

Data File : VU027017.D
Acq On : 22 Sep 2018 15:48
Operator : MD/SY
Sample : J4958-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24S-20180914

Quant Time: Sep 24 02:50:52 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	100547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166696	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	99675	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	4.88	113	68360	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	7.57	98	263746	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	10.31	95	85236	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

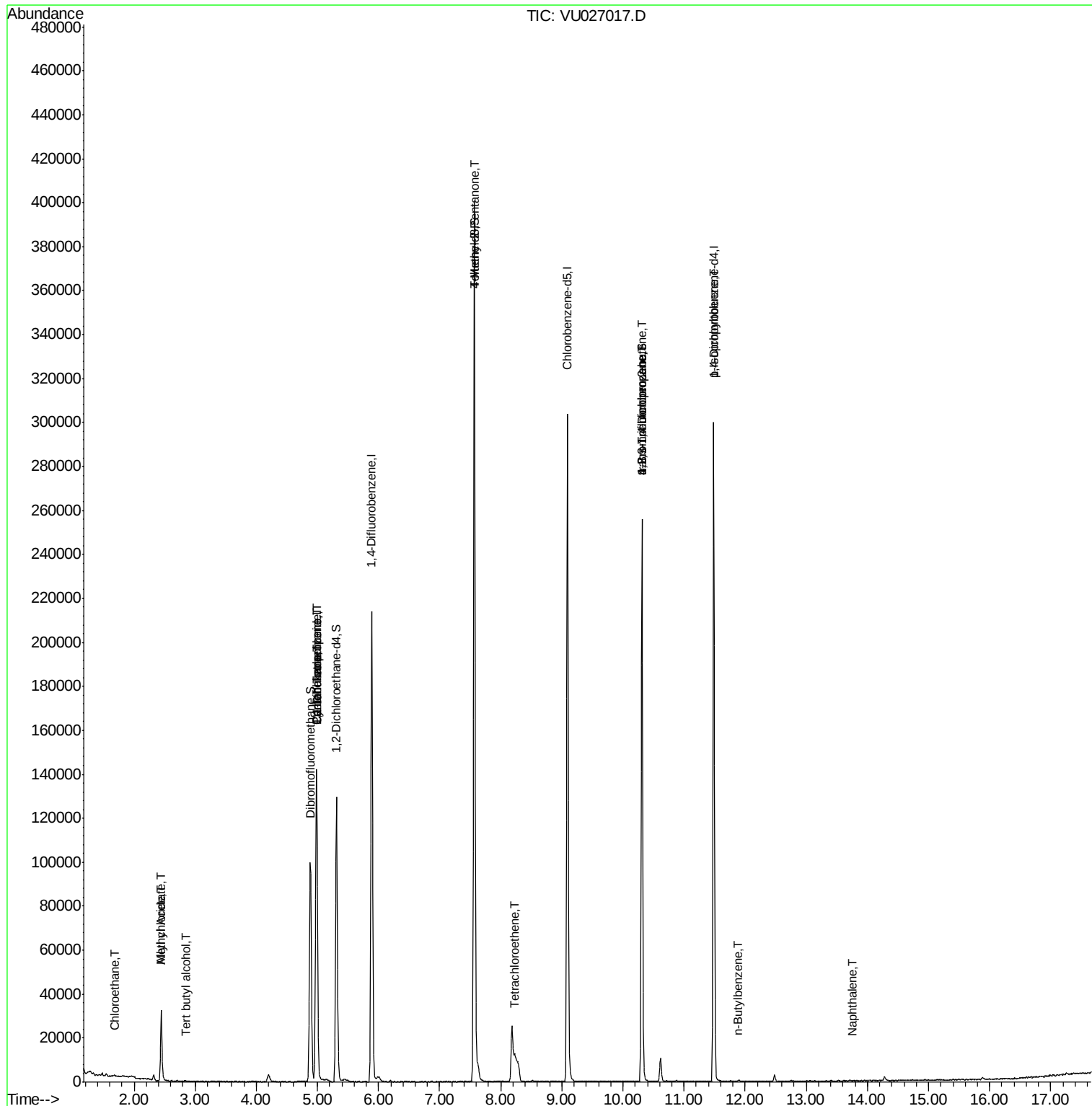
						Qvalue
6) Chloroethane	1.68	64	314	0.233	ug/l #	43
11) Tert butyl alcohol	2.84	59	247	0.533	ug/l #	72
14) Allyl chloride	2.44	41	3151	1.119	ug/l #	72
16) Acetone	2.32	43	2642	Below Cal		96
18) Methyl Acetate	2.44	43	8003	2.778	ug/l #	55
31) Cyclohexane	4.98	56	2745	0.339	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9613	4.321	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10512	4.965	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1295	0.438	ug/l #	1
64) Tetrachloroethene	8.23	164	329	0.270	ug/l #	78
76) 1,2,3-Trichloropropane	10.31	75	45740	21.076	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45740	67.448	ug/l #	100
86) p-Isopropyltoluene	11.48	119	147	0.956	ug/l #	1
89) n-Butylbenzene	11.90	91	273	2.445	ug/l #	54
95) Naphthalene	13.75	128	100	1.705	ug/l #	69

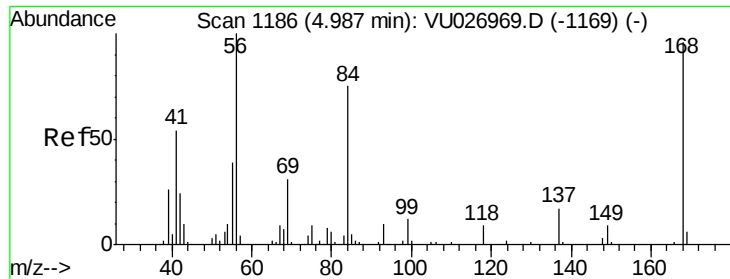
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

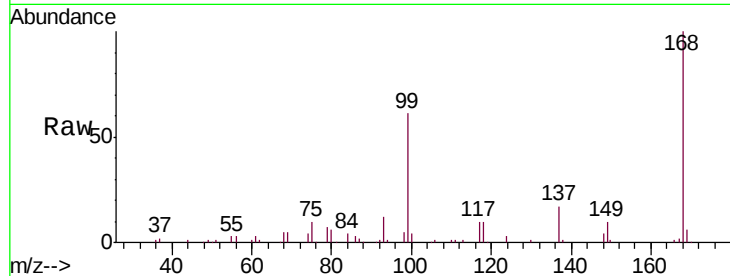
BPSI-HN-MW24S-20180914

Tgt Ion: 168 Resp: 100547

Ion Ratio Lower Upper

168 100

99 61.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

50000

40000

30000

20000

10000

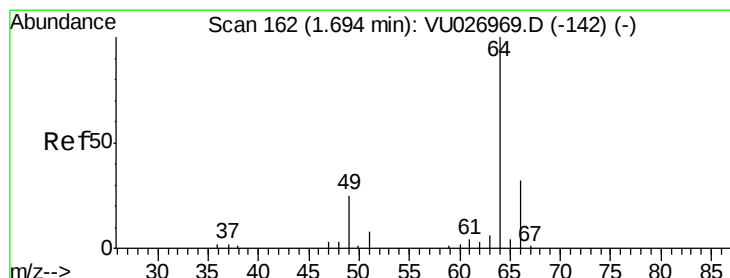
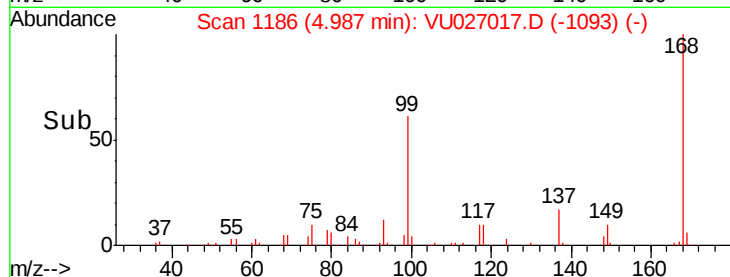
0

Time-->

4.90

5.00

5.10



#6

Chloroethane

Concen: 0.233 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU027017.D

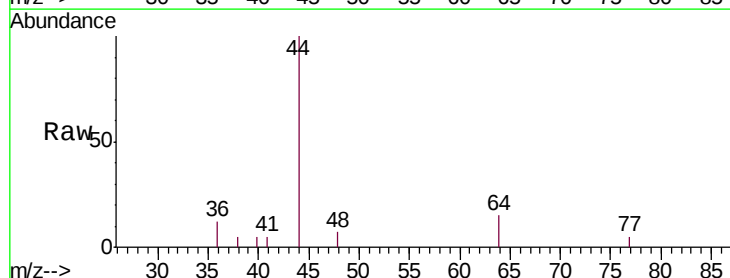
Acq: 22 Sep 2018 15:48

Tgt Ion: 64 Resp: 314

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.68

300

200

100

0

Time-->

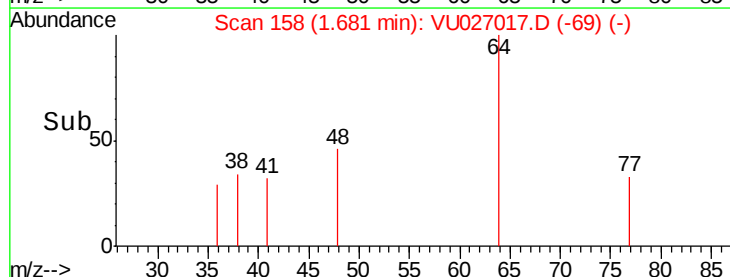
1.64

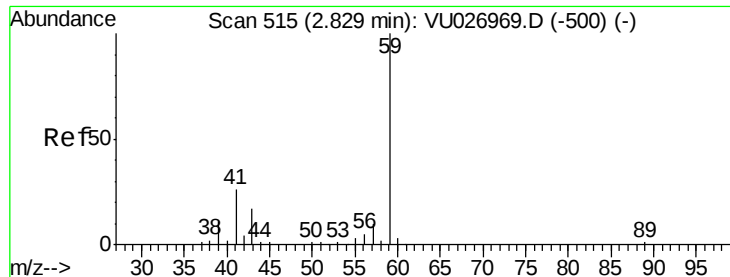
1.66

1.68

1.70

1.72

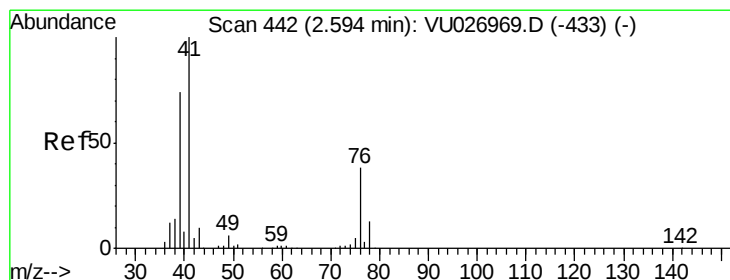
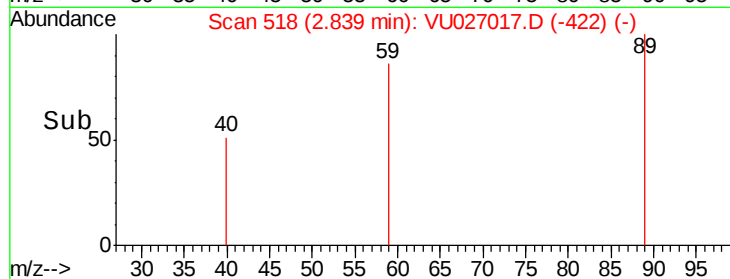
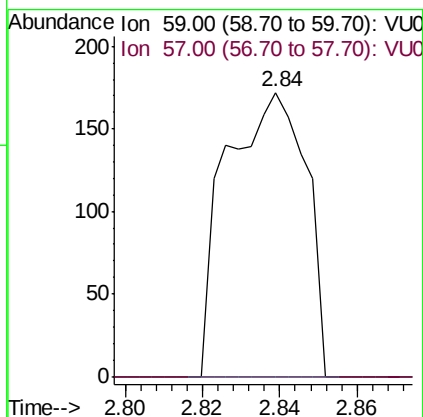
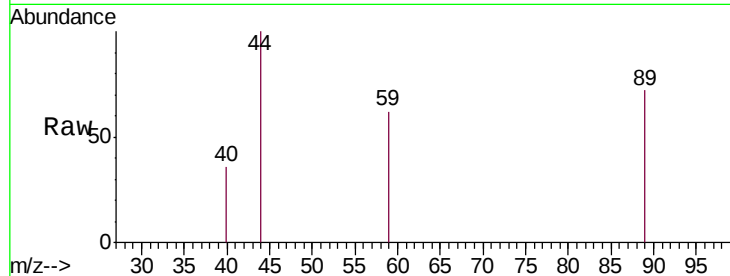




#11
Tert butyl alcohol
Concen: 0.533 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

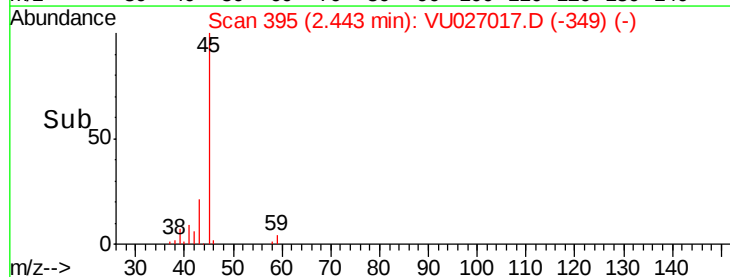
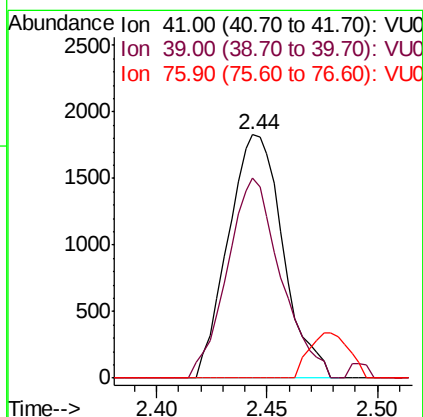
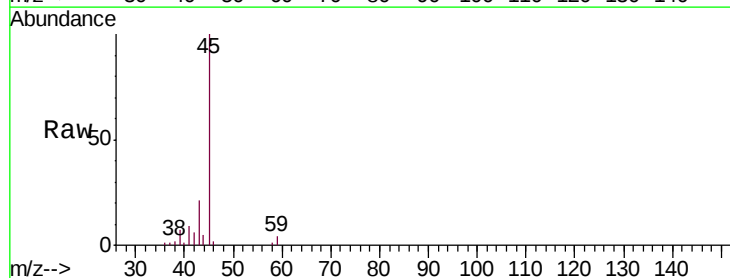
Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24S-20180914

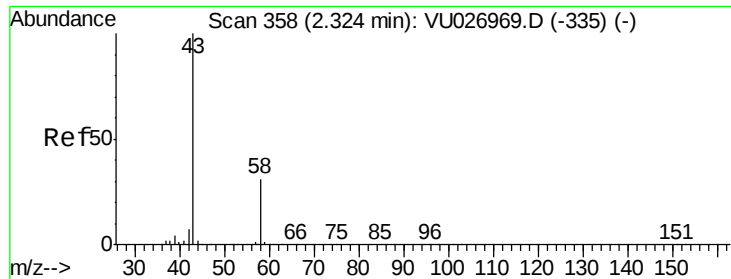
Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 1.119 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

Tgt Ion: 41 Resp: 3151
Ion Ratio Lower Upper
41 100
39 80.2 55.7 83.5
76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 356

Delta R.T. -0.01 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

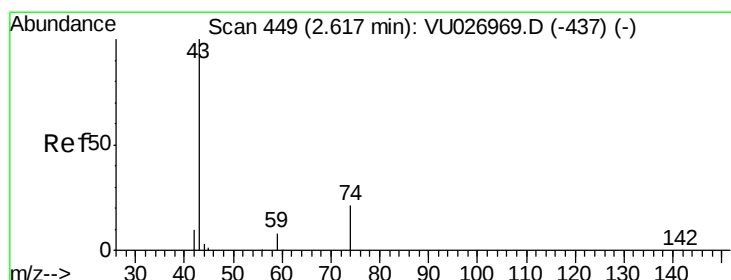
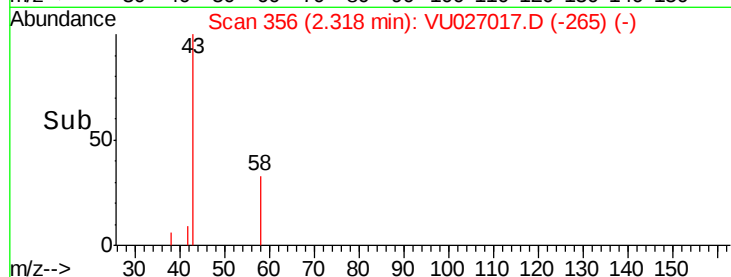
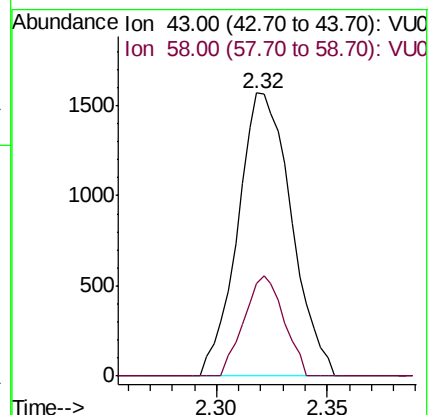
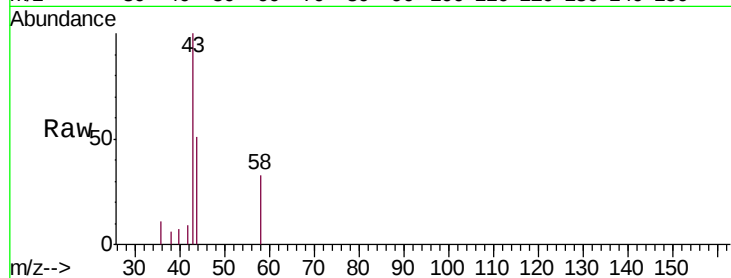
BPSI-HN-MW24S-20180914

Tgt Ion: 43 Resp: 2642

Ion Ratio Lower Upper

43 100

58 32.9 24.6 36.8



#18

Methyl Acetate

Concen: 2.778 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027017.D

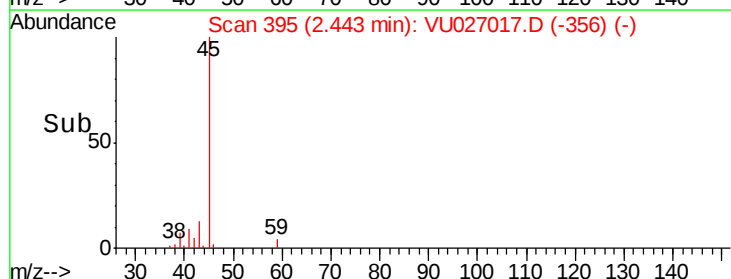
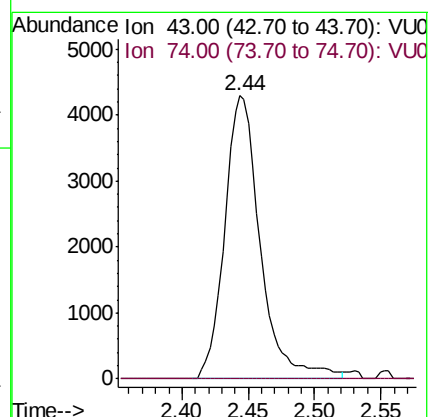
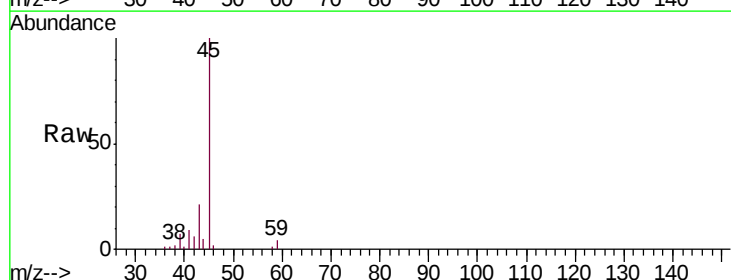
Acq: 22 Sep 2018 15:48

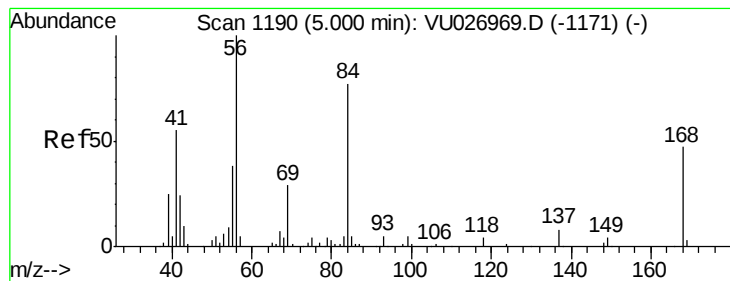
Tgt Ion: 43 Resp: 8003

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#31

Cyclohexane

Concen: 0.339 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24S-20180914

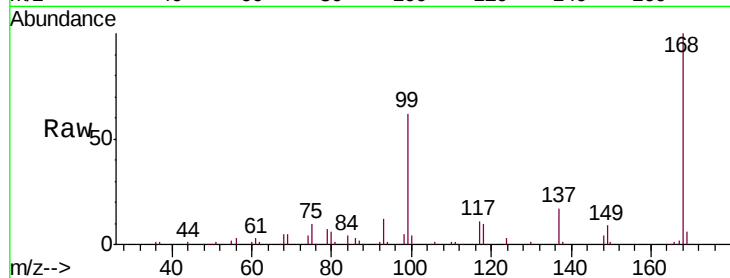
Tgt Ion: 56 Resp: 2745

Ion Ratio Lower Upper

56 100

69 170.5 23.0 34.4#

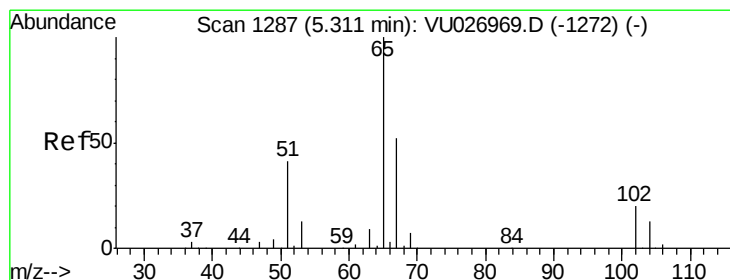
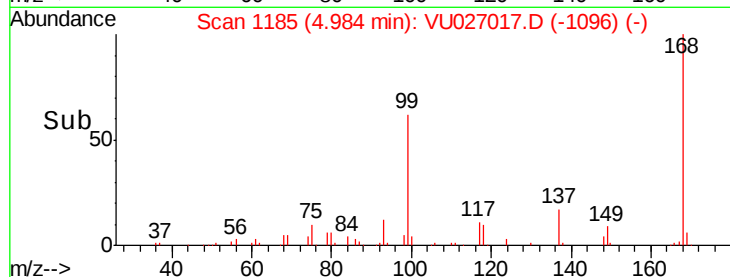
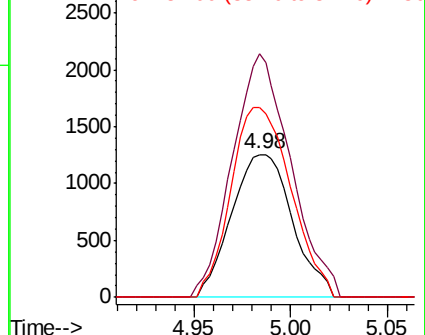
84 133.1 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VU027017.D (-1185) (-)

Ion 69.00 (68.70 to 69.70): VU027017.D (-1185) (-)

Ion 84.00 (83.70 to 84.70): VU027017.D (-1185) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.254 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027017.D

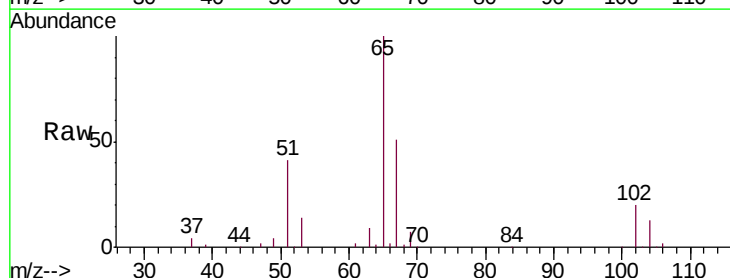
Acq: 22 Sep 2018 15:48

Tgt Ion: 65 Resp: 99675

Ion Ratio Lower Upper

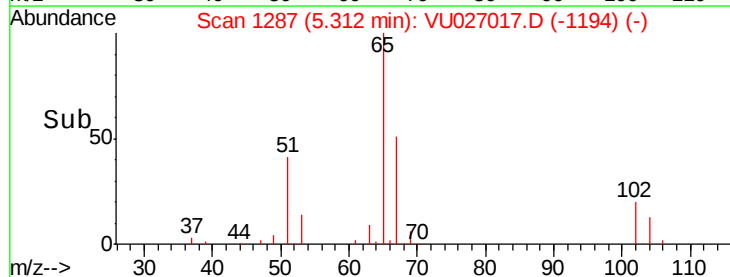
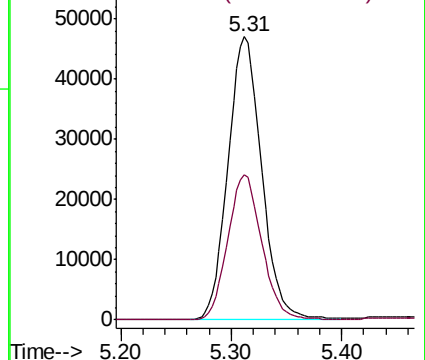
65 100

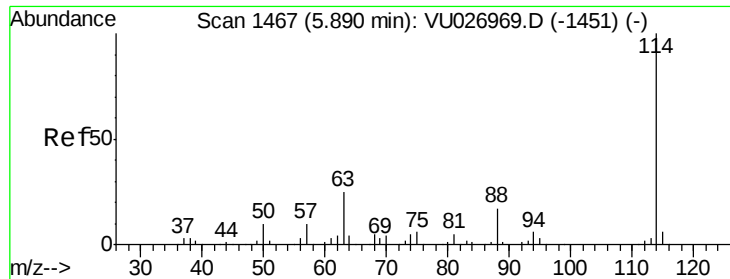
67 51.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU027017.D (-1287) (-)

Ion 66.90 (66.60 to 67.60): VU027017.D (-1287) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24S-20180914

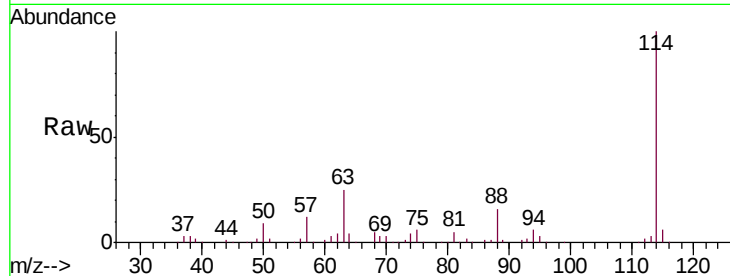
Tgt Ion:114 Resp: 166696

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

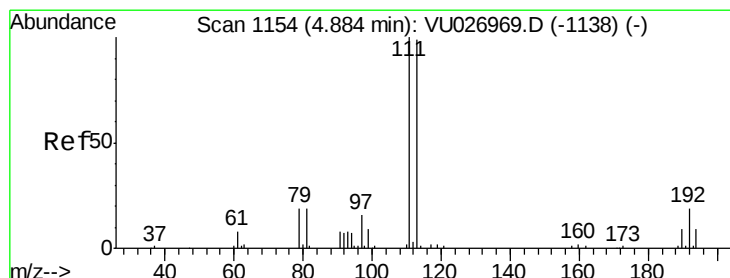
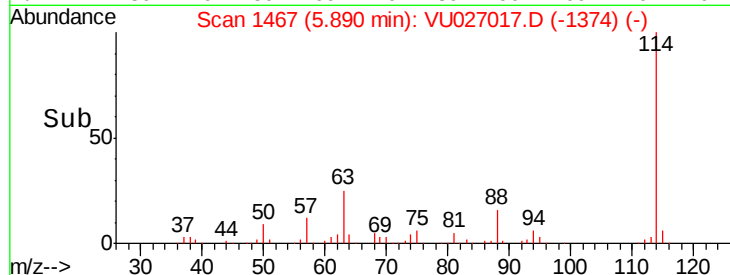
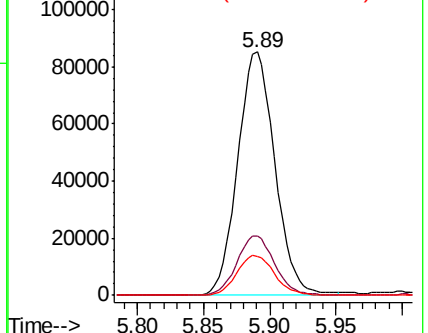
88 16.2 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.310 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

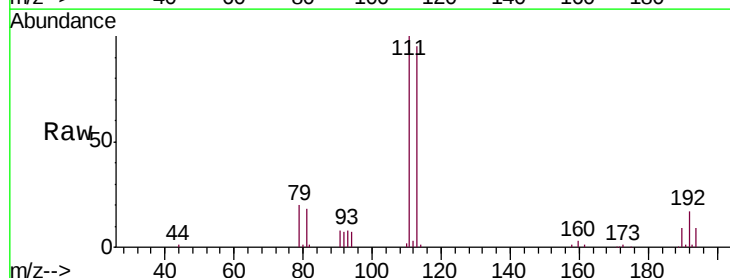
Tgt Ion:113 Resp: 68360

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

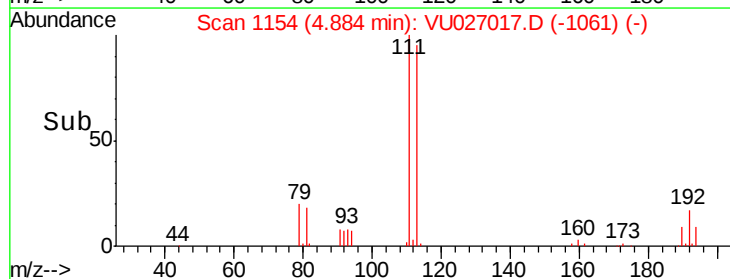
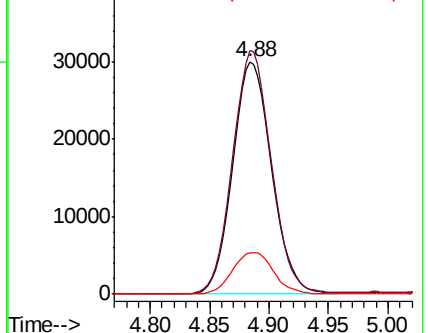
192 18.7 15.2 22.8

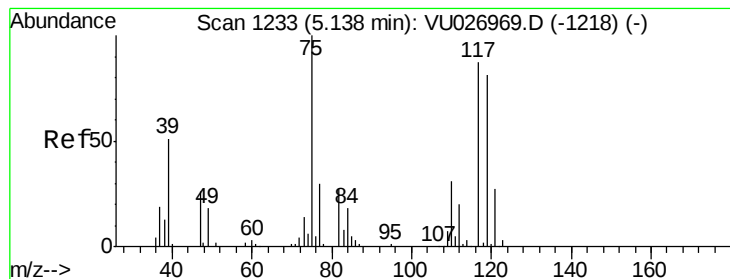


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.321 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

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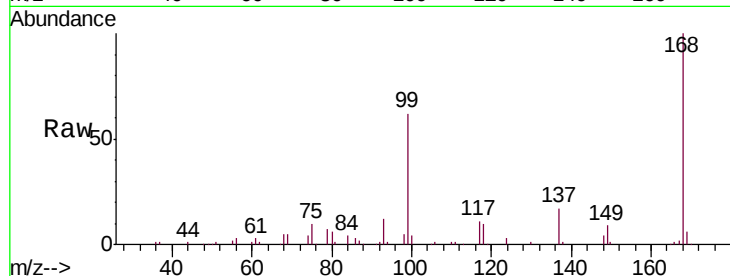
Tgt Ion: 75 Resp: 9613

Ion Ratio Lower Upper

75 100

110 3.5 16.1 48.2#

77 0.0 24.6 36.8#

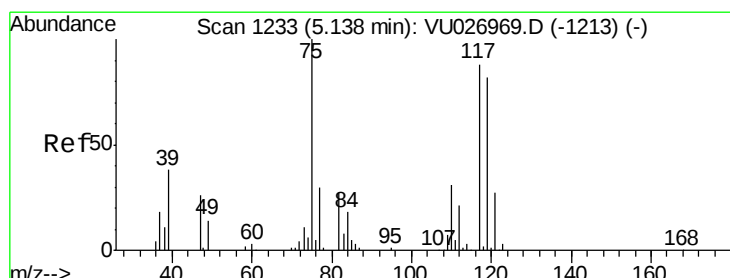
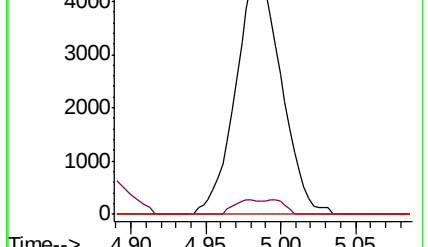
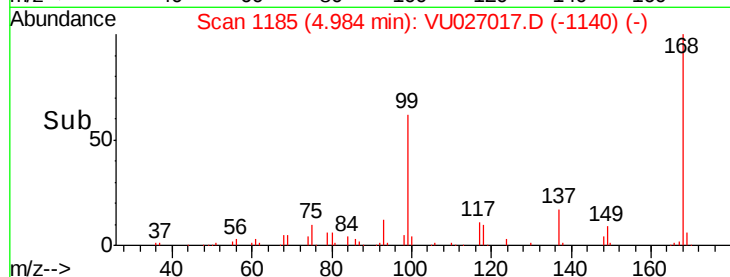


Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.965 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

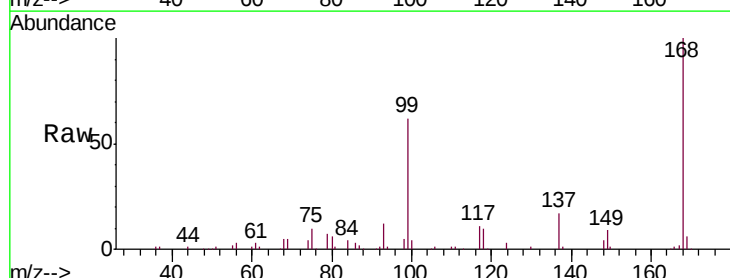
Tgt Ion: 117 Resp: 10512

Ion Ratio Lower Upper

117 100

119 4.6 74.4 111.6#

121 0.0 24.2 36.4#

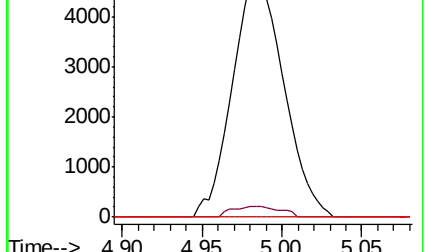
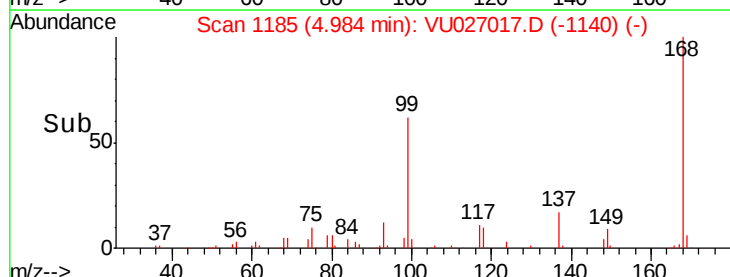


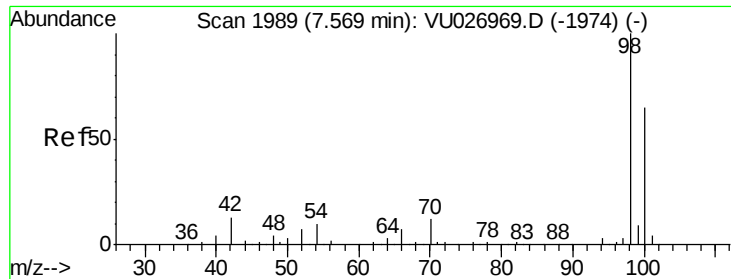
Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

Time-->





#50

Toluene-d8

Concen: 47.896 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

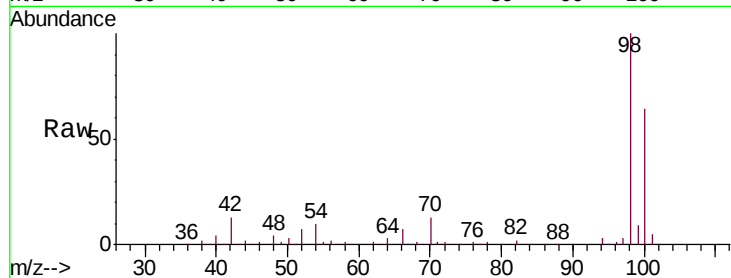
BPSI-HN-MW24S-20180914

Tgt Ion: 98 Resp: 263746

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

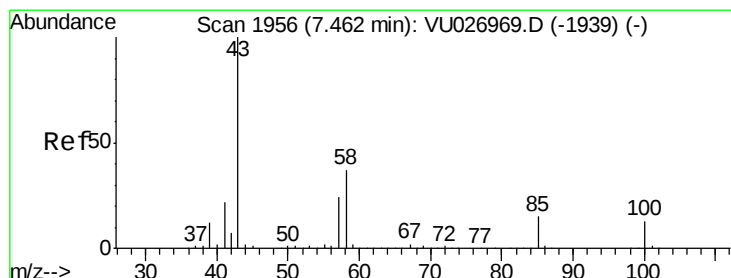
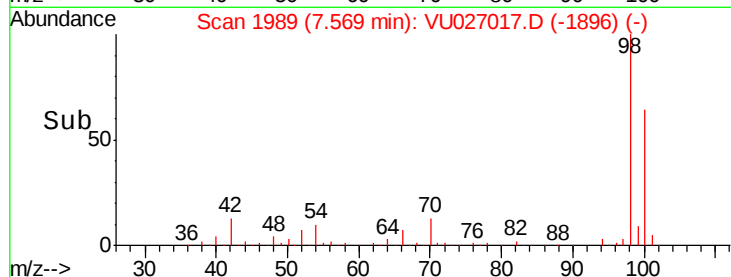
100000

50000

0

7.50 7.55 7.60 7.65

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027017.D

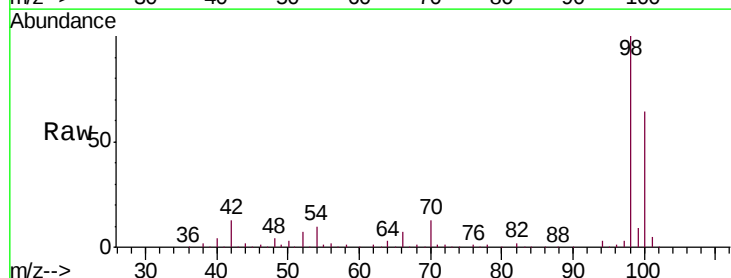
Acq: 22 Sep 2018 15:48

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 196.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.57

1500

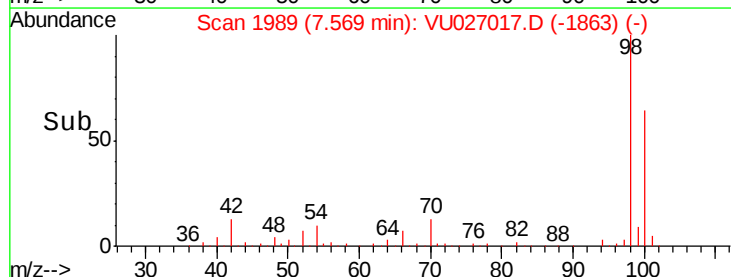
1000

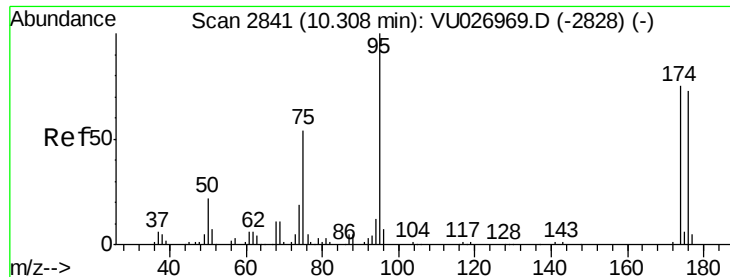
500

0

7.55 7.57 7.59 7.61

Time-->

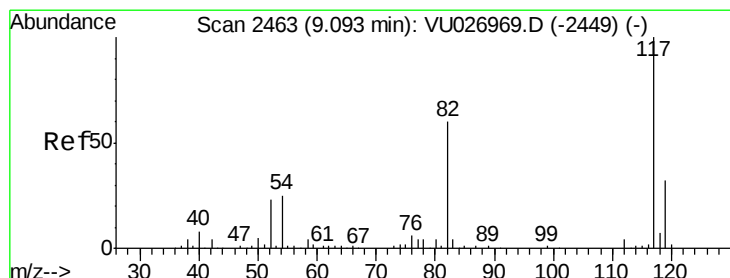
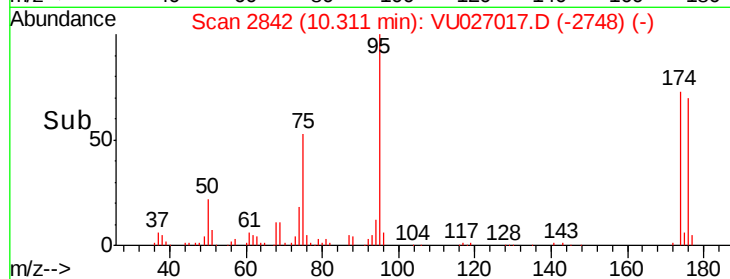
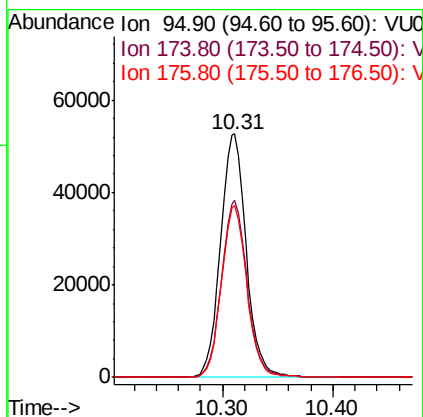
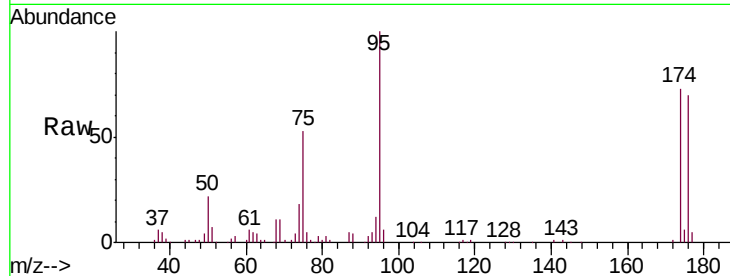




#62
4-Bromofluorobenzene
Concen: 45.110 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

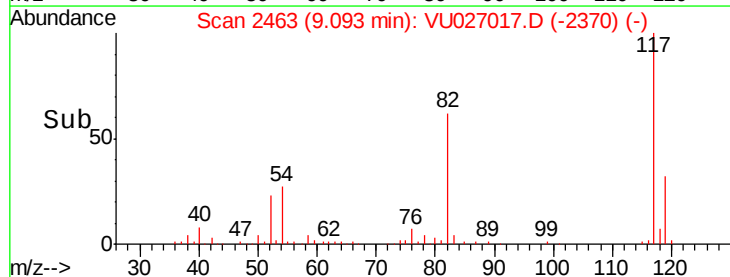
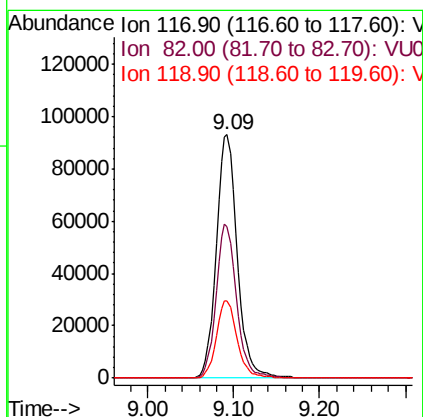
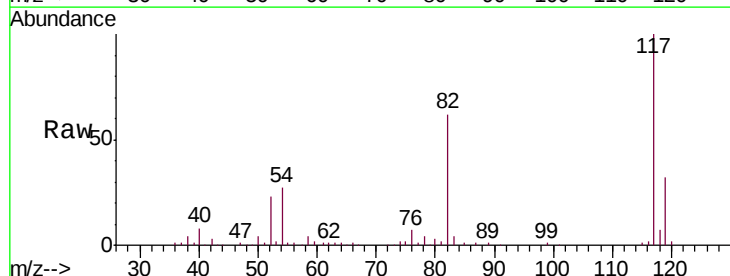
Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24S-20180914

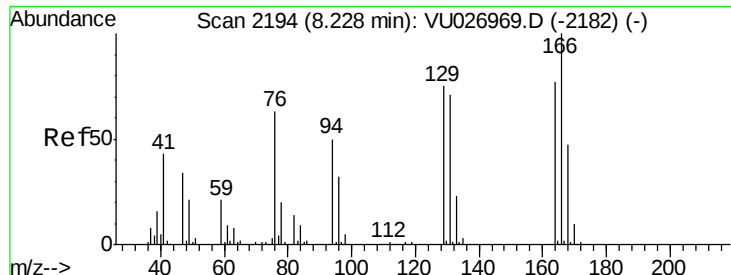
Tgt Ion: 95 Resp: 85236
Ion Ratio Lower Upper
95 100
174 72.5 0.0 150.2
176 69.4 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

Tgt Ion: 117 Resp: 158084
Ion Ratio Lower Upper
117 100
82 62.0 48.0 72.0
119 31.8 25.8 38.8





#64

Tetrachloroethene

Concen: 0.270 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24S-20180914

Tgt Ion:164 Resp: 329

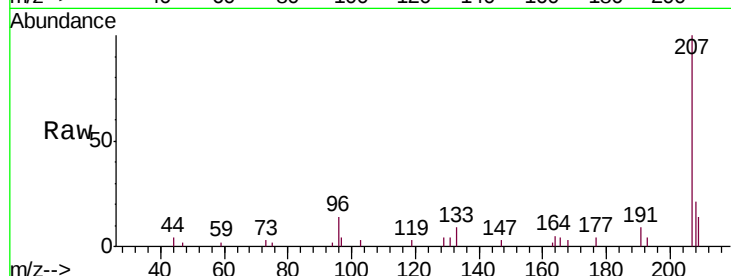
Ion Ratio Lower Upper

164 100

166 92.2 104.4 156.6#

129 79.9 78.7 118.1

131 82.9 73.9 110.9



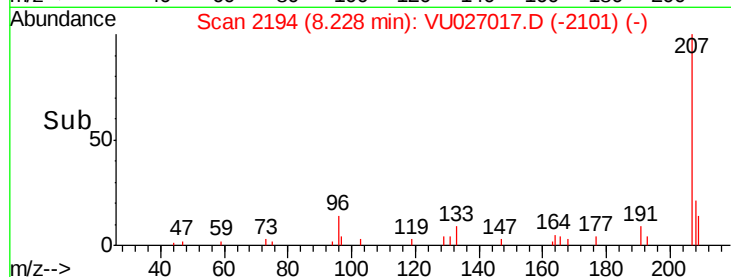
Abundance

Ion 163.80 (163.50 to 164.50): V

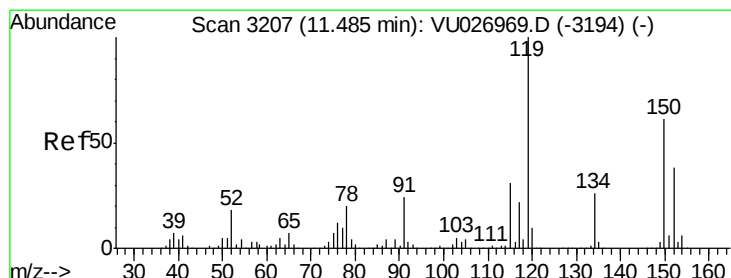
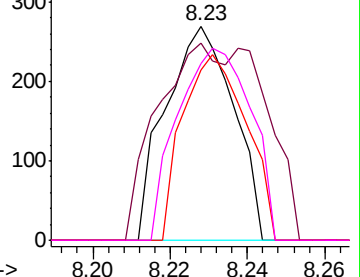
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

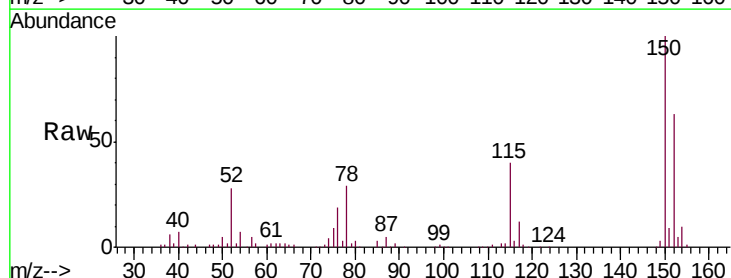
Tgt Ion:152 Resp: 71436

Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

150 157.3 0.0 355.8

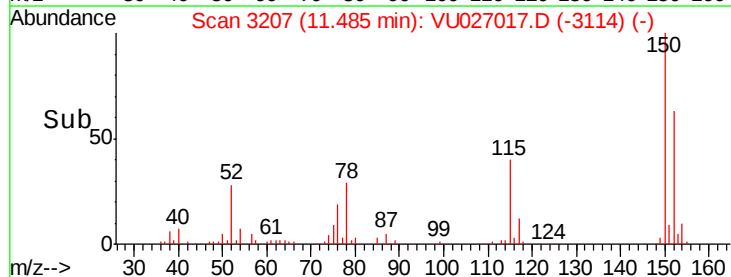


Abundance

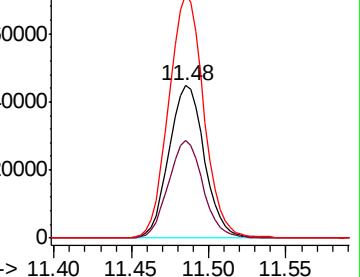
Ion 151.90 (151.60 to 152.60): V

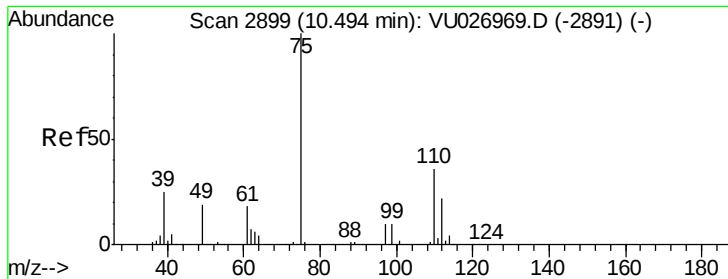
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 21.076 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

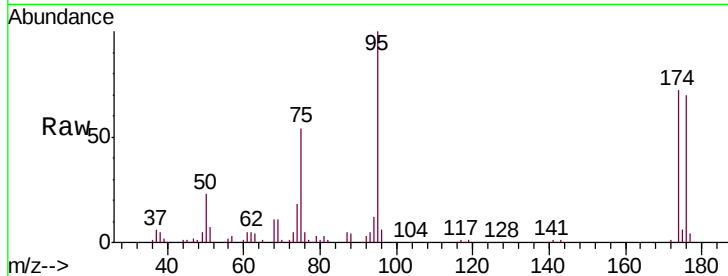
BPSI-HN-MW24S-20180914

Tgt Ion: 75 Resp: 45740

Ion Ratio Lower Upper

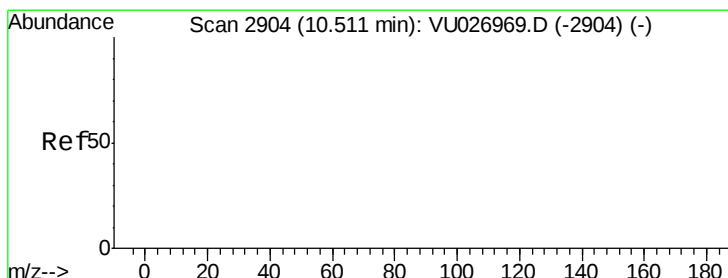
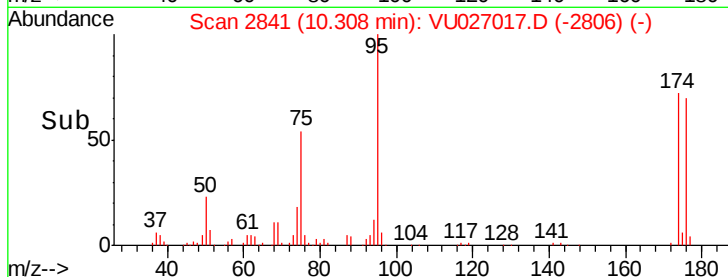
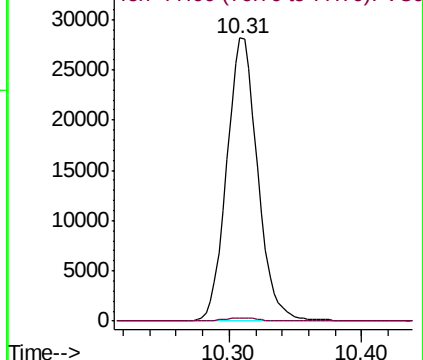
75 100

77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.448 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027017.D

Acq: 22 Sep 2018 15:48

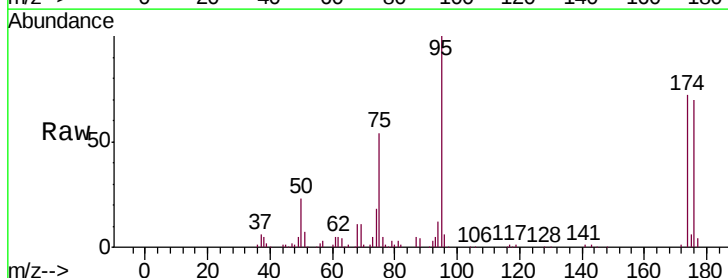
Tgt Ion: 75 Resp: 45740

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

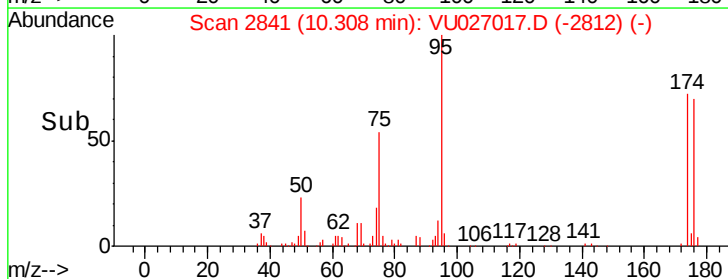
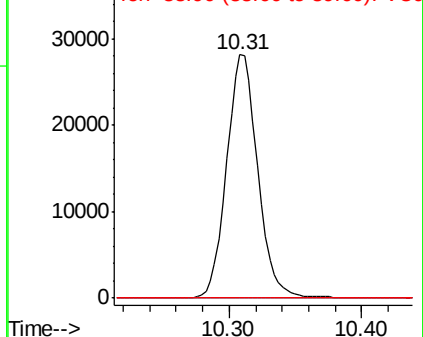
89 0.0 0.0 0.0

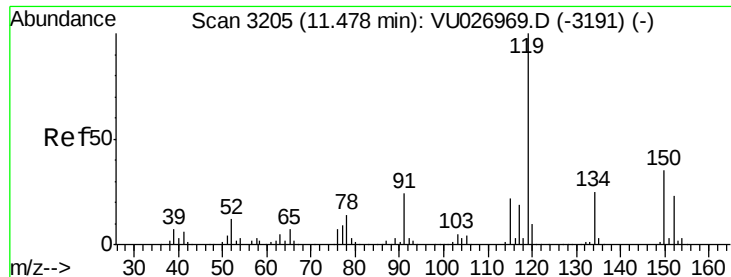


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

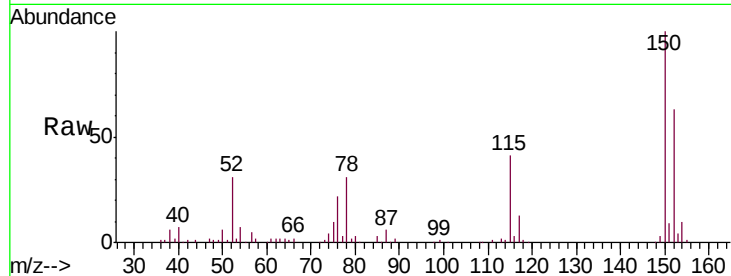




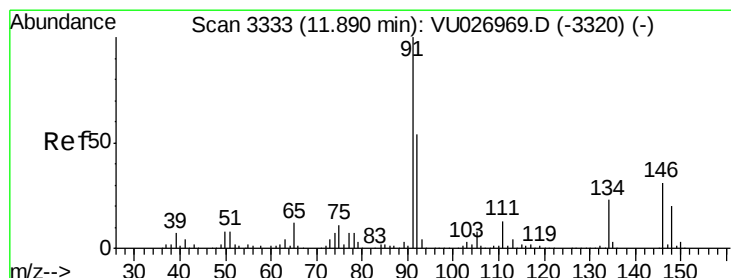
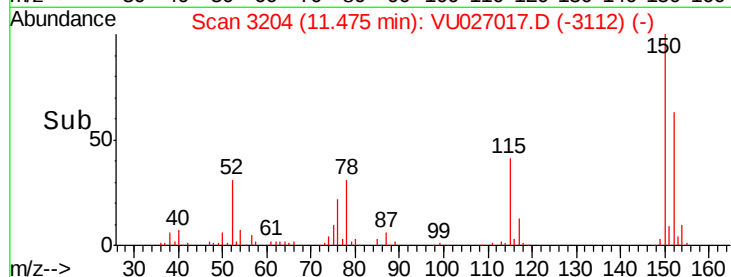
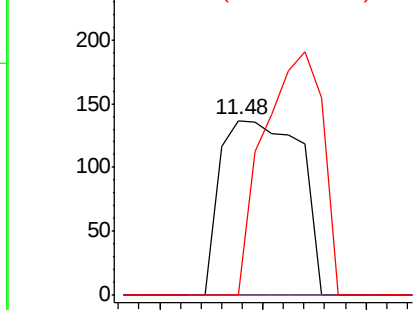
#86
p-Isopropyltoluene
Concen: 0.956 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampleId :
BPSI-HN-MW24S-20180914

Tgt Ion: 119 Resp: 147
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 102.0 12.3 36.8#

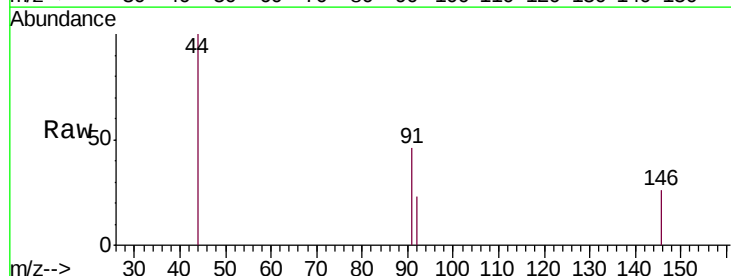


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

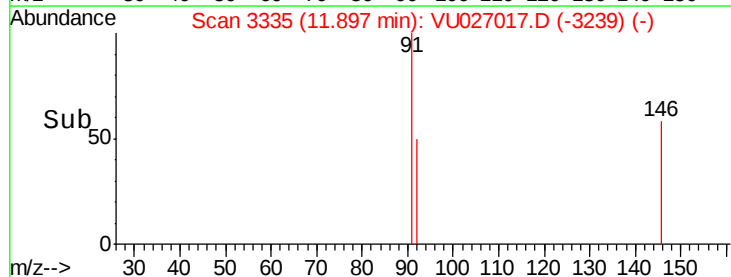
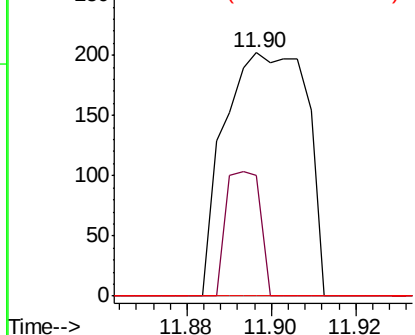


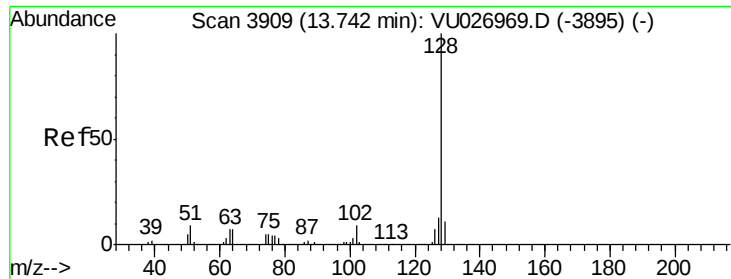
#89
n-Butylbenzene
Concen: 2.445 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU027017.D
Acq: 22 Sep 2018 15:48

Tgt Ion: 91 Resp: 273
Ion Ratio Lower Upper
91 100
92 21.2 27.1 81.2#
134 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.705 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU027017.D

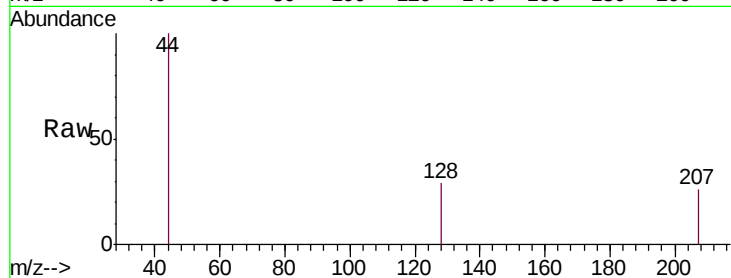
Acq: 22 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

BPSI-HN-MW24S-20180914



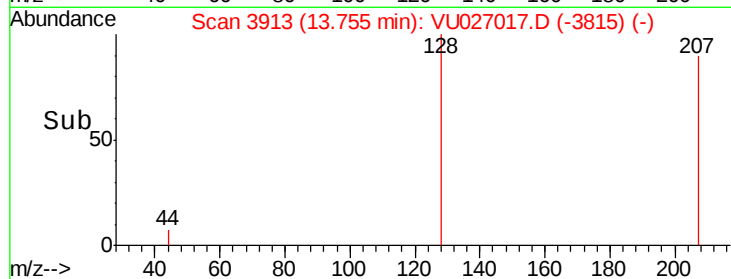
Tgt Ion:128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.75

13.76

13.77

Time-->