

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010169.D
 Acq On : 10 Jun 2019 11:52
 Operator : JC/SP
 Sample : K3221-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190605

Quant Time: Jun 11 02:35:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	448862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	397689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185941	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	130259	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
35) Dibromofluoromethane	5.50	113	137111	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	526290	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	179078	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

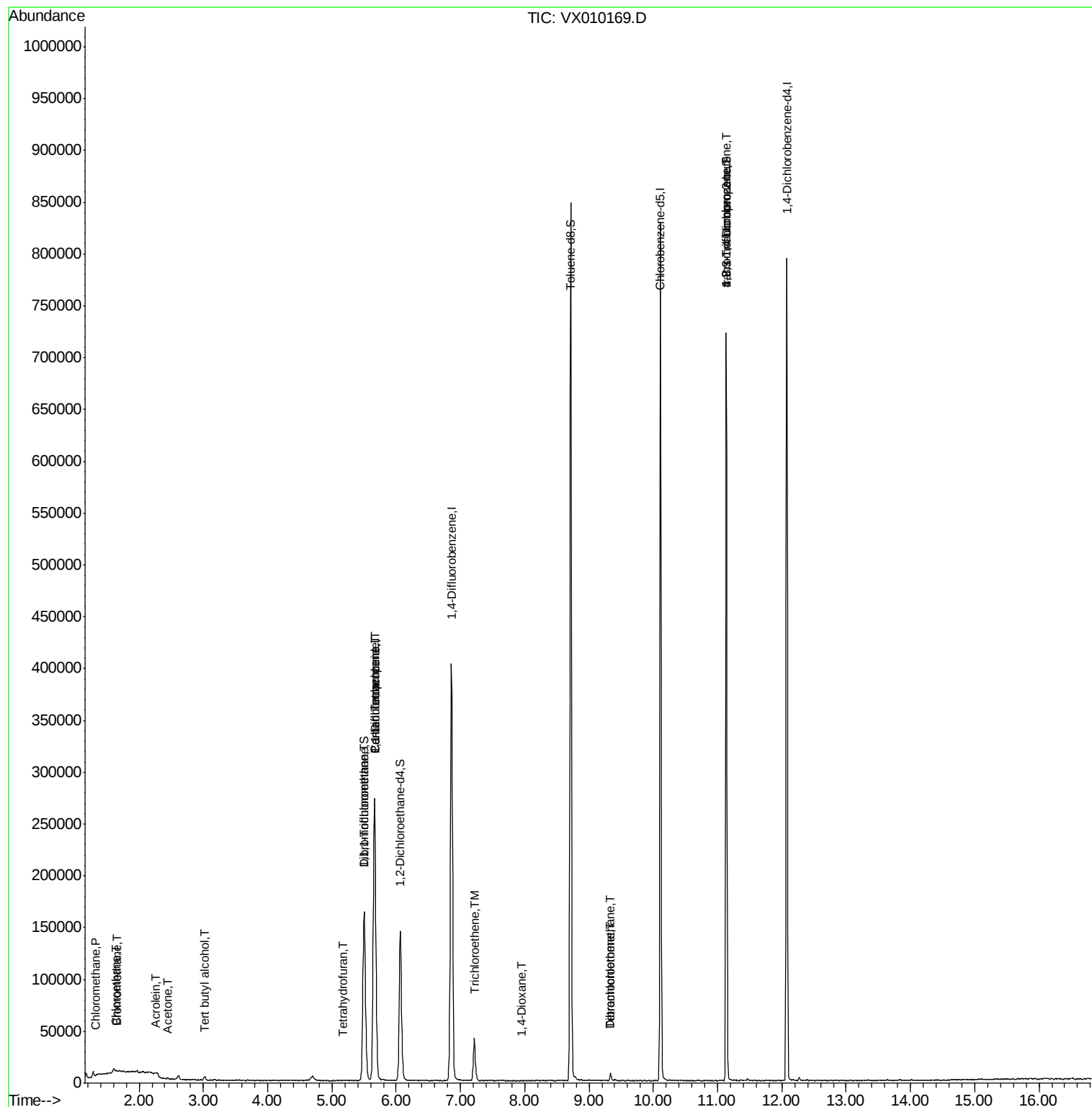
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	552	0.203	ug/l	98
5) Bromomethane	1.66	94	419	0.435	ug/l #	37
6) Chloroethane	1.64	64	1880	1.460	ug/l #	71
11) Tert butyl alcohol	3.02	59	1934	2.720	ug/l #	73
13) Acrolein	2.26	56	115	0.887	ug/l #	1
16) Acetone	2.45	43	817	0.598	ug/l	90
29) Tetrahydrofuran	5.17	42	327	0.256	ug/l #	45
32) 1,1,1-Trichloroethane	5.50	97	2609	0.571	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	16823	4.594	ug/l #	52
38) Carbon Tetrachloride	5.67	117	25024	6.037	ug/l #	15
44) Trichloroethene	7.21	130	16766	4.912	ug/l	86
49) 1,4-Dioxane	7.95	88	27	0.318	ug/l #	1
60) Dibromochloromethane	9.34	129	1209	0.335	ug/l #	11
64) Tetrachloroethene	9.34	164	1314	0.445	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	80967	21.770	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	80967	48.100	ug/l #	10

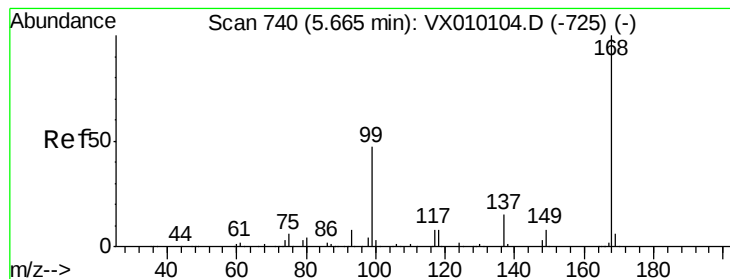
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\
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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

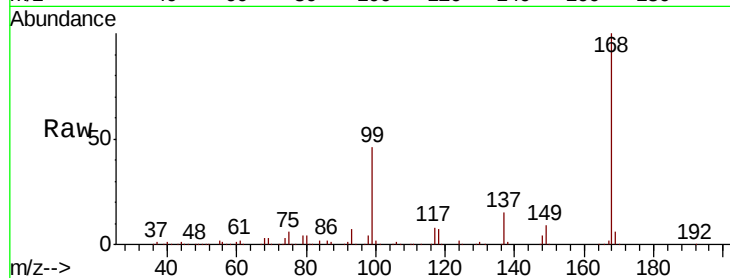
BPS1-TT-MW309S-20190605

Tot Ion:168 Resp: 297364

Ion Ratio Lower Upper

168 100

99 46.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

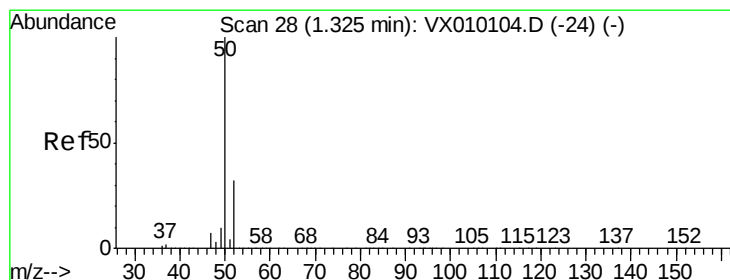
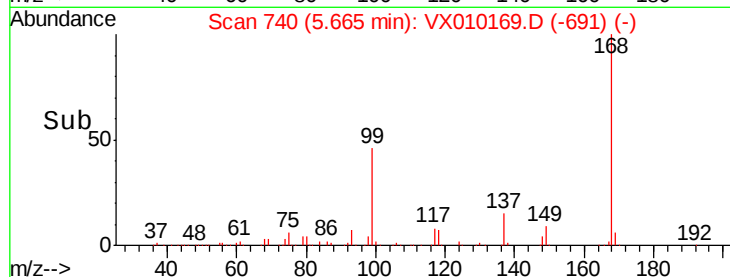
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010169.D

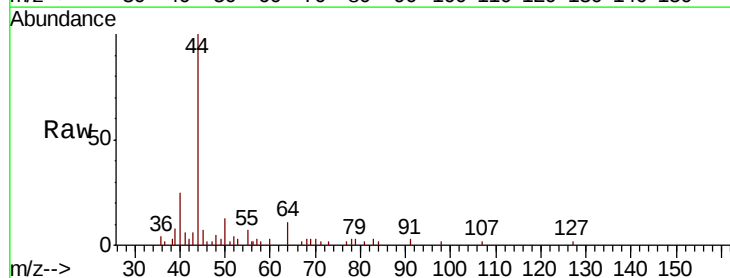
Acq: 10 Jun 2019 11:52

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

50 100

52 33.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

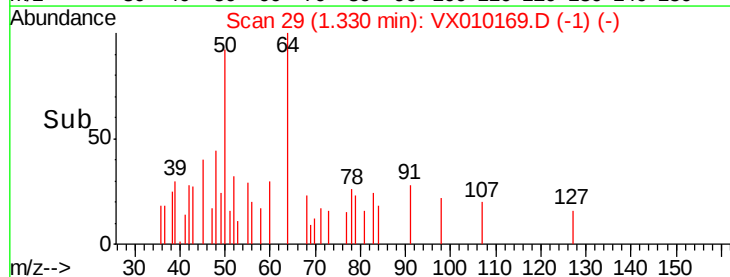
300

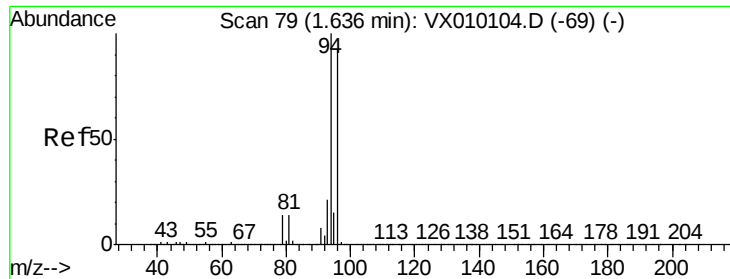
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.435 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

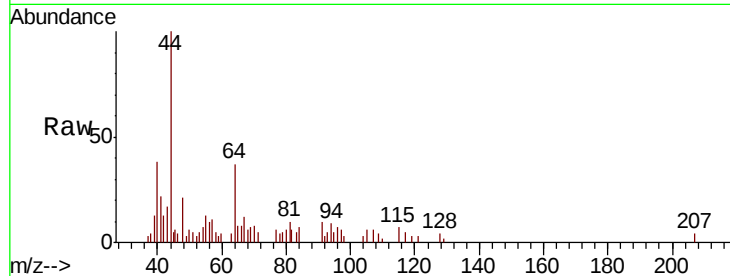
BPS1-TT-MW309S-20190605

Tot Ion: 94 Resp: 419

Ion Ratio Lower Upper

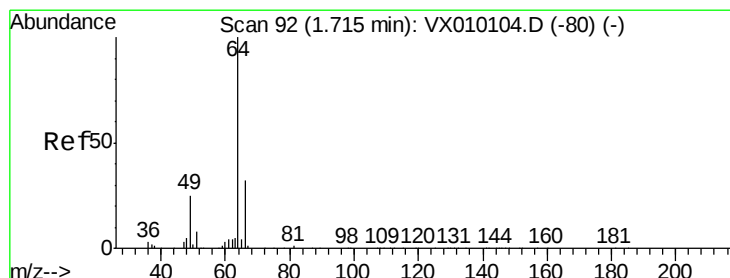
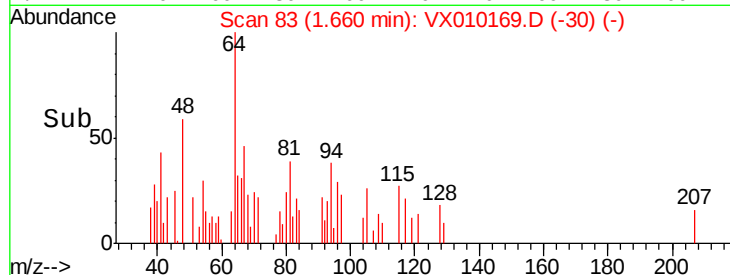
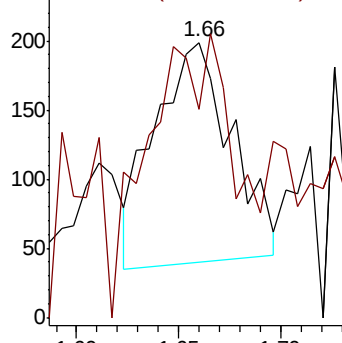
94 100

96 33.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.460 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010169.D

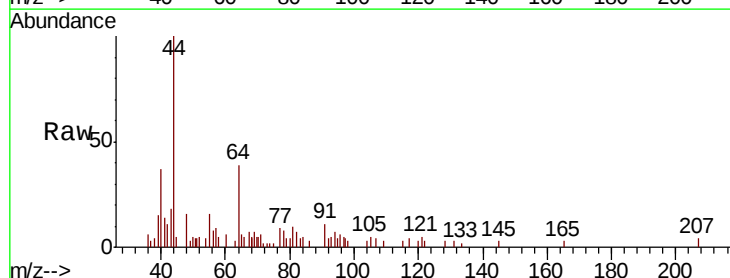
Acq: 10 Jun 2019 11:52

Tgt Ion: 64 Resp: 1880

Ion Ratio Lower Upper

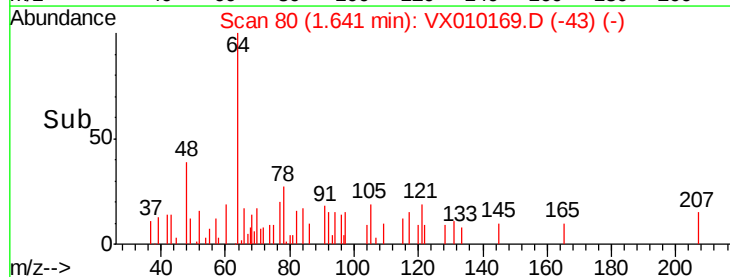
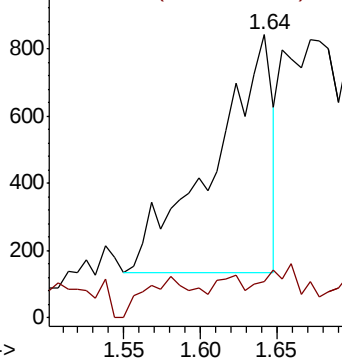
64 100

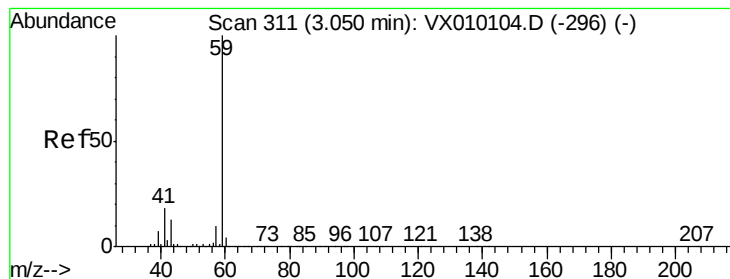
66 15.2 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



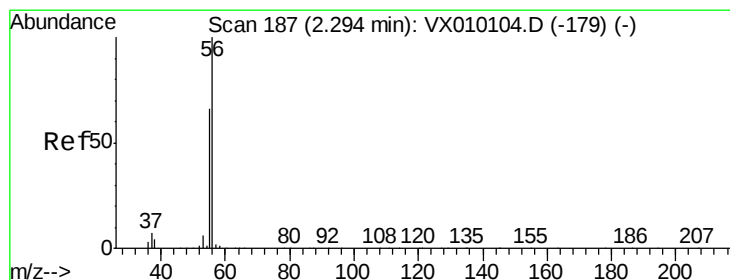
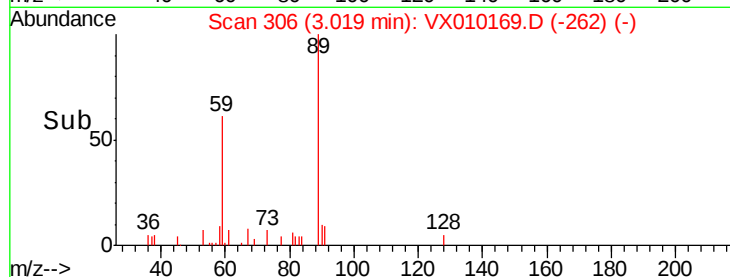
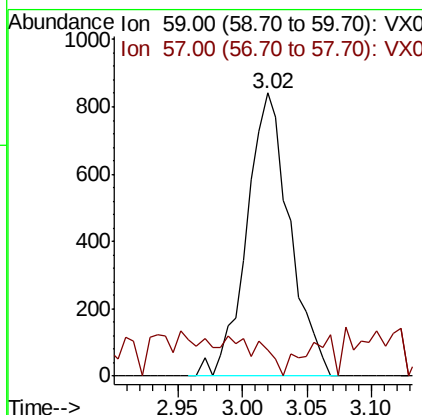
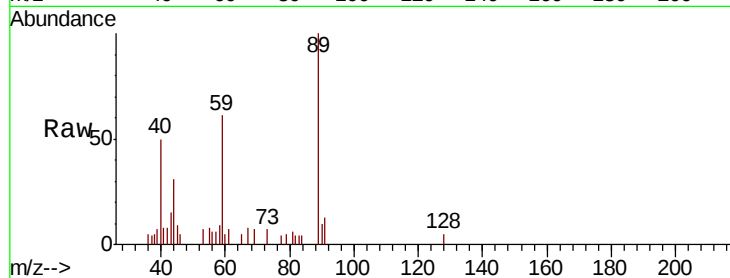


#11

Tert butyl alcohol
 Concen: 2.720 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190605

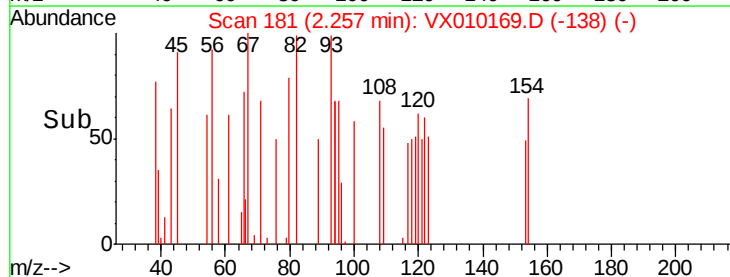
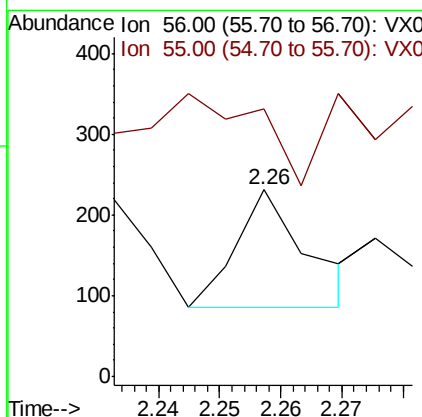
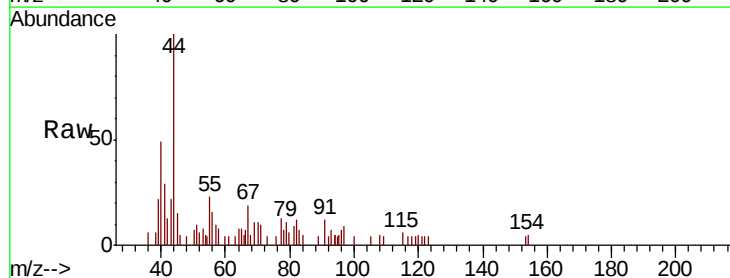
Tot Ion: 59 Resp: 1934
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

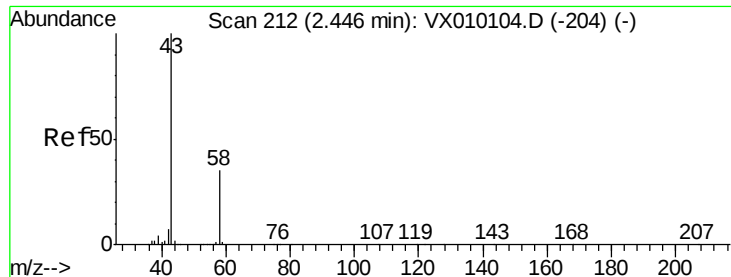


#13

Acrolein
 Concen: 0.887 ug/l
 RT: 2.26 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

Tgt Ion: 56 Resp: 115
 Ion Ratio Lower Upper
 56 100
 55 299.1 57.0 85.4#

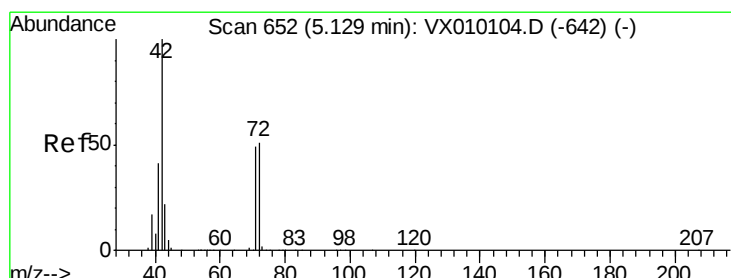
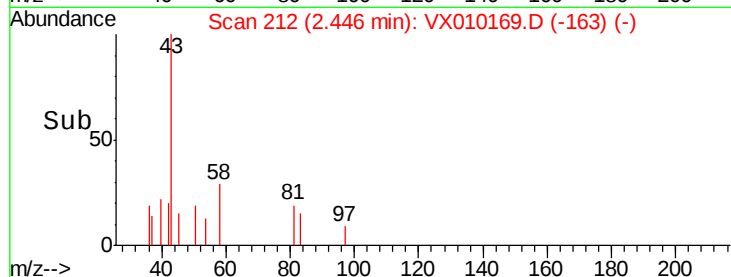
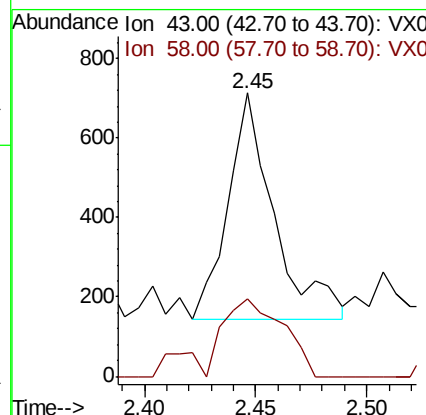
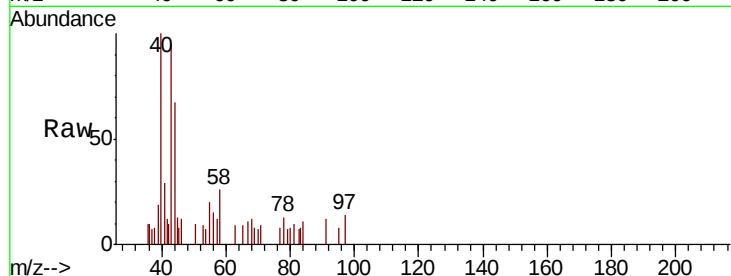




#16
Acetone
Concen: 0.598 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

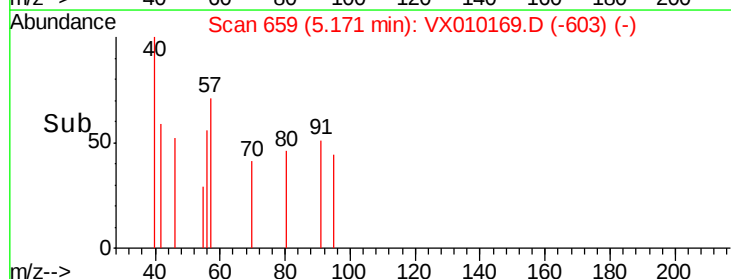
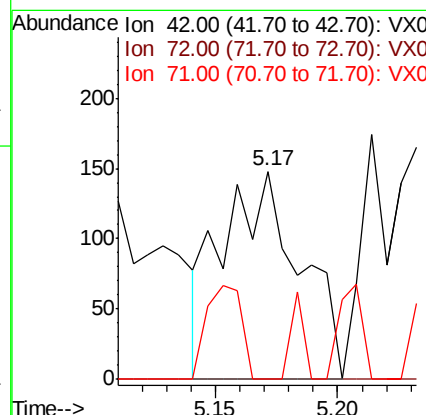
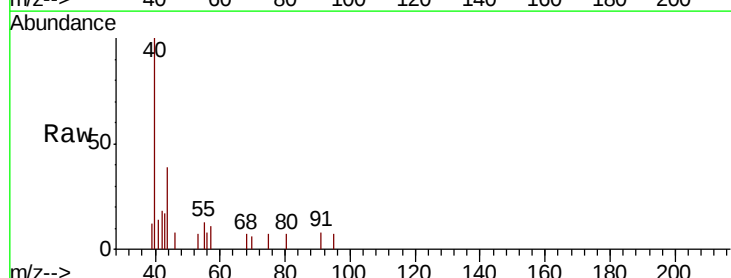
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190605

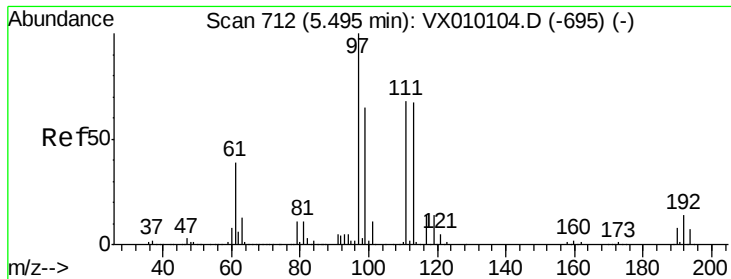
Tot Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 34.4 23.2 34.8



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.04 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 0.0 29.2 43.8#
71 7.0 27.6 41.4#





#32

1,1,1-Trichloroethane

Concen: 0.571 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

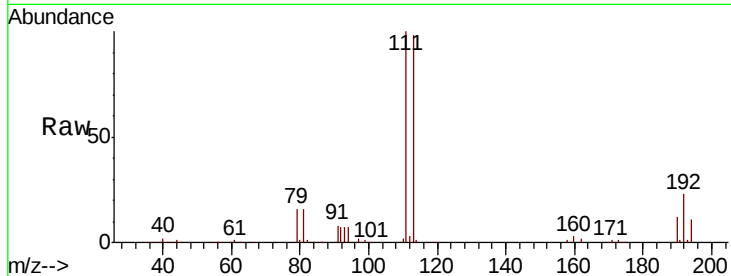
Tot Ion: 97 Resp: 2609

Ion Ratio Lower Upper

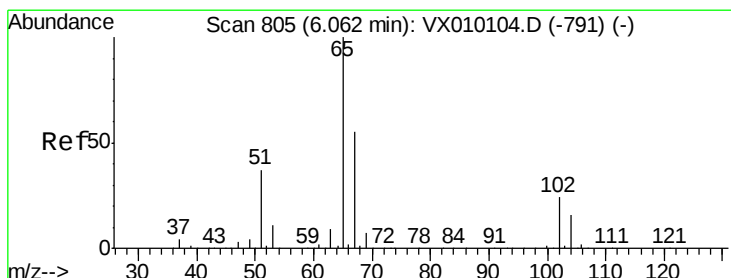
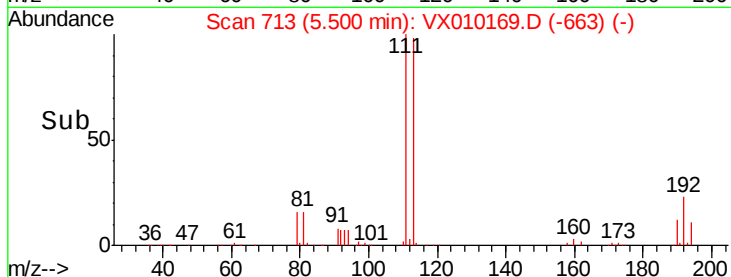
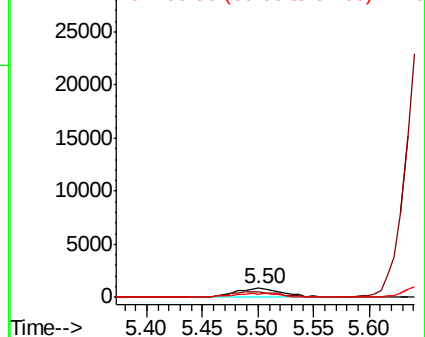
97 100

99 0.0 51.0 76.4#

61 39.4 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.876 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010169.D

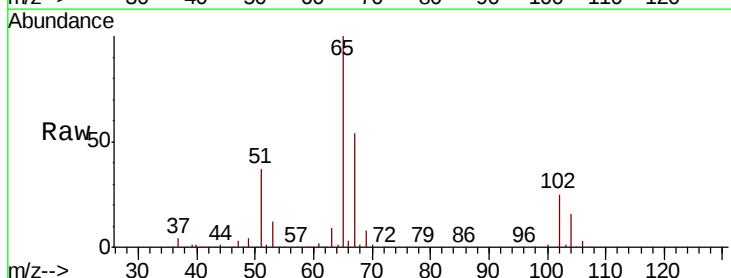
Acq: 10 Jun 2019 11:52

Tgt Ion: 65 Resp: 130259

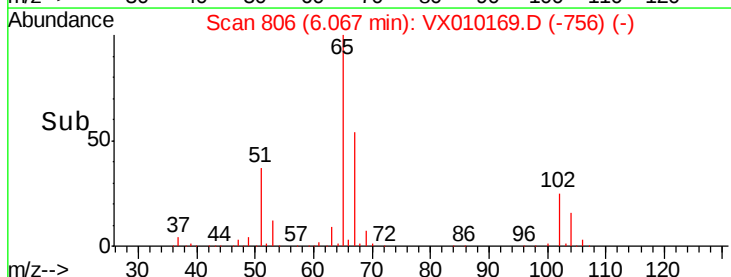
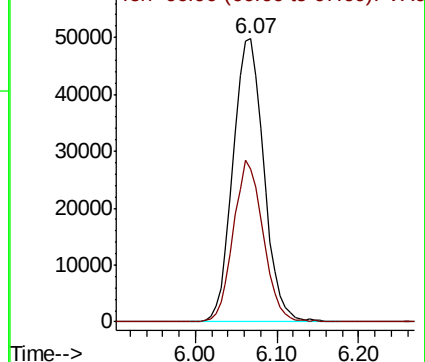
Ion Ratio Lower Upper

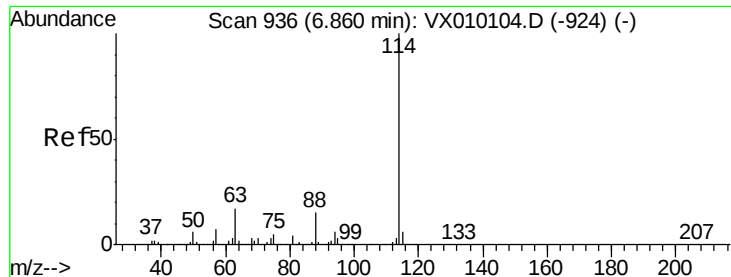
65 100

67 55.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

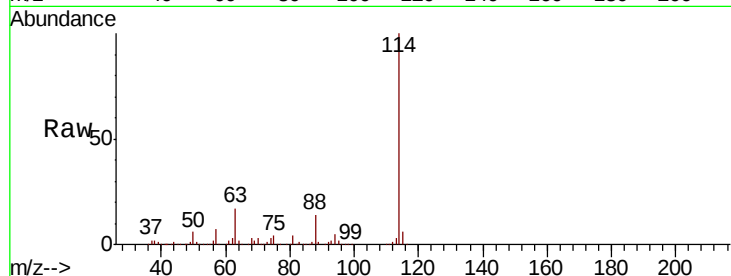
Tot Ion:114 Resp: 448862

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

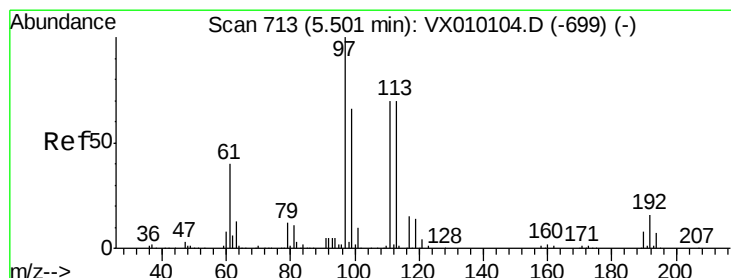
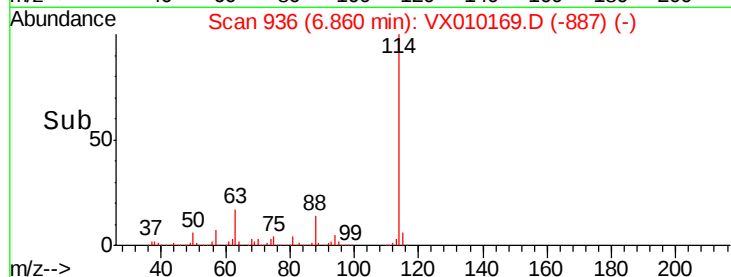
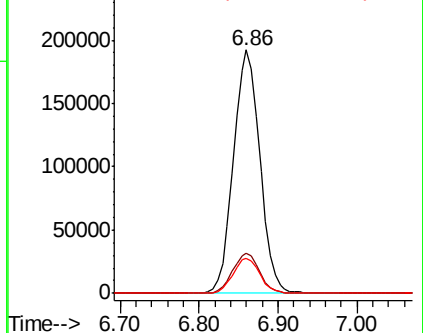
88 14.3 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 49.522 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

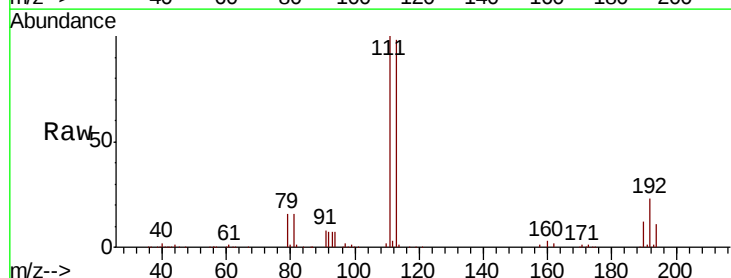
Tgt Ion:113 Resp: 137111

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

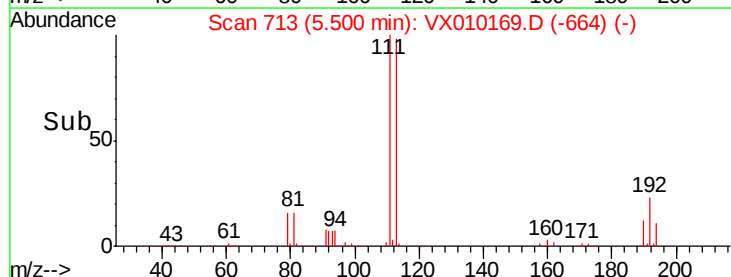
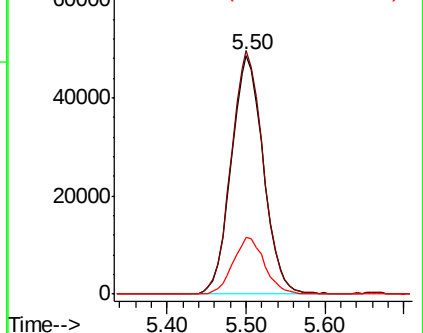
192 23.4 17.1 25.7

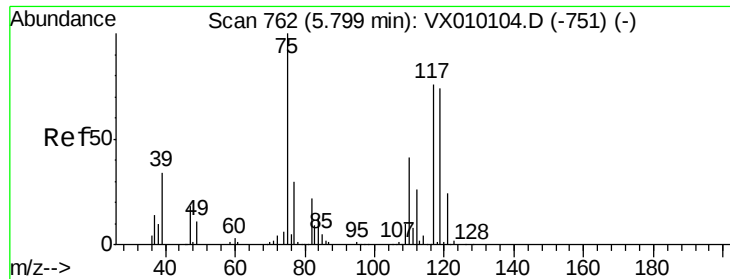


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

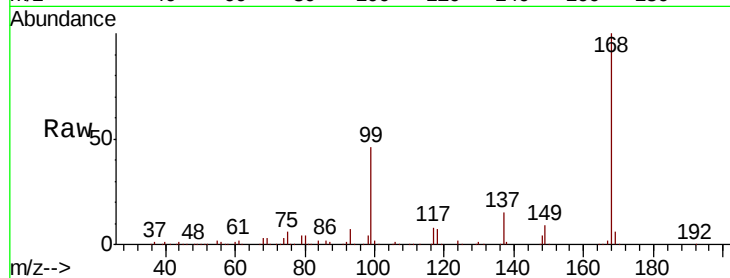




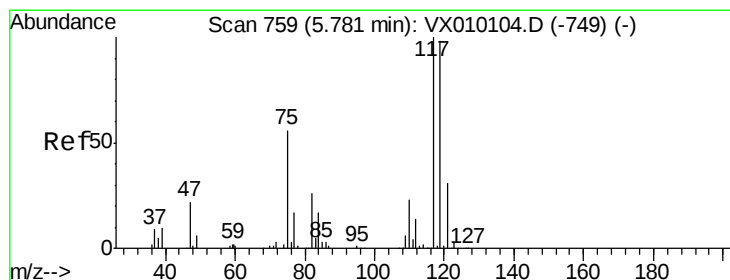
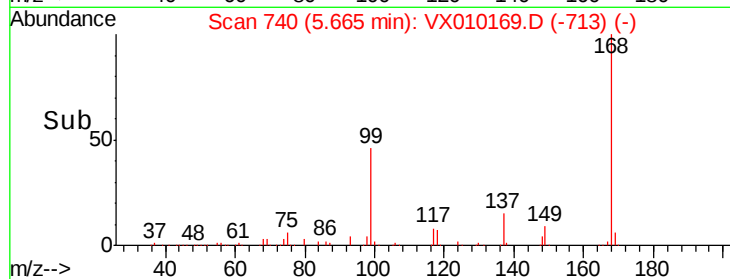
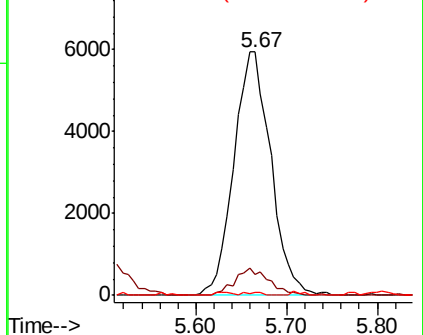
#36
 1,1-Dichloropropene
 Concen: 4.594 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

Instrument :
 MSVOA_X
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 BPS1-TT-MW309S-20190605

Tot Ion: 75 Resp: 16823
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.7 50.1#
 77 0.6 25.0 37.4#

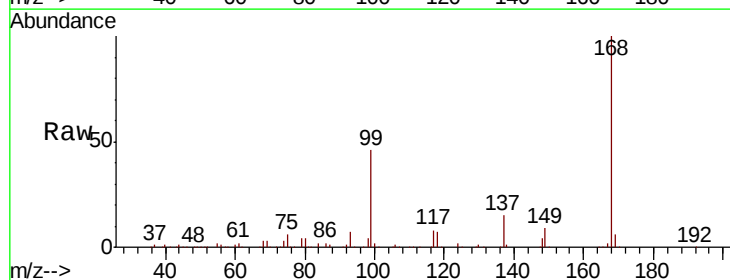


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

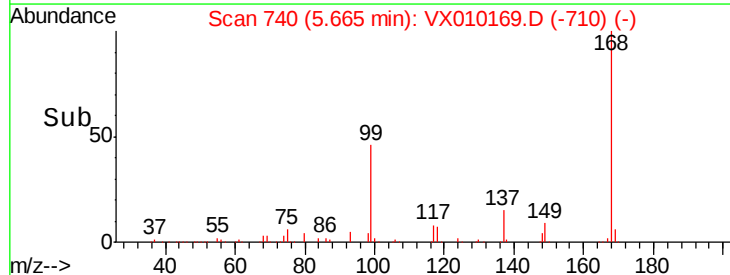
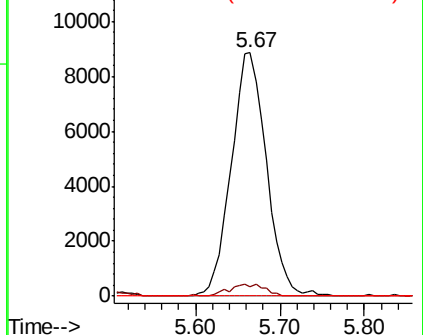


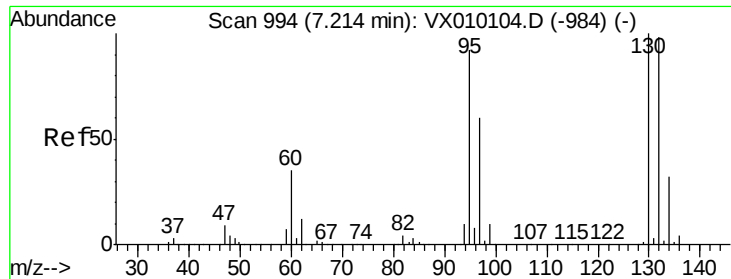
#38
 Carbon Tetrachloride
 Concen: 6.037 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

Tgt Ion: 117 Resp: 25024
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.3 115.9#
 121 0.0 25.4 38.0#



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

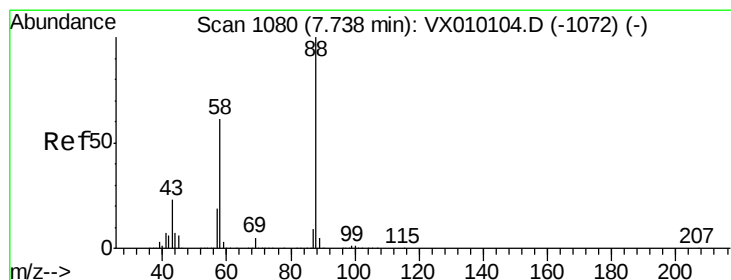
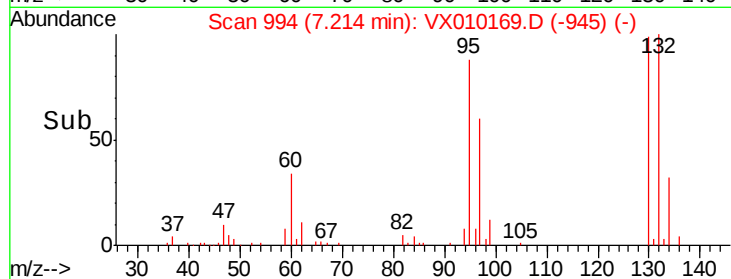
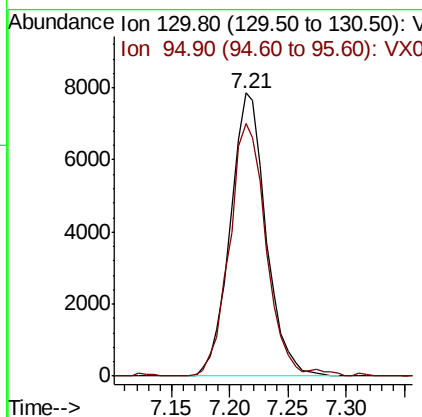
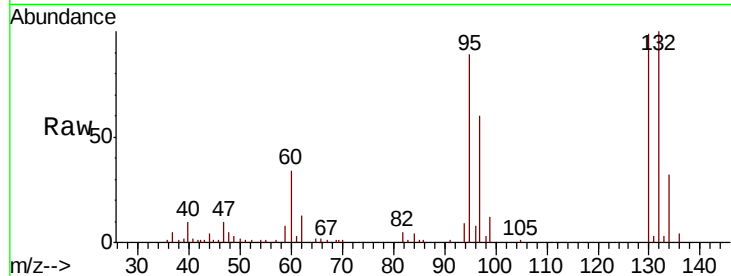




#44
 Trichloroethene
 Concen: 4.912 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

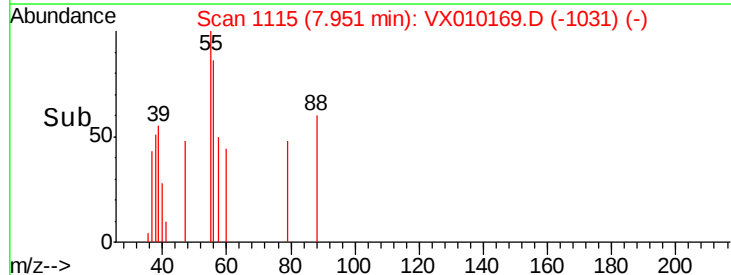
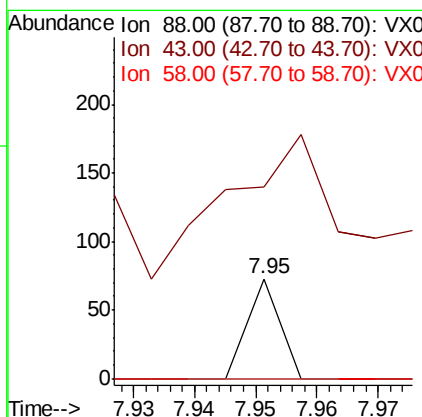
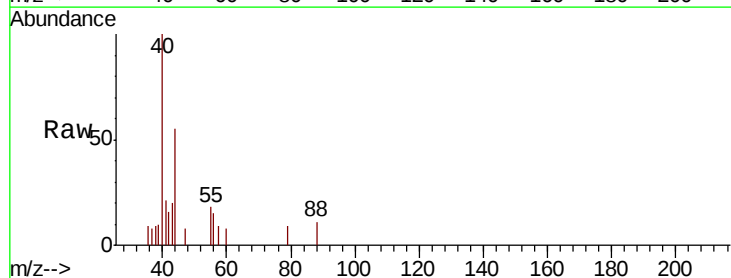
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190605

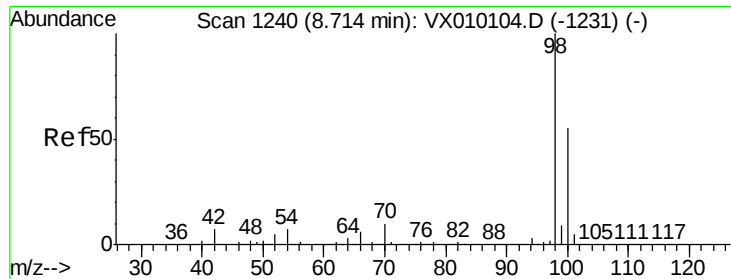
Tot Ion:130 Resp: 16766
 Ion Ratio Lower Upper
 130 100
 95 89.2 0.0 207.4



#49
 1,4-Dioxane
 Concen: 0.318 ug/l
 RT: 7.95 min Scan# 1115
 Delta R.T. 0.21 min
 Lab File: VX010169.D
 Acq: 10 Jun 2019 11:52

Tgt Ion: 88 Resp: 27
 Ion Ratio Lower Upper
 88 100
 43 459.3 30.2 45.4#
 58 0.0 64.0 96.0#

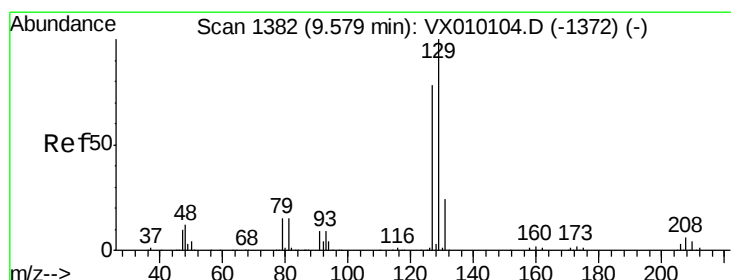
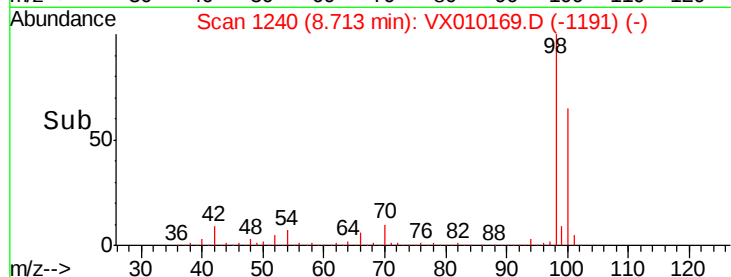
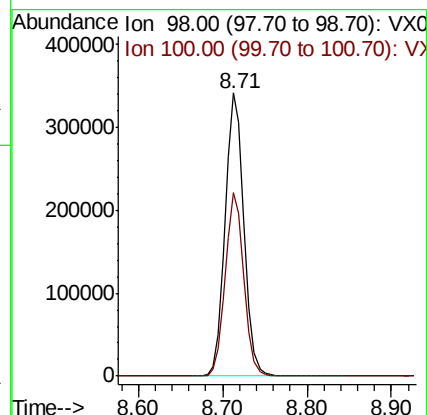
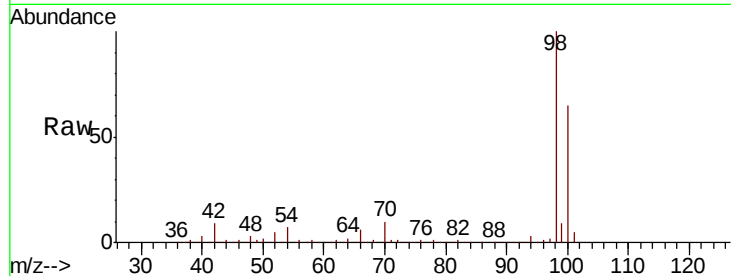




#50
Toluene-d8
Concen: 50.719 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

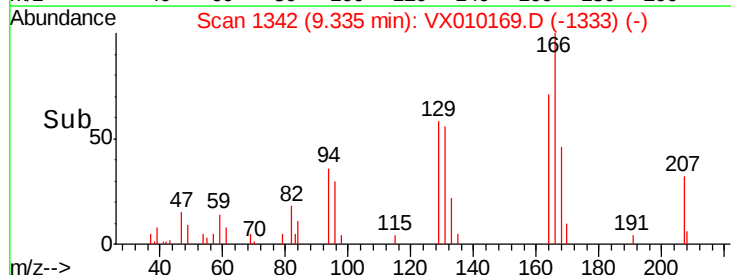
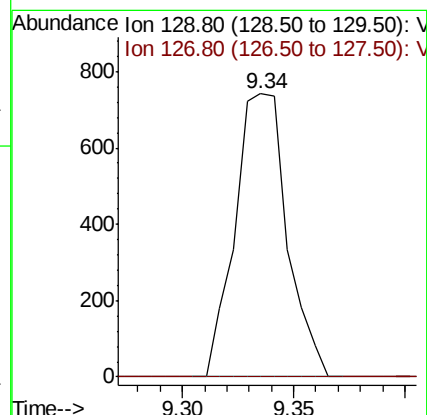
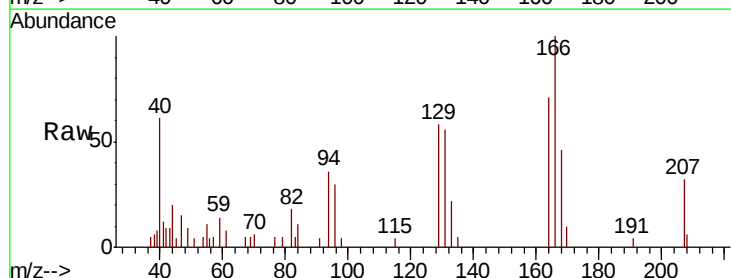
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190605

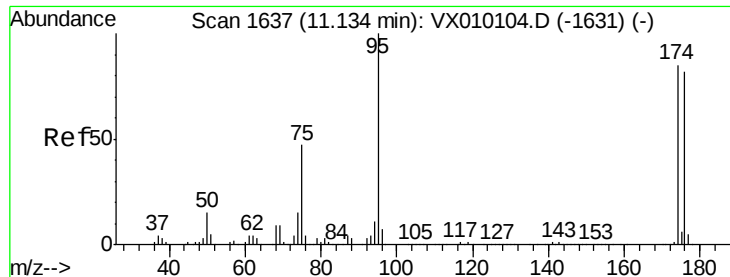
Tot Ion: 98 Resp: 526290
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#60
Dibromochloromethane
Concen: 0.335 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

Tgt Ion:129 Resp: 1209
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 46.211 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190605

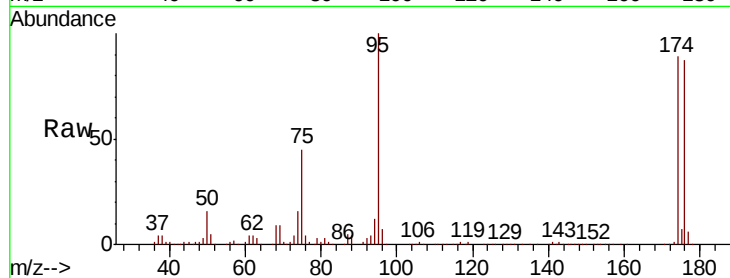
Tot Ion: 95 Resp: 179078

Ion Ratio Lower Upper

95 100

174 93.8 0.0 160.4

176 91.5 0.0 154.6

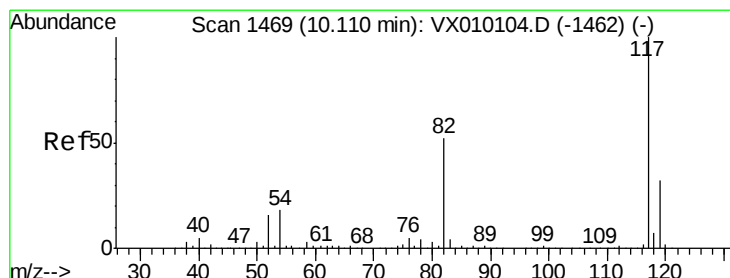
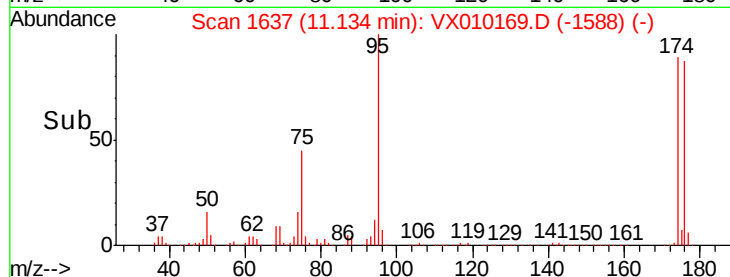
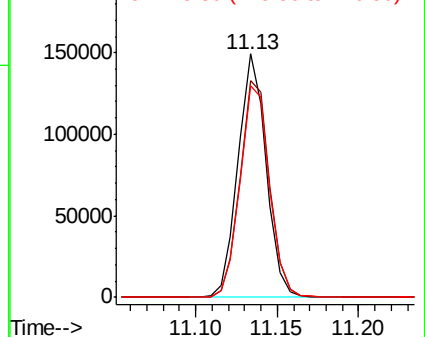


Abundance

Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

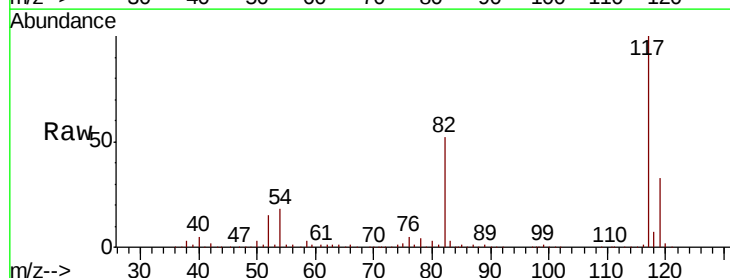
Tgt Ion: 117 Resp: 397689

Ion Ratio Lower Upper

117 100

82 51.8 49.2 73.8

119 32.9 25.2 37.8

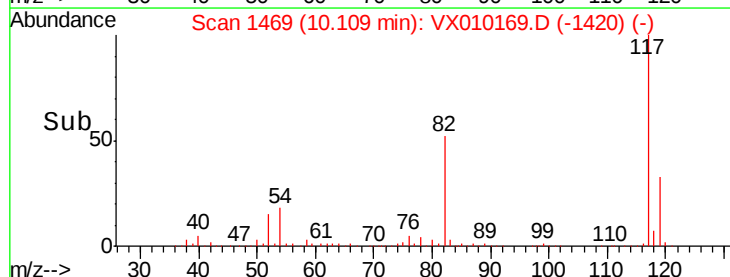
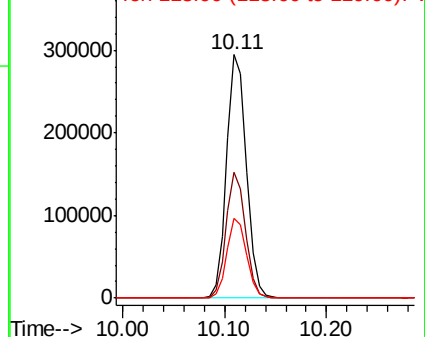


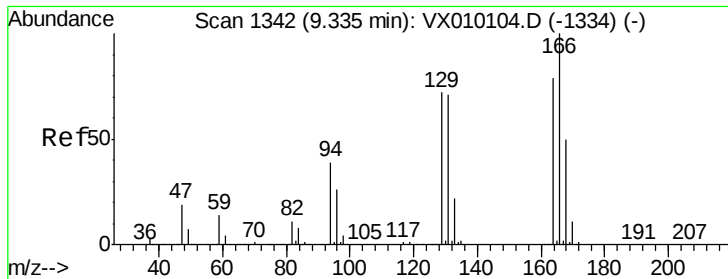
Abundance

Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

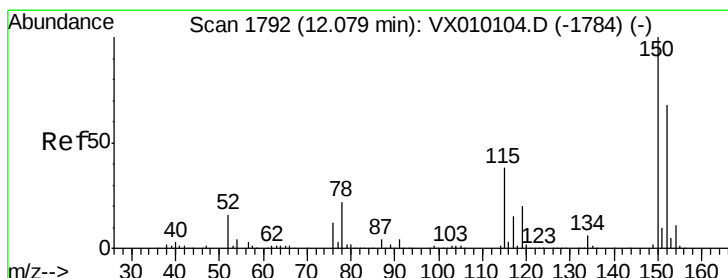
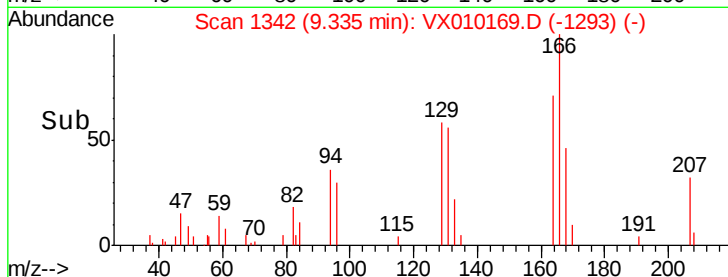
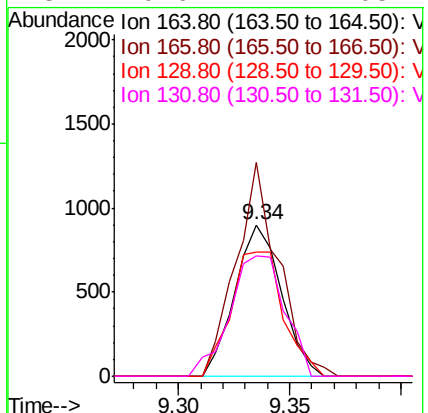
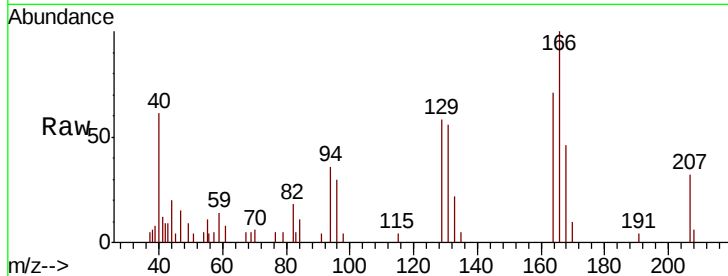




#64
Tetrachloroethene
Concen: 0.445 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

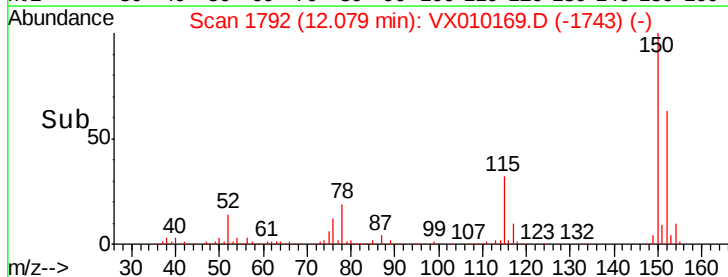
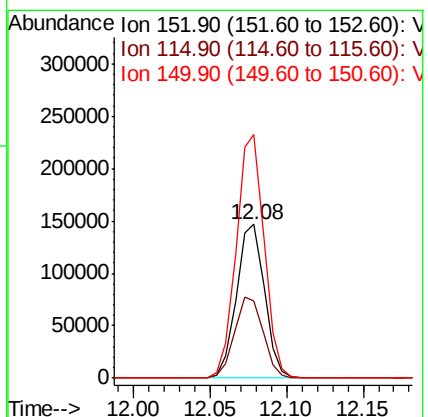
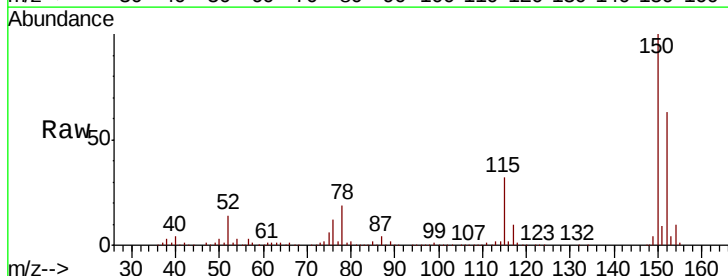
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190605

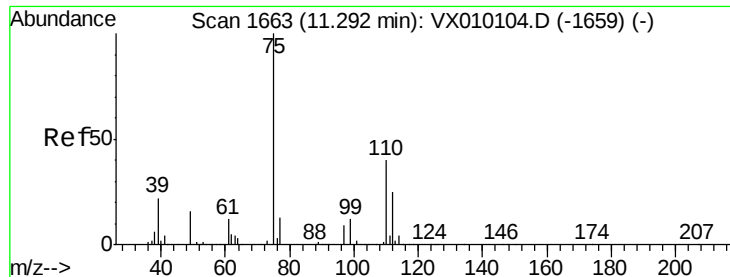
Tot Ion:164 Resp: 1314
Ion Ratio Lower Upper
164 100
166 141.0 105.0 157.4
129 82.4 75.1 112.7
131 79.6 72.2 108.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010169.D
Acq: 10 Jun 2019 11:52

Tgt Ion:152 Resp: 185941
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 157.7 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 21.770 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

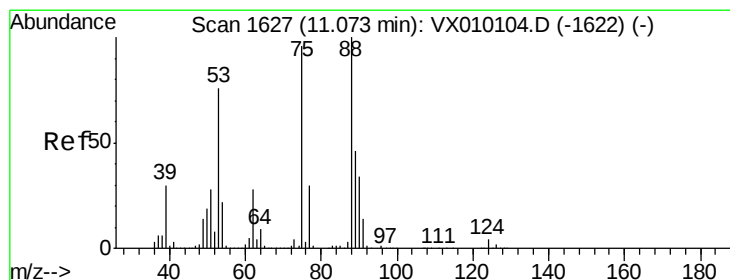
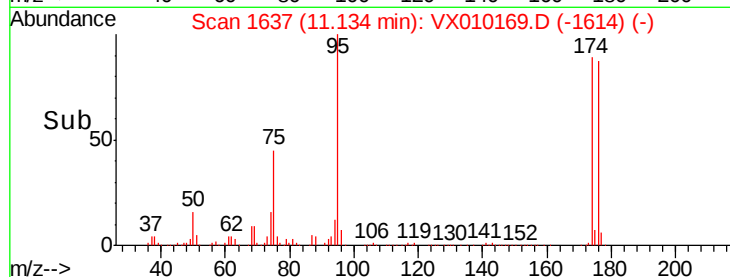
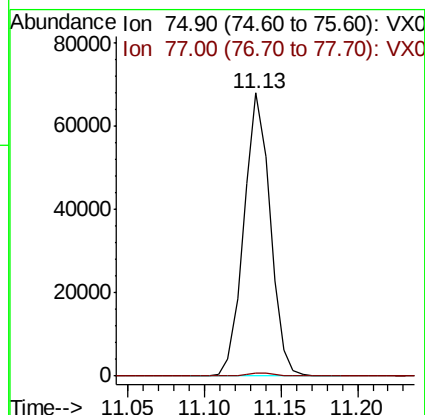
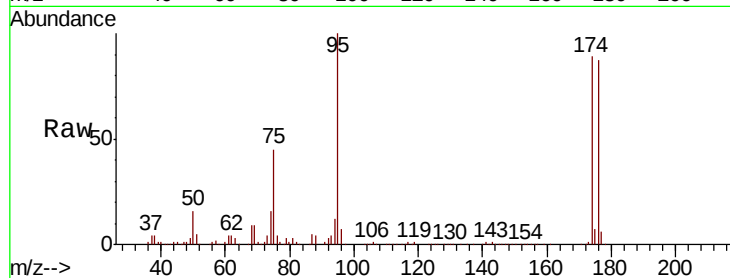
BPS1-TT-MW309S-20190605

Tot Ion: 75 Resp: 80967

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010169.D

Acq: 10 Jun 2019 11:52

Tgt Ion: 75 Resp: 80967

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

