

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121018\
 Data File : VX006407.D
 Acq On : 11 Dec 2018 08:38
 Operator : JC/MD
 Sample : J6314-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303I1-20181207

Quant Time: Dec 11 09:43:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	659762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1048052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	947873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	437031	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	352706	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	5.51	113	324334	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	1227351	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.13	95	448874	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	

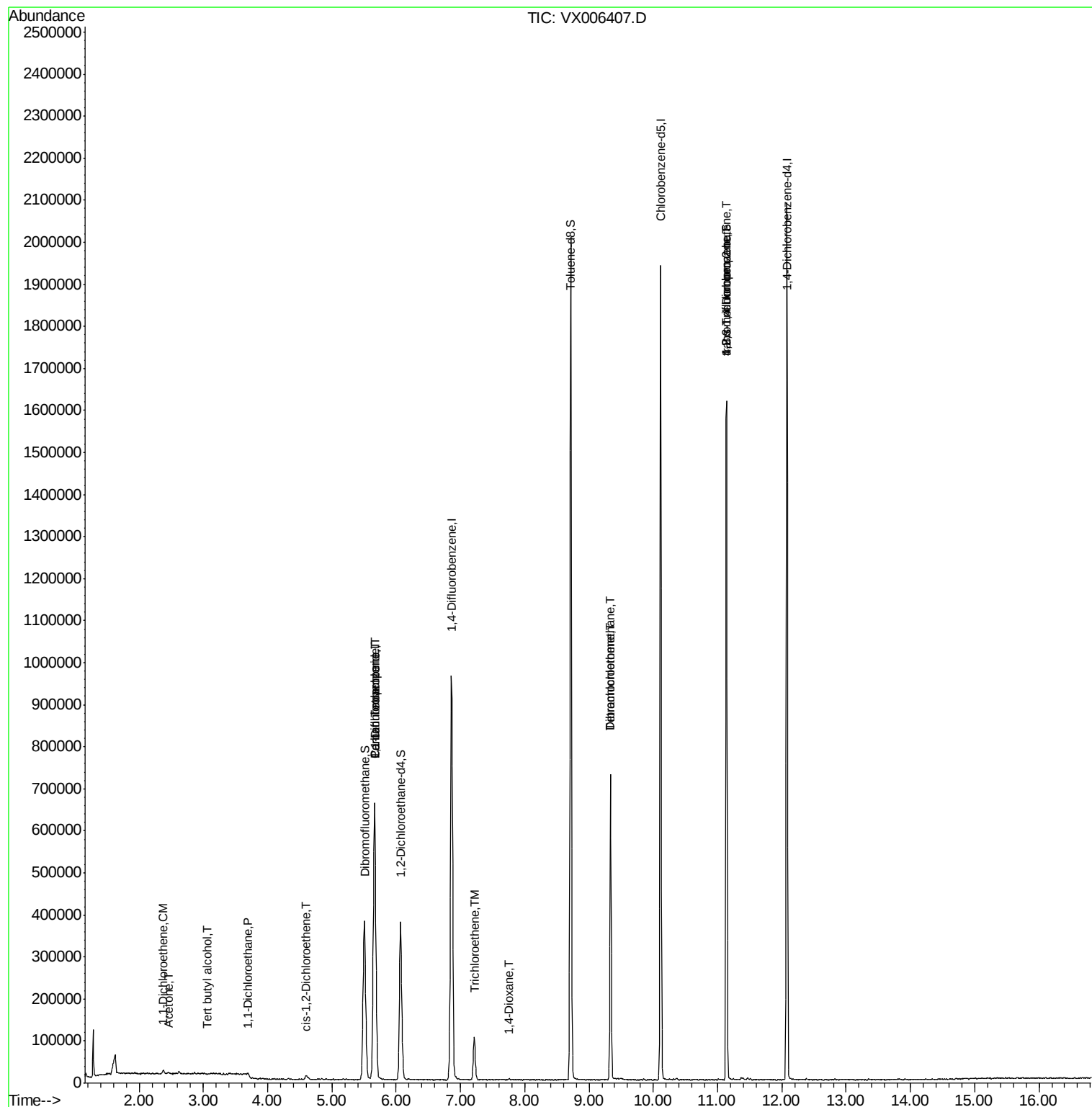
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	792	0.430	ug/l #	1
12) 1,1-Dichloroethene	2.38	96	3466	0.581	ug/l #	72
16) Acetone	2.45	43	1532	0.485	ug/l	94
24) 1,1-Dichloroethane	3.70	63	6837	0.649	ug/l #	95
27) cis-1,2-Dichloroethene	4.59	96	6001	0.846	ug/l	94
36) 1,1-Dichloropropene	5.66	75	43635	4.944	ug/l #	48
38) Carbon Tetrachloride	5.66	117	63247	6.092	ug/l #	16
44) Trichloroethene	7.21	130	42046	5.251	ug/l	94
49) 1,4-Dioxane	7.75	88	1516	7.673	ug/l #	64
60) Dibromochloromethane	9.33	129	131920	15.143	ug/l #	11
64) Tetrachloroethene	9.33	164	139082	19.484	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	203990	24.183	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	203990	56.750	ug/l #	15

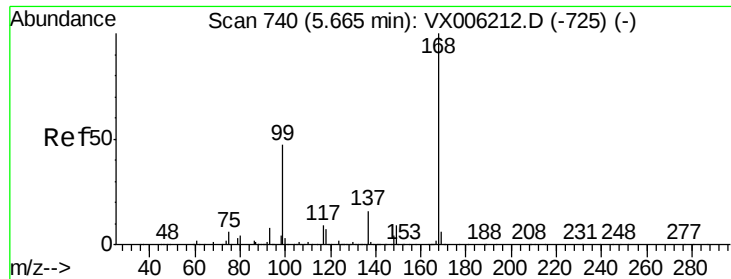
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPS1-TT-MW30311-20181207

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

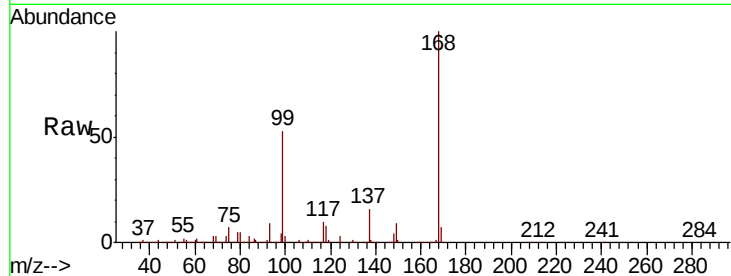
BPS1-TT-MW30311-20181207

Tgt Ion:168 Resp: 659762

Ion Ratio Lower Upper

168 100

99 52.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

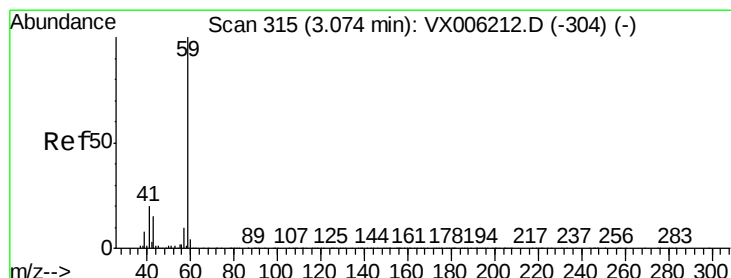
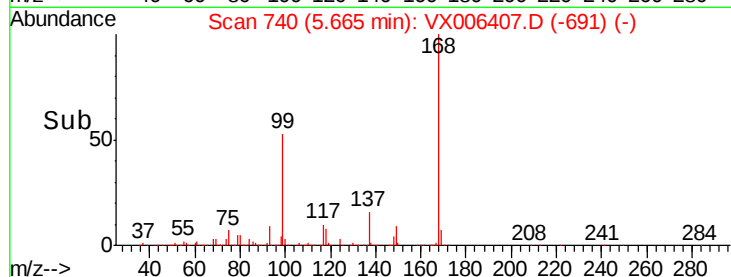
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.430 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006407.D

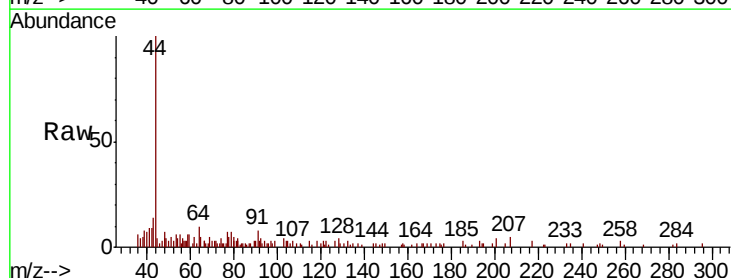
Acq: 11 Dec 2018 08:38

Tgt Ion: 59 Resp: 792

Ion Ratio Lower Upper

59 100

57 56.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

600

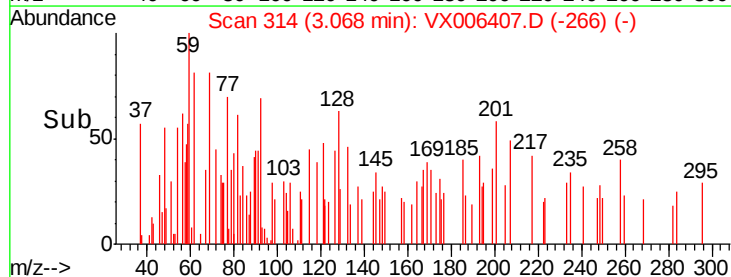
400

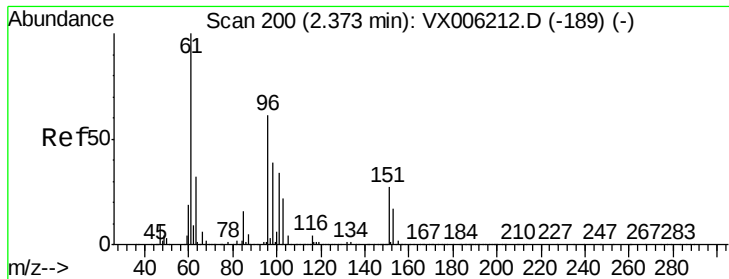
200

0

Time-->

3.05 3.10





#12

1,1-Dichloroethene

Concen: 0.581 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20181207

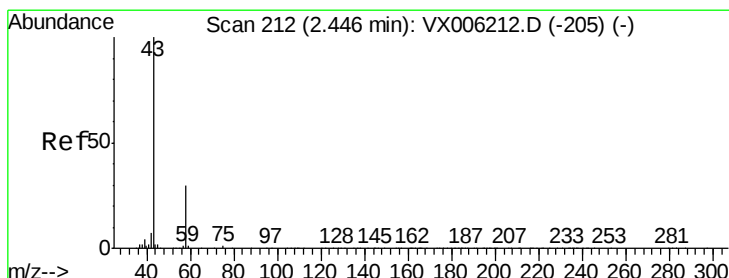
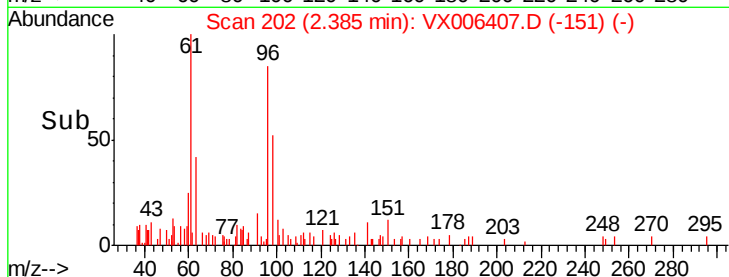
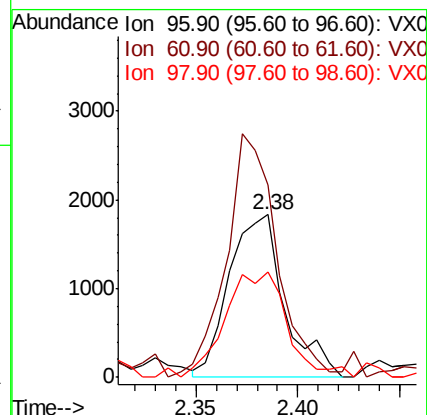
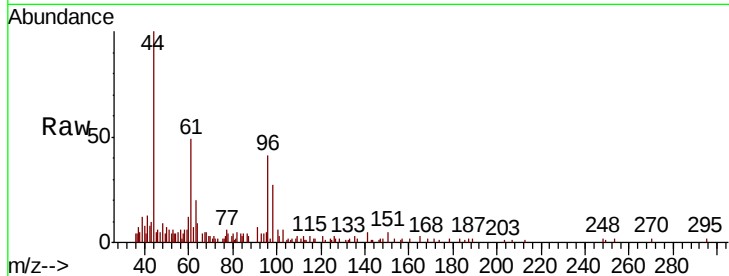
Tgt Ion: 96 Resp: 3466

Ion Ratio Lower Upper

96 100

61 115.3 131.7 197.5#

98 59.4 51.8 77.6



#16

Acetone

Concen: 0.485 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006407.D

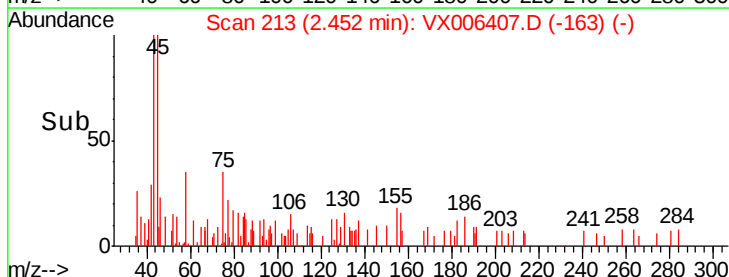
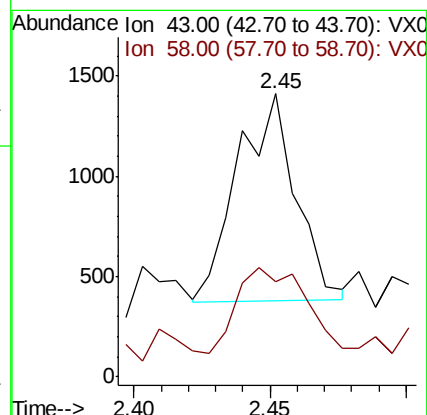
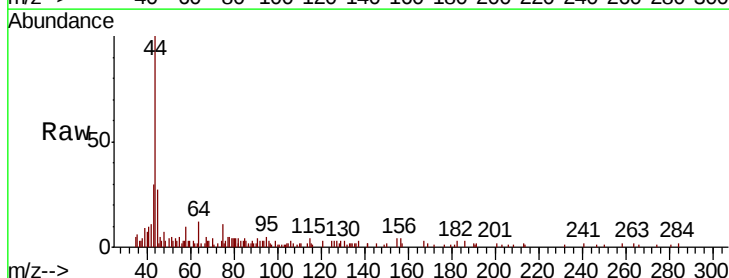
Acq: 11 Dec 2018 08:38

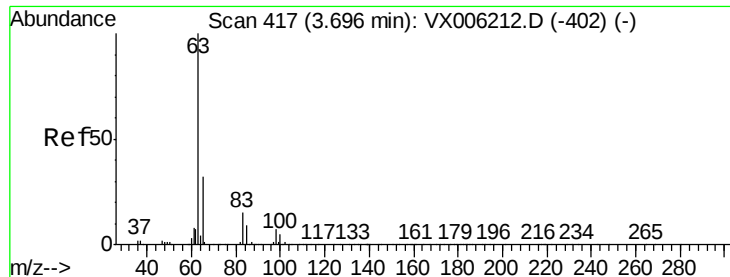
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 33.4 24.0 36.0





#24

1,1-Dichloroethane

Concen: 0.649 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

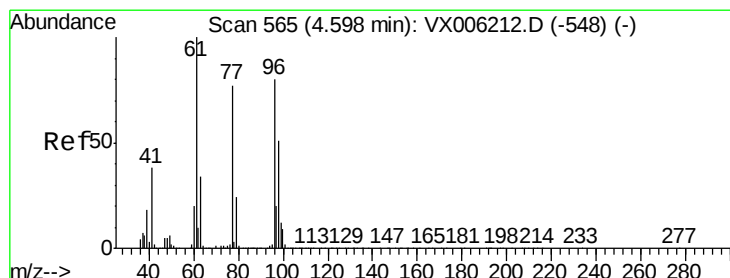
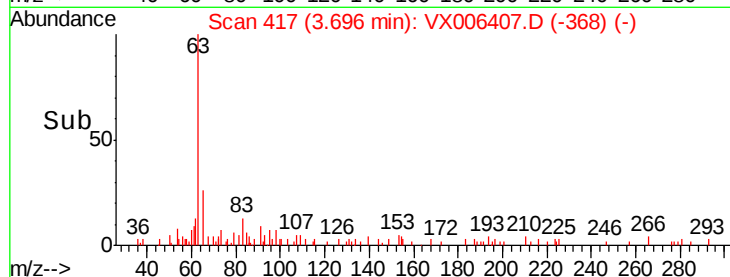
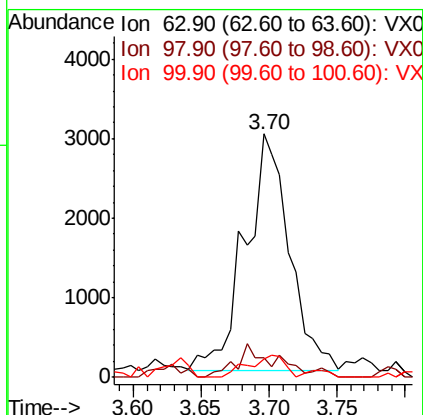
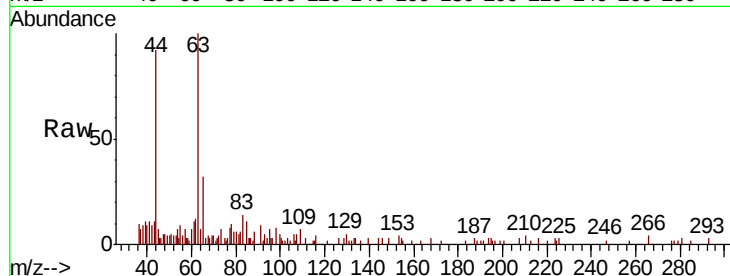
Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20181207

Tgt Ion:	63	Resp:	6837
Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.8	11.4
100	7.8	2.5	7.4#



#27

cis-1,2-Dichloroethene

Concen: 0.846 ug/l

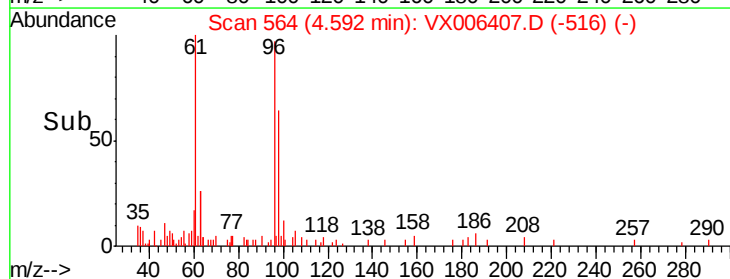
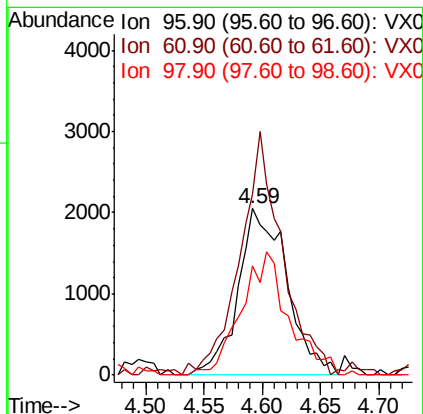
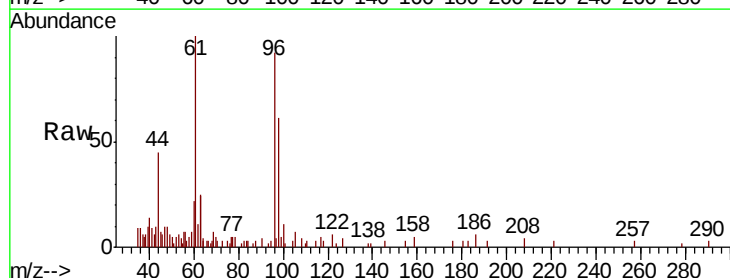
RT: 4.59 min Scan# 564

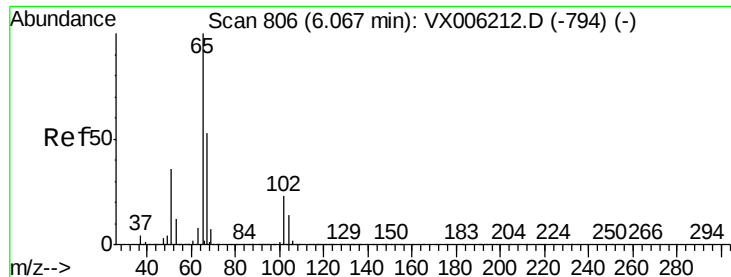
Delta R.T. -0.01 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Tgt Ion:	96	Resp:	6001
Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	265.0
98	71.8	0.0	130.2





#33

1,2-Dichloroethane-d4

Concen: 52.368 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

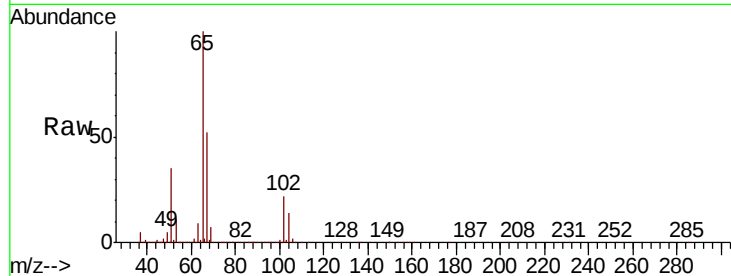
BPS1-TT-MW30311-20181207

Tgt Ion: 65 Resp: 352706

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

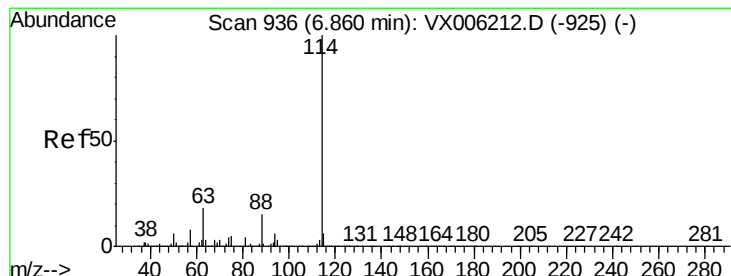
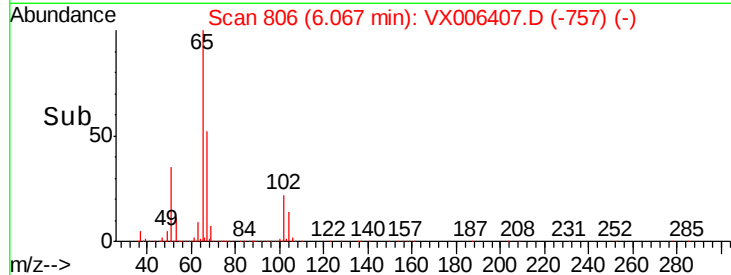
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

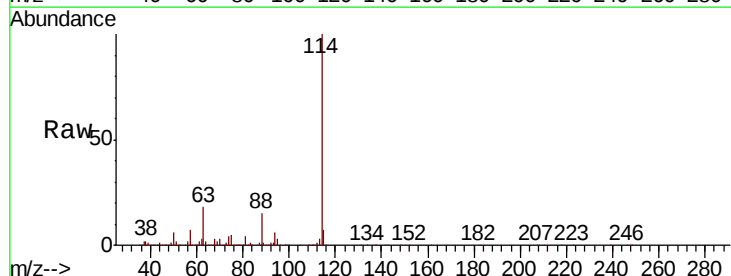
Tgt Ion: 114 Resp: 1048052

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 14.8 0.0 29.0



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

6.86

600000

500000

400000

300000

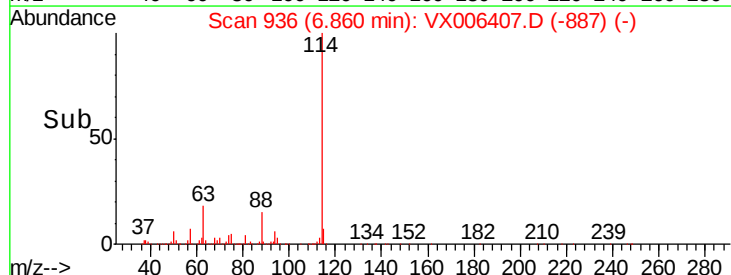
200000

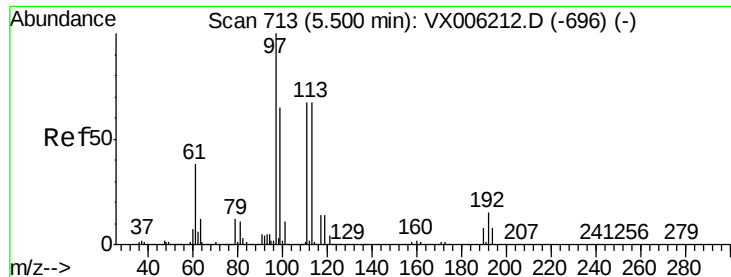
100000

0

6.70 6.80 6.90 7.00 7.10

Time-->





#35

Dibromofluoromethane

Concen: 47.796 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

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ClientSampleId :

BPS1-TT-MW30311-20181207

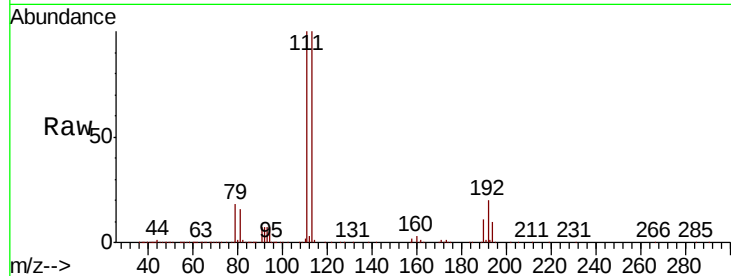
Tgt Ion:113 Resp: 324334

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

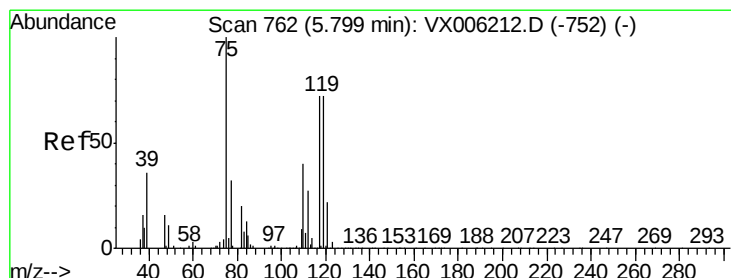
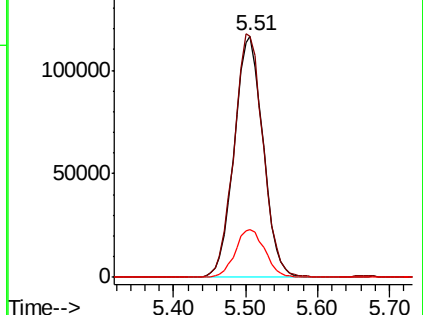
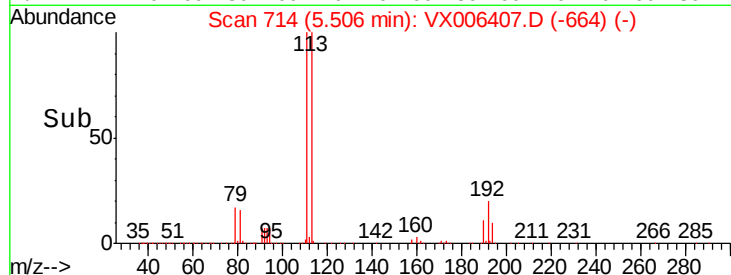
192 20.3 18.2 27.2



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: 4.944 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

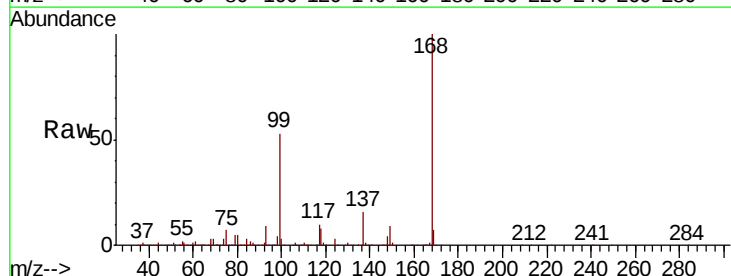
Tgt Ion: 75 Resp: 43635

Ion Ratio Lower Upper

75 100

110 10.3 20.4 61.3#

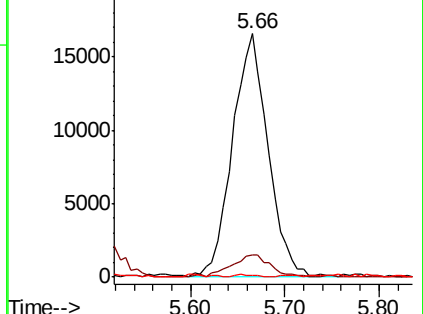
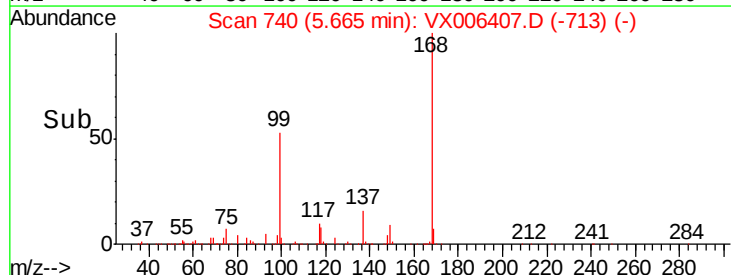
77 0.7 24.9 37.3#

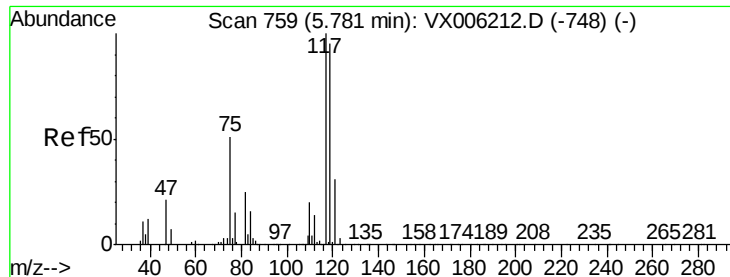


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.092 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

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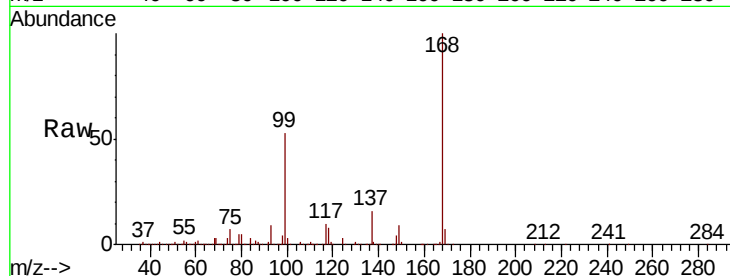
Tgt Ion:117 Resp: 63247

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

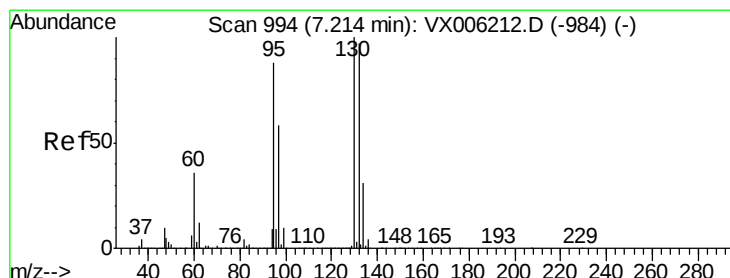
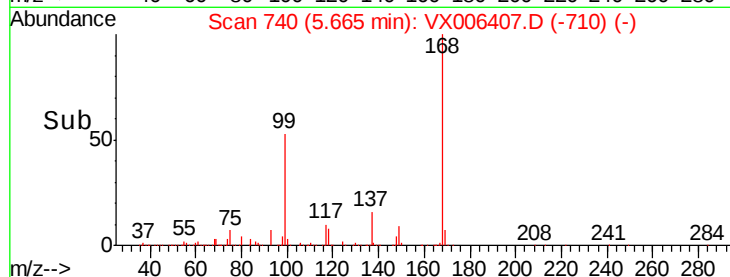
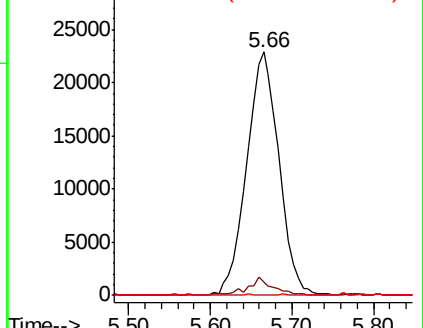
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 5.251 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006407.D

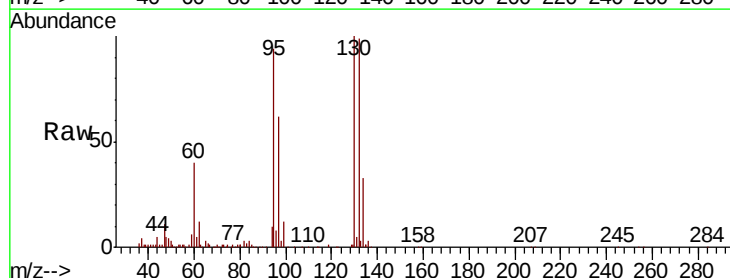
Acq: 11 Dec 2018 08:38

Tgt Ion:130 Resp: 42046

Ion Ratio Lower Upper

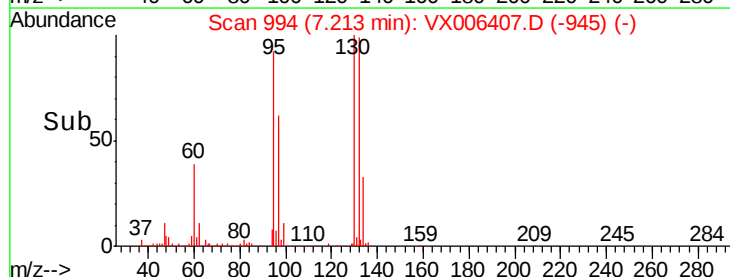
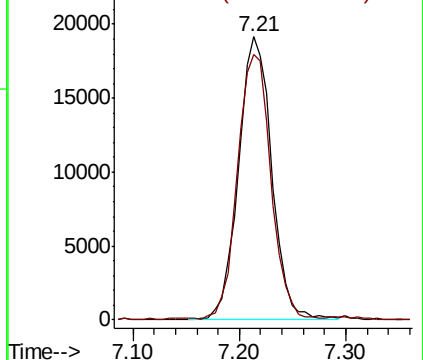
130 100

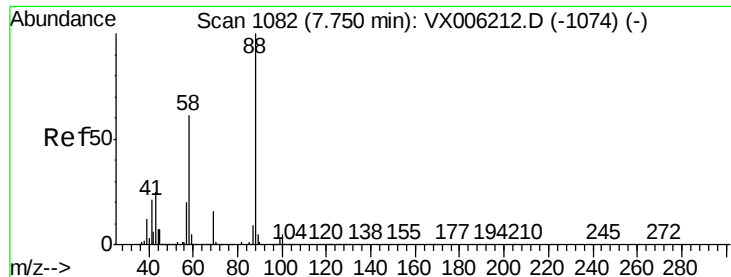
95 93.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

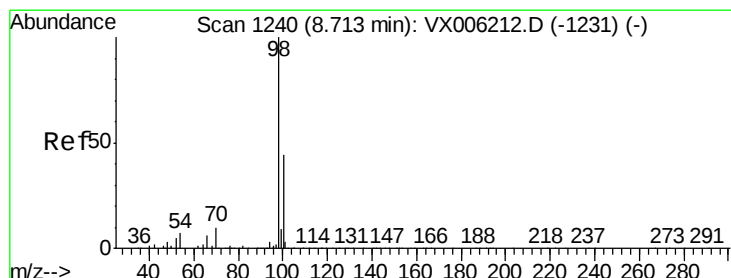
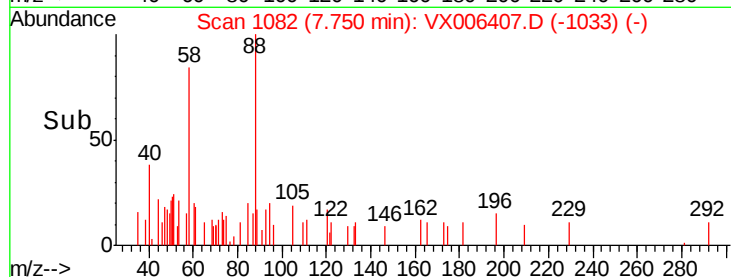
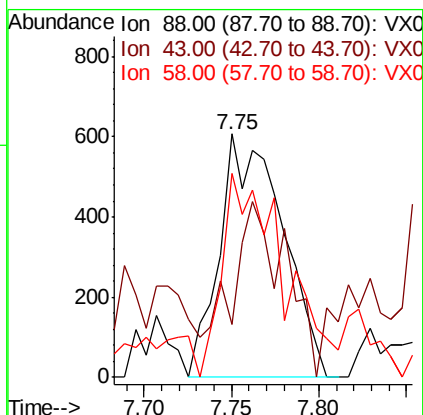
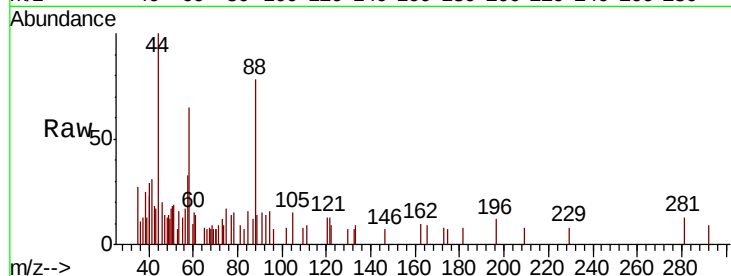




#49
1,4-Dioxane
Concen: 7.673 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006407.D
Acq: 11 Dec 2018 08:38

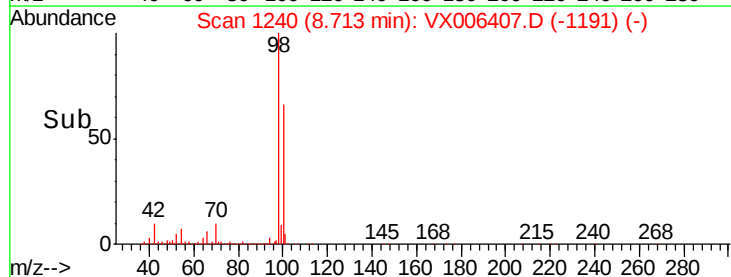
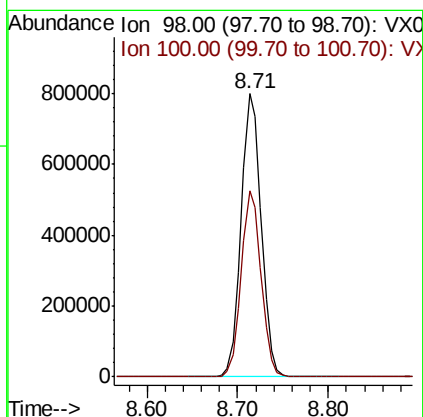
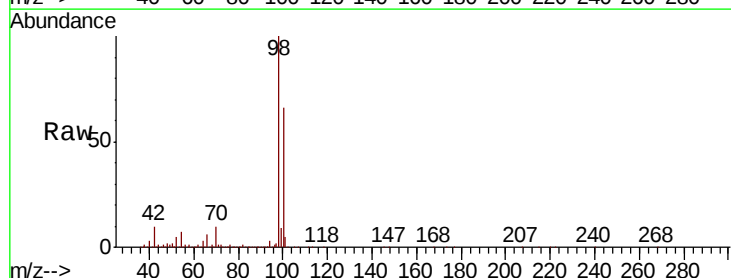
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20181207

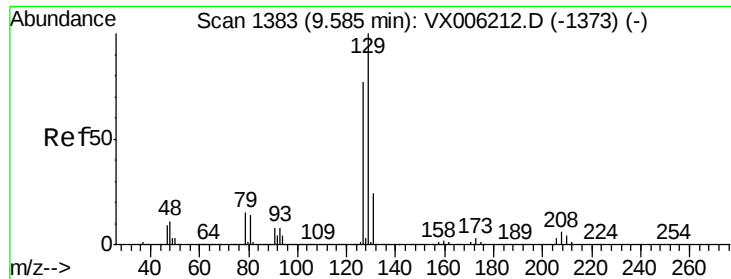
Tgt Ion: 88 Resp: 1516
Ion Ratio Lower Upper
88 100
43 63.0 23.2 34.8#
58 82.7 51.4 77.0#



#50
Toluene-d8
Concen: 49.725 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006407.D
Acq: 11 Dec 2018 08:38

Tgt Ion: 98 Resp: 1227351
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

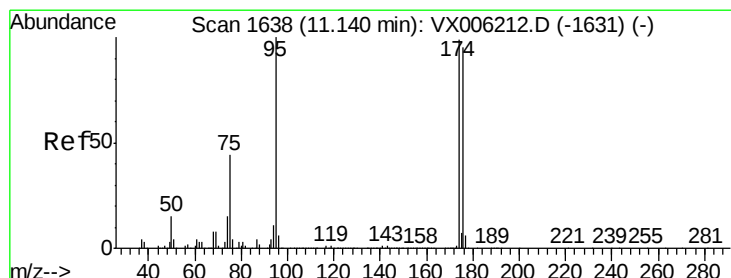
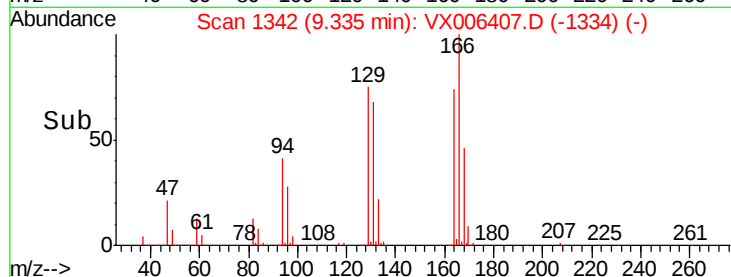
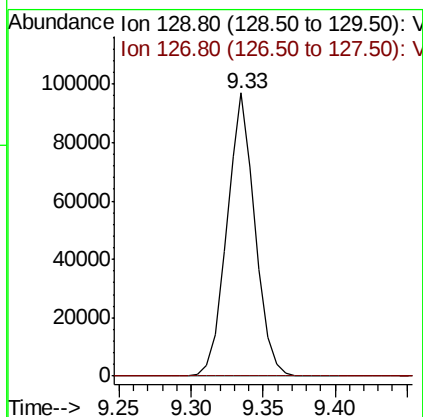
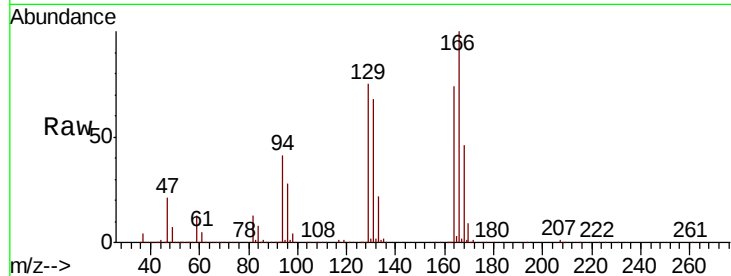




#60
 Dibromochloromethane
 Concen: 15.143 ug/l
 RT: 9.33 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX006407.D
 Acq: 11 Dec 2018 08:38

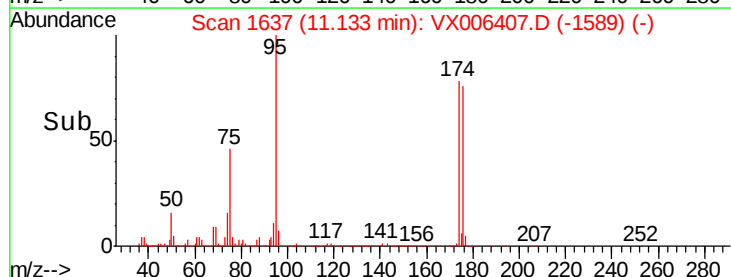
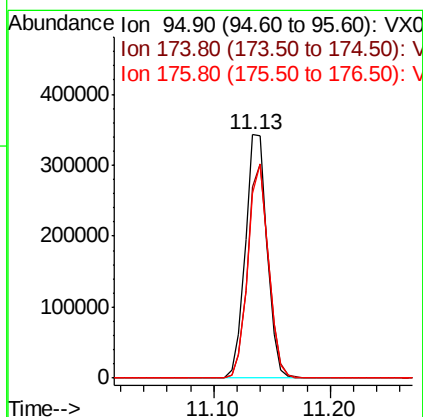
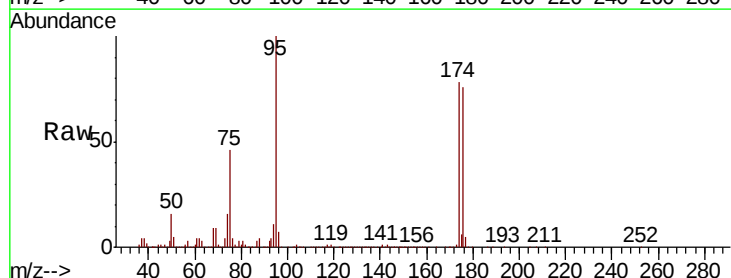
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20181207

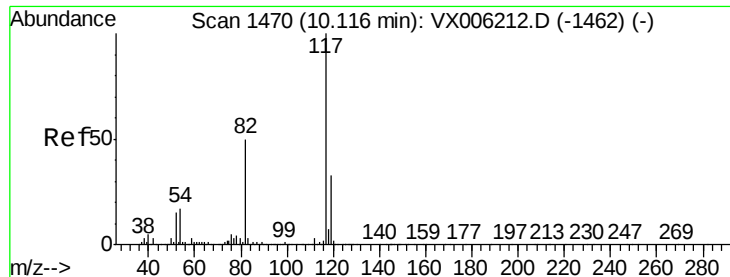
Tgt Ion: 129 Resp: 131920
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 48.260 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006407.D
 Acq: 11 Dec 2018 08:38

Tgt Ion: 95 Resp: 448874
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 187.0
 176 83.2 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20181207

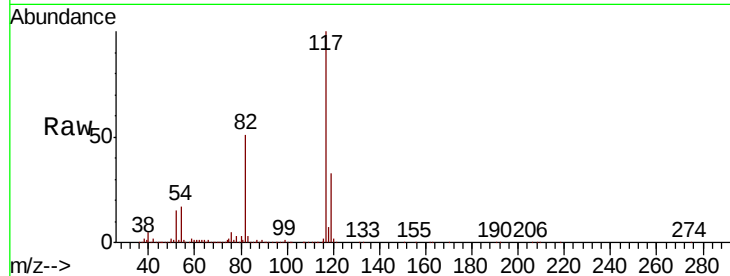
Tgt Ion:117 Resp: 947873

Ion Ratio Lower Upper

117 100

82 50.6 39.6 59.4

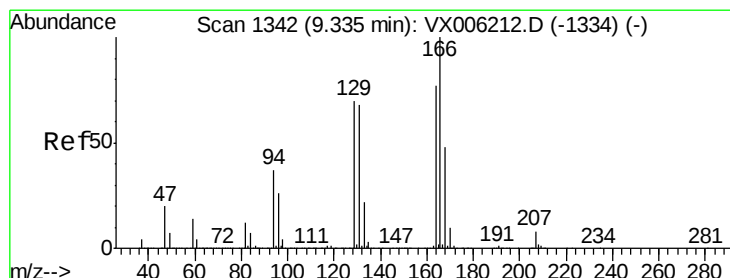
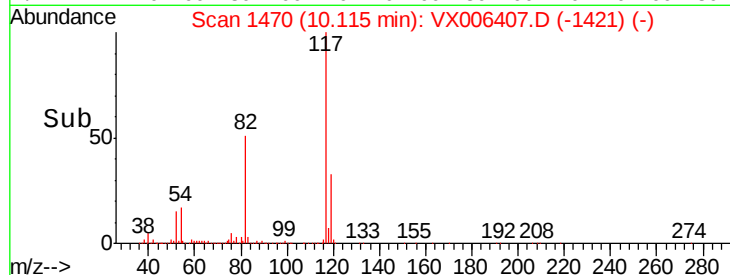
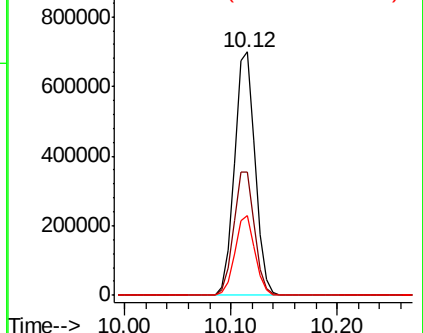
119 32.6 26.3 39.5



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: 19.484 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Tgt Ion:164 Resp: 139082

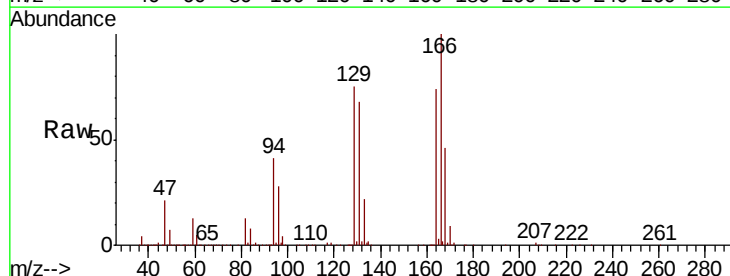
Ion Ratio Lower Upper

164 100

166 135.9 104.2 156.2

129 101.7 72.6 108.8

131 92.1 70.3 105.5

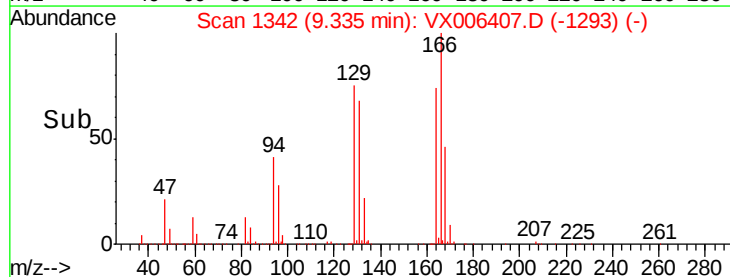
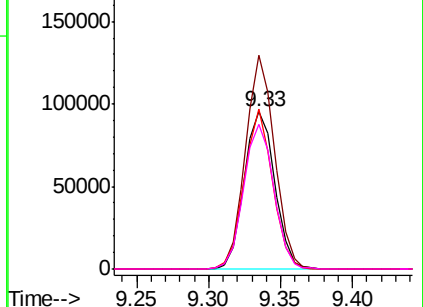


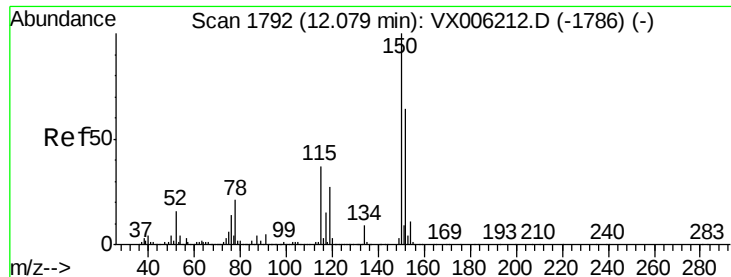
Abundance Ion 163.80 (163.50 to 164.50): V

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



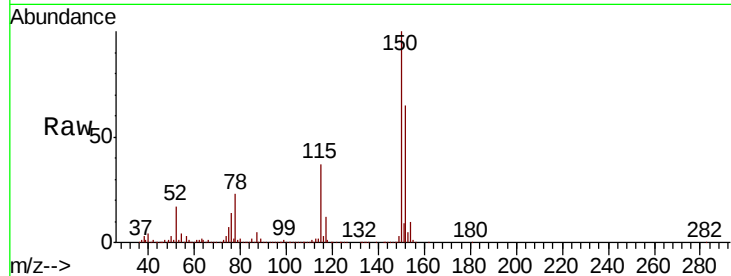


#72

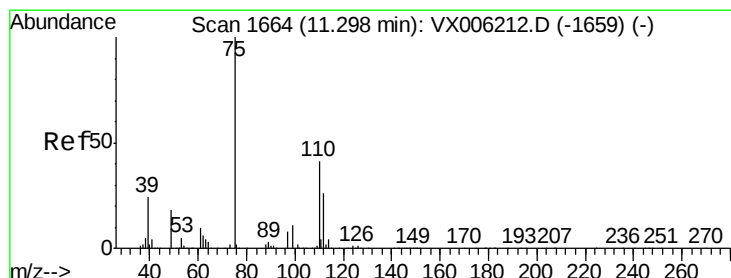
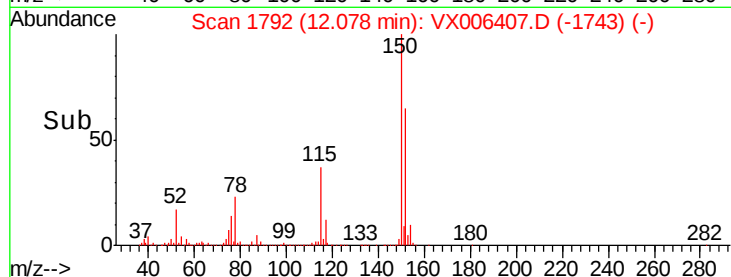
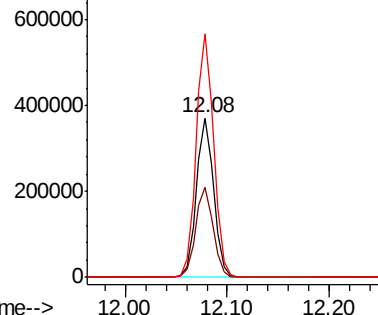
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006407.D
Acq: 11 Dec 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20181207

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	39.0	116.9
150	154.9	0.0	345.8



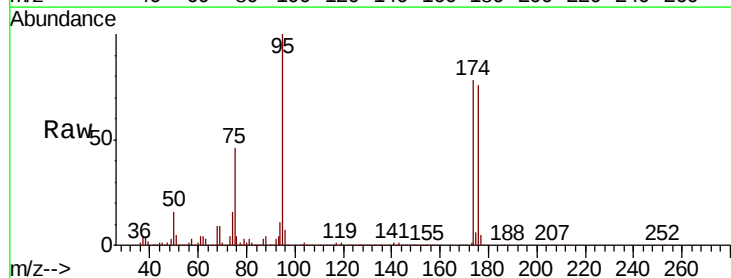
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



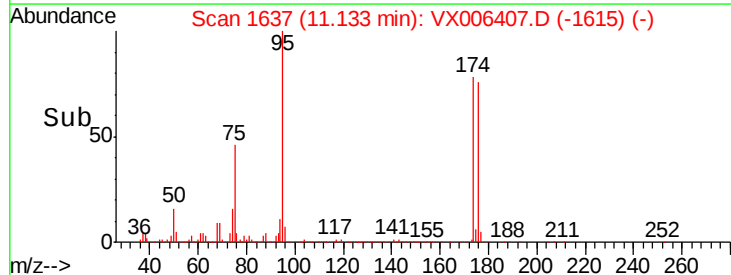
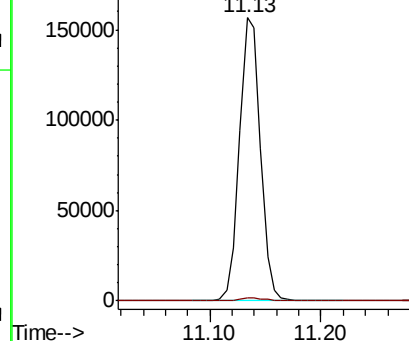
#76

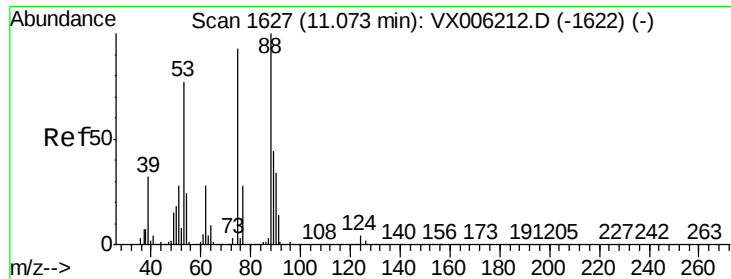
1,2,3-Trichloropropane
Concen: 24.183 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006407.D
Acq: 11 Dec 2018 08:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.9	59.7#



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: 56.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006407.D

Acq: 11 Dec 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I1-20181207

Tgt Ion: 75 Resp: 203990

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

