to 98.60): VU027018.D (-252) (-)



#19

Methyl tert-butyl Ether

Concen: 1.490 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027018.D

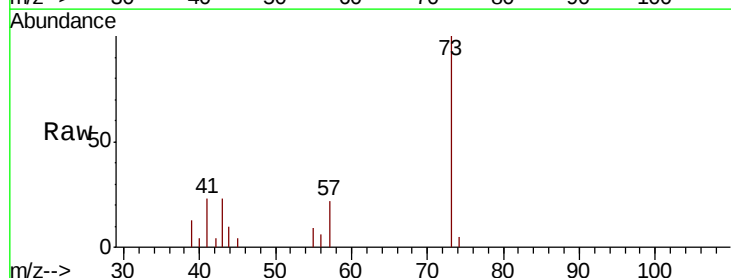
Acq: 22 Sep 2018 16:11

Tgt Ion: 73 Resp: 7320

Ion Ratio Lower Upper

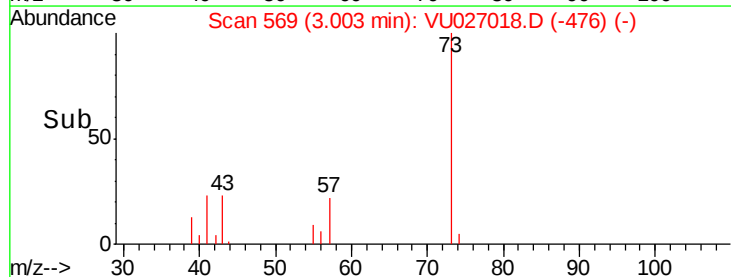
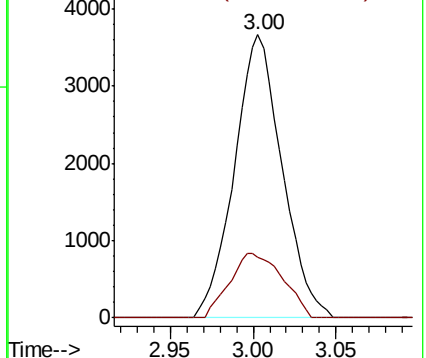
73 100

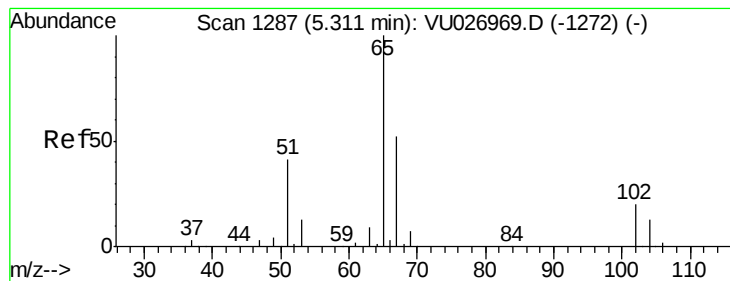
57 21.6 19.8 29.6



Abundance Ion 73.00 (72.70 to 73.70): VU027018.D (-476) (-)

Ion 57.00 (56.70 to 57.70): VU027018.D (-476) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.569 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

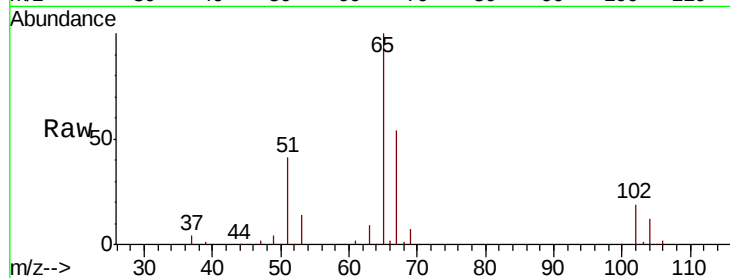
BPSI-HN-MW24IR-20180914

Tot Ion: 65 Resp: 96598

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

40000

30000

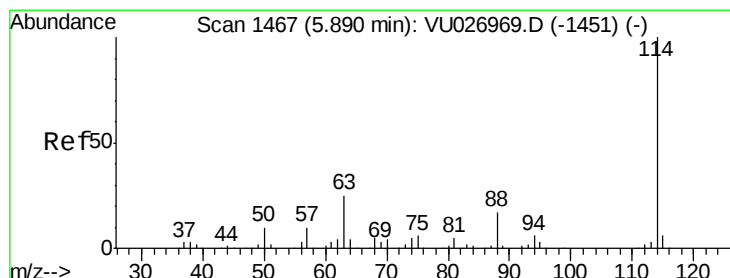
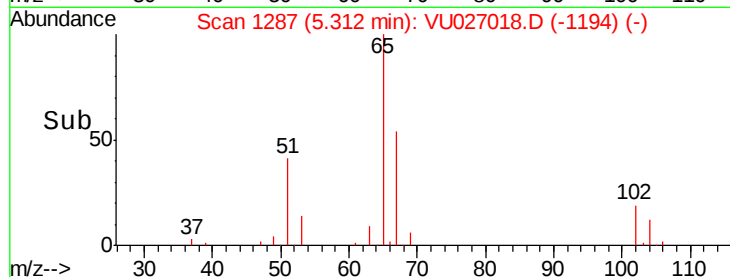
20000

10000

0

Time-->

5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

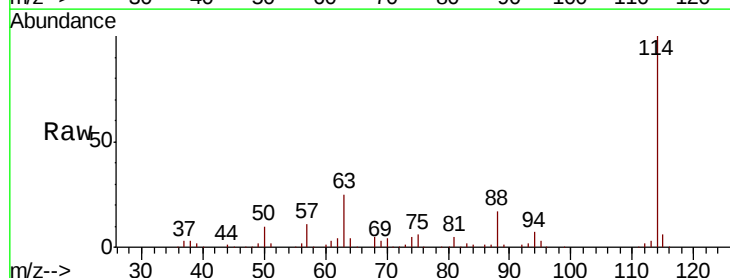
Tgt Ion: 114 Resp: 160378

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 17.2 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

5.89

100000

80000

60000

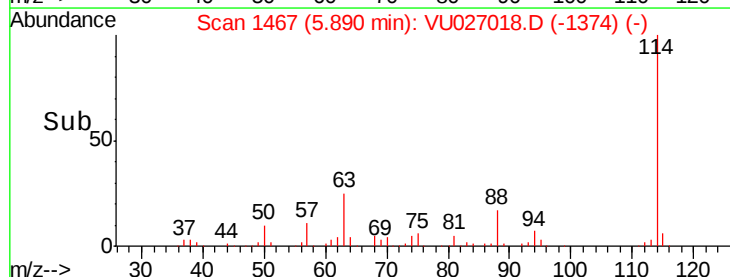
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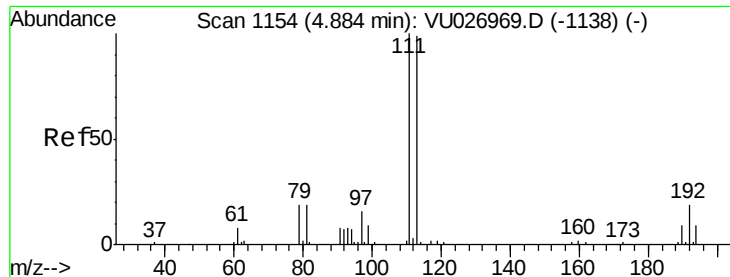
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0

Time-->

5.80 5.85 5.90 5.95

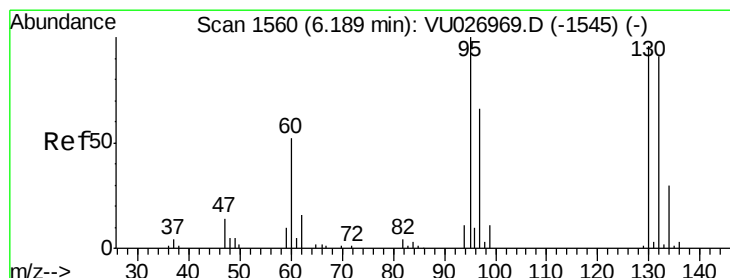
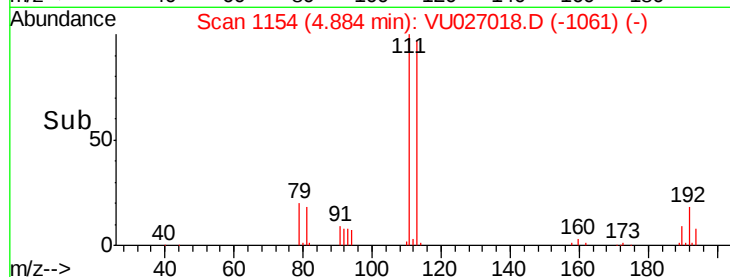
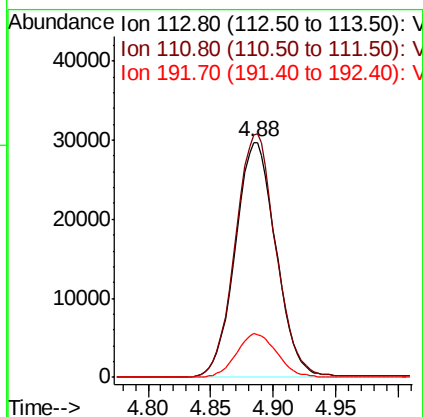
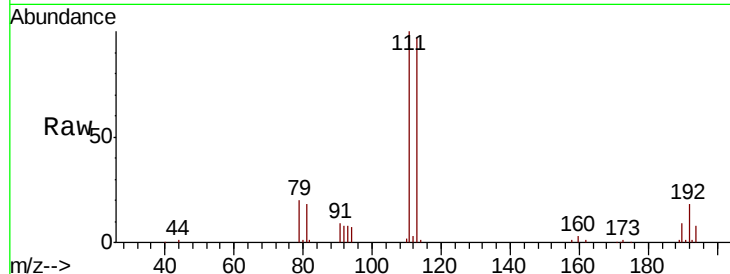




#35
 Dibromofluoromethane
 Concen: 48.373 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027018.D
 Acq: 22 Sep 2018 16:11

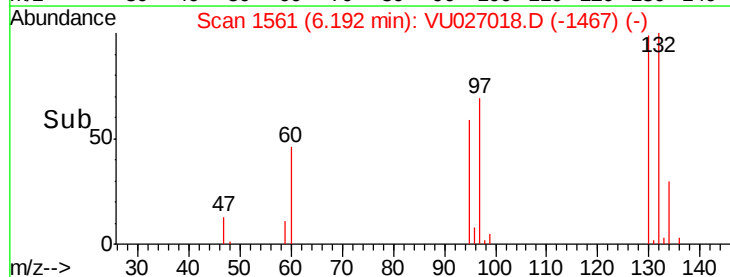
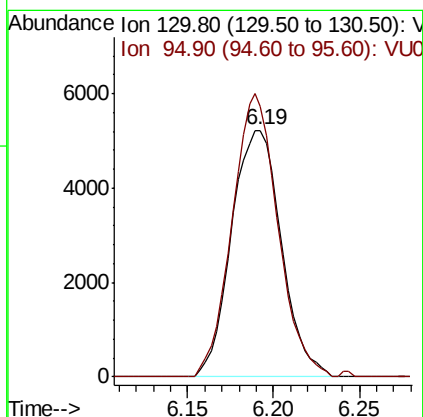
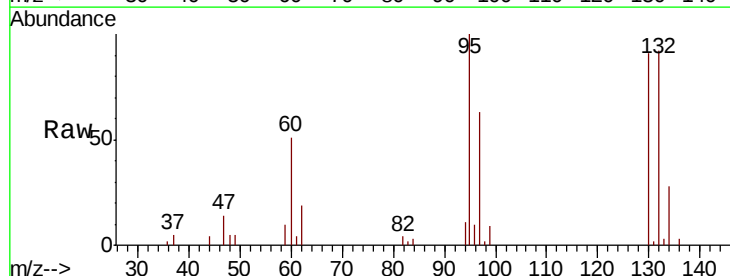
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

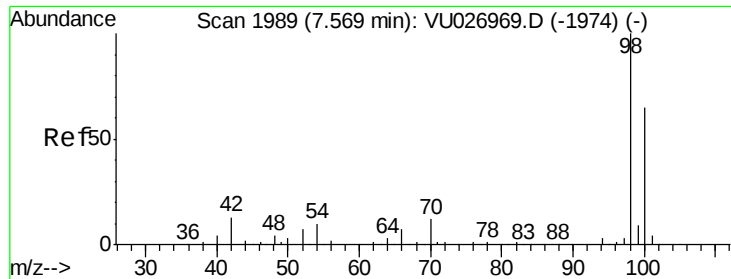
Tot Ion:113 Resp: 67246
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 18.4 15.2 22.8



#44
 Trichloroethene
 Concen: 7.609 ug/l
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VU027018.D
 Acq: 22 Sep 2018 16:11

Tgt Ion:130 Resp: 10541
 Ion Ratio Lower Upper
 130 100
 95 109.7 0.0 208.8





#50

Toluene-d8

Concen: 46.851 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

Instrument :

MSVOA_U

ClientSampleId :

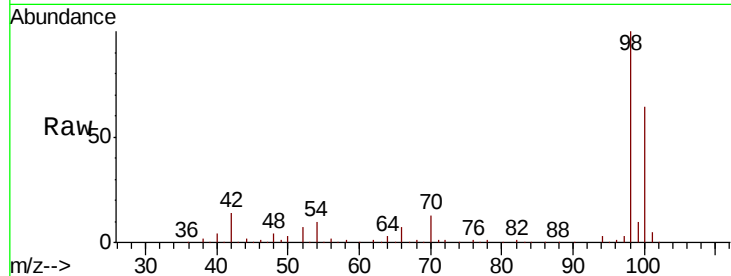
BPSI-HN-MW24IR-20180914

Tot Ion: 98 Resp: 248212

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

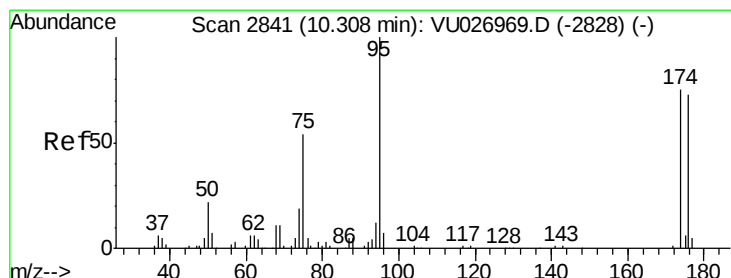
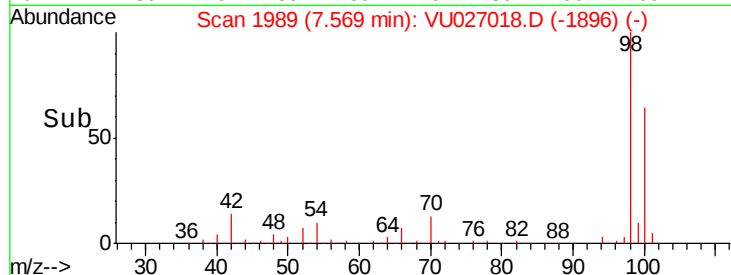
100000

50000

0

7.50 7.55 7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 45.870 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027018.D

Acq: 22 Sep 2018 16:11

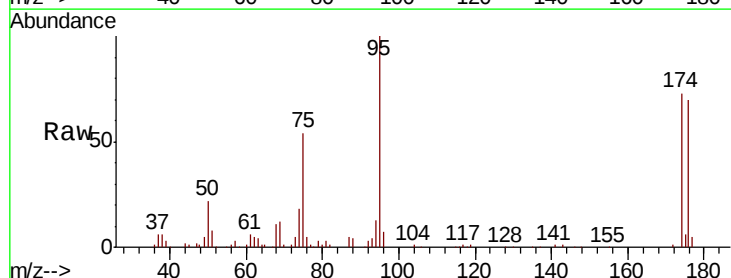
Tgt Ion: 95 Resp: 83386

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.2

176 70.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

10.31

60000

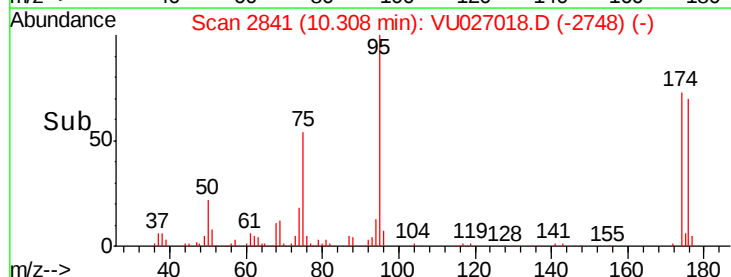
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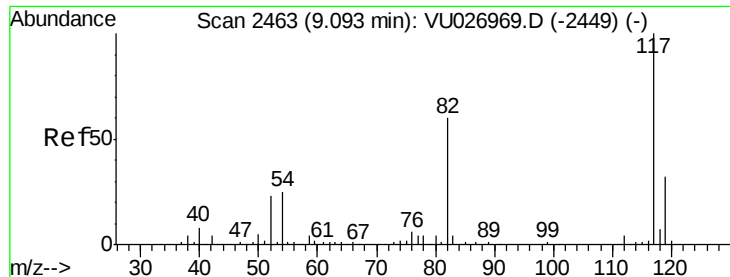
20000

0

10.30 10.31 10.32

Time-->

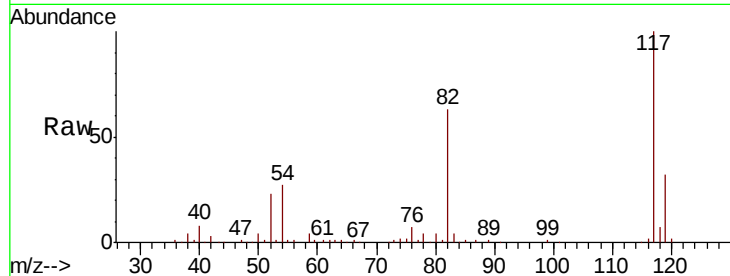




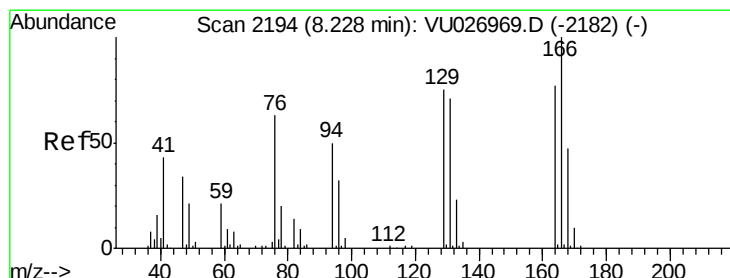
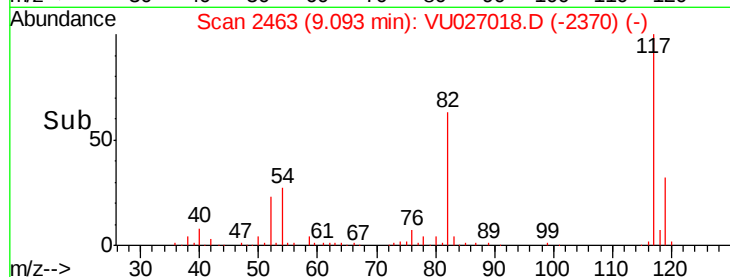
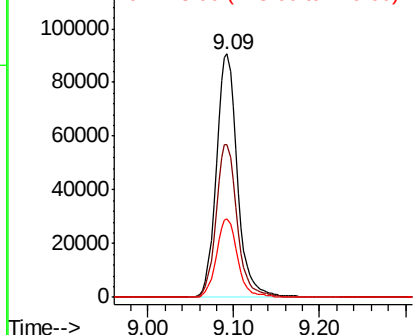
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027018.D
Acq: 22 Sep 2018 16:11

Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24IR-20180914

Tot Ion:117 Resp: 154578
Ion Ratio Lower Upper
117 100
82 62.7 48.0 72.0
119 32.3 25.8 38.8

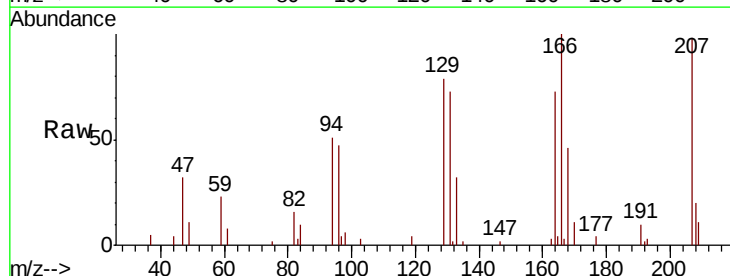


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

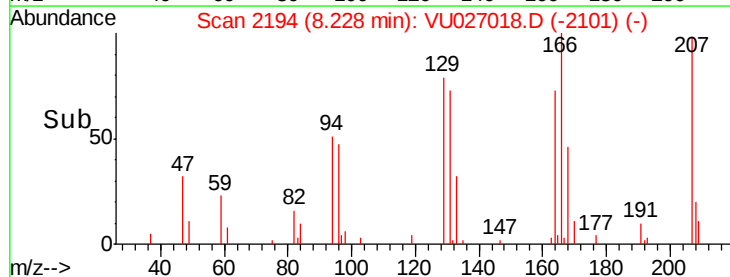
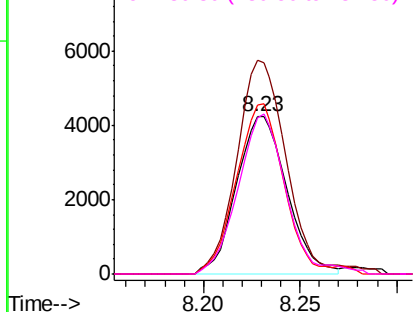


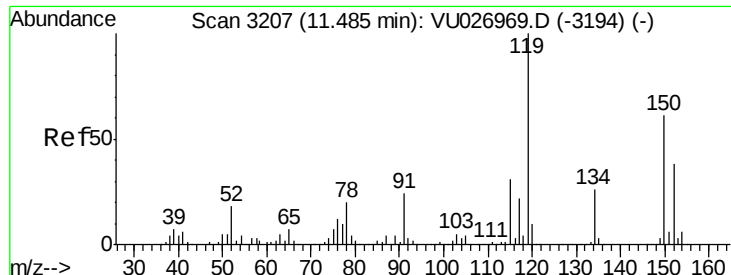
#64
Tetrachloroethene
Concen: 6.424 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027018.D
Acq: 22 Sep 2018 16:11

Tgt Ion:164 Resp: 7652
Ion Ratio Lower Upper
164 100
166 136.1 104.4 156.6
129 107.8 78.7 118.1
131 99.9 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU026969.D (-2182) (-)
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU027018.D
 Acq: 22 Sep 2018 16:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-HN-MW24IR-20180914

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.9	134.5
150	158.1	0.0	355.8

