

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010118.D
 Acq On : 07 Jun 2019 19:00
 Operator : JC/SP
 Sample : K3221-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW314I-20190605

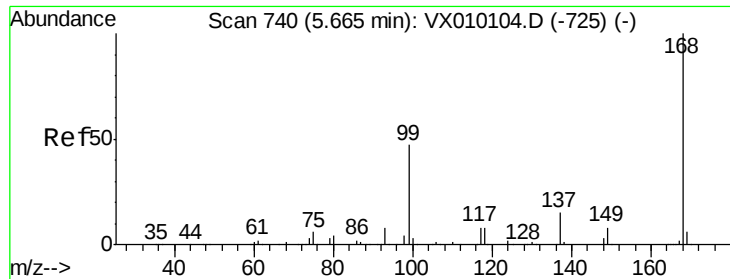
Quant Time: Jun 08 02:23:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	321157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	487457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	437685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	150512	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	5.50	113	151789	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	567678	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	200323	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	430	0.413	ug/l #	59
6) Chloroethane	1.64	64	590	0.424	ug/l #	71
10) Methyl Iodide	2.51	142	1129	0.258	ug/l #	95
11) Tert butyl alcohol	3.01	59	1853	2.413	ug/l #	81
12) 1,1-Dichloroethene	2.37	96	802	0.278	ug/l #	20
13) Acrolein	2.32	56	55	0.393	ug/l #	14
16) Acetone	2.44	43	4420	2.998	ug/l	93
17) Carbon Disulfide	2.57	76	2550	0.306	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	19772	4.972	ug/l #	53
38) Carbon Tetrachloride	5.66	117	27589	6.129	ug/l #	15
49) 1,4-Dioxane	7.78	88	137	1.485	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	91320	22.788	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	91320	50.349	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

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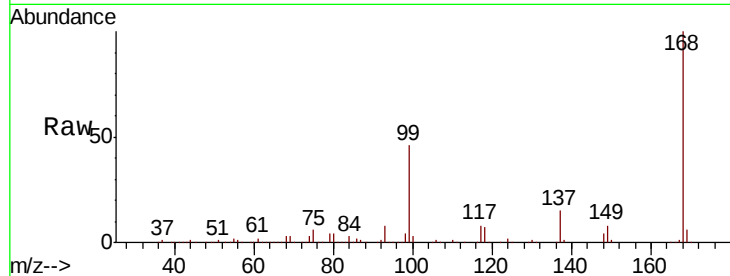
BPS1-TT-MW314I-20190605

Tot Ion:168 Resp: 321157

Ion Ratio Lower Upper

168 100

99 46.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

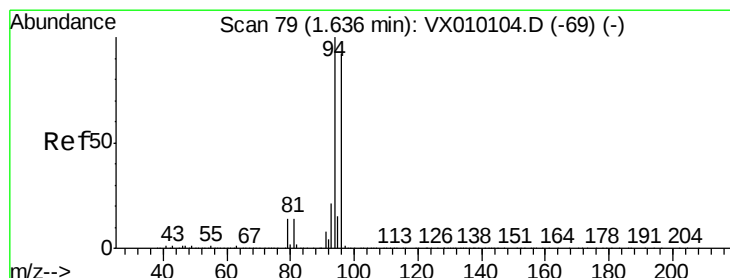
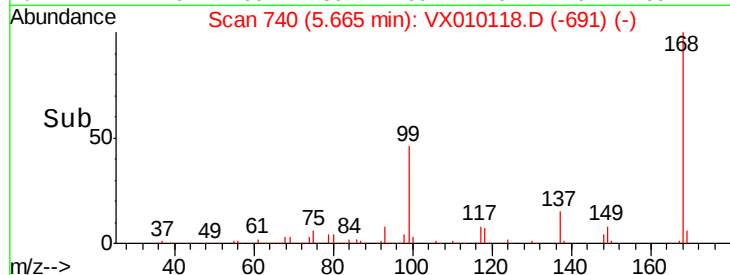
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.413 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010118.D

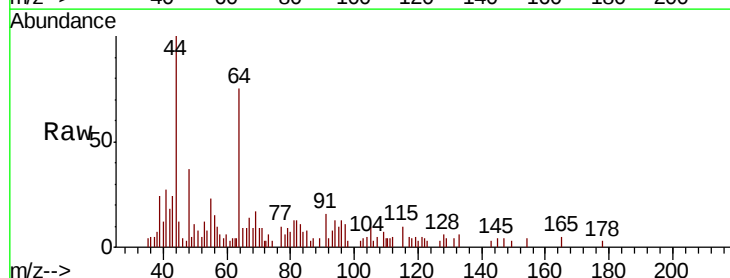
Acq: 07 Jun 2019 19:00

Tgt Ion: 94 Resp: 430

Ion Ratio Lower Upper

94 100

96 55.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

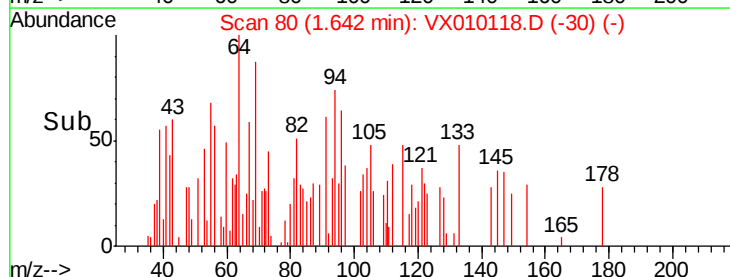
300

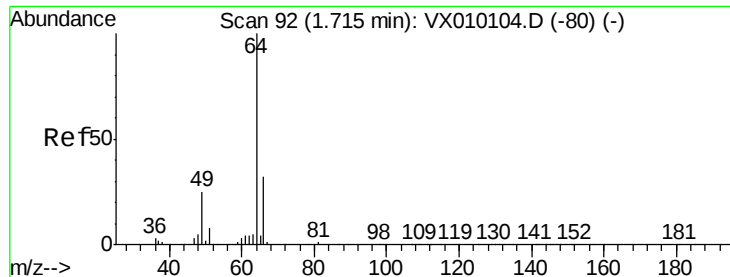
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.424 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

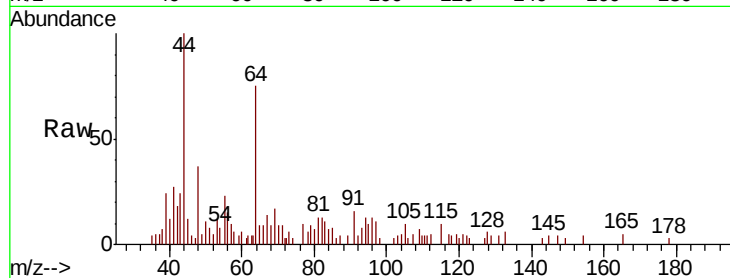
BPS1-TT-MW314I-20190605

Tot Ion: 64 Resp: 590

Ion Ratio Lower Upper

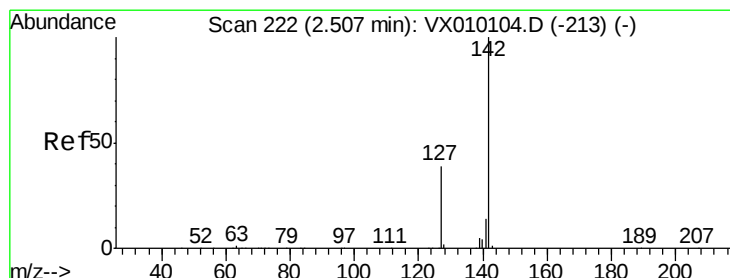
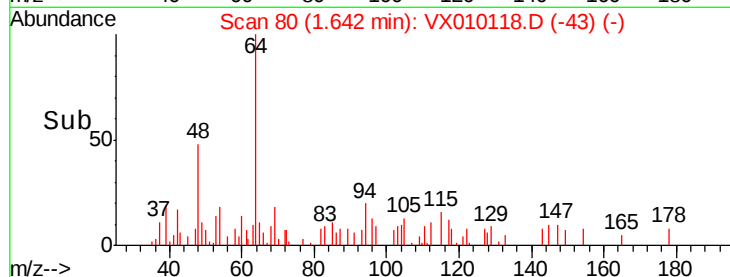
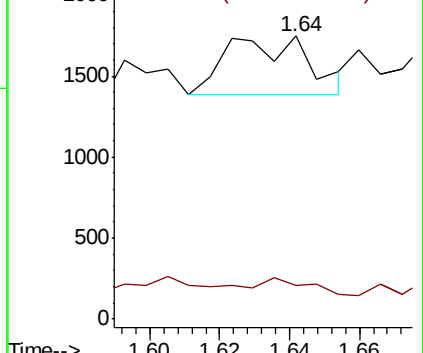
64 100

66 15.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.258 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

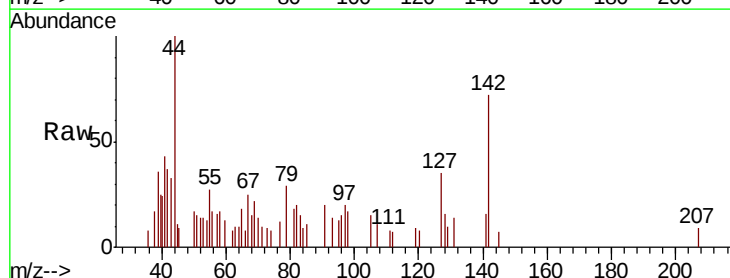
Tgt Ion: 142 Resp: 1129

Ion Ratio Lower Upper

142 100

127 39.8 33.0 49.4

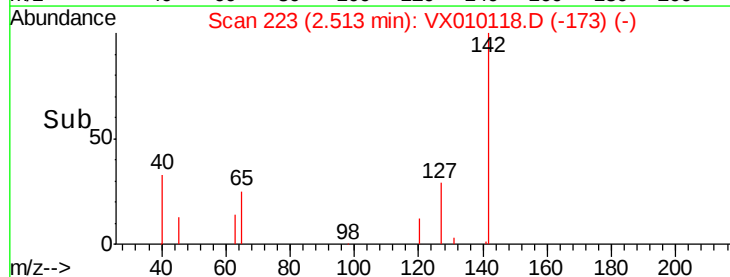
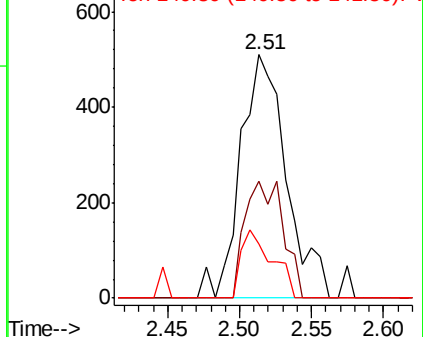
141 18.9 11.4 17.0#

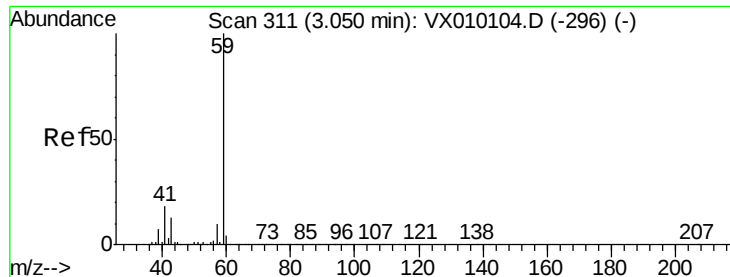


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



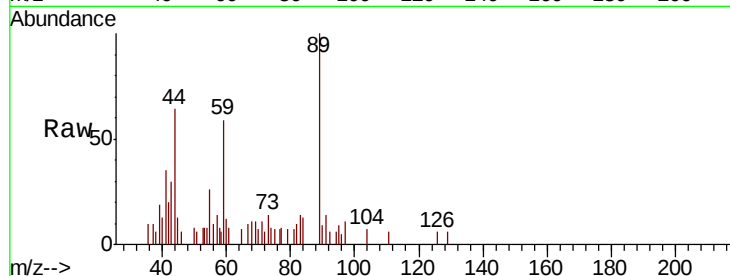


#11

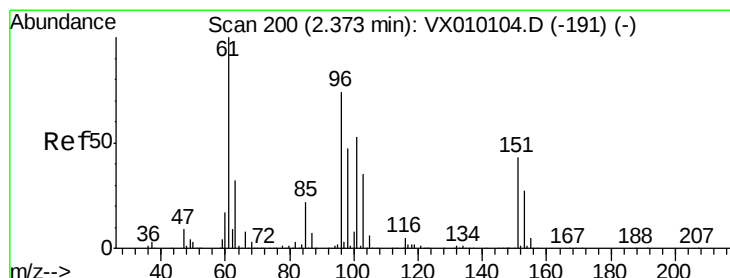
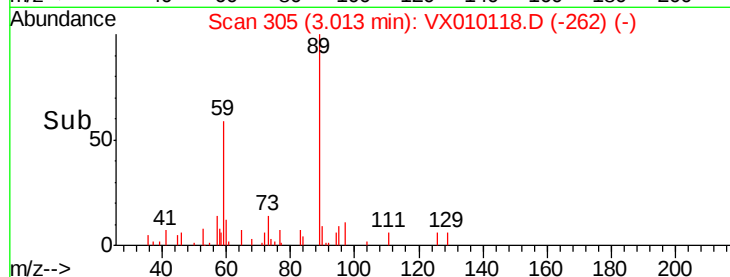
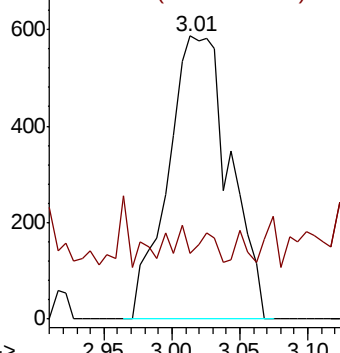
Tert butyl alcohol
Concen: 2.413 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010118.D
Acq: 07 Jun 2019 19:00

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW314I-20190605

Tot Ion: 59 Resp: 1853
Ion Ratio Lower Upper
59 100
57 3.0 8.2 12.2#



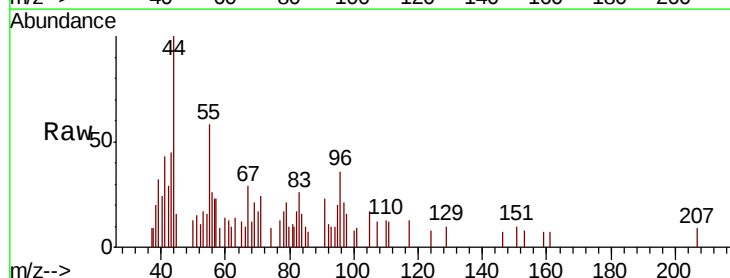
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



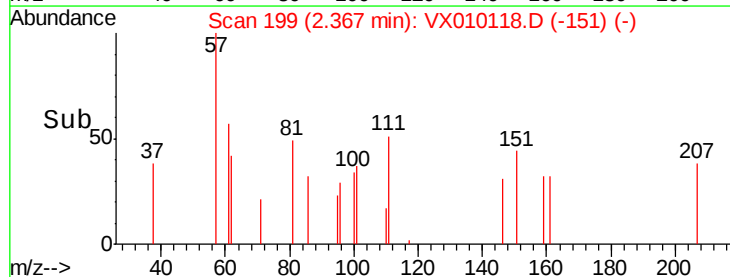
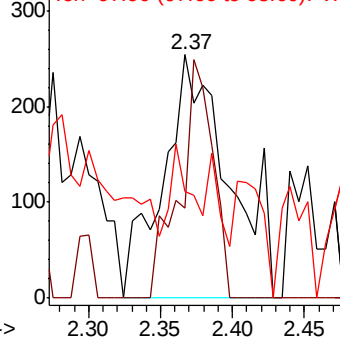
#12

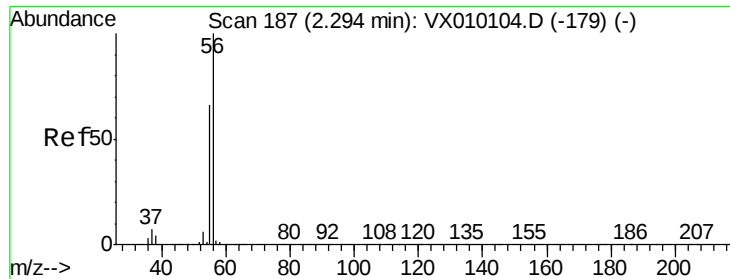
1,1-Dichloroethene
Concen: 0.278 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010118.D
Acq: 07 Jun 2019 19:00

Tgt Ion: 96 Resp: 802
Ion Ratio Lower Upper
96 100
61 37.0 140.7 211.1#
98 43.7 50.1 75.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

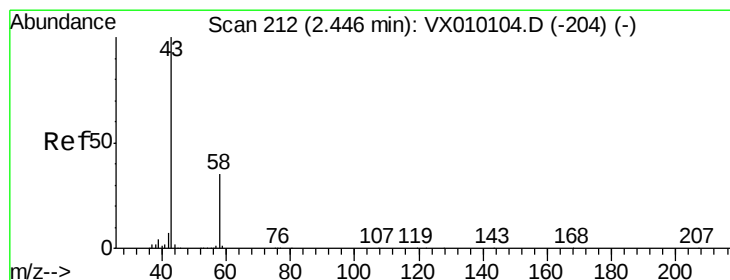
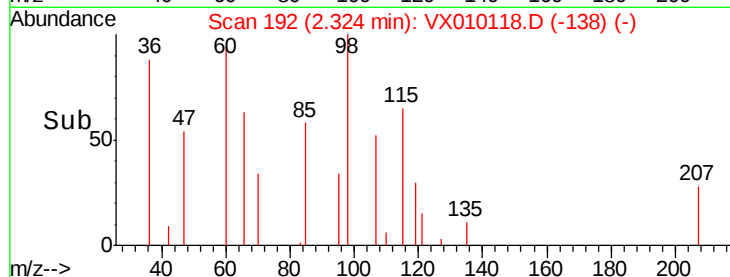
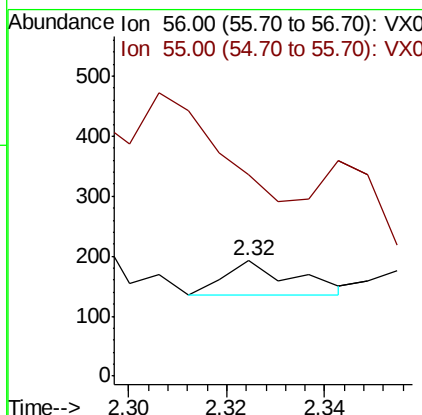
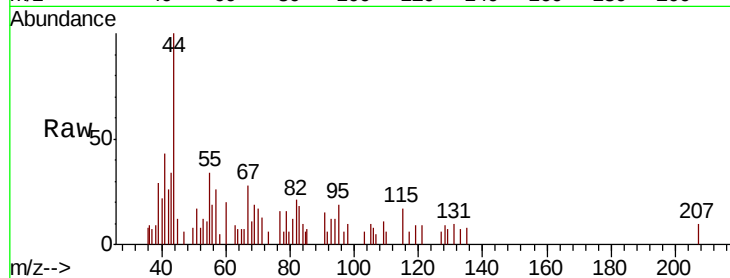




#13
Acrolein
Concen: 0.393 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.03 min
Lab File: VX010118.D
Acq: 07 Jun 2019 19:00

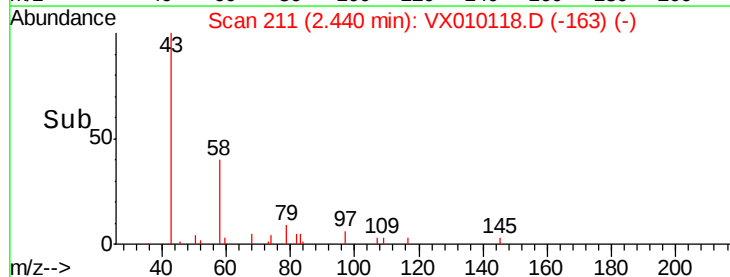
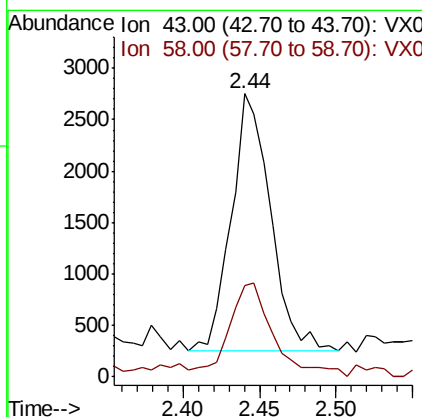
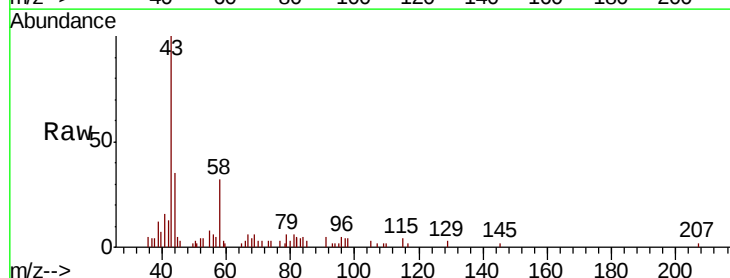
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW314I-20190605

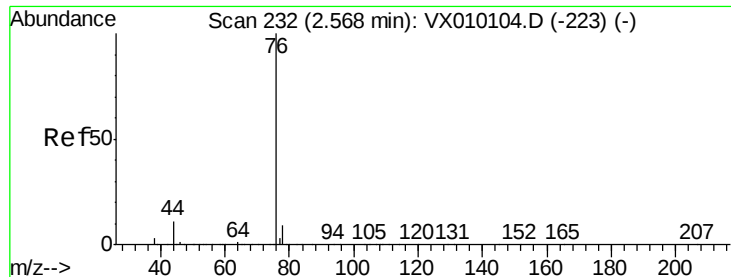
Tot Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 2.998 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010118.D
Acq: 07 Jun 2019 19:00

Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
58 32.9 23.2 34.8





#17

Carbon Disulfide

Concen: 0.306 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

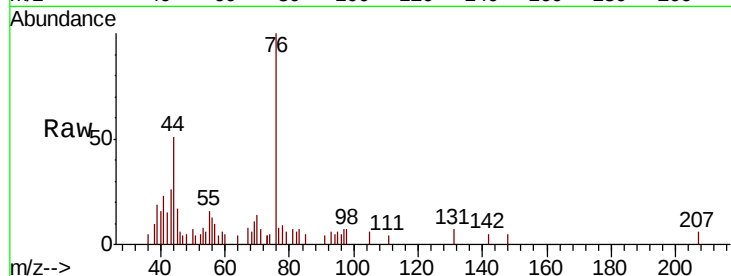
BPS1-TT-MW314I-20190605

Tot Ion: 76 Resp: 2550

Ion Ratio Lower Upper

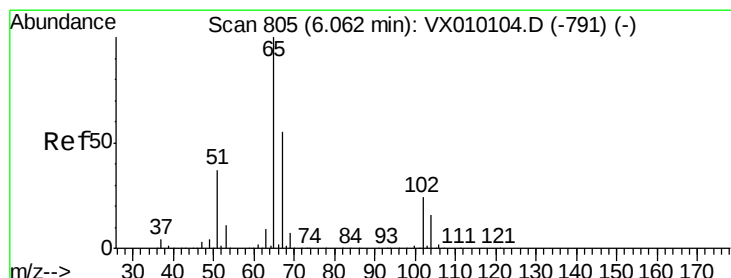
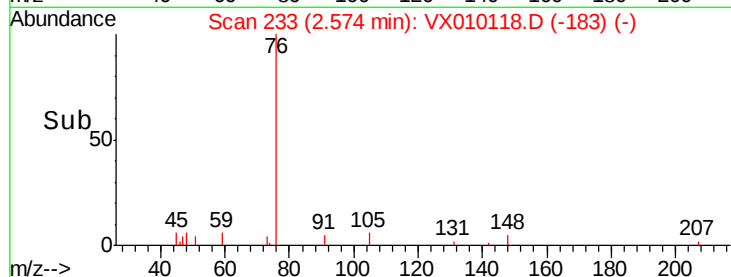
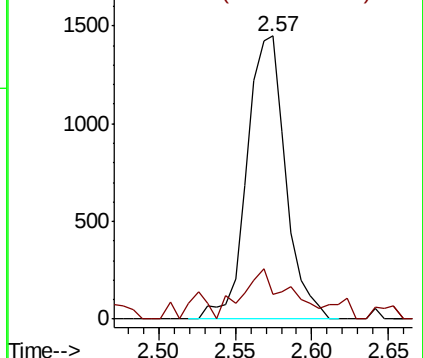
76 100

78 3.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.012 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010118.D

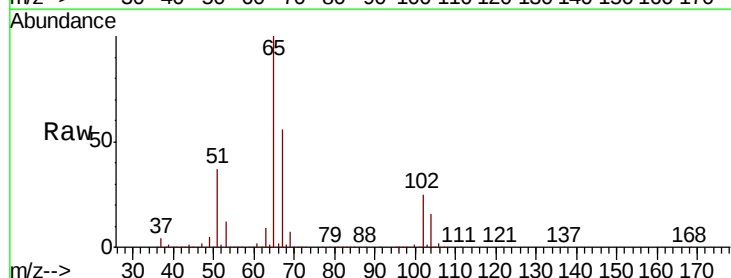
Acq: 07 Jun 2019 19:00

Tgt Ion: 65 Resp: 150512

Ion Ratio Lower Upper

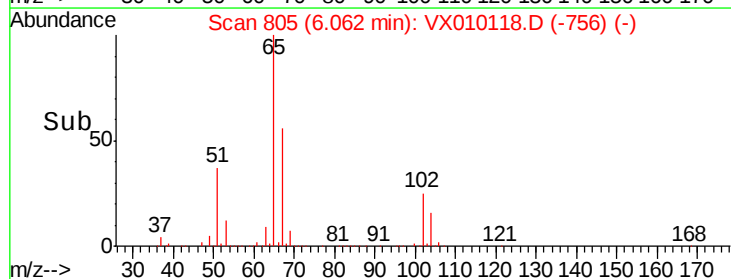
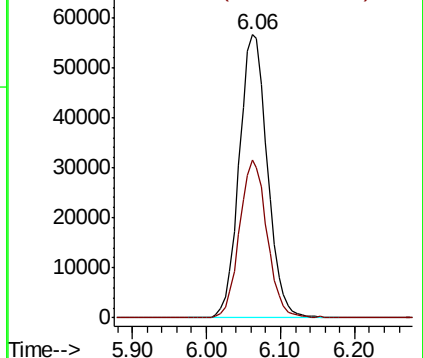
65 100

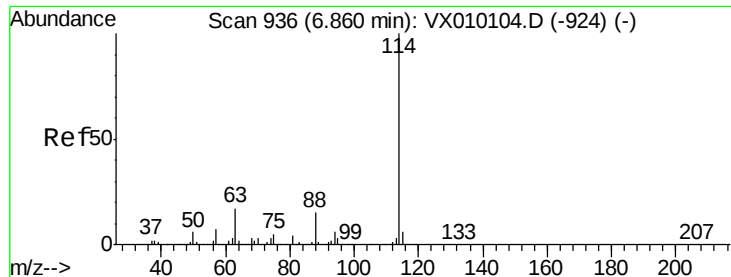
67 53.7 0.0 108.4



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: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW314I-20190605

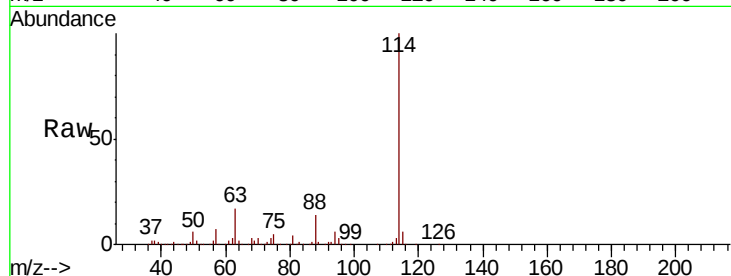
Tot Ion:114 Resp: 487457

Ion Ratio Lower Upper

114 100

63 17.5 0.0 47.4

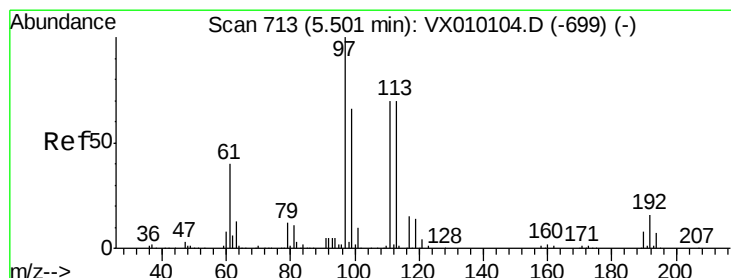
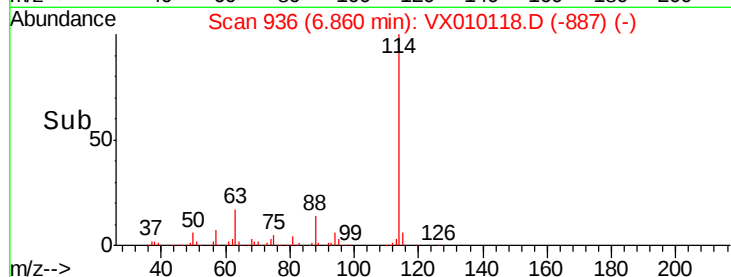
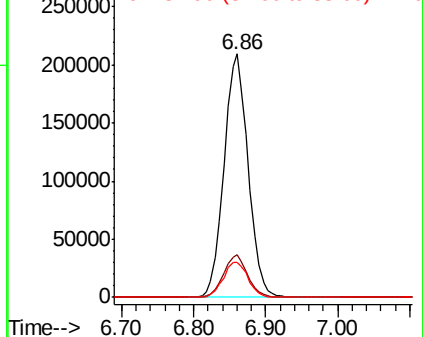
88 14.4 0.0 33.0



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: 50.483 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

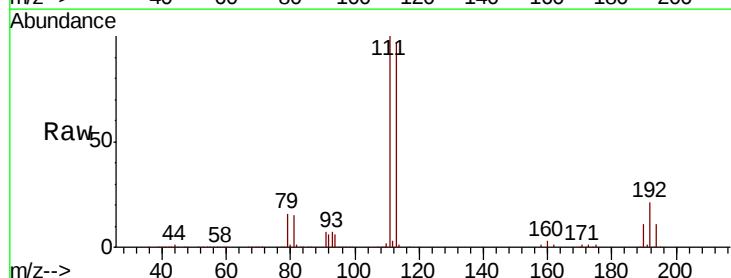
Tgt Ion:113 Resp: 151789

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

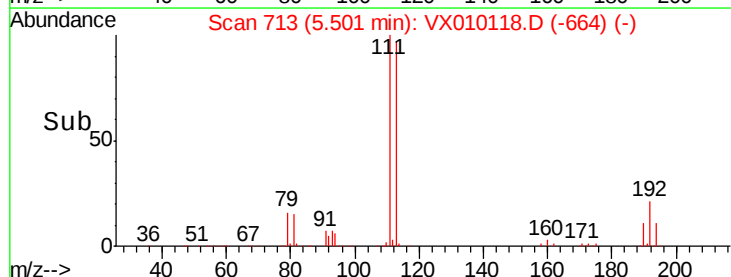
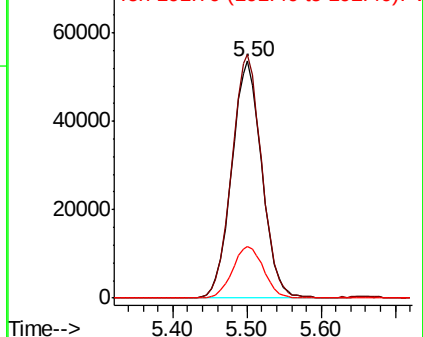
192 22.6 17.1 25.7

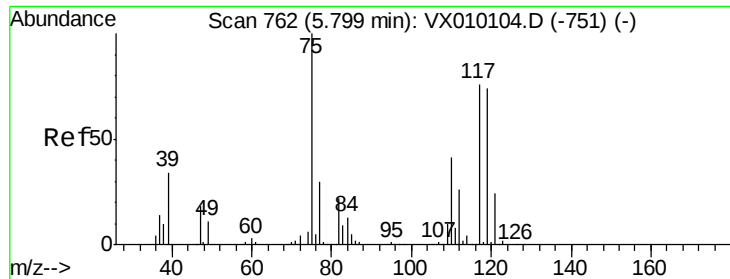


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

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BPS1-TT-MW314I-20190605

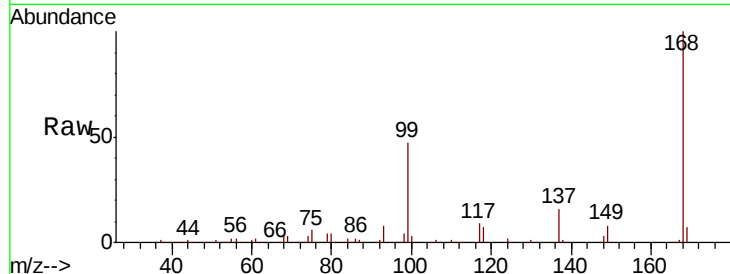
Tot Ion: 75 Resp: 19772

Ion Ratio Lower Upper

75 100

110 10.6 16.7 50.1#

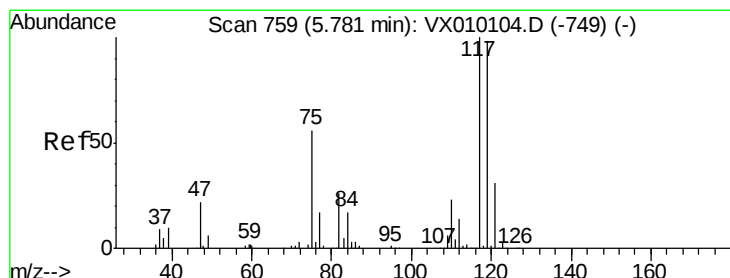
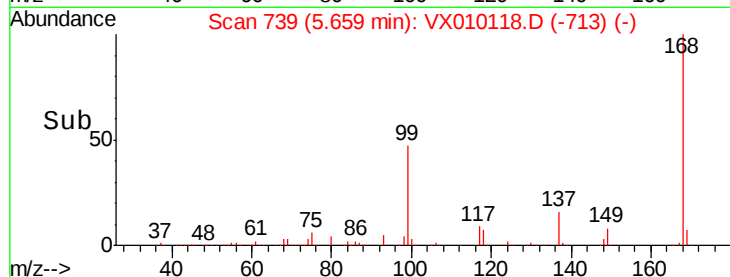
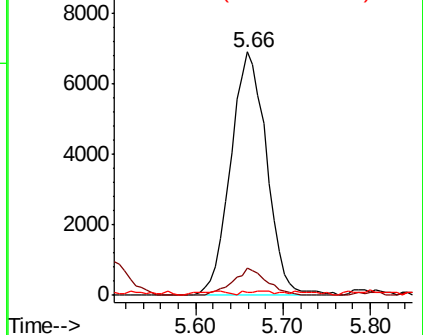
77 1.6 25.0 37.4#



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: 6.129 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

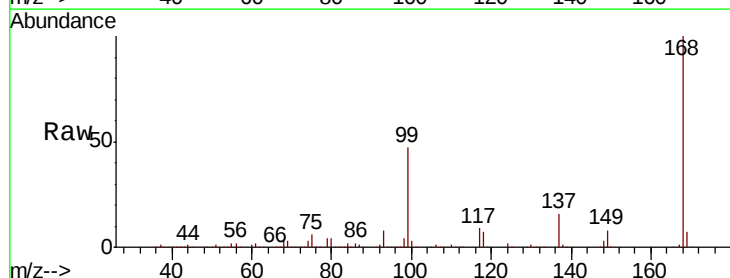
Tgt Ion: 117 Resp: 27589

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

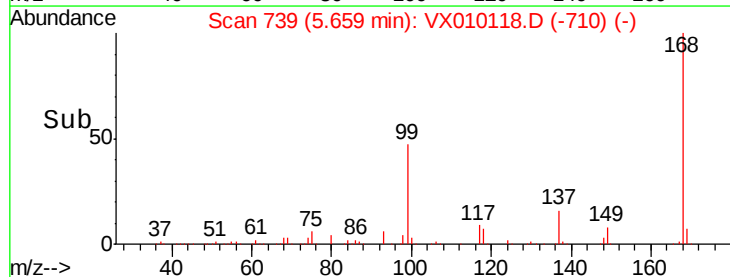
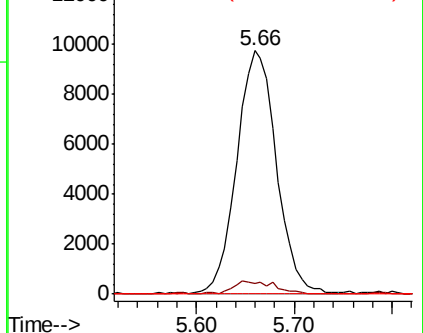
121 0.0 25.4 38.0#

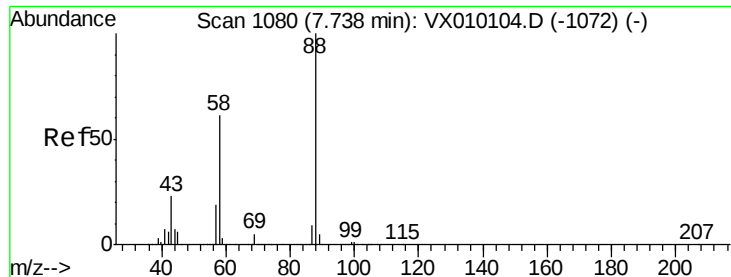


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.485 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW314I-20190605

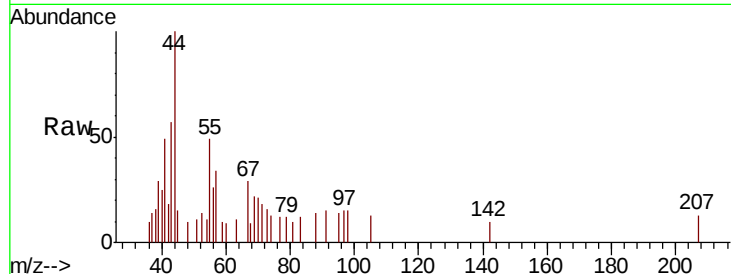
Tot Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 42.3 30.2 45.4

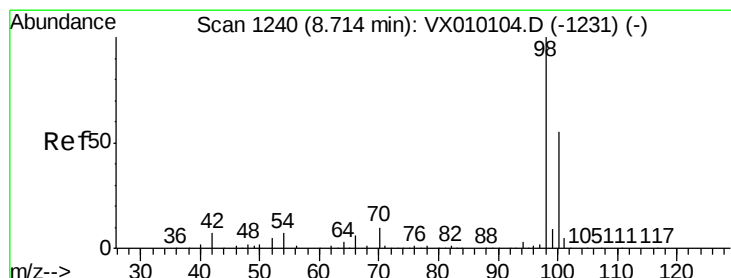
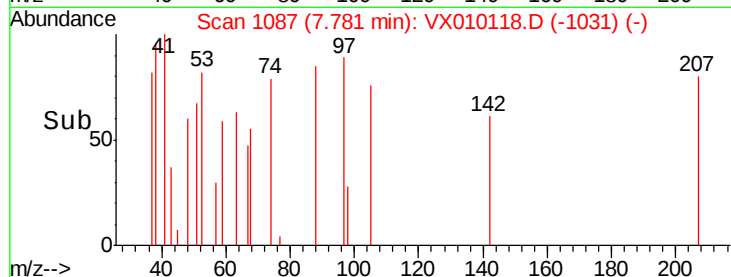
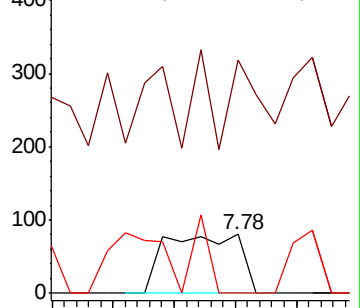
58 0.0 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.376 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010118.D

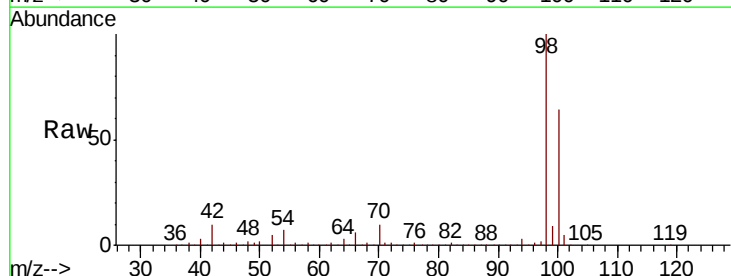
Acq: 07 Jun 2019 19:00

Tgt Ion: 98 Resp: 567678

Ion Ratio Lower Upper

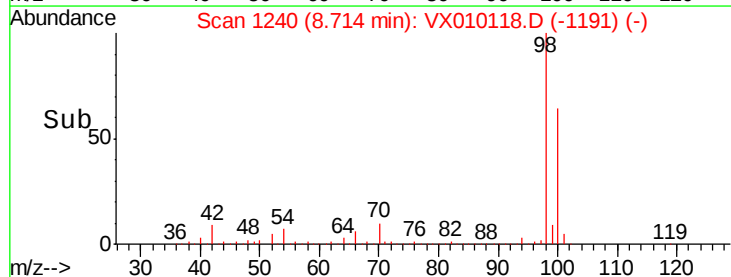
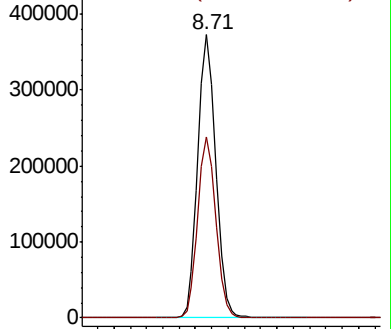
98 100

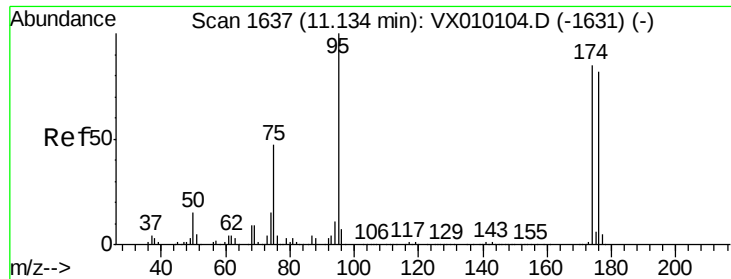
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.600 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW314I-20190605

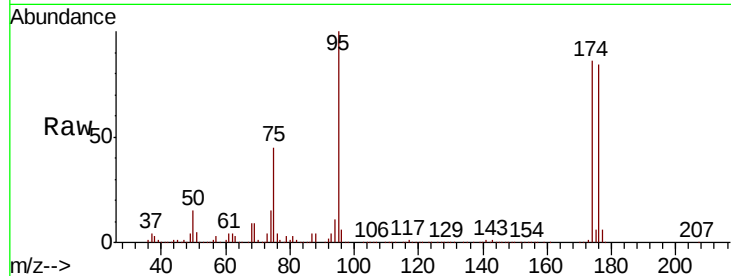
Tot Ion: 95 Resp: 200323

Ion Ratio Lower Upper

95 100

174 91.0 0.0 160.4

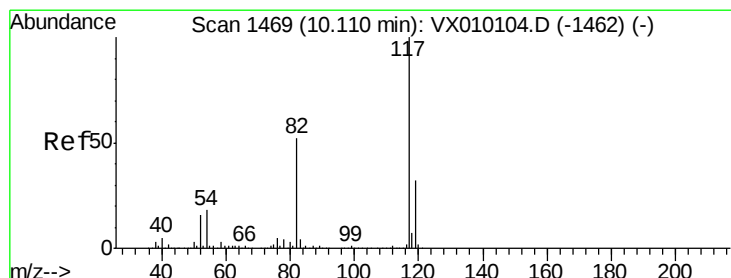
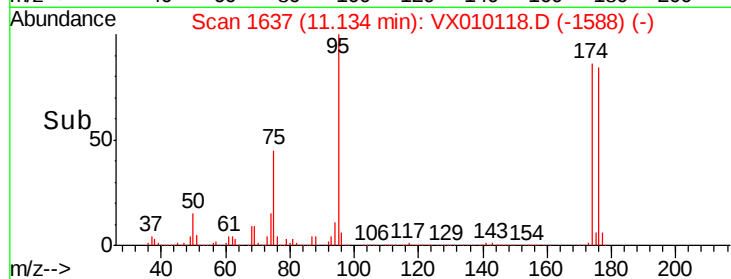
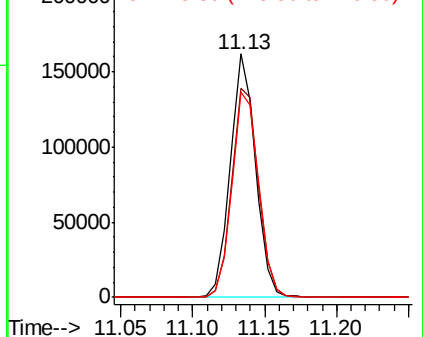
176 88.9 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

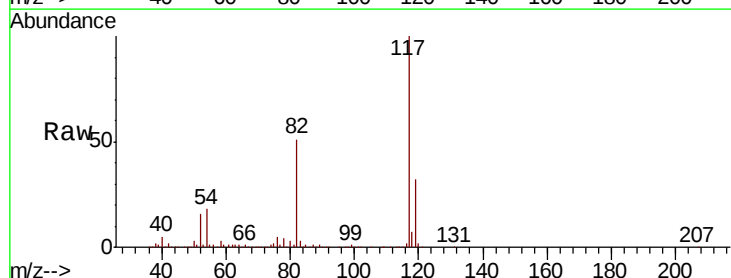
Tgt Ion: 117 Resp: 437685

Ion Ratio Lower Upper

117 100

82 50.6 49.2 73.8

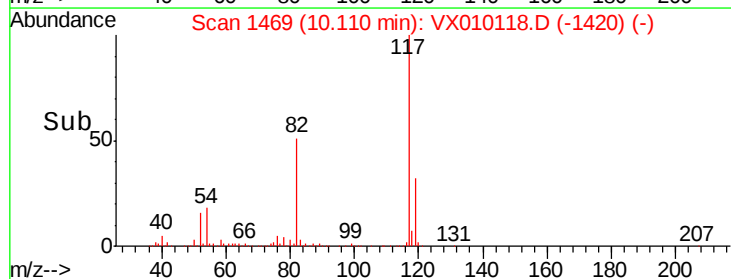
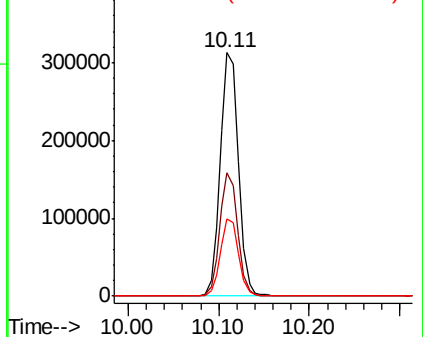
119 32.0 25.2 37.8

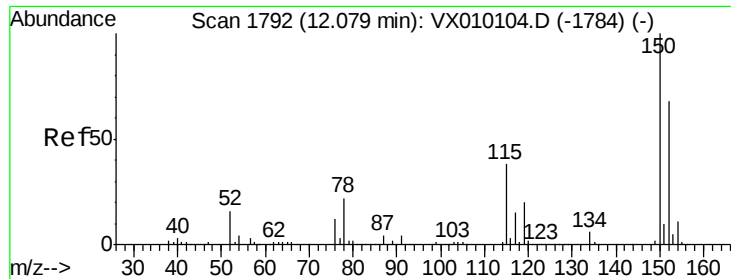


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010118.D

Acq: 07 Jun 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW314I-20190605

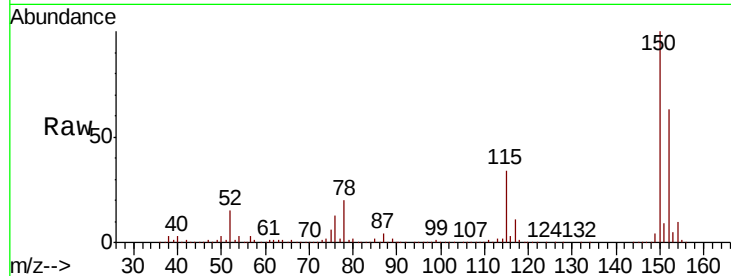
Tot Ion:152 Resp: 200349

Ion Ratio Lower Upper

152 100

115 56.4 41.4 124.2

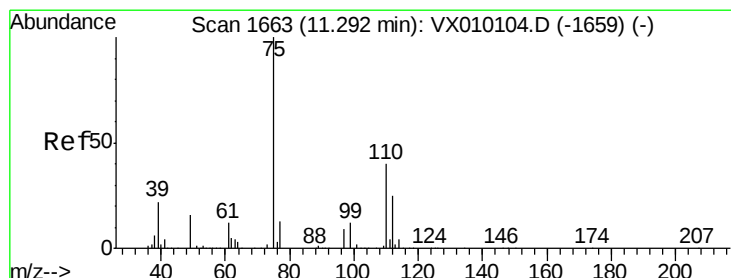
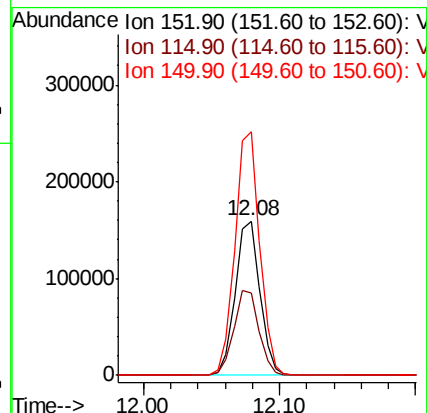
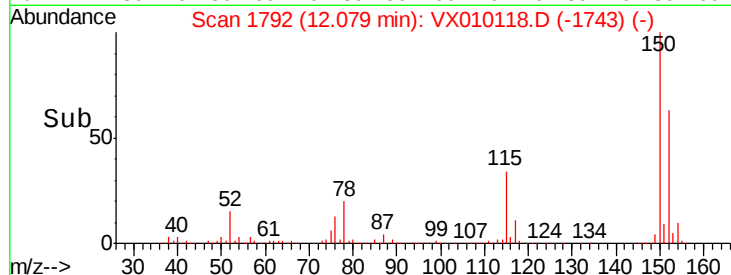
150 159.3 0.0 345.2



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: 22.788 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010118.D

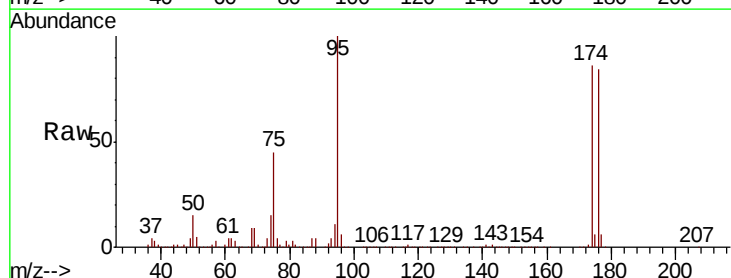
Acq: 07 Jun 2019 19:00

Tgt Ion: 75 Resp: 91320

Ion Ratio Lower Upper

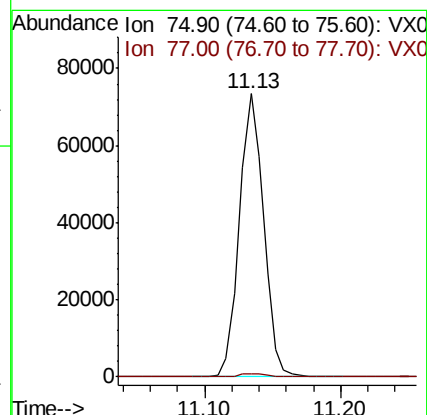
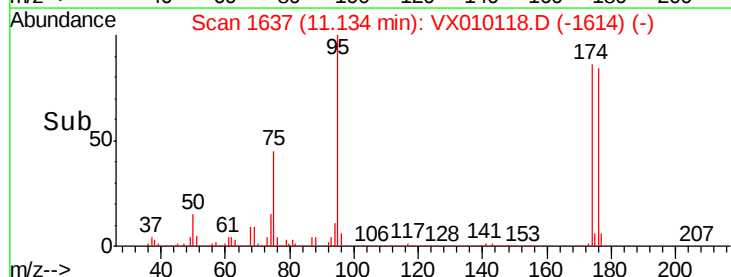
75 100

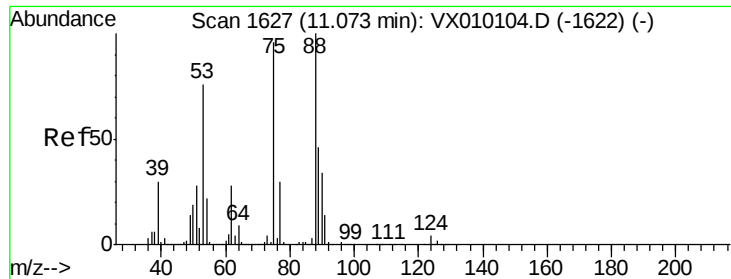
77 1.5 22.1 66.1#



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: 50.349 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010118.D
 Acq: 07 Jun 2019 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW314I-20190605

Tot Ion: 75 Resp: 91320
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.8 119.6#
 89 0.0 34.2 51.4#

