

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004606.D
 Acq On : 16 Sep 2018 01:46
 Operator : JC/MD
 Sample : J4913-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

Quant Time: Sep 17 08:44:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204869	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	166078	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	5.50	113	154718	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	8.72	98	497474	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
62) 4-Bromofluorobenzene	11.14	95	173501	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

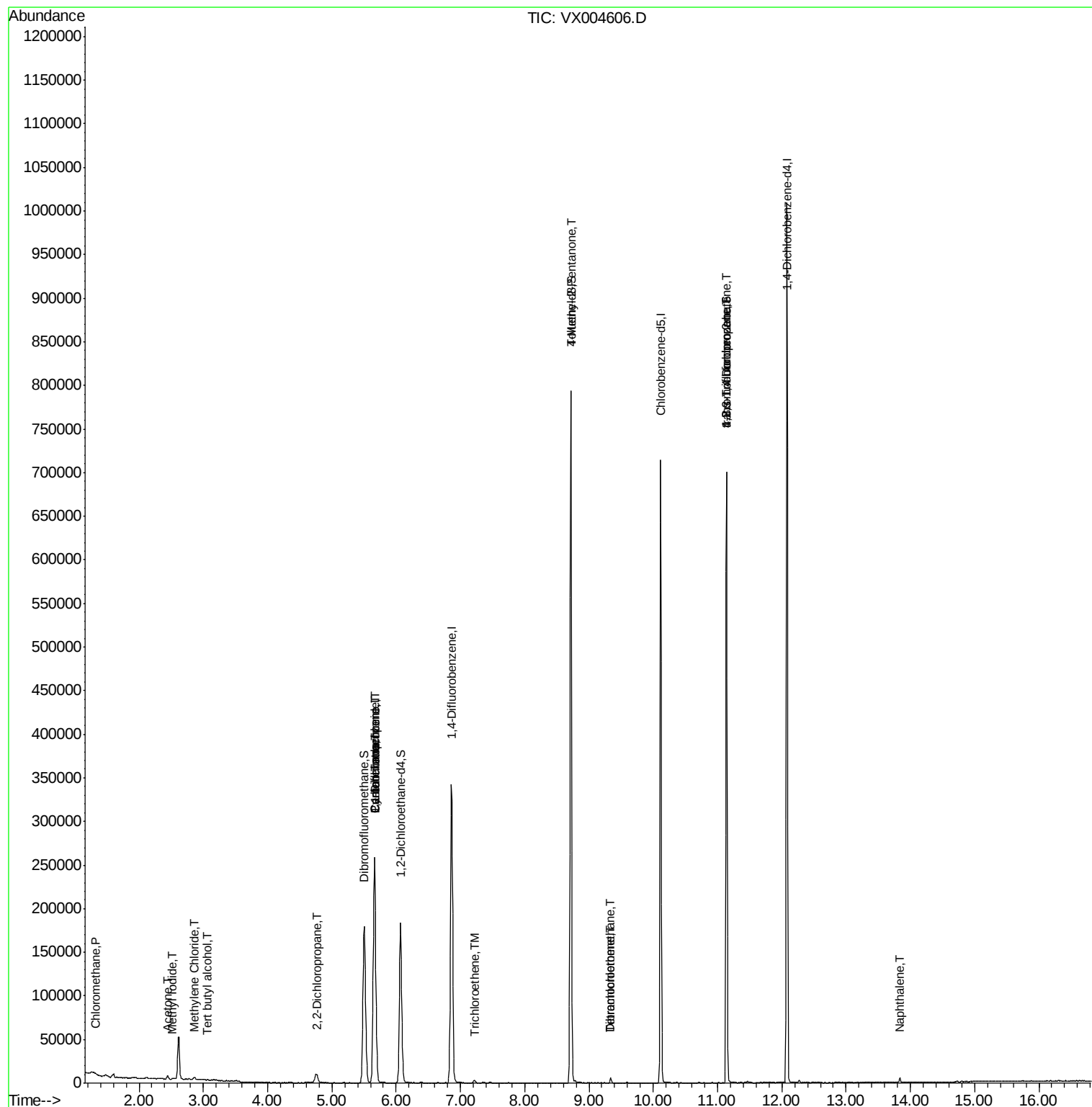
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	739	0.22	ug/l	94
5) Bromomethane	1.65	94	946	Below	Cal	86
10) Methyl Iodide	2.52	142	567	4.40	ug/l #	91
11) Tert butyl alcohol	3.06	59	235	0.29	ug/l #	72
16) Acetone	2.45	43	4102	2.47	ug/l	95
20) Methylene Chloride	2.86	84	1096	0.32	ug/l #	93
26) 2,2-Dichloropropane	4.76	77	796	0.20	ug/l #	52
31) Cyclohexane	5.67	56	4336	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17347	4.03	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22795	5.43	ug/l #	15
44) Trichloroethene	7.21	130	1327	0.40	ug/l	68
51) 4-Methyl-2-Pentanone	8.71	43	1904	0.42	ug/l #	1
60) Dibromochloromethane	9.34	129	1218	0.40	ug/l #	11
64) Tetrachloroethene	9.34	164	1237	0.30	ug/l #	81
76) 1,2,3-Trichloropropane	11.14	75	81752	19.83	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	81752	63.22	ug/l #	10
95) Naphthalene	13.83	128	4112	0.29	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091518\
Data File : VX004606.D
Acq On : 16 Sep 2018 01:46
Operator : JC/MD
Sample : J4913-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW302S-20180912

Quant Time: Sep 17 08:44:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

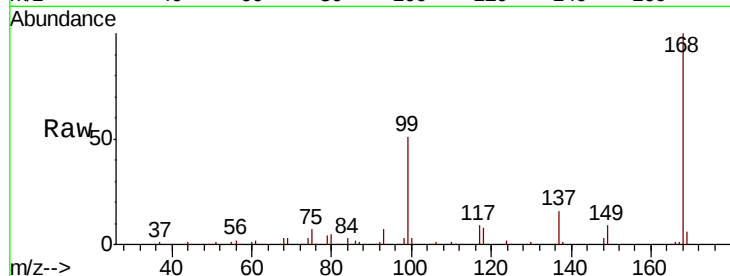
BPSI-TT-MW302S-20180912

Tot Ion:168 Resp: 263925

Ion Ratio Lower Upper

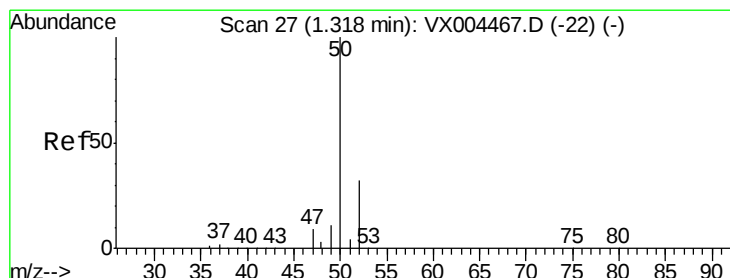
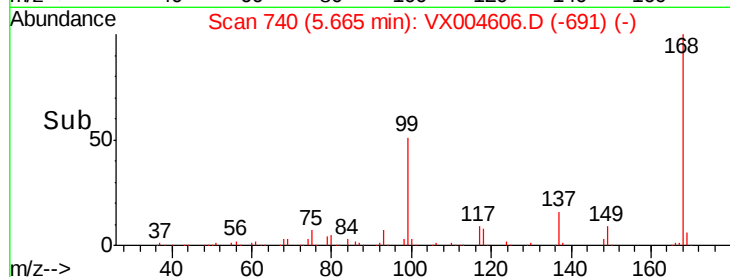
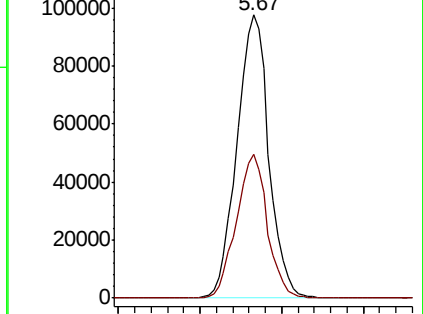
168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004606.D

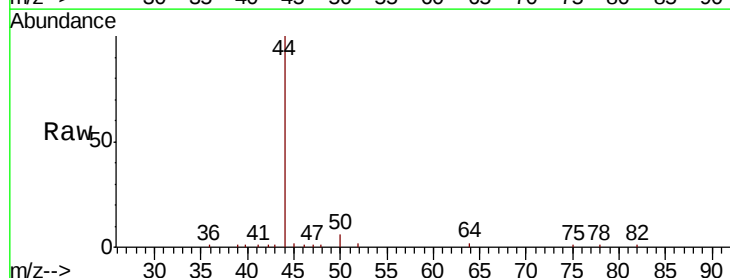
Acq: 16 Sep 2018 01:46

Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

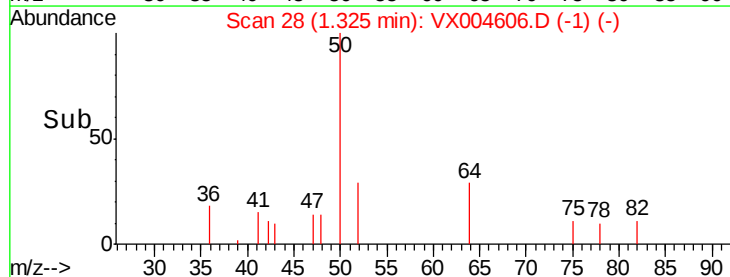
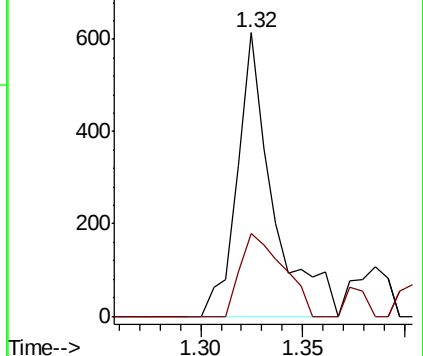
50 100

52 29.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

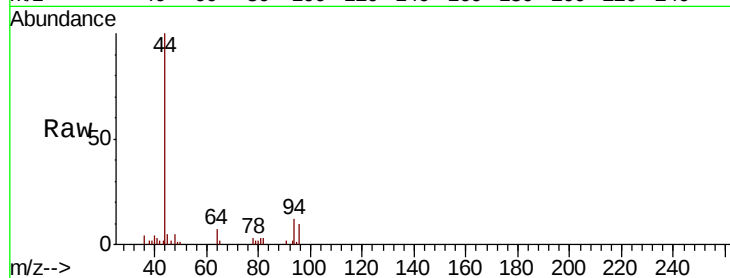
BPSI-TT-MW302S-20180912

Tot Ion: 94 Resp: 946

Ion Ratio Lower Upper

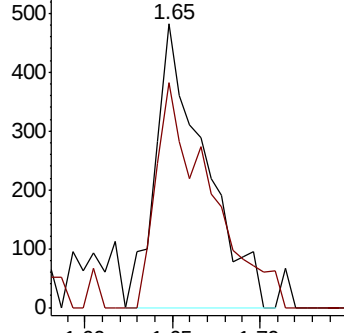
94 100

96 79.3 74.5 111.7

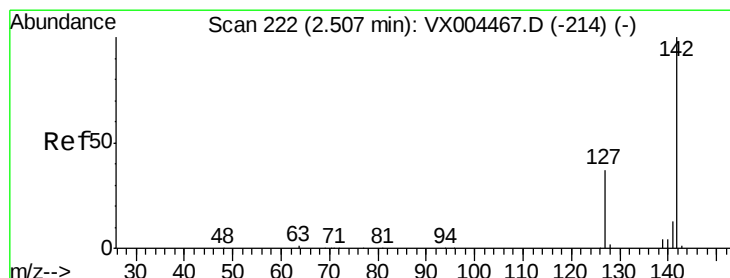
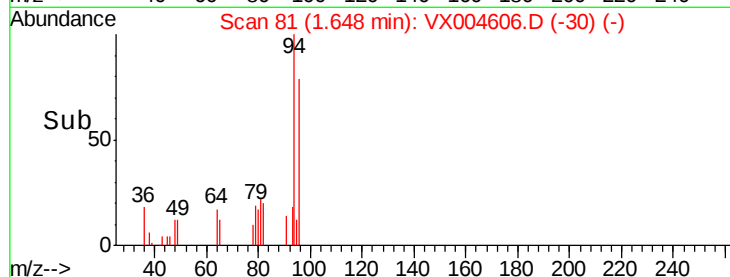


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.40 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

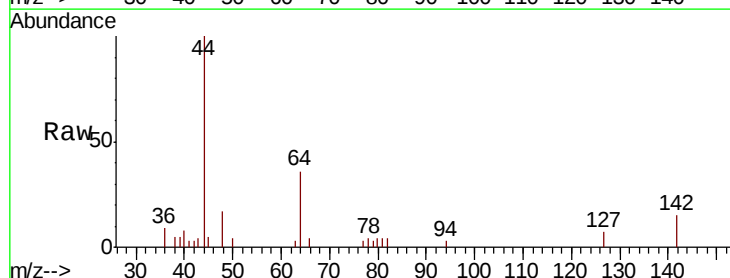
Tgt Ion: 142 Resp: 567

Ion Ratio Lower Upper

142 100

127 41.8 33.8 50.6

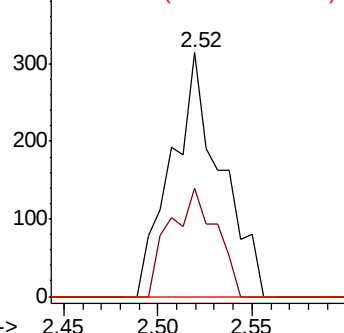
141 0.0 11.4 17.0#



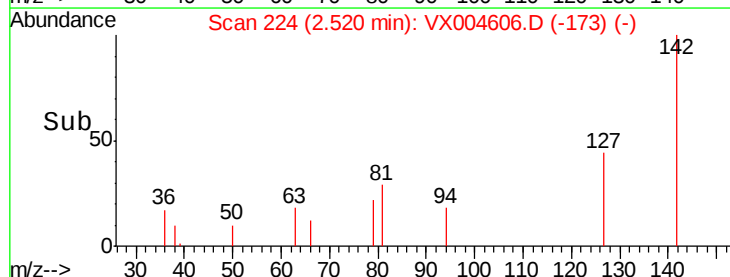
Abundance Ion 141.80 (141.50 to 142.50): V

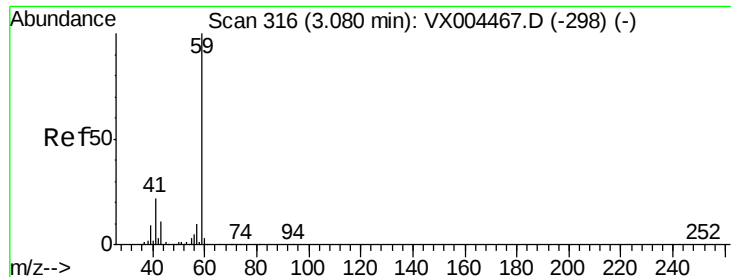
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



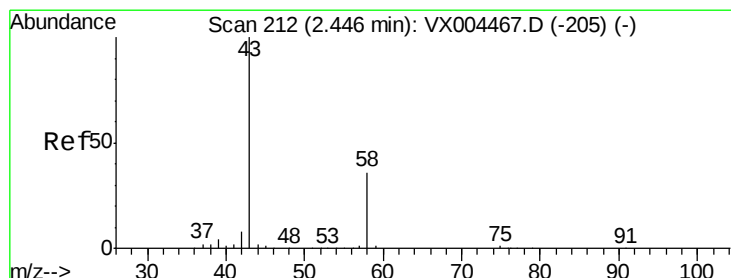
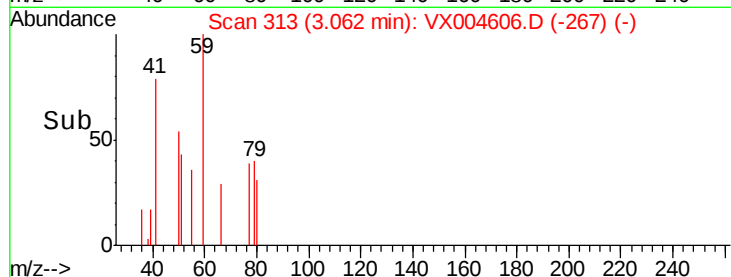
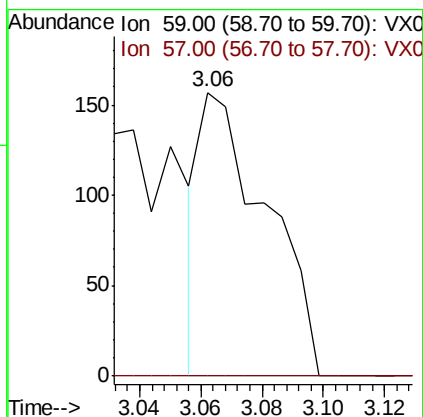
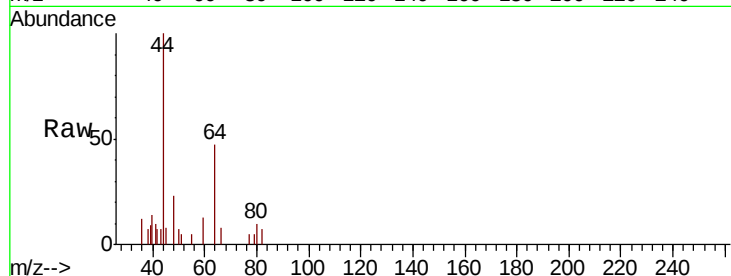


#11

Tert butvl alcohol
Concen: 0.29 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004606.D
Acq: 16 Sep 2018 01:46

Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW302S-20180912

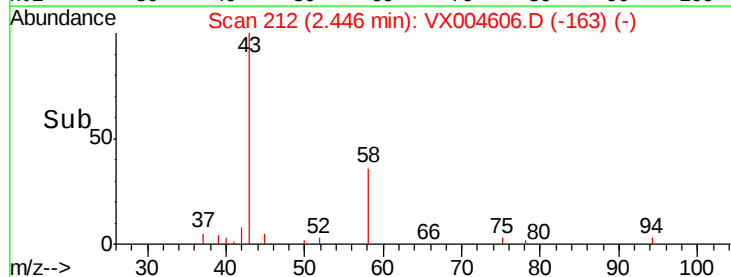
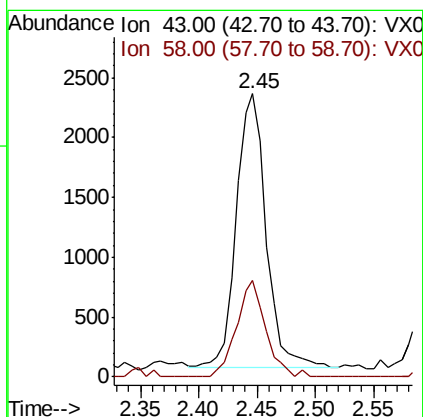
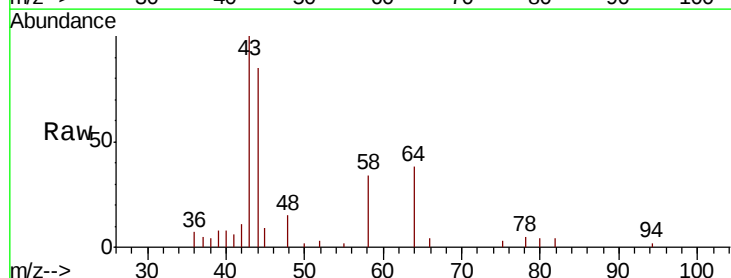
Tot Ion: 59 Resp: 235
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

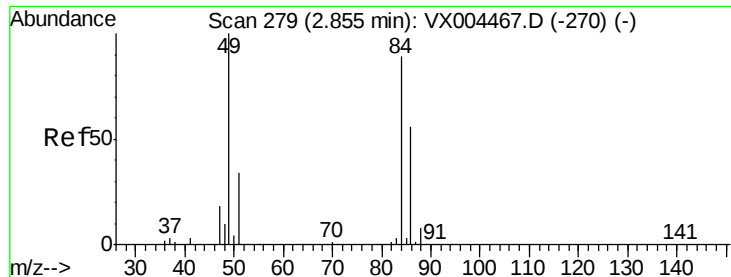


#16

Acetone
Concen: 2.47 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004606.D
Acq: 16 Sep 2018 01:46

Tgt Ion: 43 Resp: 4102
Ion Ratio Lower Upper
43 100
58 35.4 26.2 39.4





#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW302S-20180912

Tot Ion: 84 Resp: 1096

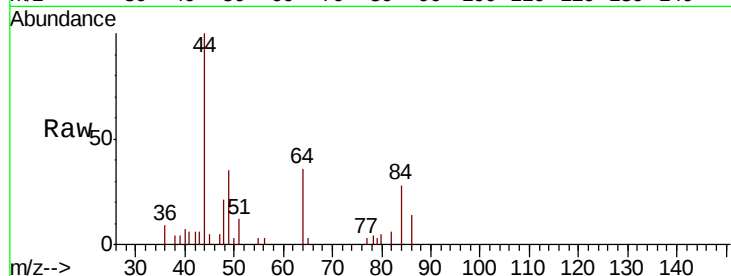
Ion Ratio Lower Upper

84 100

49 127.6 101.2 151.8

51 31.5 29.5 44.3

86 50.4 52.3 78.5#

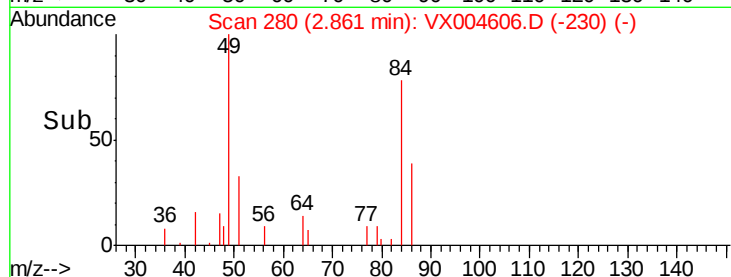
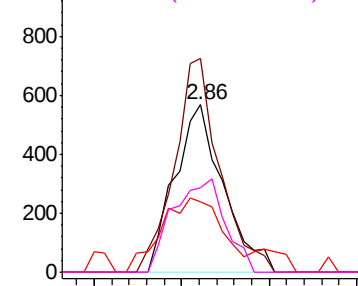


Abundance Ion 83.90 (83.60 to 84.60): VX0

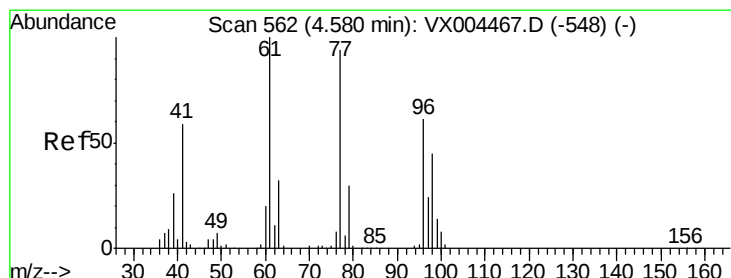
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 0.20 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.18 min

Lab File: VX004606.D

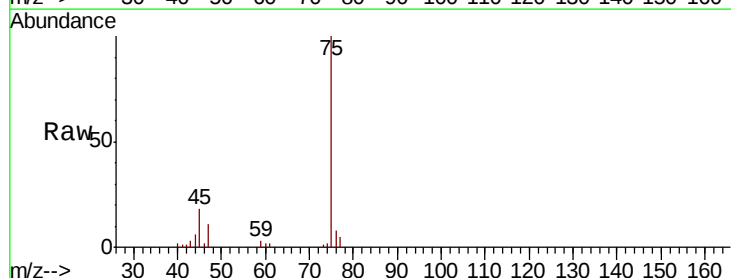
Acq: 16 Sep 2018 01:46

Tgt Ion: 77 Resp: 796

Ion Ratio Lower Upper

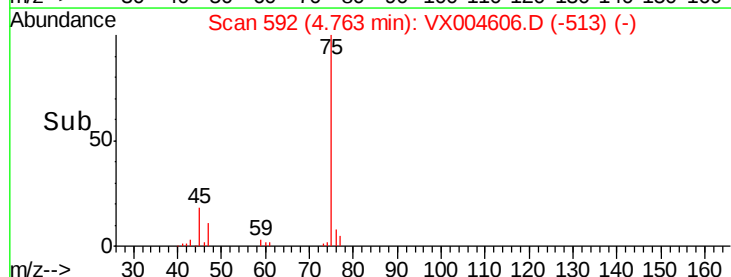
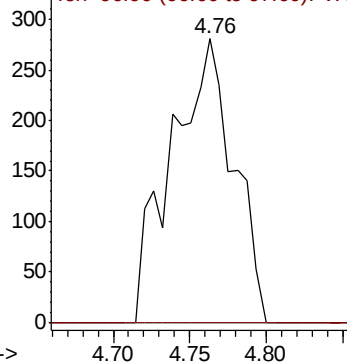
77 100

97 0.0 11.7 35.0#

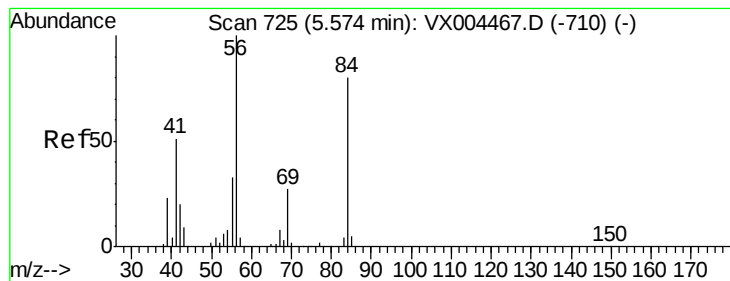


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW302S-20180912

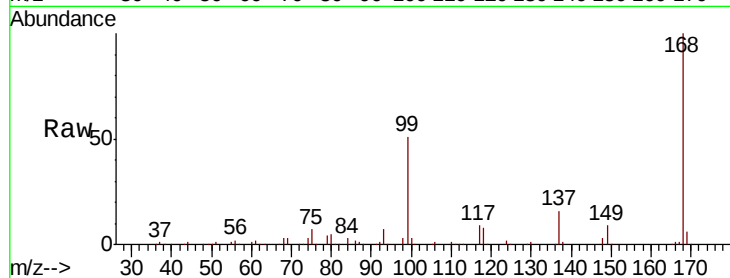
Tot Ion: 56 Resp: 4336

Ion Ratio Lower Upper

56 100

69 180.4 25.4 38.2#

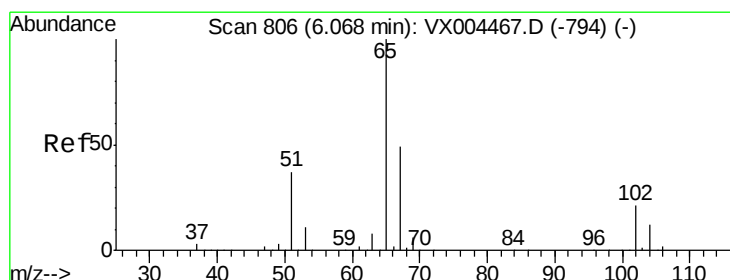
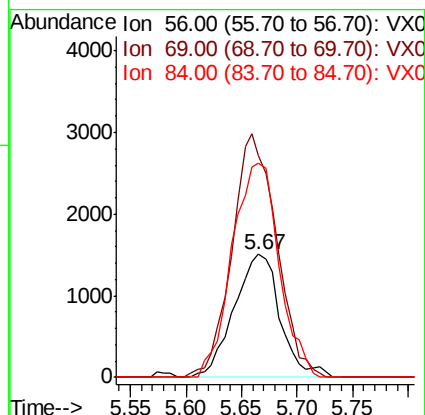
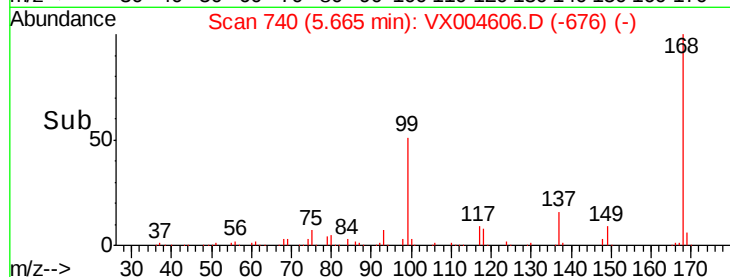
84 174.1 71.4 107.2#



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: 48.80 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004606.D

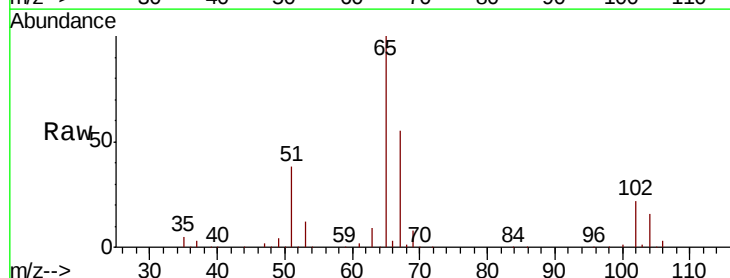
Acq: 16 Sep 2018 01:46

Tgt Ion: 65 Resp: 166078

Ion Ratio Lower Upper

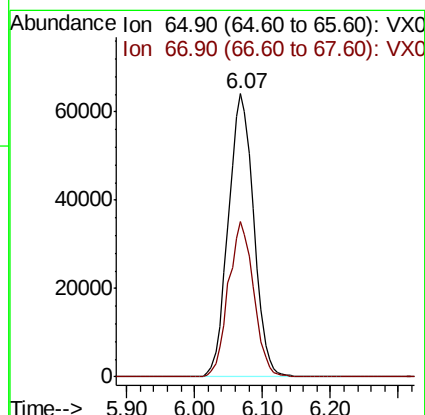
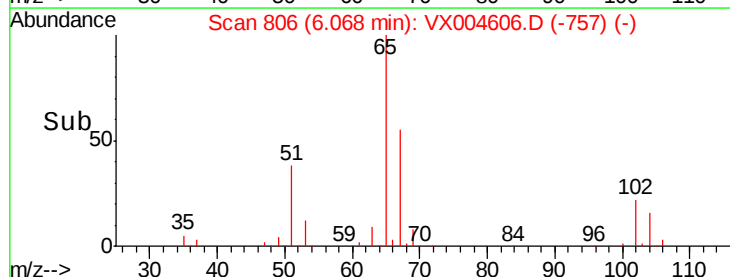
65 100

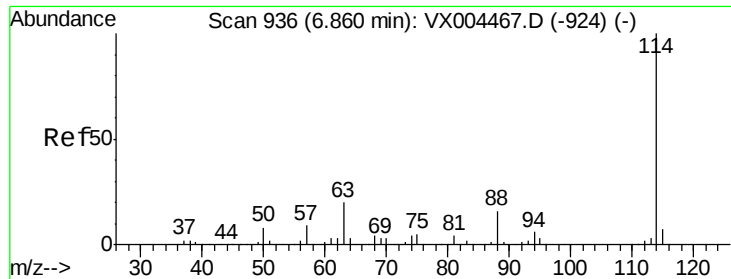
67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

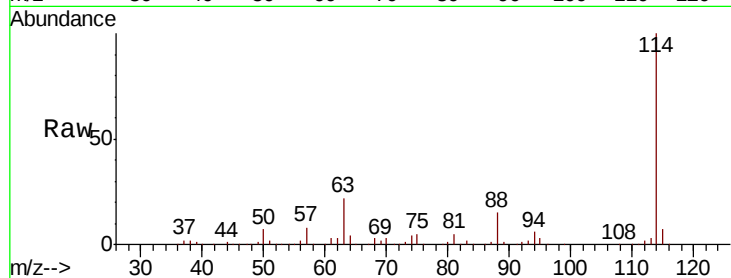




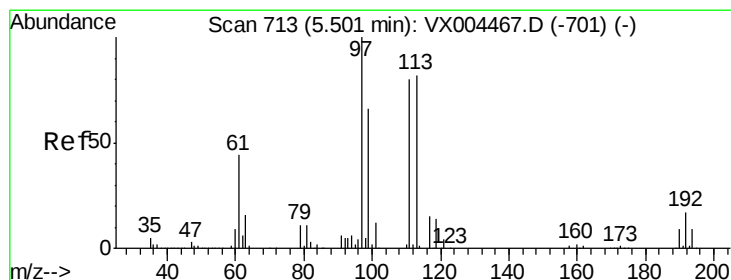
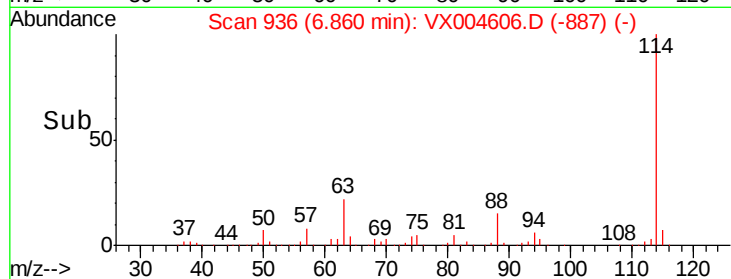
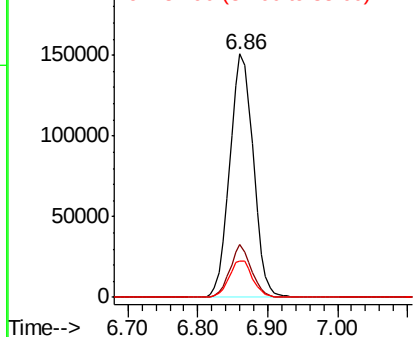
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

Tot Ion:114 Resp: 354185
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.0
 88 15.0 0.0 30.4

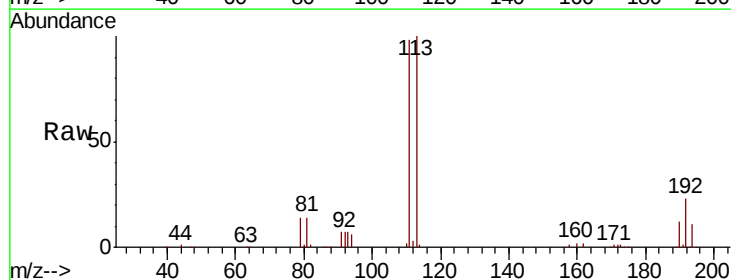


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

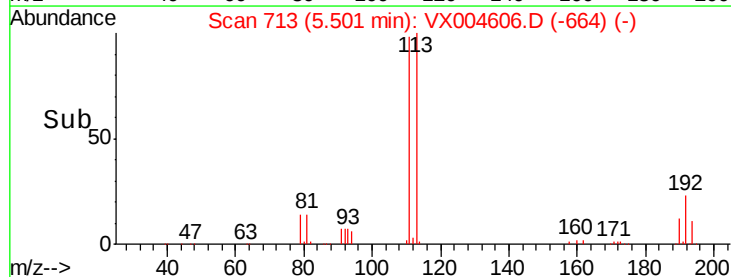
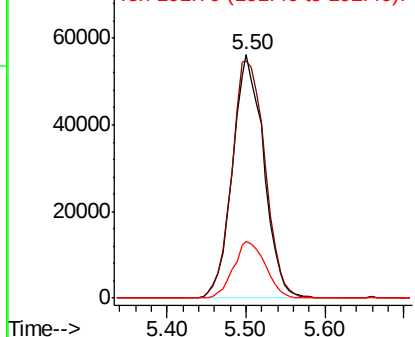


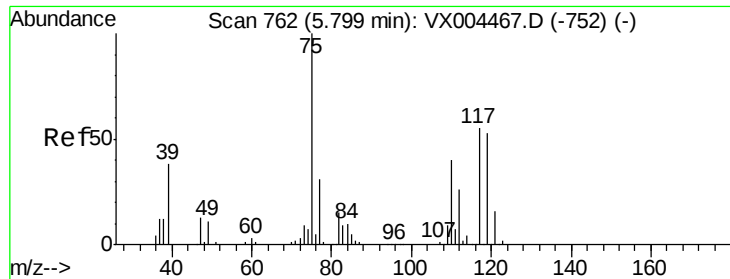
#35
 Dibromofluoromethane
 Concen: 47.74 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Tgt Ion:113 Resp: 154718
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 23.9 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

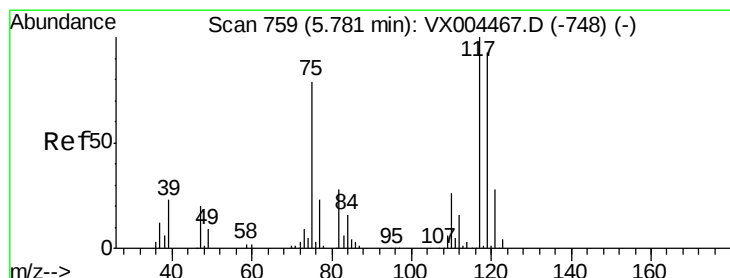
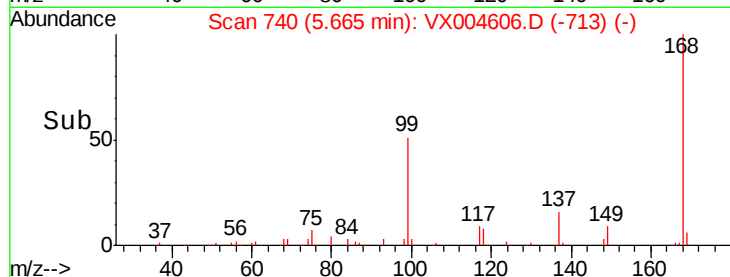
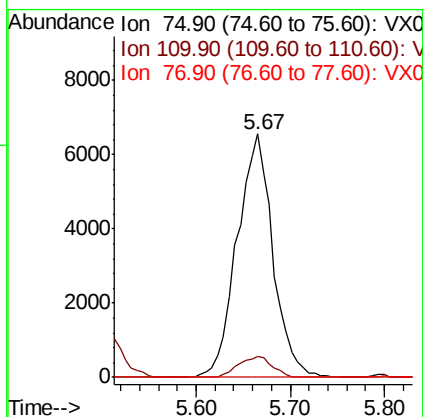
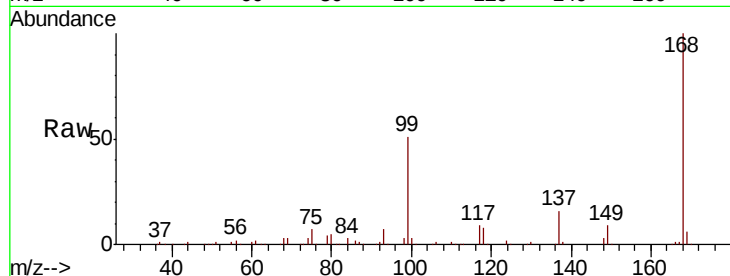




#36
 1,1-Dichloropropene
 Concen: 4.03 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

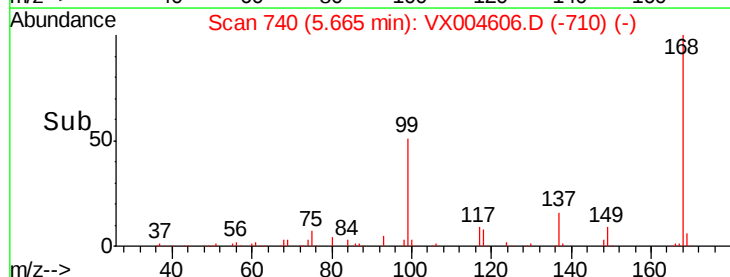
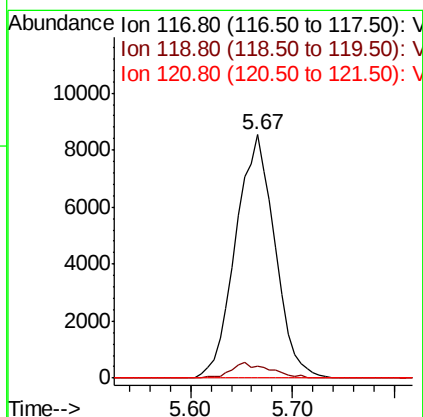
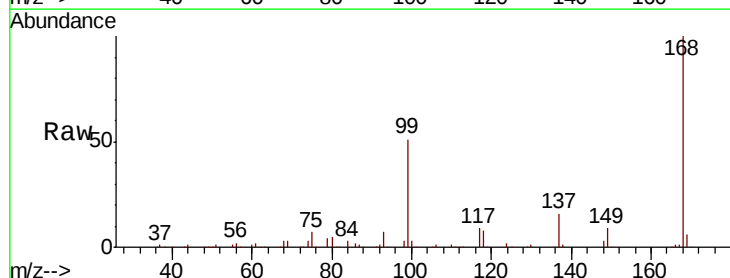
Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

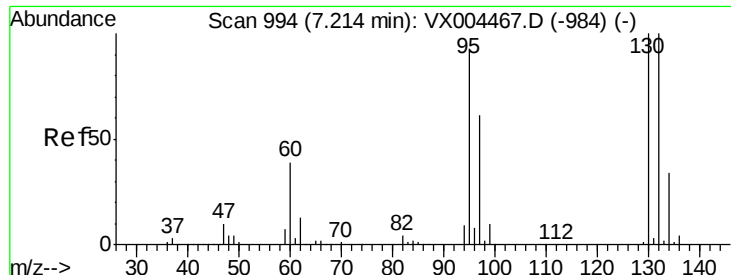
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.43 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.8	118.2#
121	0.0	24.9	37.3#

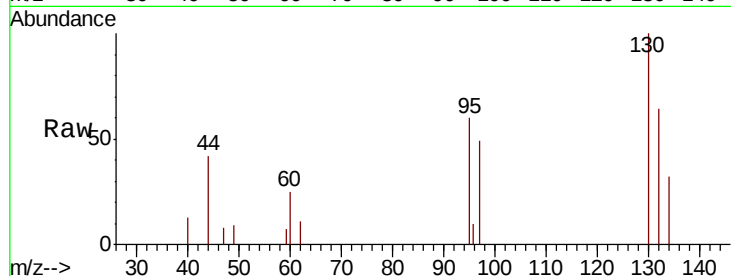




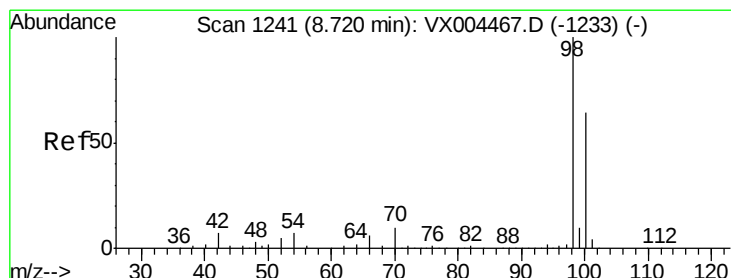
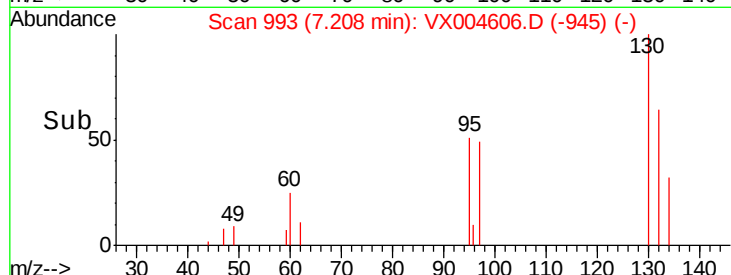
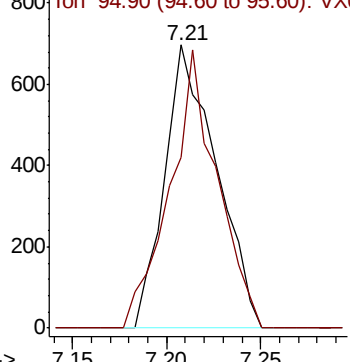
#44
 Trichloroethene
 Concen: 0.40 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

Tot Ion:130 Resp: 1327
 Ion Ratio Lower Upper
 130 100
 95 60.4 0.0 181.6

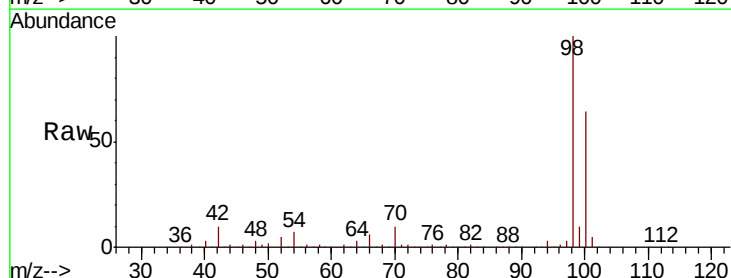


Abundance Ion 129.80 (129.50 to 130.50): V

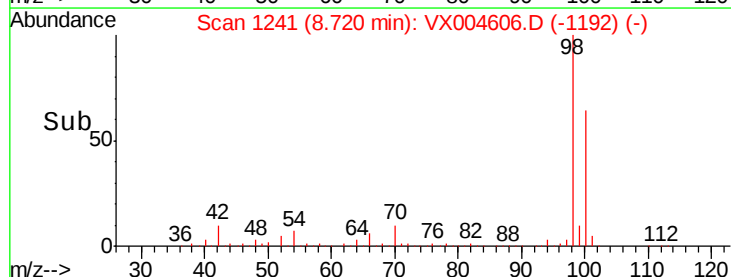
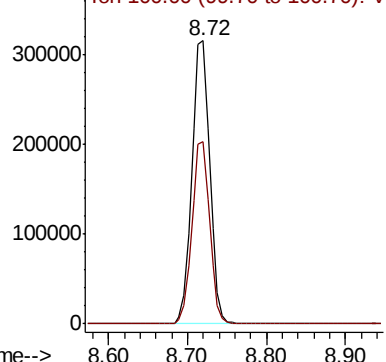


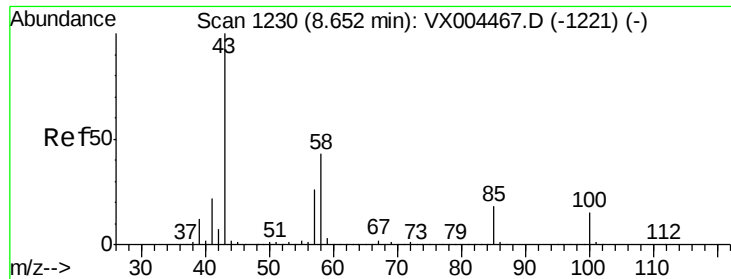
#50
 Toluene-d8
 Concen: 45.77 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Tgt Ion: 98 Resp: 497474
 Ion Ratio Lower Upper
 98 100
 100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

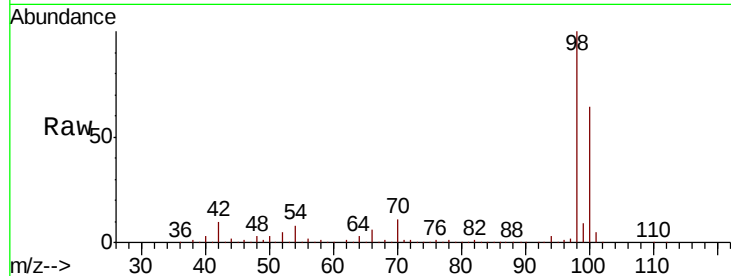




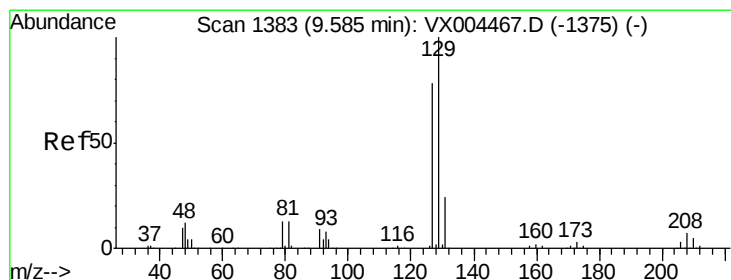
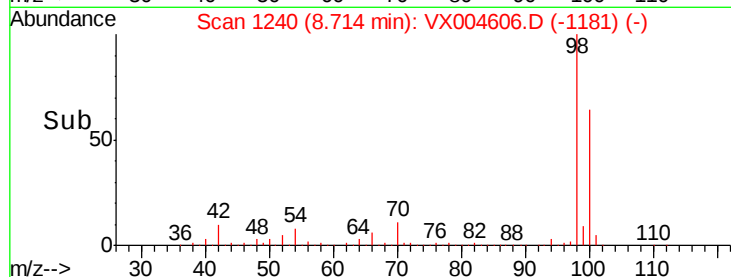
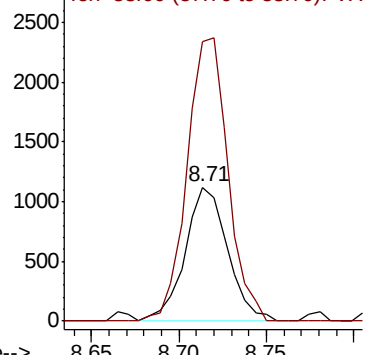
#51
 4-Methyl-2-Pentanone
 Concen: 0.42 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.06 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

Tot Ion: 43 Resp: 1904
 Ion Ratio Lower Upper
 43 100
 58 202.9 33.1 49.7#

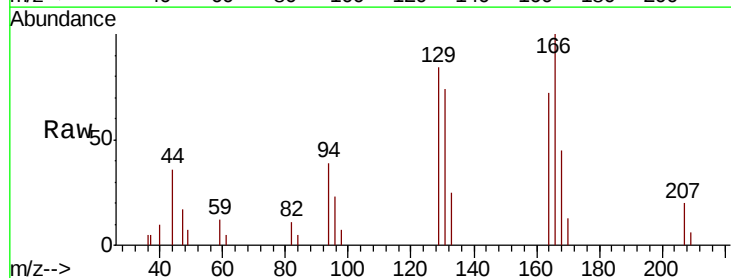


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

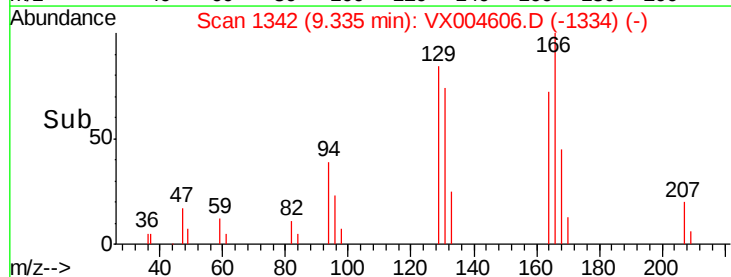
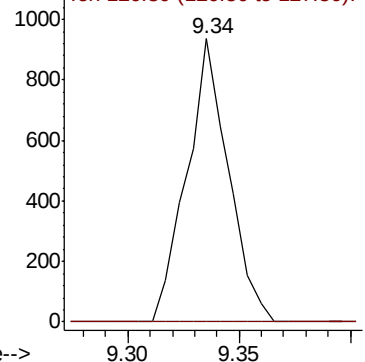


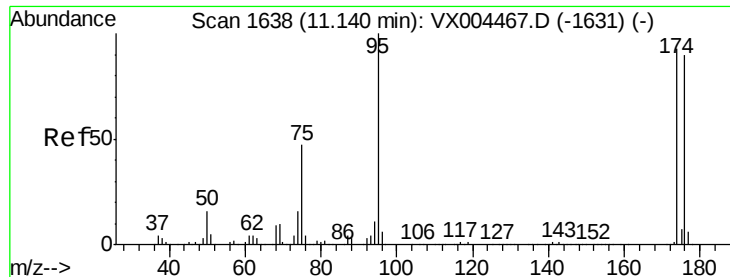
#60
 Dibromochloromethane
 Concen: 0.40 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Tgt Ion: 129 Resp: 1218
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.72 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW302S-20180912

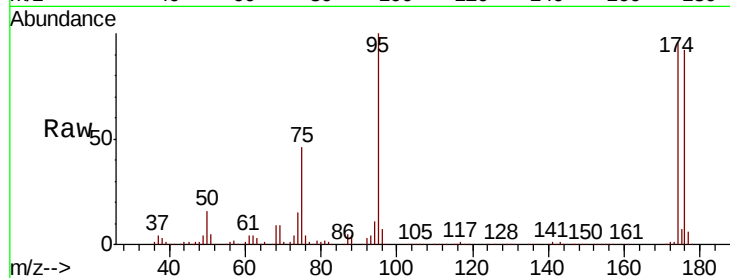
Tot Ion: 95 Resp: 173501

Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.2

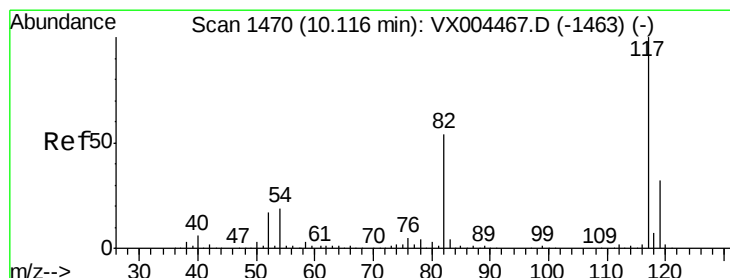
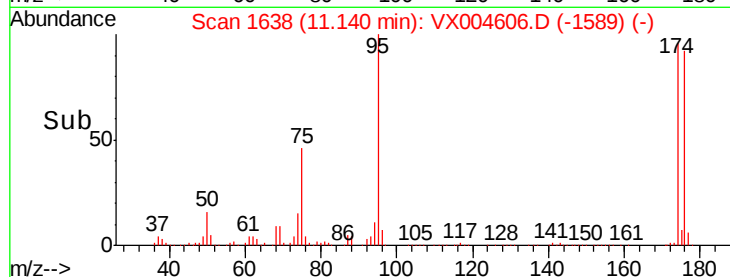
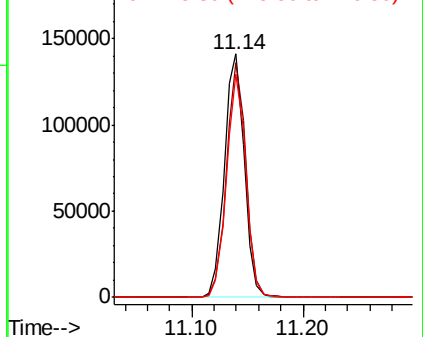
176 89.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

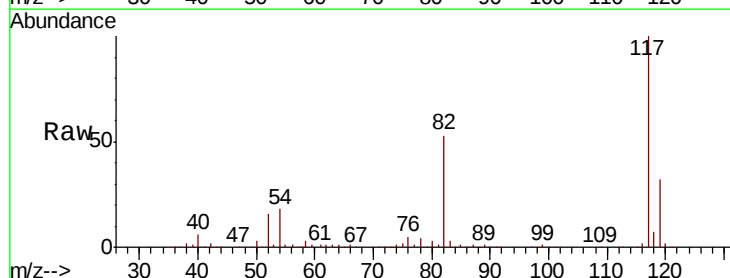
Tgt Ion: 117 Resp: 332447

Ion Ratio Lower Upper

117 100

82 53.0 47.8 71.6

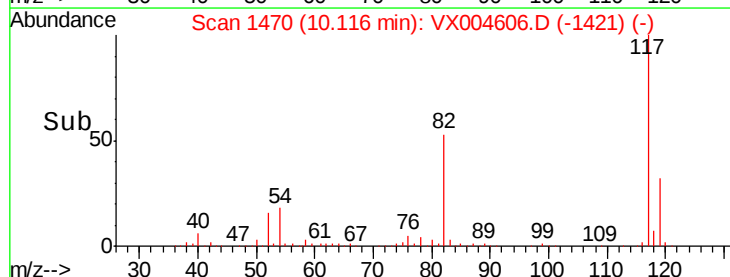
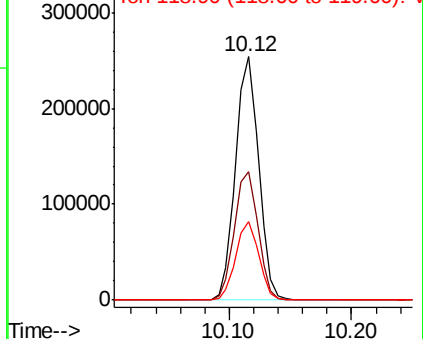
119 32.0 29.3 43.9

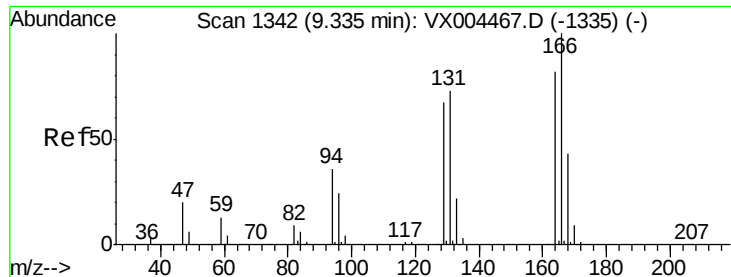


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

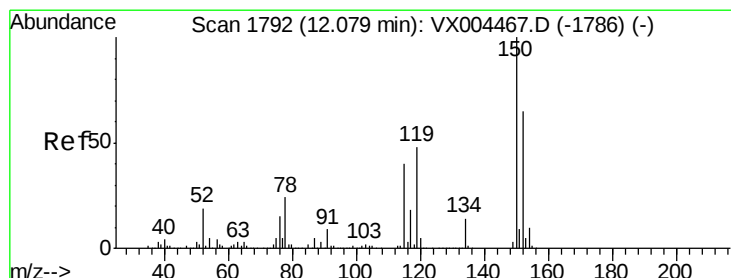
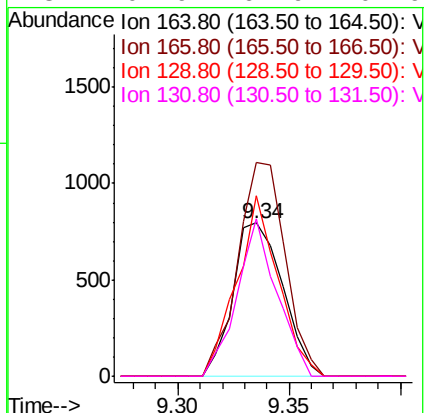
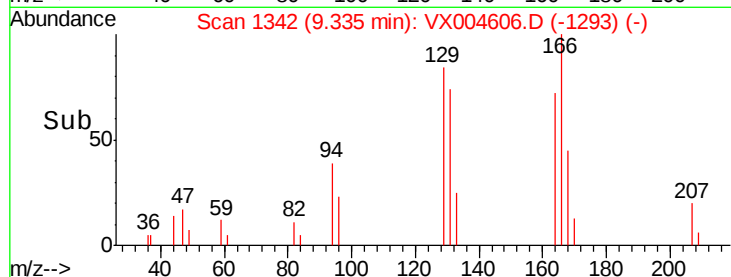
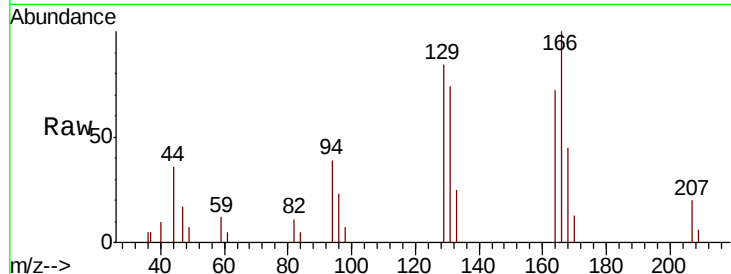




#64
Tetrachloroethene
Concen: 0.30 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004606.D
Acq: 16 Sep 2018 01:46

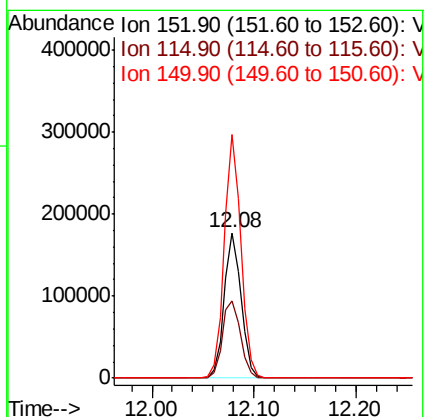
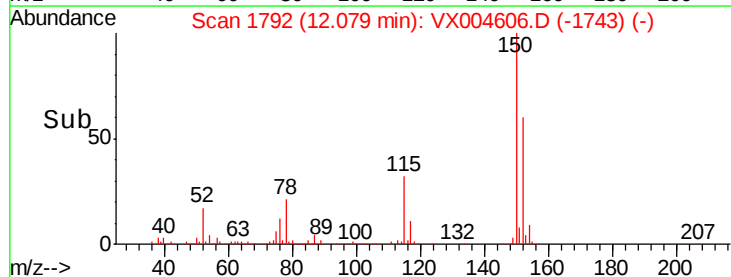
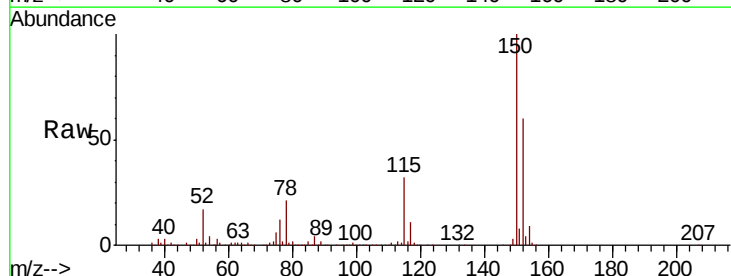
Instrument :
MSVOA_X
ClientSampleId :
BPSI-TT-MW302S-20180912

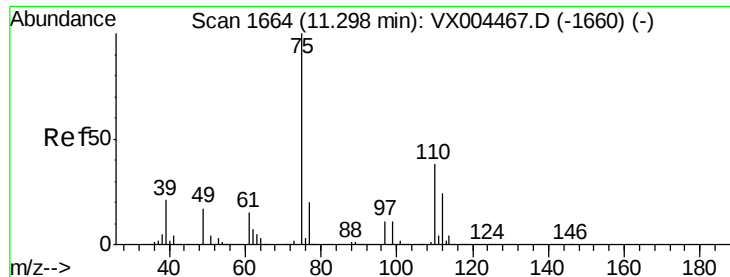
Tot Ion	Ratio	Lower	Upper
164	100		
166	139.4	102.8	154.2
129	117.7	69.4	104.0
131	102.9	67.9	101.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004606.D
Acq: 16 Sep 2018 01:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	39.0	117.0
150	164.6	0.0	351.0

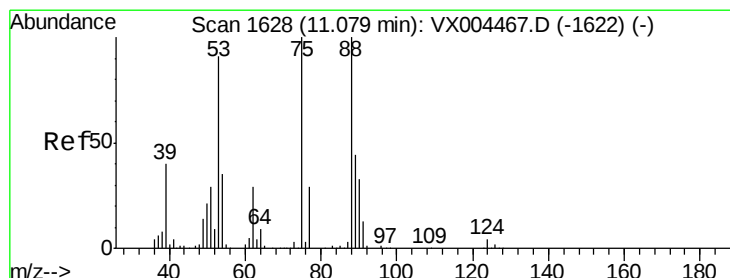
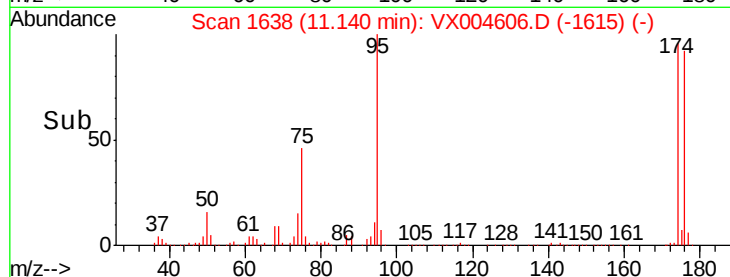
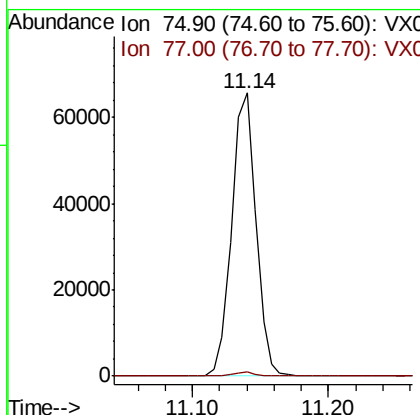
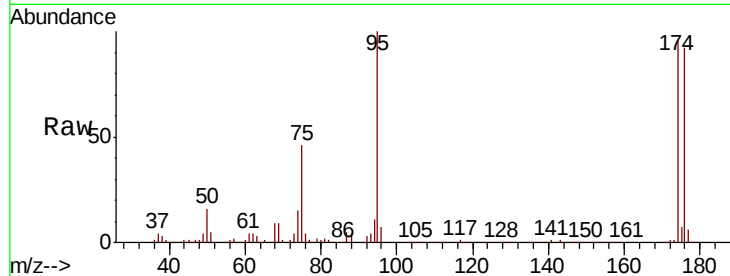




#76
 1,2,3-Trichloropropane
 Concen: 19.83 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

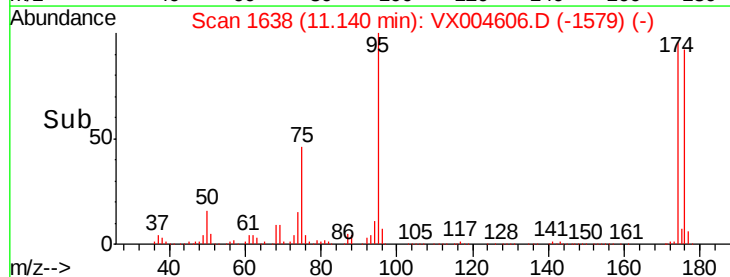
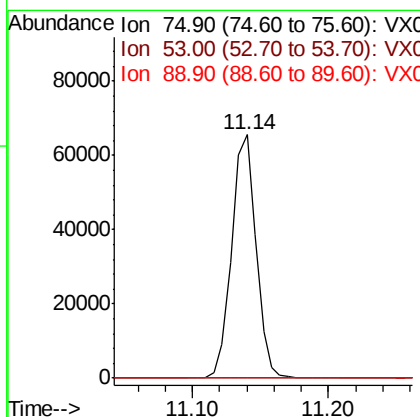
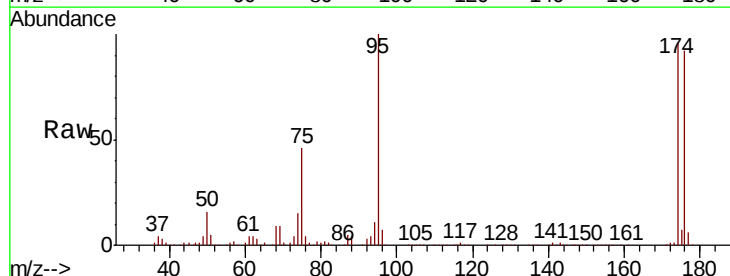
Instrument :
 MSVOA_X
 ClientSampleId :
 BPSI-TT-MW302S-20180912

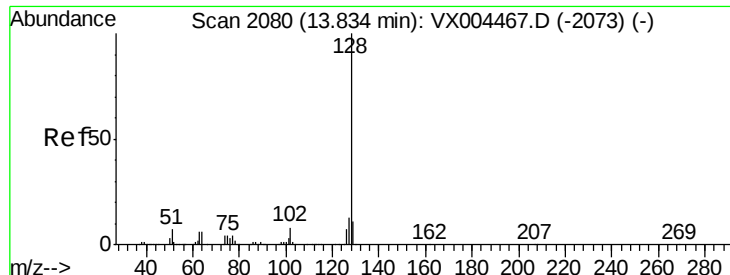
Tot Ion: 75 Resp: 81752
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.22 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004606.D
 Acq: 16 Sep 2018 01:46

Tgt Ion: 75 Resp: 81752
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.29 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004606.D

Acq: 16 Sep 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

BPSI-TT-MW302S-20180912

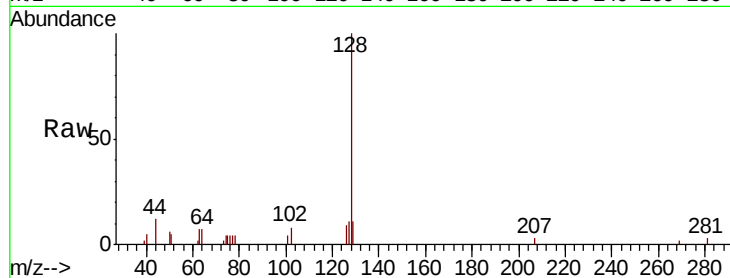
Tot Ion:128 Resp: 4112

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.2

129 11.5 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

