

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004804.D
 Acq On : 28 Sep 2018 05:31
 Operator : JC/MD
 Sample : J5033-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW301I-20180918

Quant Time: Sep 28 08:24:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

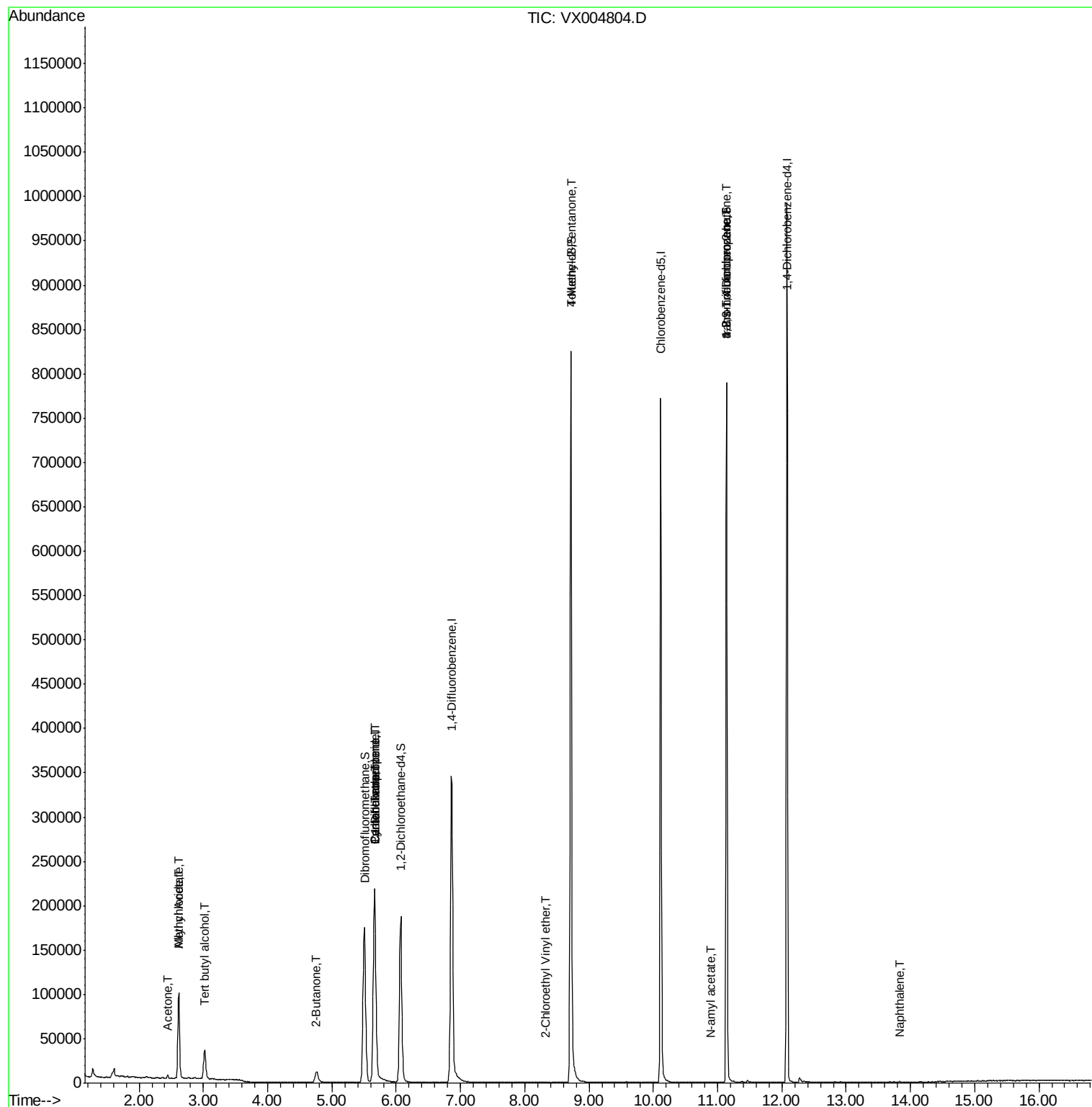
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180525	56.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.20%	
35) Dibromofluoromethane	5.50	113	149057	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
50) Toluene-d8	8.72	98	539180	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.14	95	190952	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.62	64	4243	Below Cal	#	61
11) Tert butyl alcohol	3.03	59	21188	23.549	ug/l #	77
14) Allyl chloride	2.62	41	9926	1.864	ug/l #	60
16) Acetone	2.45	43	3401	1.810	ug/l	96
18) Methyl Acetate	2.62	43	25504	5.358	ug/l #	51
20) Methylene Chloride	2.87	84	405	Below Cal	#	80
25) 2-Butanone	4.76	43	1113	0.402	ug/l #	47
31) Cyclohexane	5.67	56	4297	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16149	3.788	ug/l #	46
38) Carbon Tetrachloride	5.67	117	20212	4.510	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	2437	0.474	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.33	63	22	14.250	ug/l #	45
74) N-amyl acetate	10.90	43	78	1.759	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	96289	21.556	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.52	105	132	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	96289	58.443	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	186	Below Cal	#	30
95) Naphthalene	13.83	128	288	0.737	ug/l #	81

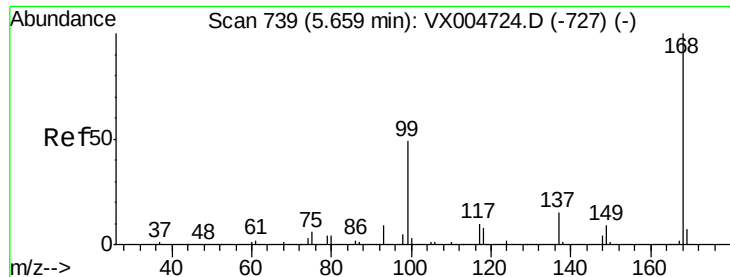
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Instrument :

MSVOA_X

ClientSampleId :

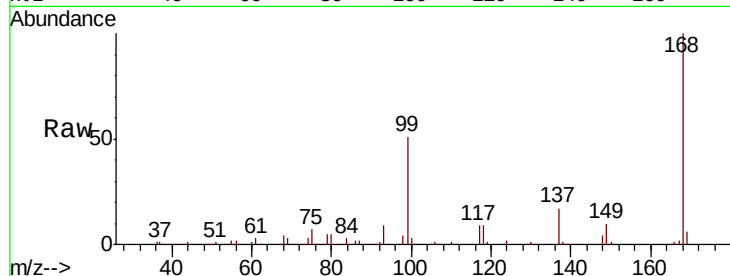
BPSI-TT-MW301I-20180918

Tot Ion:168 Resp: 225258

Ion Ratio Lower Upper

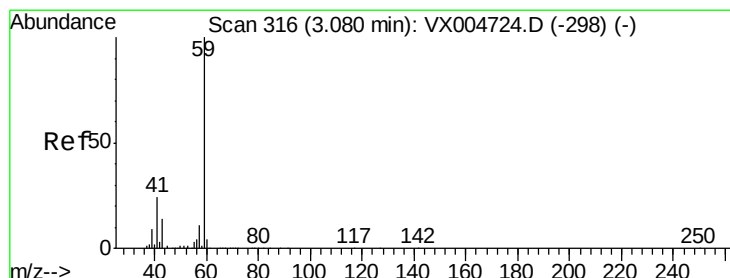
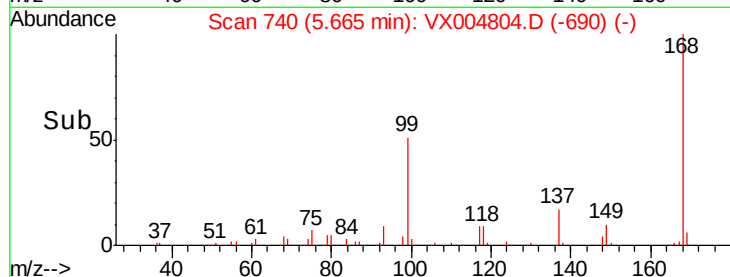
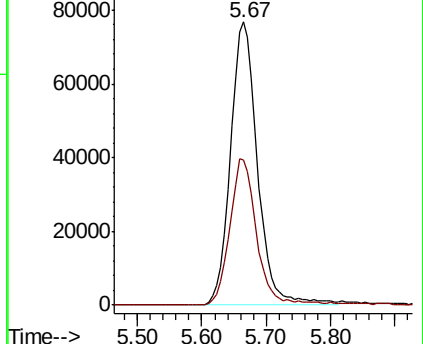
168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 23.549 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX004804.D

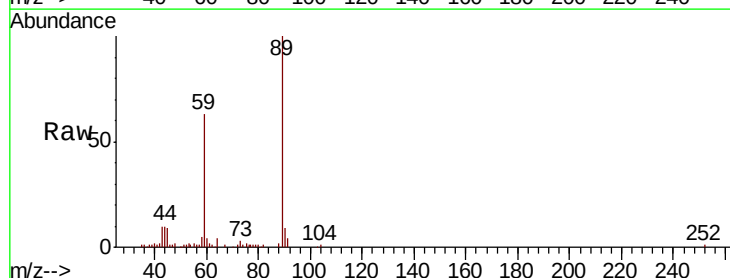
Acq: 28 Sep 2018 05:31

Tgt Ion: 59 Resp: 21188

Ion Ratio Lower Upper

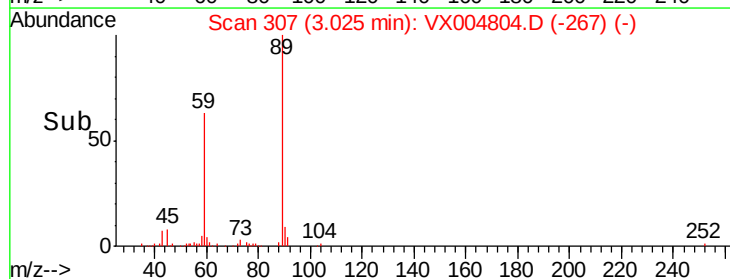
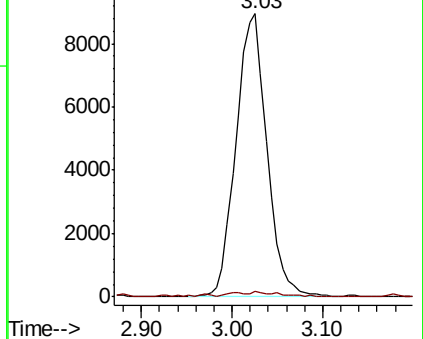
59 100

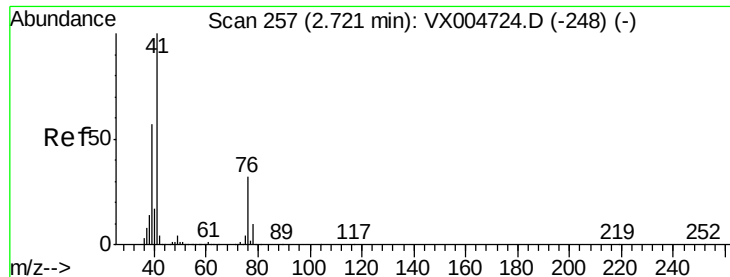
57 1.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

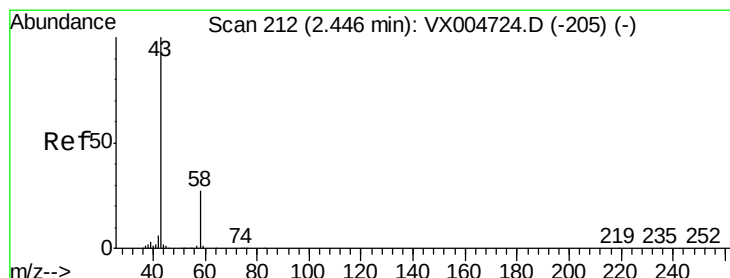
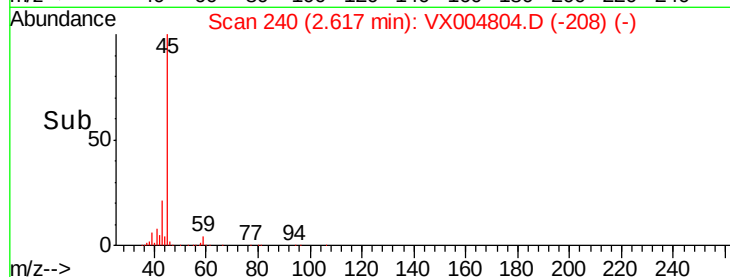
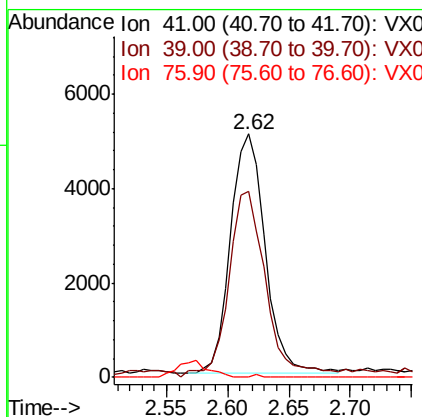
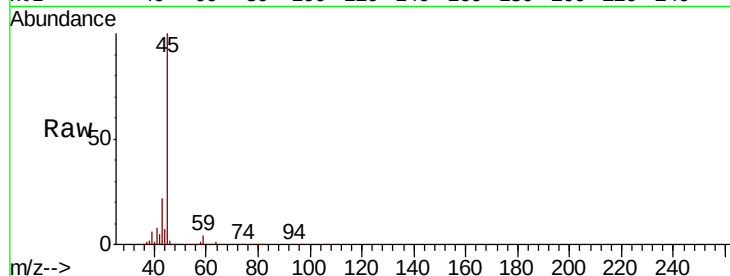




#14
Allvl chloride
Concen: 1.864 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

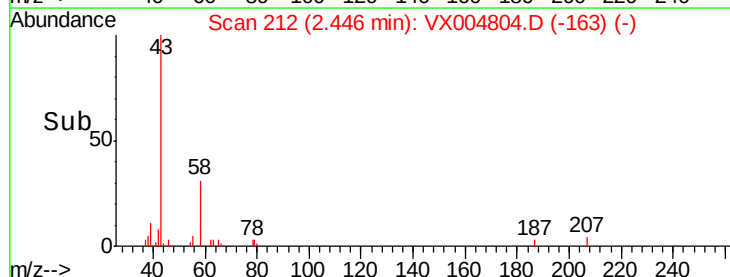
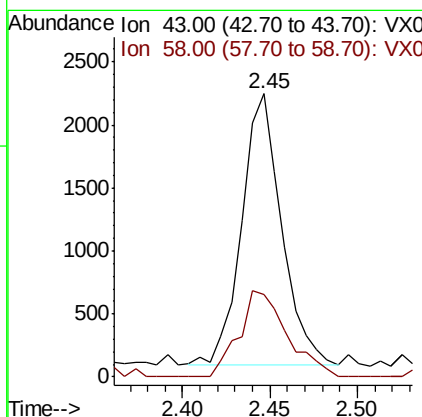
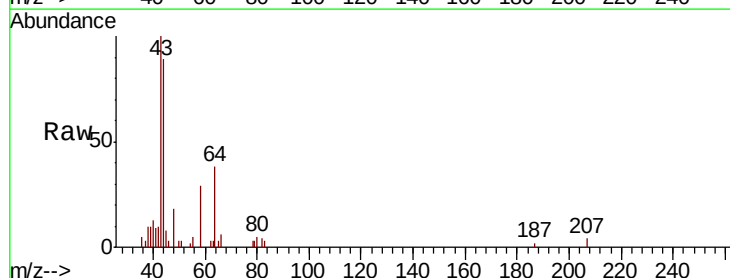
Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW301I-20180918

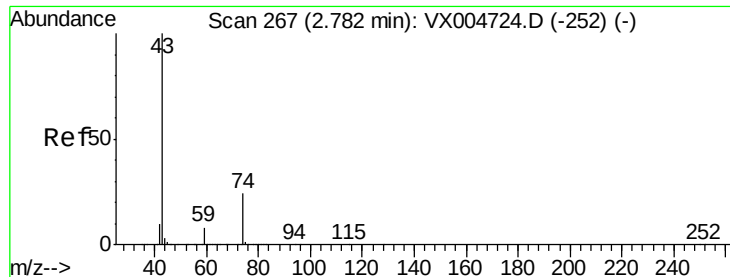
Tot Ion: 41 Resp: 9926
Ion Ratio Lower Upper
41 100
39 83.7 48.9 73.3#
76 0.2 26.7 40.1#



#16
Acetone
Concen: 1.810 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
58 30.5 26.2 39.4

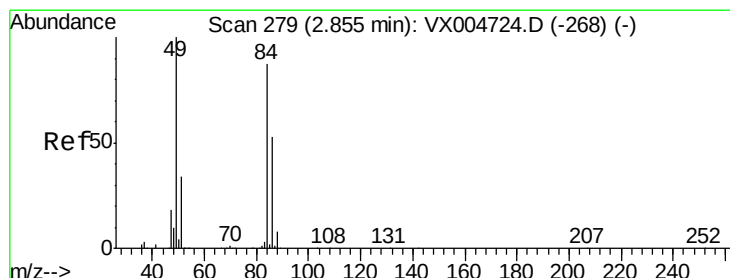
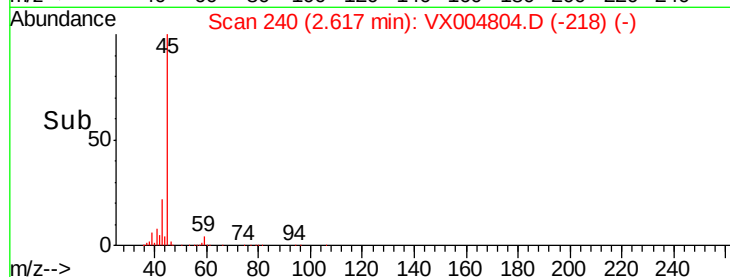
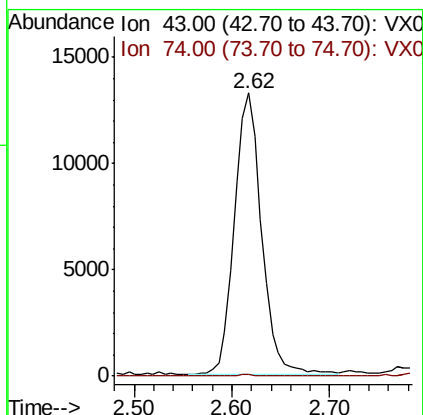
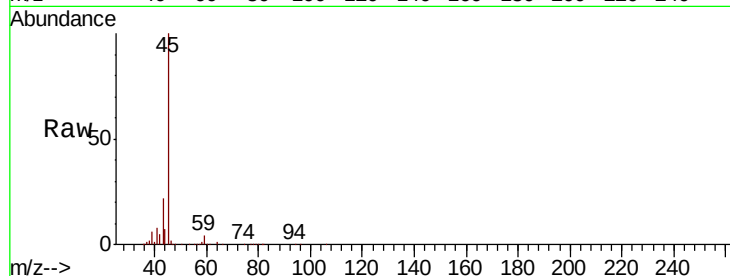




#18
Methvl Acetate
Concen: 5.358 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.16 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

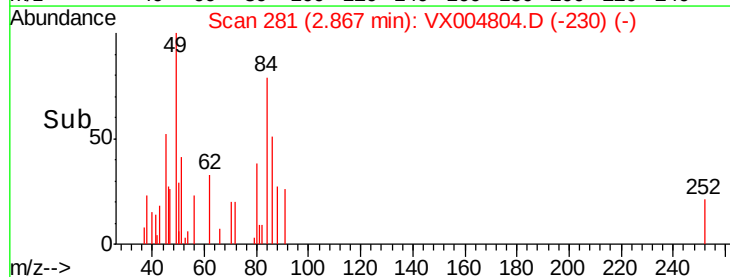
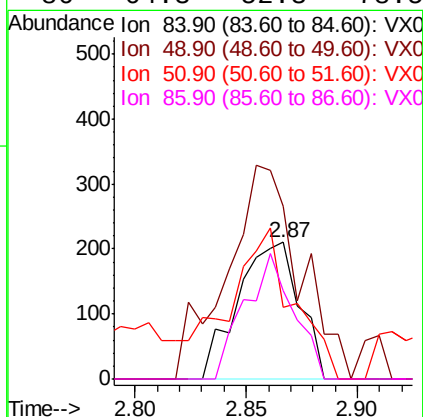
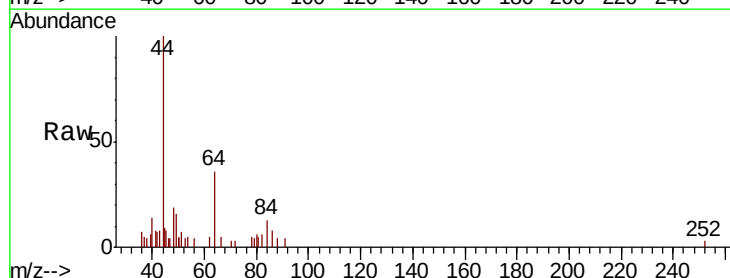
Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW301I-20180918

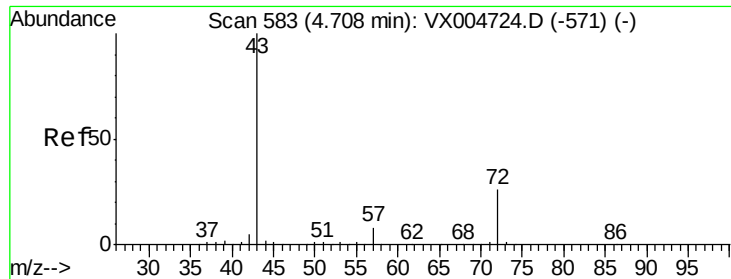
Tot Ion: 43 Resp: 25504
Ion Ratio Lower Upper
43 100
74 0.2 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

Tgt Ion: 84 Resp: 405
Ion Ratio Lower Upper
84 100
49 93.8 101.2 151.8#
51 52.4 29.5 44.3#
86 64.3 52.3 78.5





#25

2-Butanone

Concen: 0.402 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.05 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Instrument :

MSVOA_X

ClientSampleId :

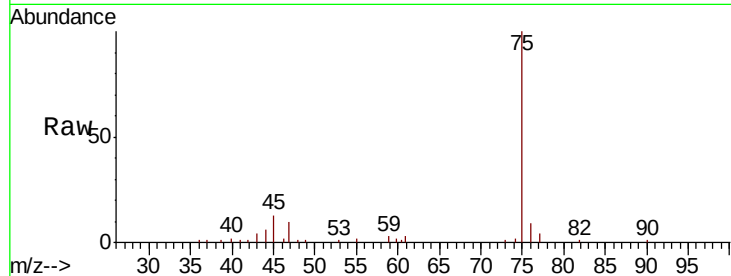
BPSI-TT-MW301I-20180918

Tot Ion: 43 Resp: 1113

Ion Ratio Lower Upper

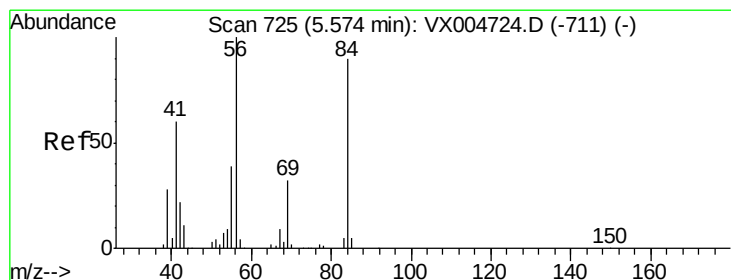
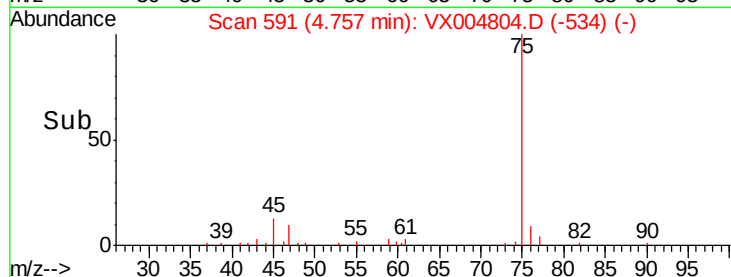
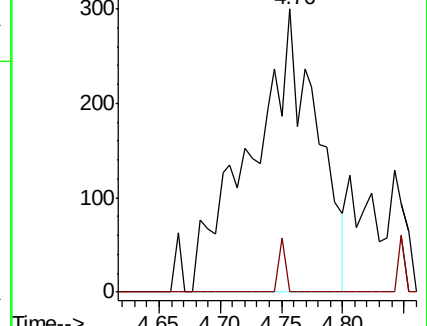
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.050 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

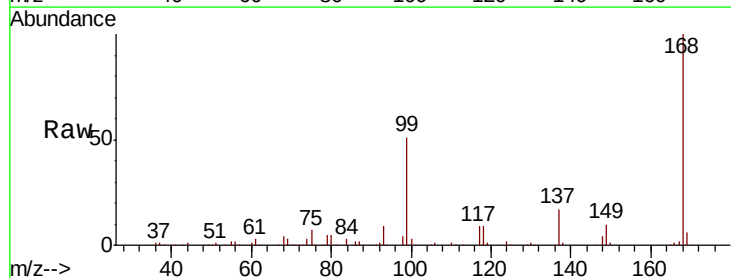
Tgt Ion: 56 Resp: 4297

Ion Ratio Lower Upper

56 100

69 172.7 25.4 38.2#

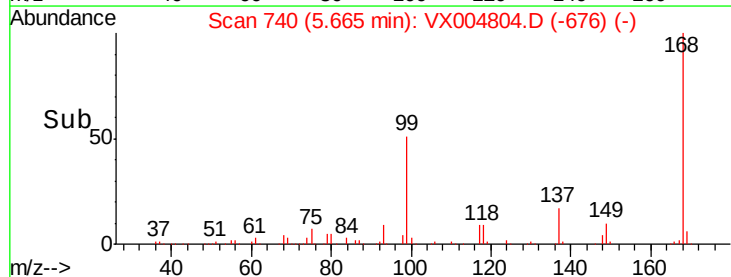
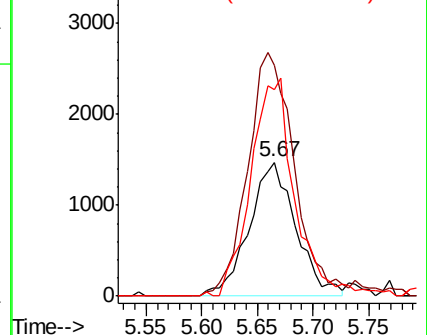
84 154.8 71.4 107.2#

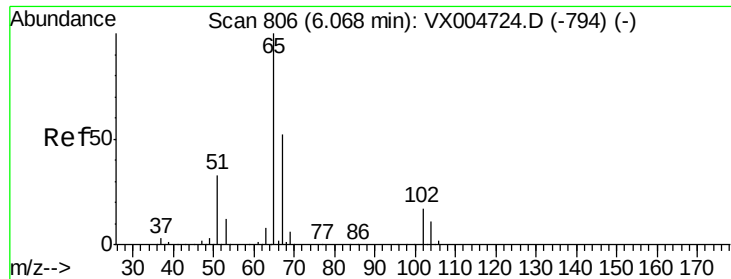


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

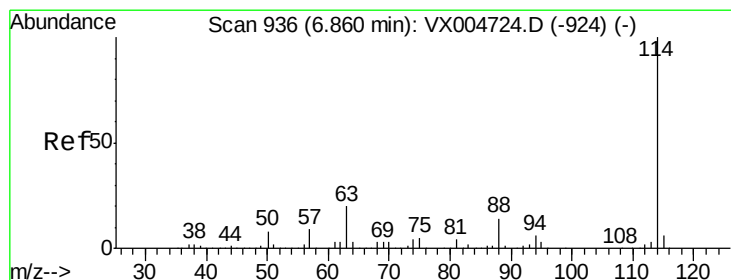
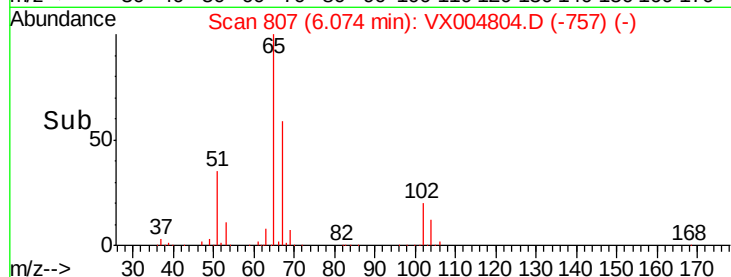
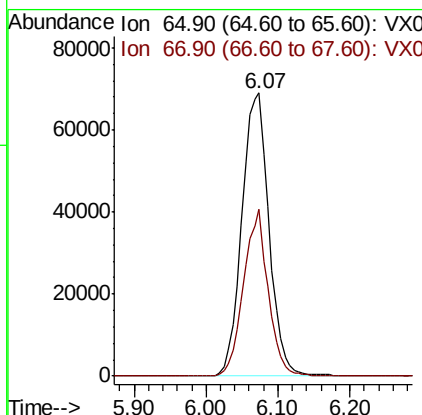
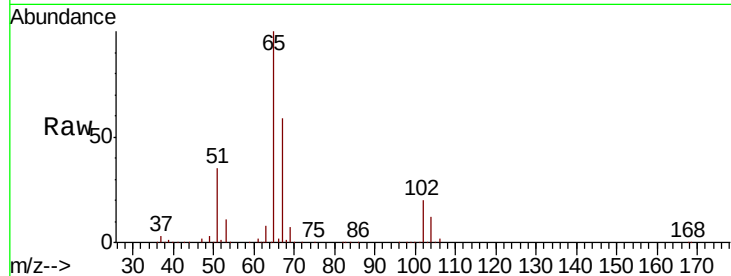




#33
 1,2-Dichloroethane-d4
 Concen: 56.102 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

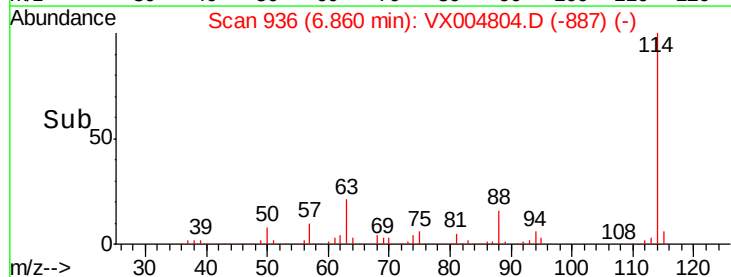
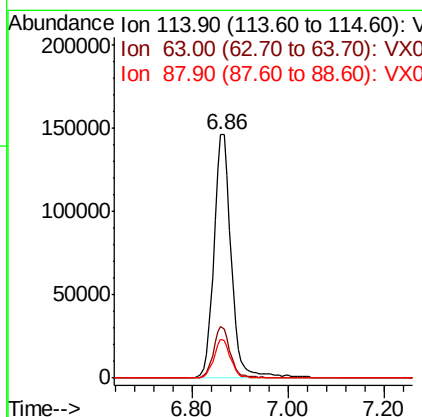
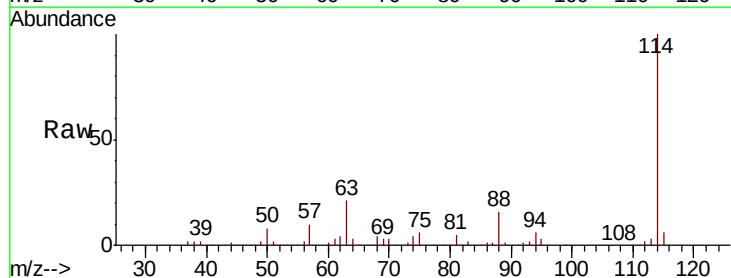
Instrument :
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 BPSI-TT-MW301I-20180918

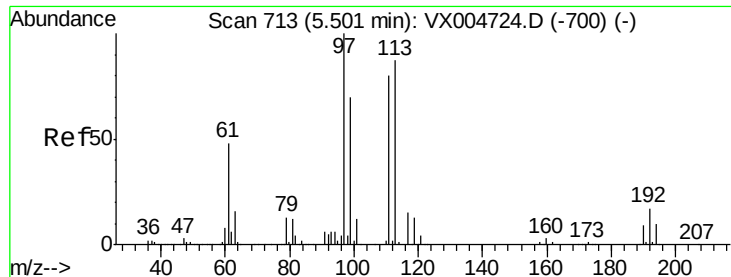
Tot Ion: 65 Resp: 180525
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

Tgt Ion: 114 Resp: 368685
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.0
 88 15.7 0.0 30.4

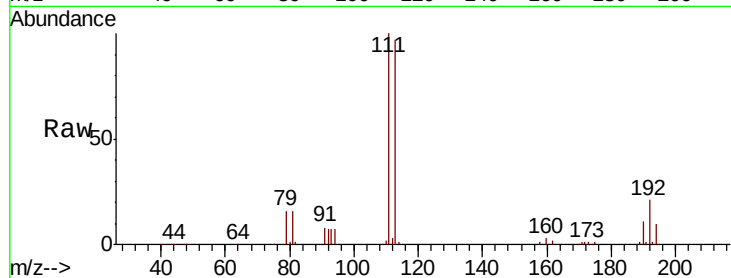




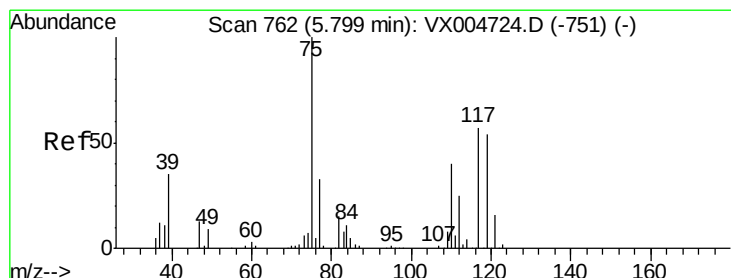
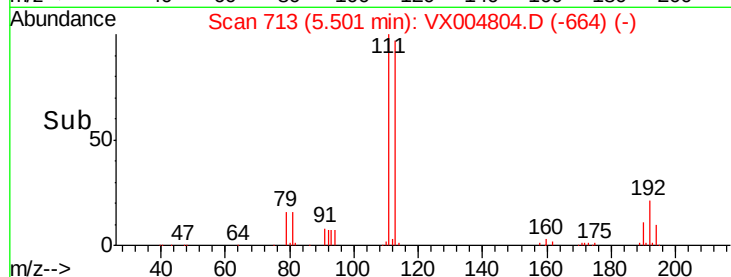
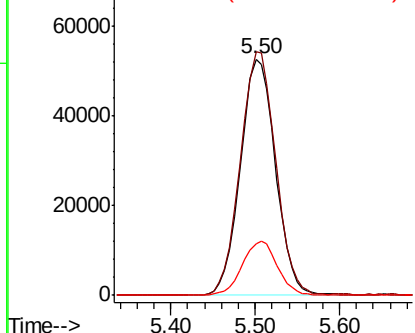
#35
 Dibromofluoromethane
 Concen: 47.704 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW301I-20180918

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	22.9	19.4	29.2

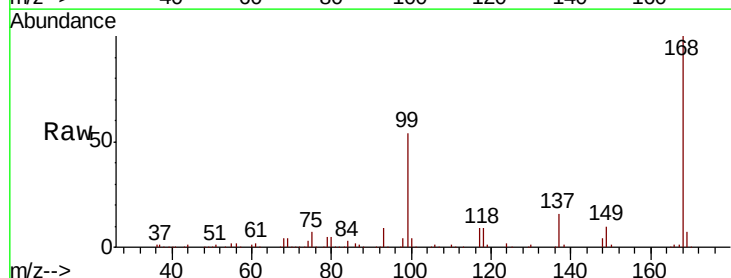


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

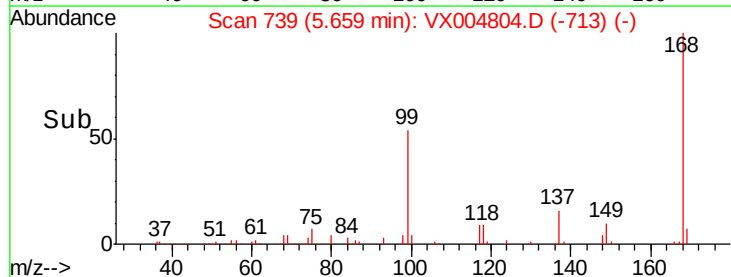
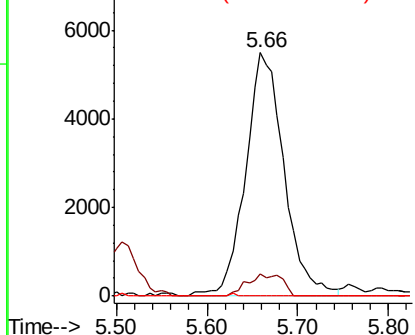


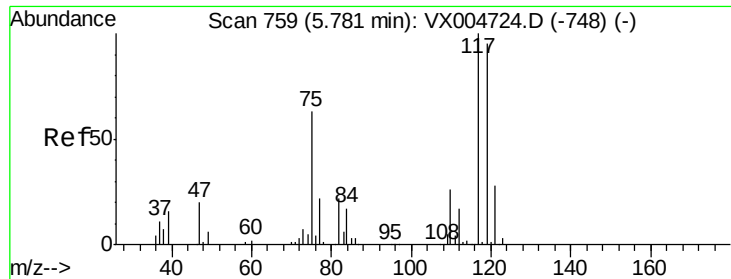
#36
 1,1-Dichloropropene
 Concen: 3.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.8	18.0	54.0#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

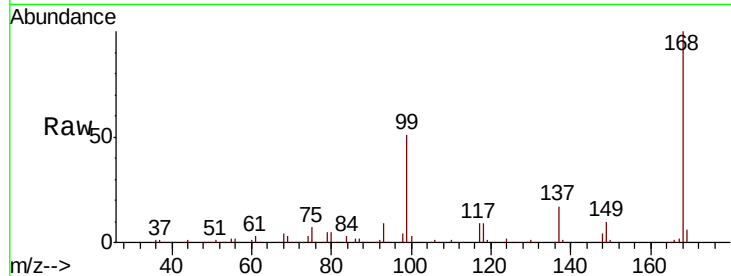




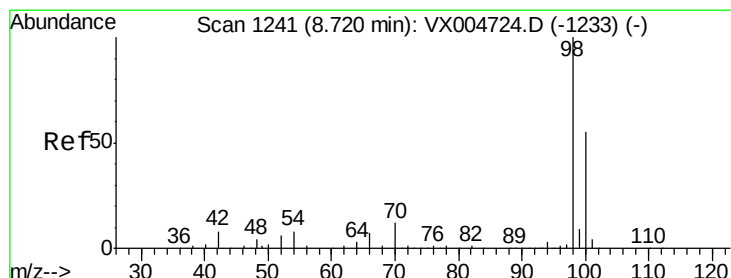
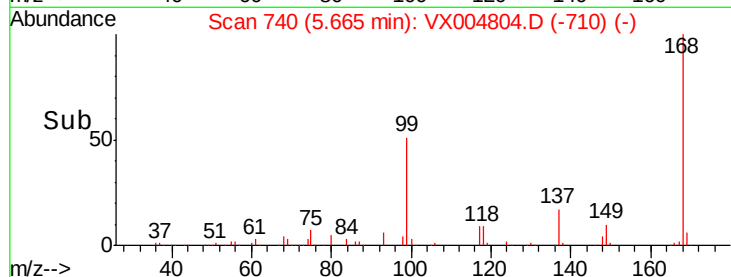
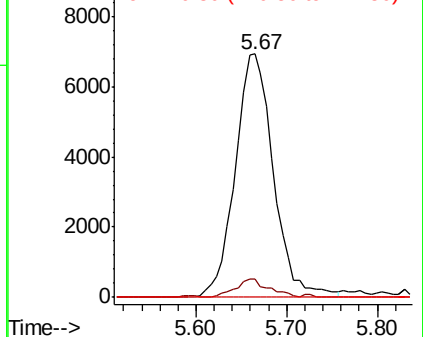
#38
Carbon Tetrachloride
Concen: 4.510 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW301I-20180918

Tot Ion:117 Resp: 20212
Ion Ratio Lower Upper
117 100
119 7.3 78.8 118.2#
121 0.0 24.9 37.3#

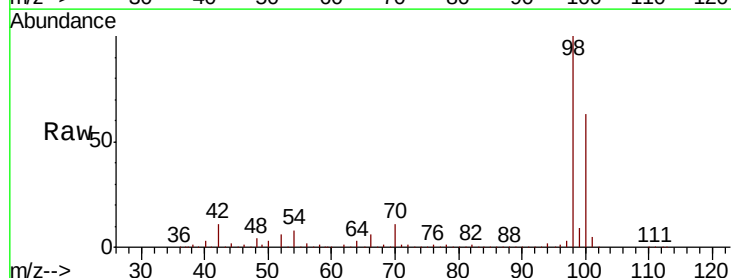


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

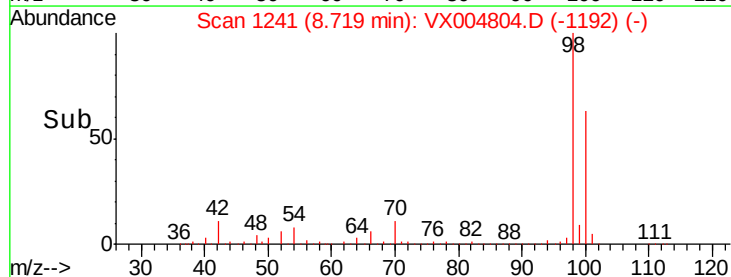
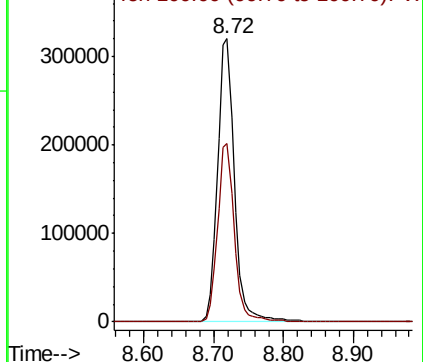


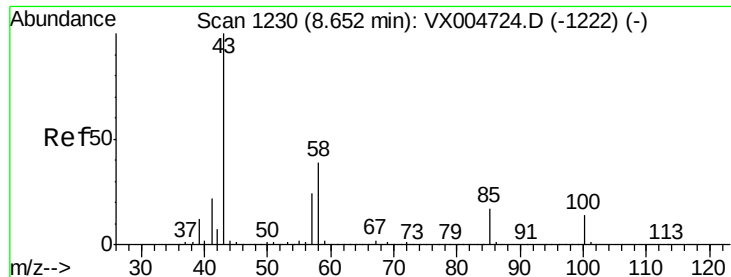
#50
Toluene-d8
Concen: 51.905 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

Tgt Ion: 98 Resp: 539180
Ion Ratio Lower Upper
98 100
100 62.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Instrument :

MSVOA_X

ClientSampleId :

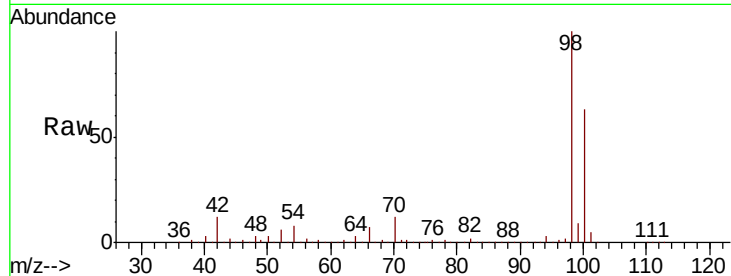
BPSI-TT-MW301I-20180918

Tot Ion: 43 Resp: 2437

Ion Ratio Lower Upper

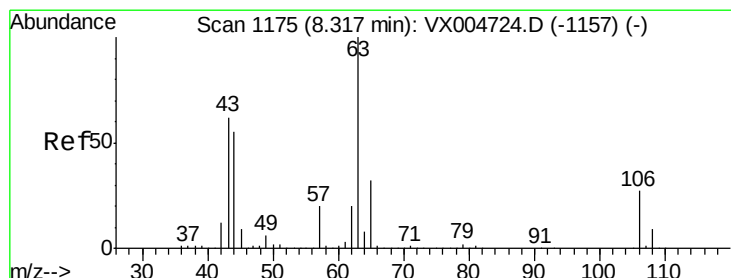
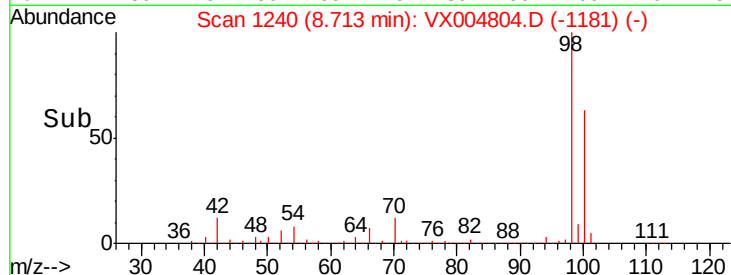
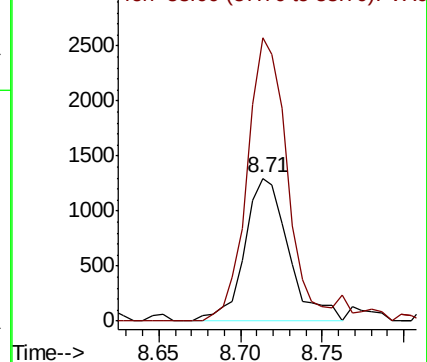
43 100

58 180.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.33 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX004804.D

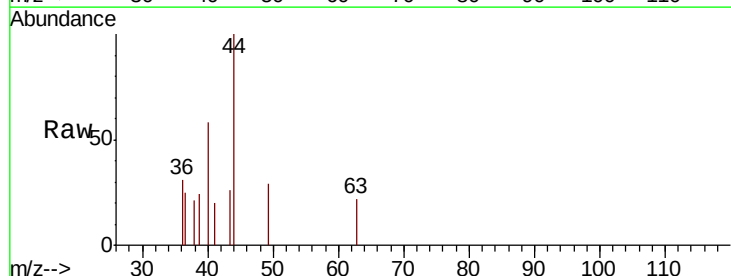
Acq: 28 Sep 2018 05:31

Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

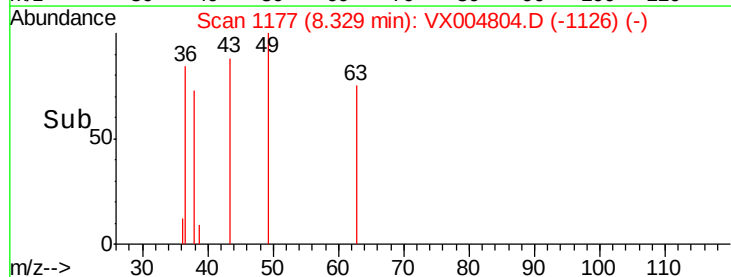
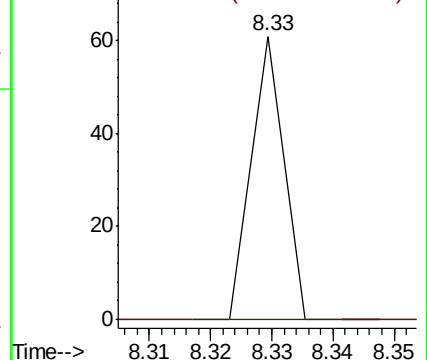
63 100

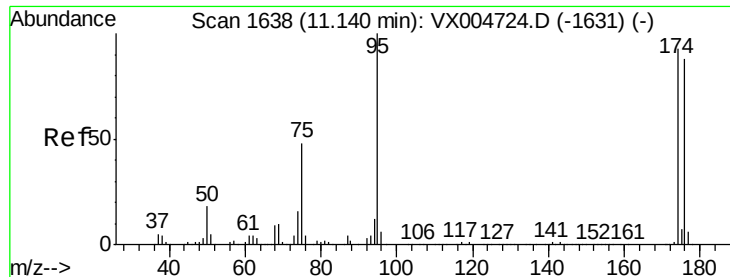
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

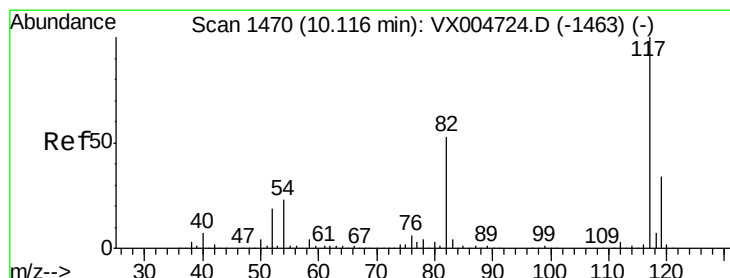
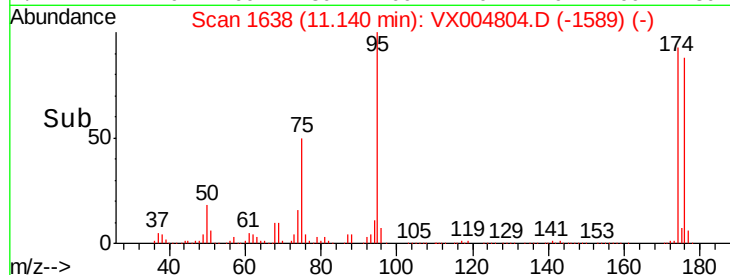
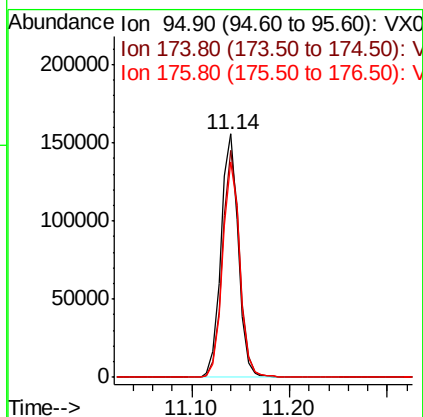
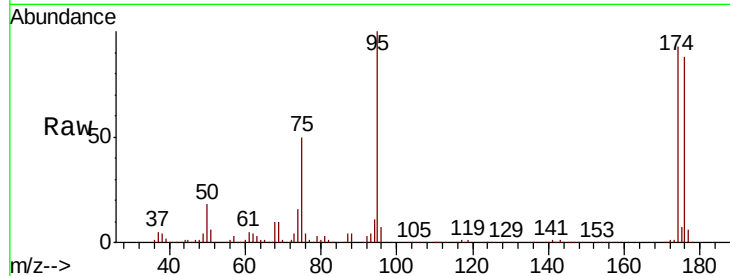




#62
 4-Bromofluorobenzene
 Concen: 51.025 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

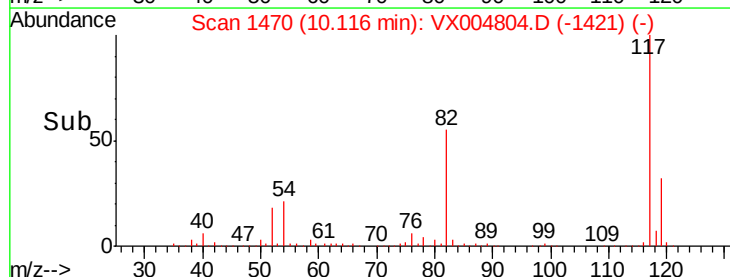
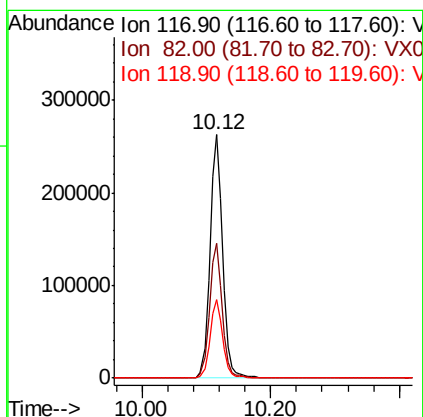
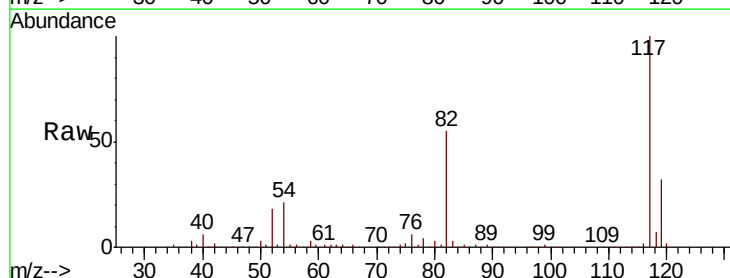
Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW301I-20180918

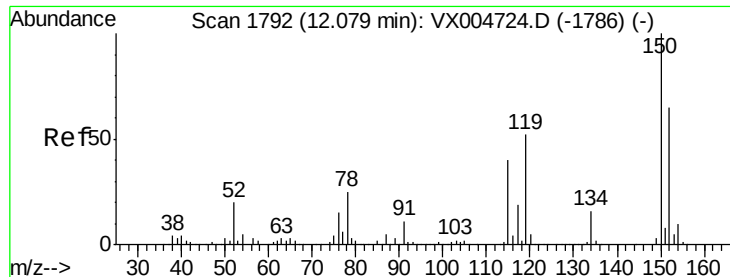
Tot Ion: 95 Resp: 190952
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 185.2
 176 88.1 0.0 178.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX004804.D
 Acq: 28 Sep 2018 05:31

Tgt Ion: 117 Resp: 360918
 Ion Ratio Lower Upper
 117 100
 82 55.1 47.8 71.6
 119 32.1 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW301I-20180918

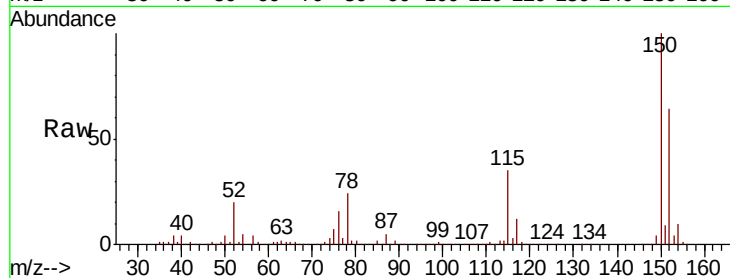
Tot Ion:152 Resp: 199292

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

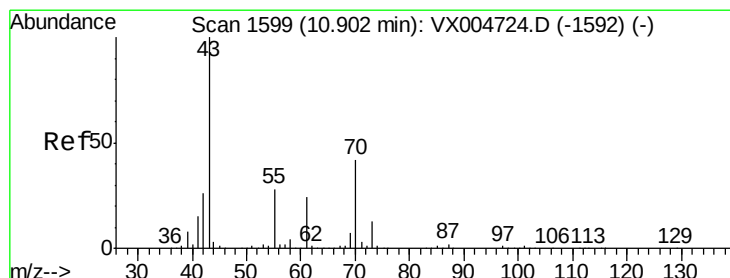
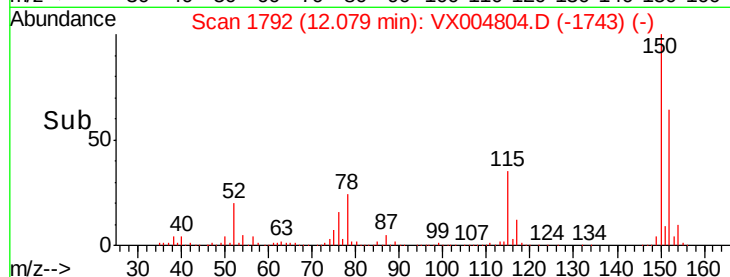
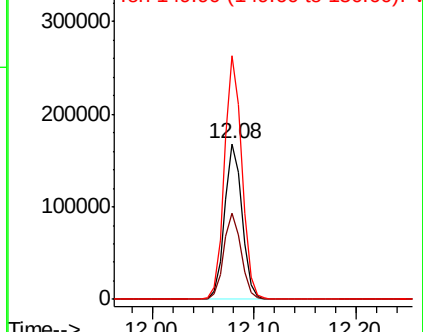
150 156.7 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.759 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Tgt Ion: 43 Resp: 78

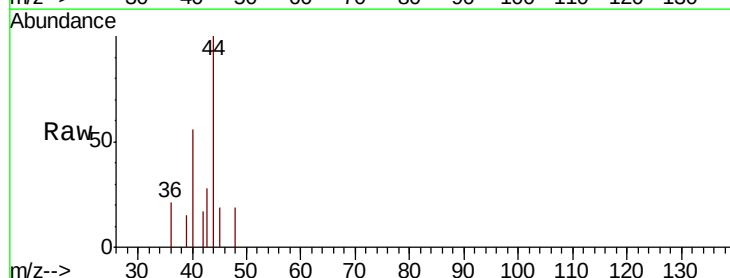
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

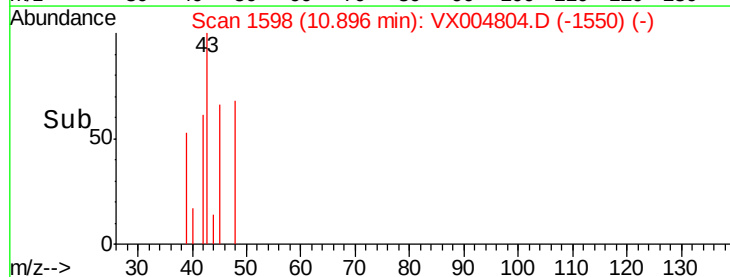
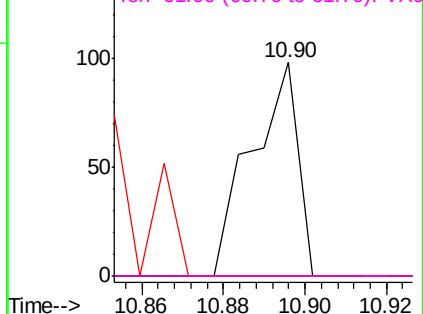


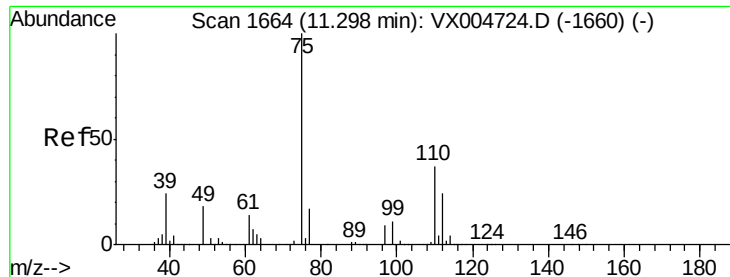
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.556 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

Instrument :

MSVOA_X

ClientSampleId :

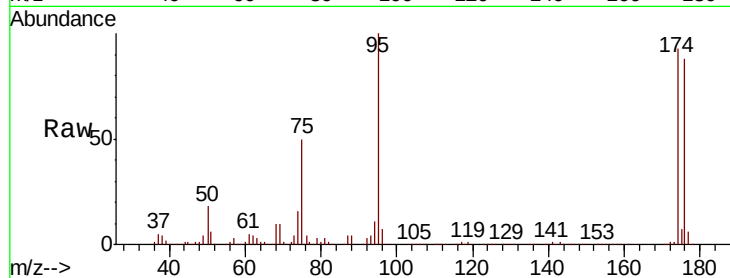
BPSI-TT-MW301I-20180918

Tot Ion: 75 Resp: 96289

Ion Ratio Lower Upper

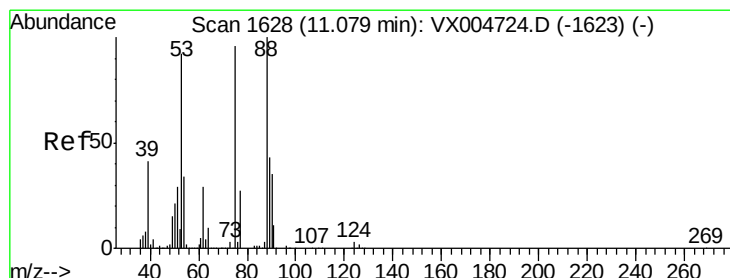
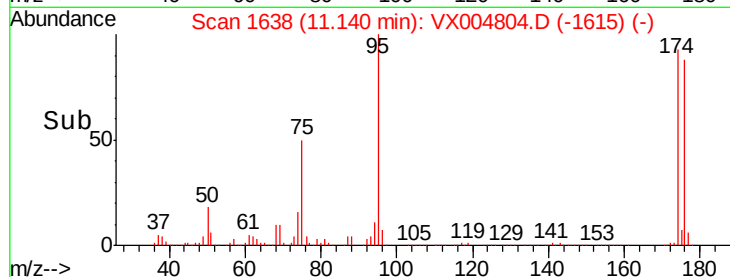
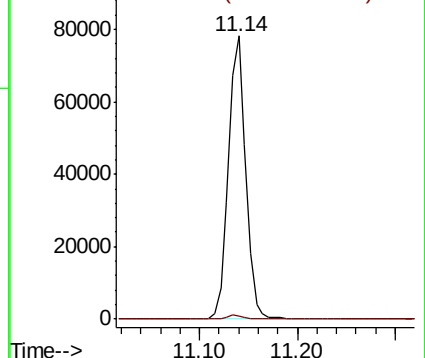
75 100

77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.443 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004804.D

Acq: 28 Sep 2018 05:31

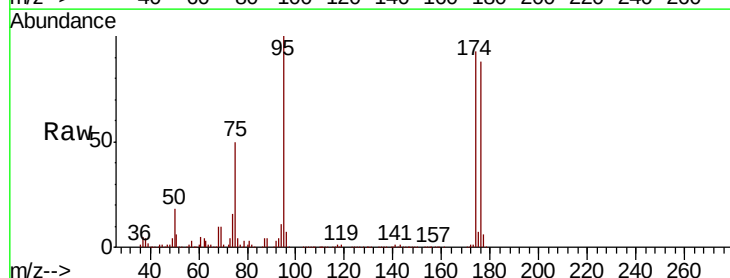
Tgt Ion: 75 Resp: 96289

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

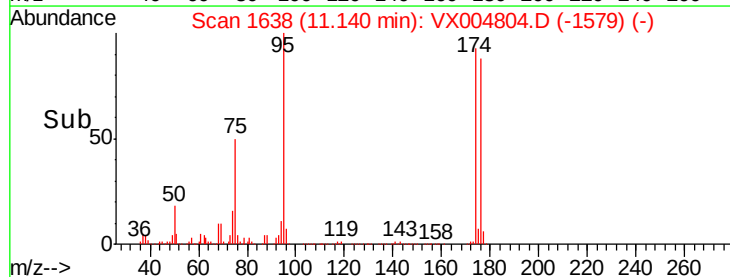
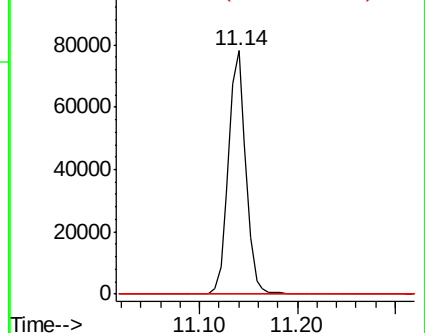
89 0.0 37.2 55.8#

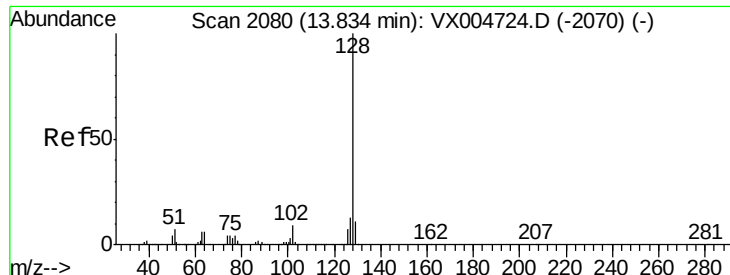


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.737 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004804.D
Acq: 28 Sep 2018 05:31

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW301I-20180918

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.2	15.2#
129	0.0	8.6	12.8#

