

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027155.D
 Acq On : 26 Sep 2018 02:52
 Operator : MD/SY
 Sample : J4980-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304D-20180917

Quant Time: Sep 26 06:04:14 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	89834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153219	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66467	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	97200	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	4.89	113	67111	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	7.57	98	246392	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	10.31	95	77859	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	314	0.758	ug/l #	72
14) Allyl chloride	2.44	41	3739	1.486	ug/l #	67
16) Acetone	2.32	43	3867	Below Cal		94
18) Methyl Acetate	2.44	43	10312	4.007	ug/l #	55
31) Cyclohexane	4.99	56	2483	0.350	ug/l #	3
36) 1,1-Dichloropropene	4.99	75	8588	4.200	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9363	4.811	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1132	0.417	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43290	21.439	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	43290	68.607	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

Instrument :

MSVOA_U

ClientSampleId :

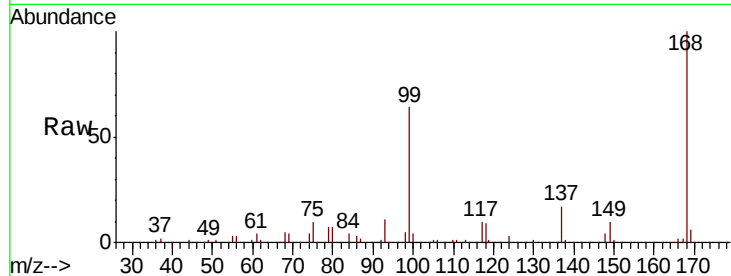
BPSI-TT-MW304D-20180917

Tot Ion:168 Resp: 89834

Ion Ratio Lower Upper

168 100

99 63.8 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

40000

30000

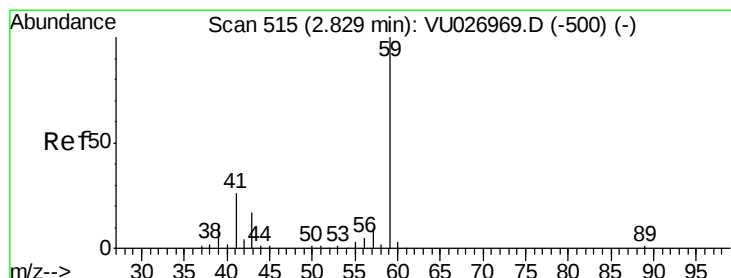
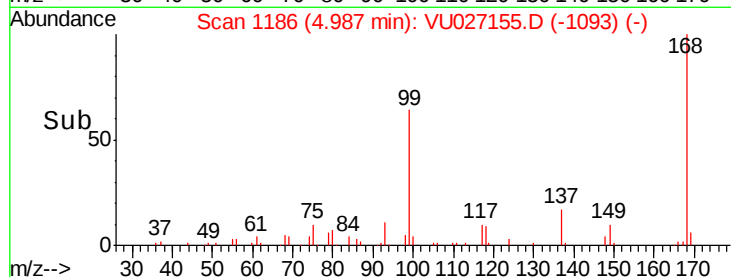
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 0.758 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027155.D

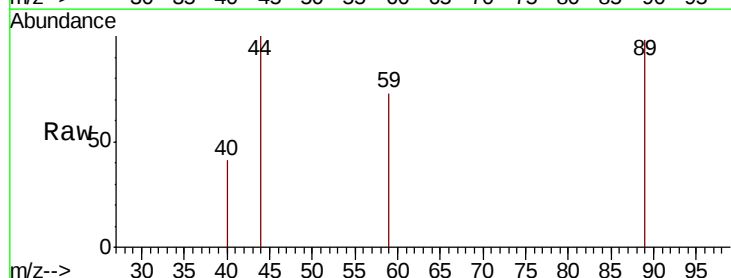
Acq: 26 Sep 2018 02:52

Tgt Ion: 59 Resp: 314

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

200

150

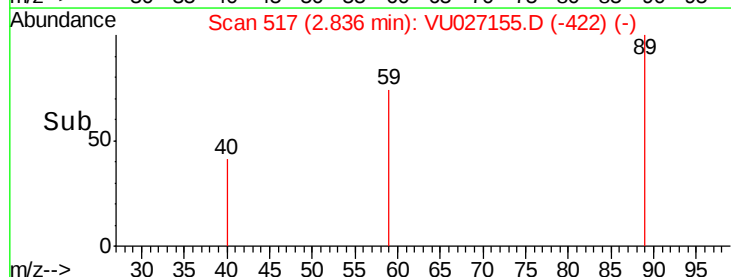
100

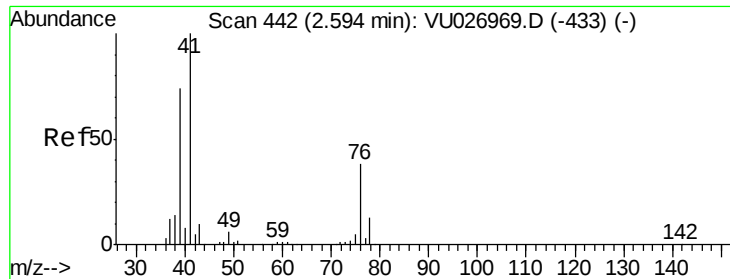
50

0

2.80 2.82 2.84 2.86

Time-->

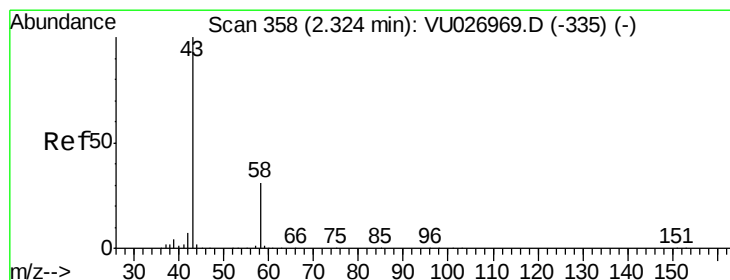
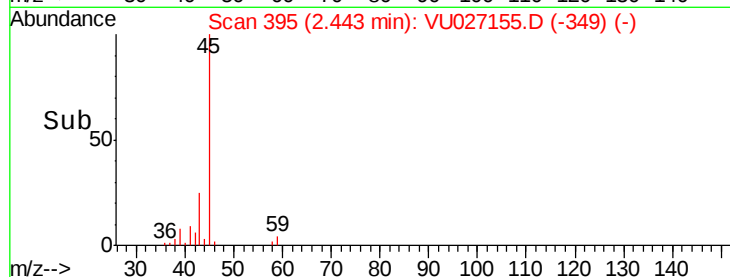
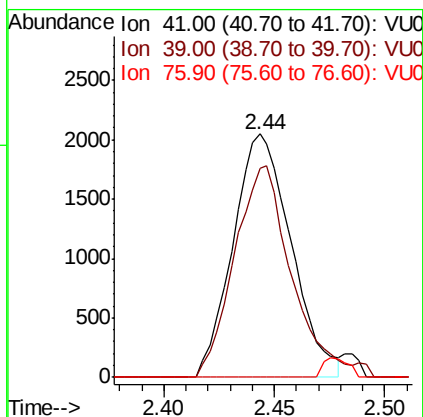
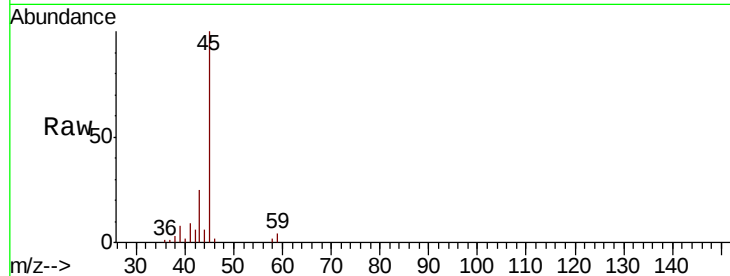




#14
Allvl chloride
Concen: 1.486 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

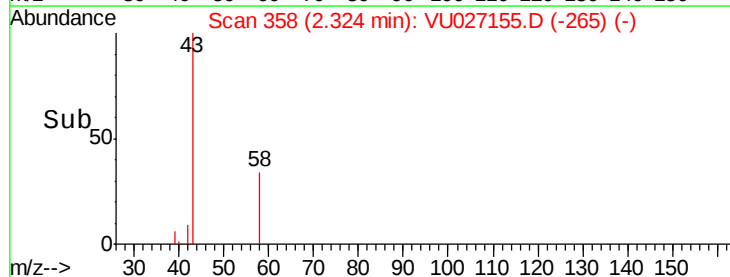
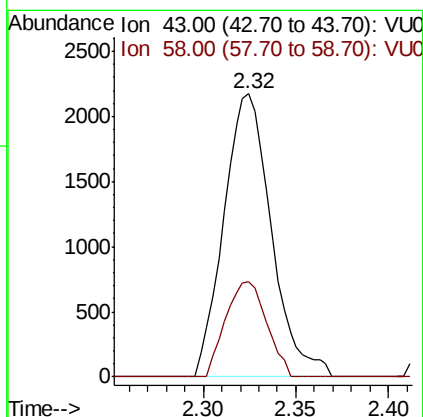
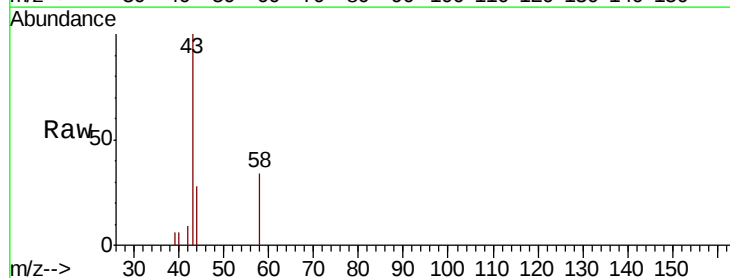
Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW304D-20180917

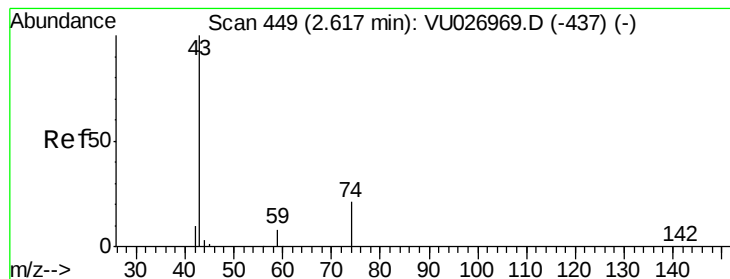
Tot Ion: 41 Resp: 3739
Ion Ratio Lower Upper
41 100
39 86.5 55.7 83.5#
76 0.0 26.5 39.7#



#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

Tgt Ion: 43 Resp: 3867
Ion Ratio Lower Upper
43 100
58 33.8 24.6 36.8





#18

Methvl Acetate

Concen: 4.007 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

Instrument :

MSVOA_U

ClientSampleId :

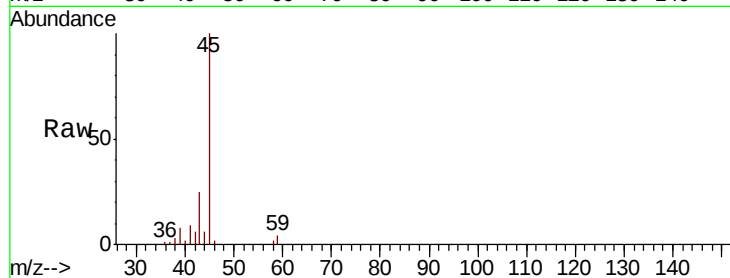
BPSI-TT-MW304D-20180917

Tot Ion: 43 Resp: 10312

Ion Ratio Lower Upper

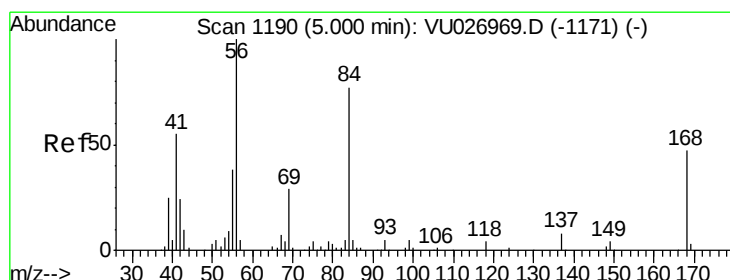
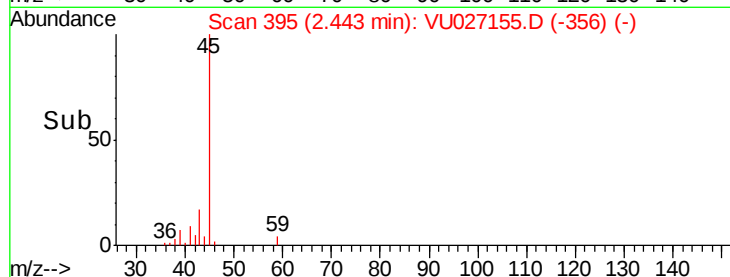
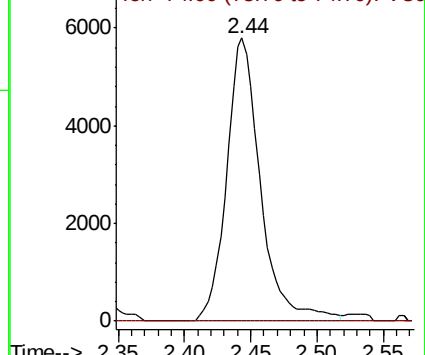
43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#31

Cyclohexane

Concen: 0.350 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

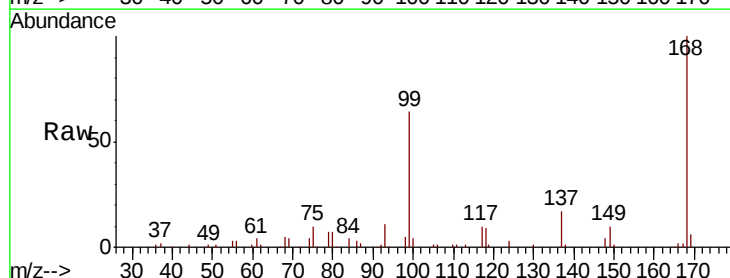
Tgt Ion: 56 Resp: 2483

Ion Ratio Lower Upper

56 100

69 143.3 23.0 34.4#

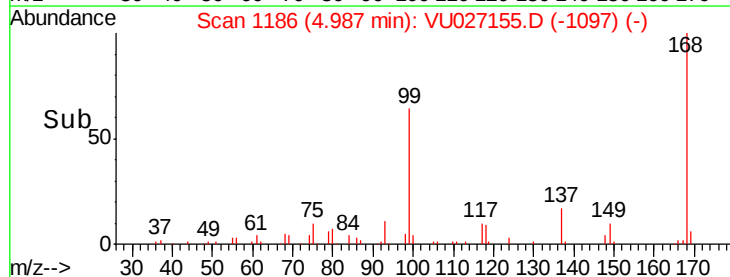
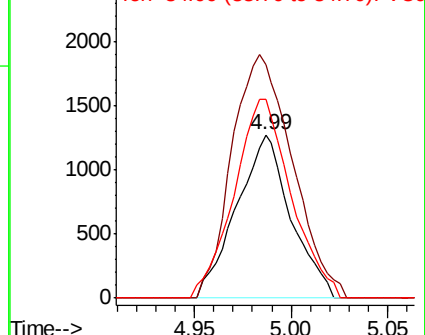
84 122.2 61.4 92.2#

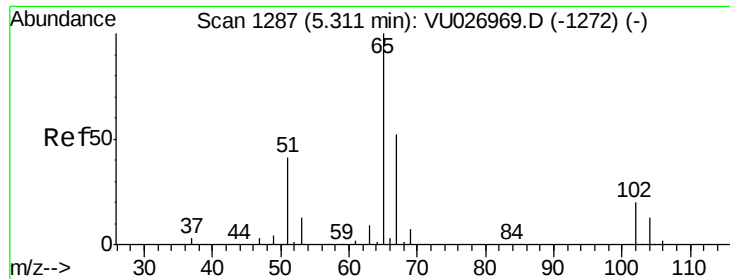


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

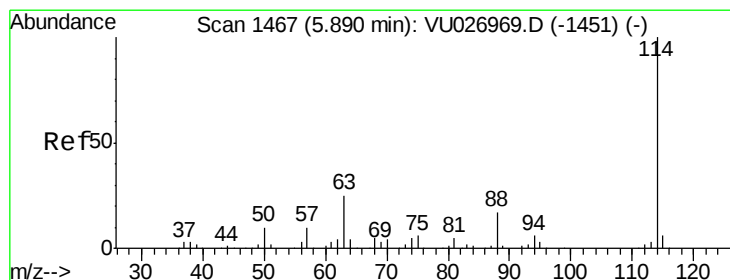
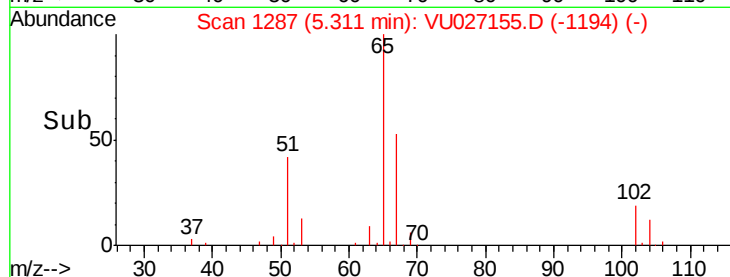
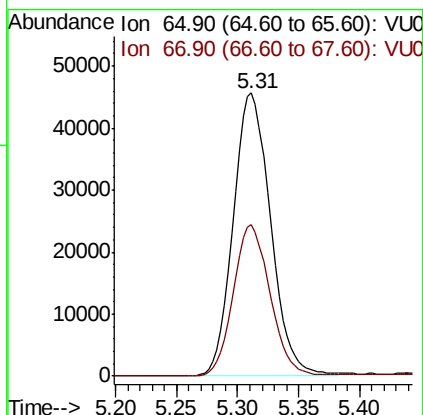
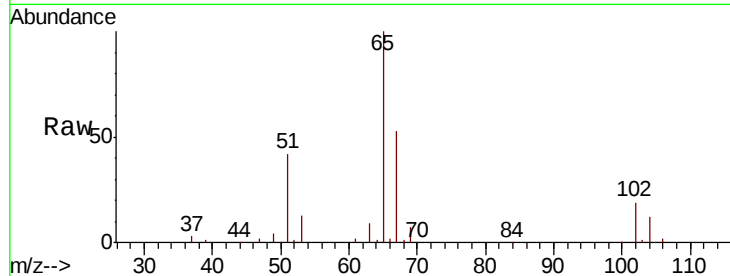




#33
 1,2-Dichloroethane-d4
 Concen: 53.759 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027155.D
 Acq: 26 Sep 2018 02:52

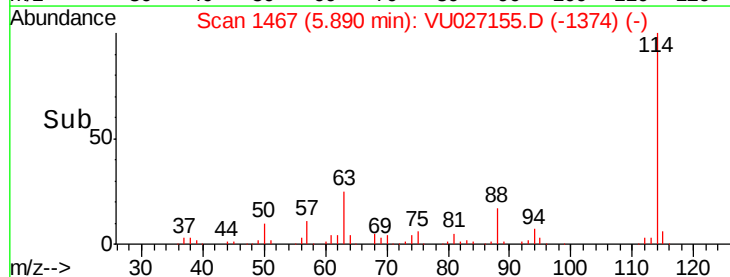
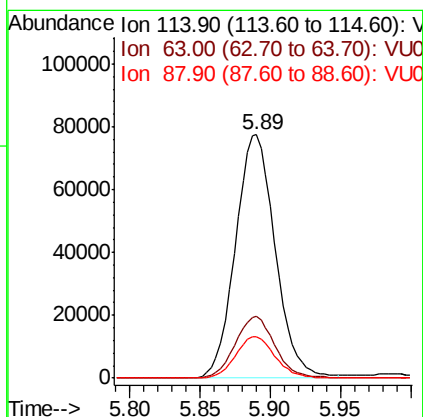
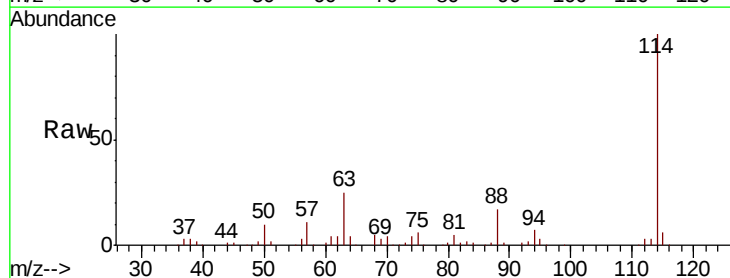
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304D-20180917

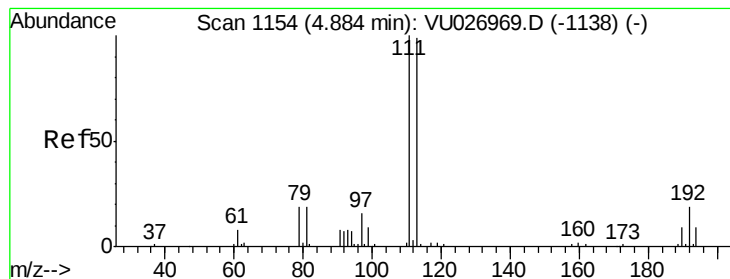
Tot Ion: 65 Resp: 97200
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027155.D
 Acq: 26 Sep 2018 02:52

Tgt Ion: 114 Resp: 153219
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.531 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW304D-20180917

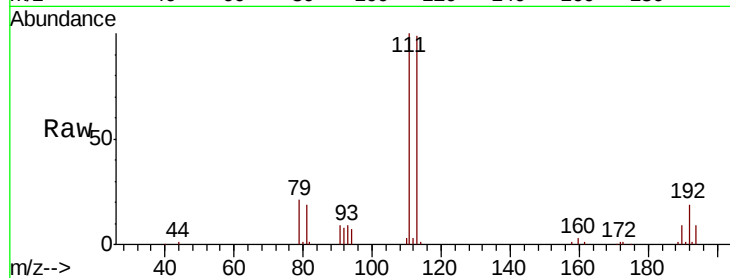
Tot Ion:113 Resp: 67111

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

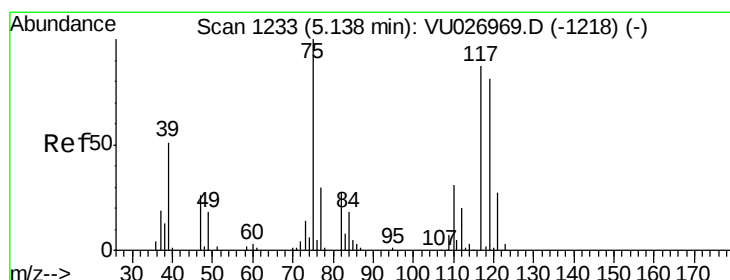
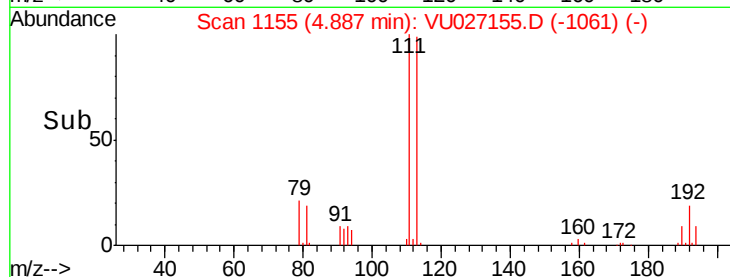
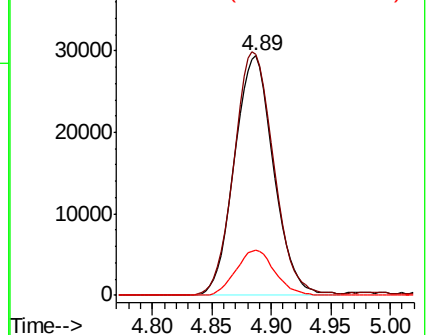
192 18.5 15.2 22.8



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: 4.200 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

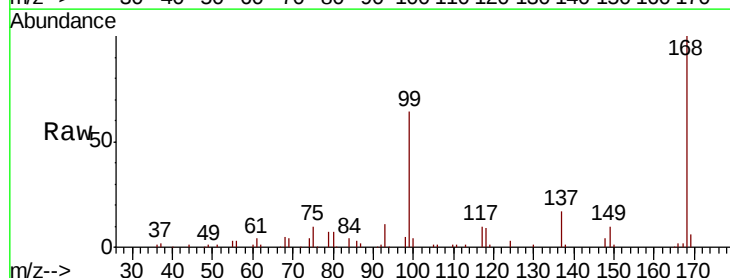
Tgt Ion: 75 Resp: 8588

Ion Ratio Lower Upper

75 100

110 6.8 16.1 48.2#

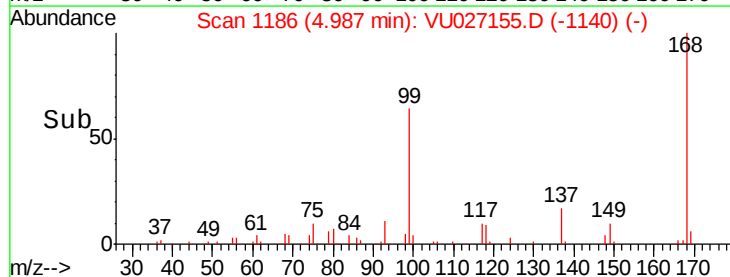
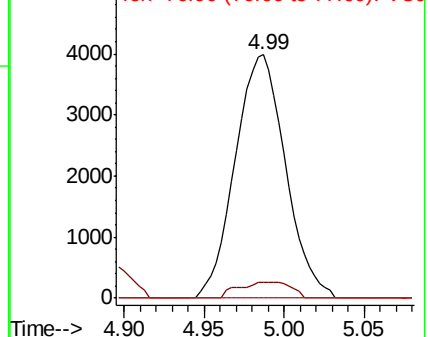
77 0.0 24.6 36.8#

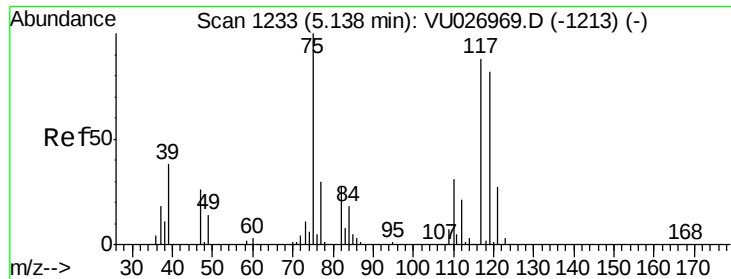


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

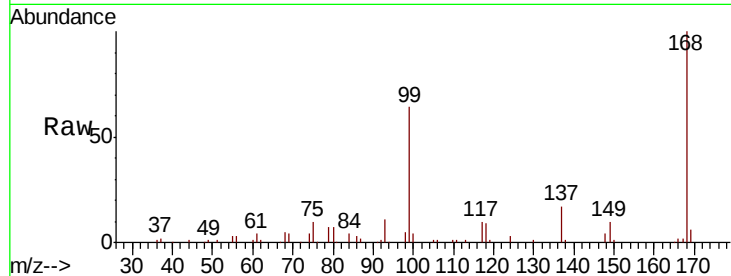




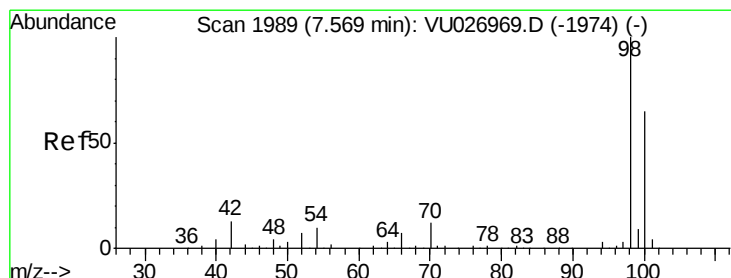
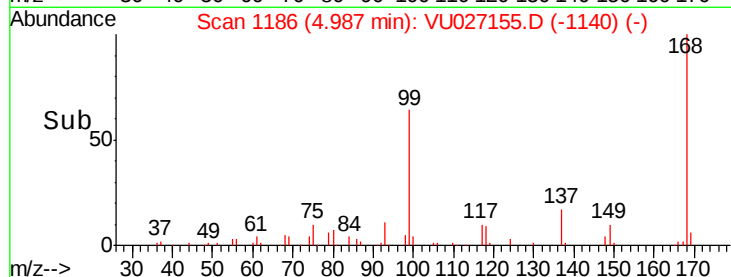
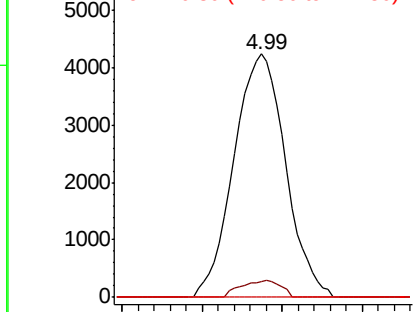
#38
Carbon Tetrachloride
Concen: 4.811 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW304D-20180917

Tot Ion:117 Resp: 9363
Ion Ratio Lower Upper
117 100
119 6.6 74.4 111.6#
121 0.0 24.2 36.4#

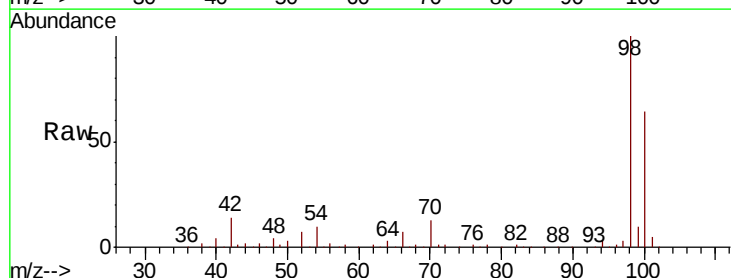


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

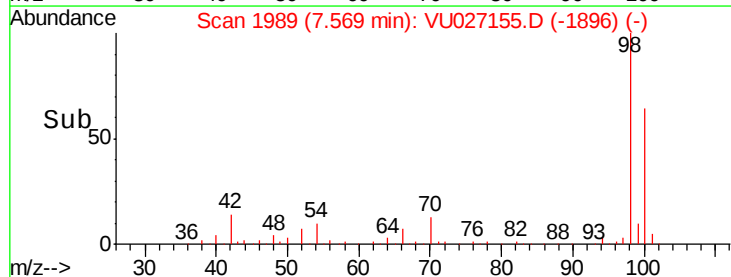
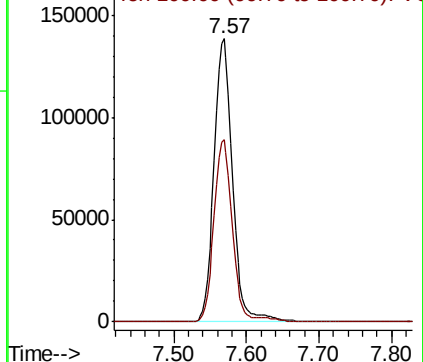


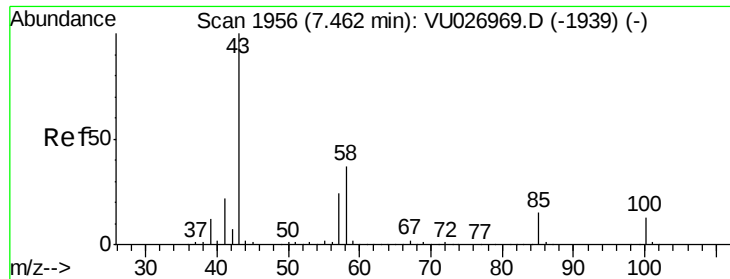
#50
Toluene-d8
Concen: 48.680 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

Tgt Ion: 98 Resp: 246392
Ion Ratio Lower Upper
98 100
100 62.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.417 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

Instrument :

MSVOA_U

ClientSampleId :

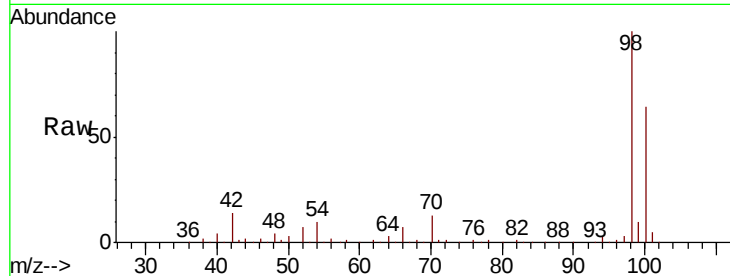
BPSI-TT-MW304D-20180917

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

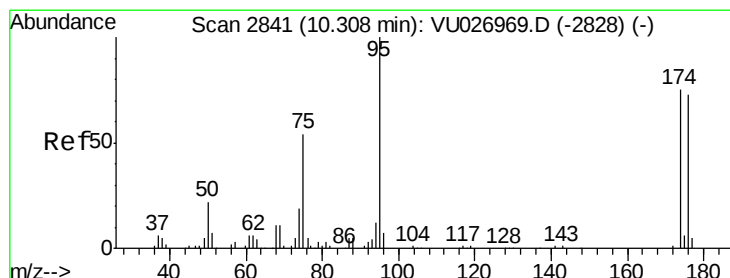
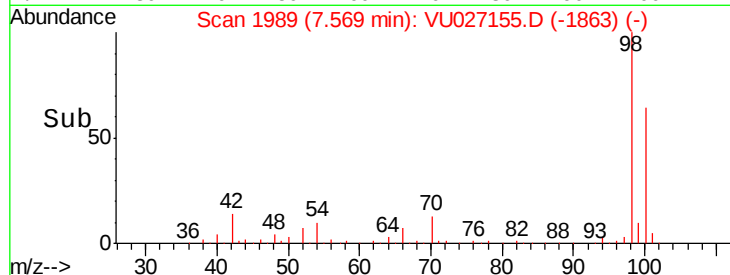
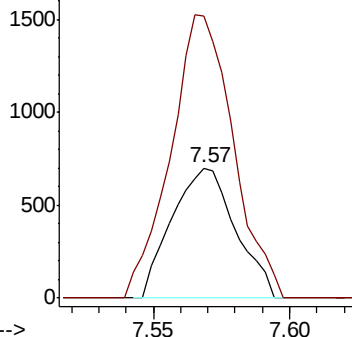
43 100

58 214.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.830 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

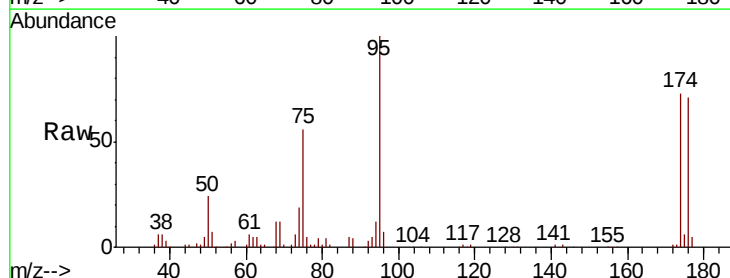
Tgt Ion: 95 Resp: 77859

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.2

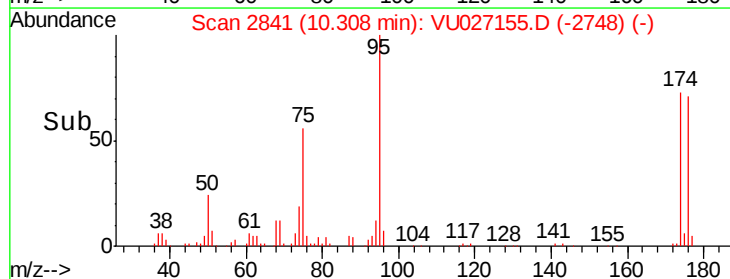
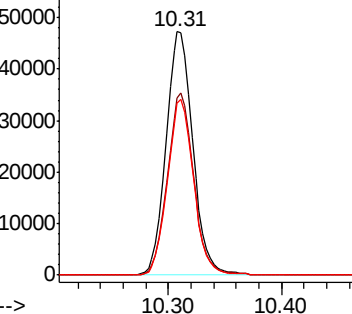
176 70.7 0.0 145.2

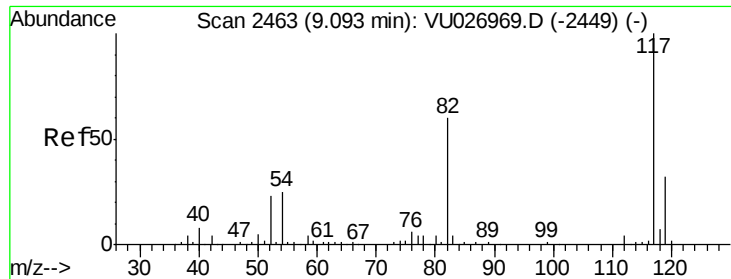


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

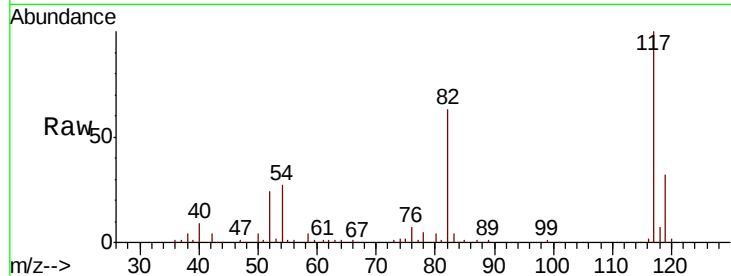




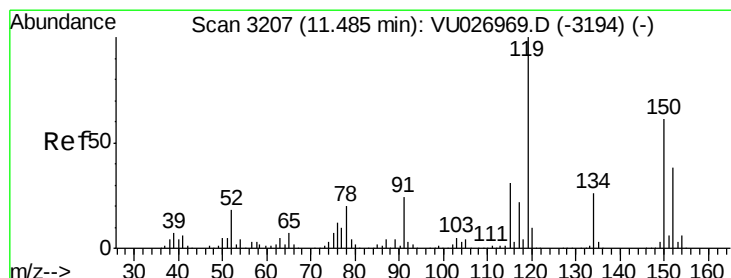
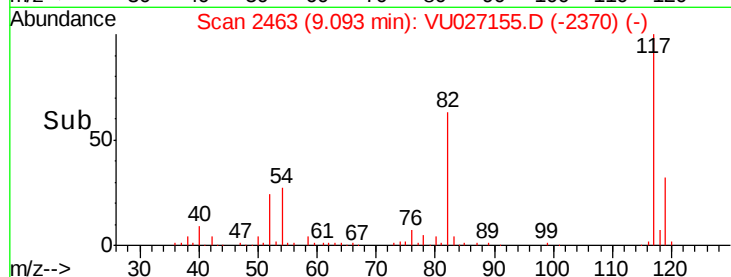
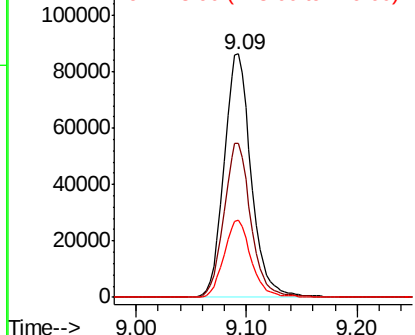
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW304D-20180917

Tot Ion:117 Resp: 147215
Ion Ratio Lower Upper
117 100
82 63.0 48.0 72.0
119 31.6 25.8 38.8

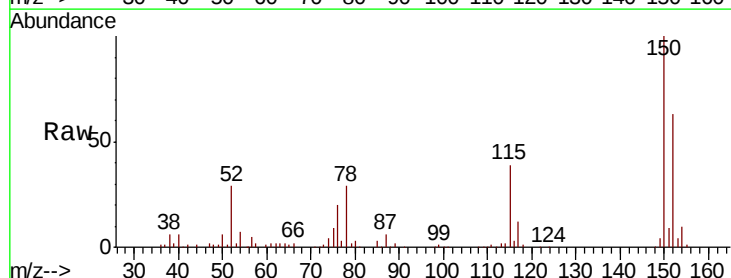


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

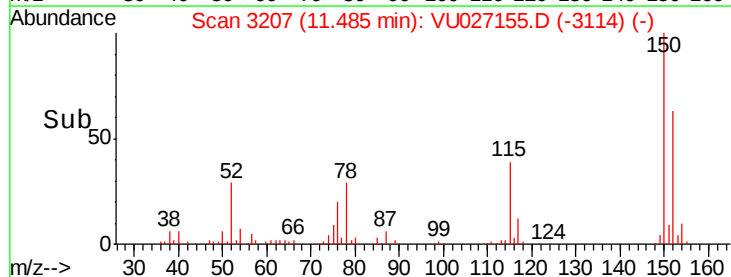
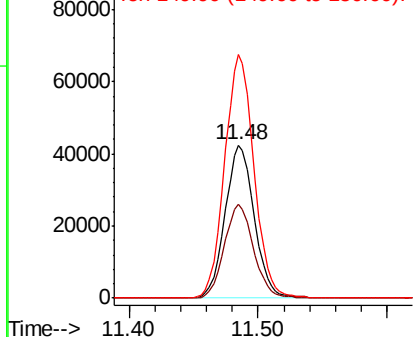


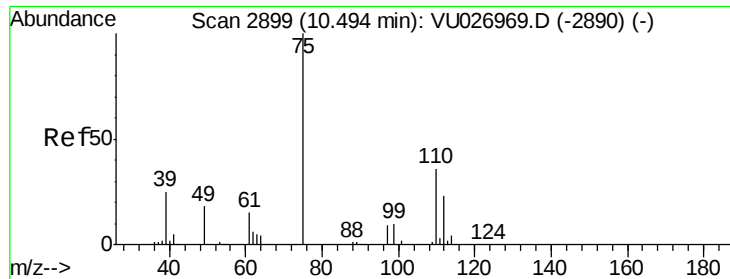
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027155.D
Acq: 26 Sep 2018 02:52

Tgt Ion:152 Resp: 66467
Ion Ratio Lower Upper
152 100
115 61.6 44.9 134.5
150 160.0 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





#76

1,2,3-Trichloropropane

Concen: 21.439 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

Instrument :

MSVOA_U

ClientSampleId :

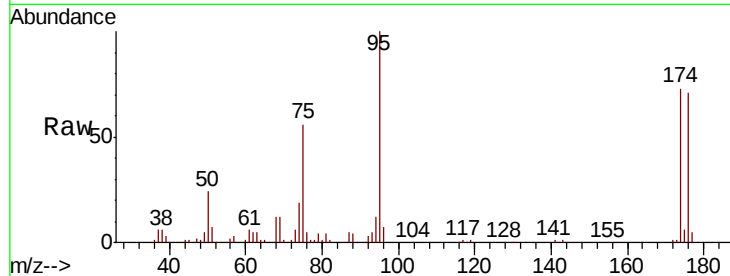
BPSI-TT-MW304D-20180917

Tot Ion: 75 Resp: 43290

Ion Ratio Lower Upper

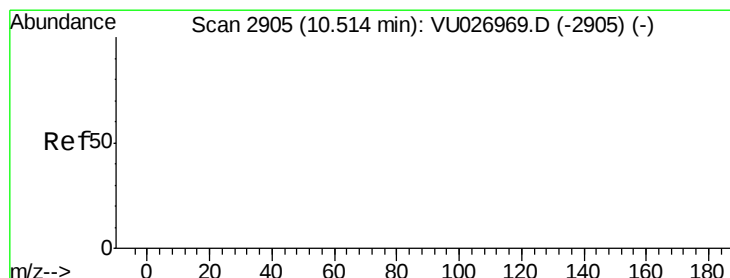
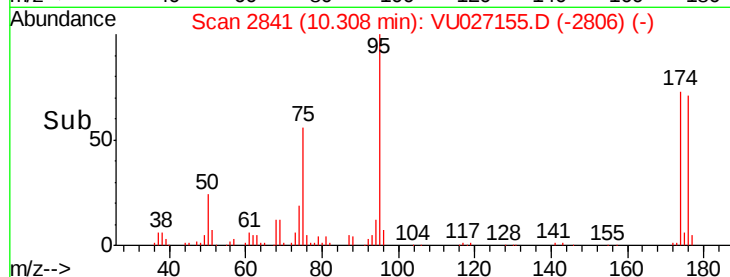
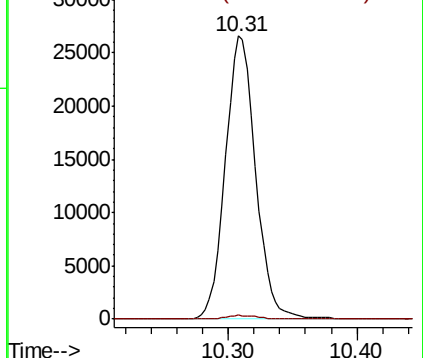
75 100

77 1.2 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: 68.607 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027155.D

Acq: 26 Sep 2018 02:52

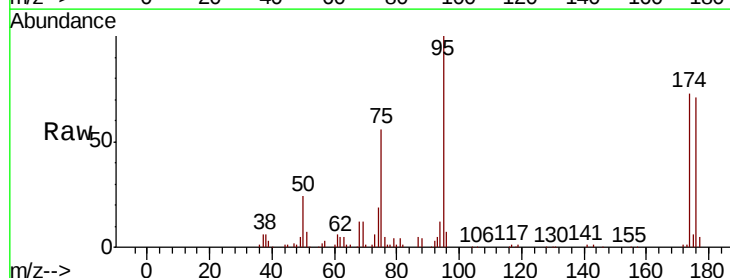
Tgt Ion: 75 Resp: 43290

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

