

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010209.D
 Acq On : 11 Jun 2019 04:37
 Operator : JC/SP
 Sample : K3279-08 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20190607

Quant Time: Jun 11 06:20:51 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	5.66	168	247808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143313	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	111490	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
35) Dibromofluoromethane	5.50	113	116290	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	8.71	98	434084	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.13	95	142769	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	

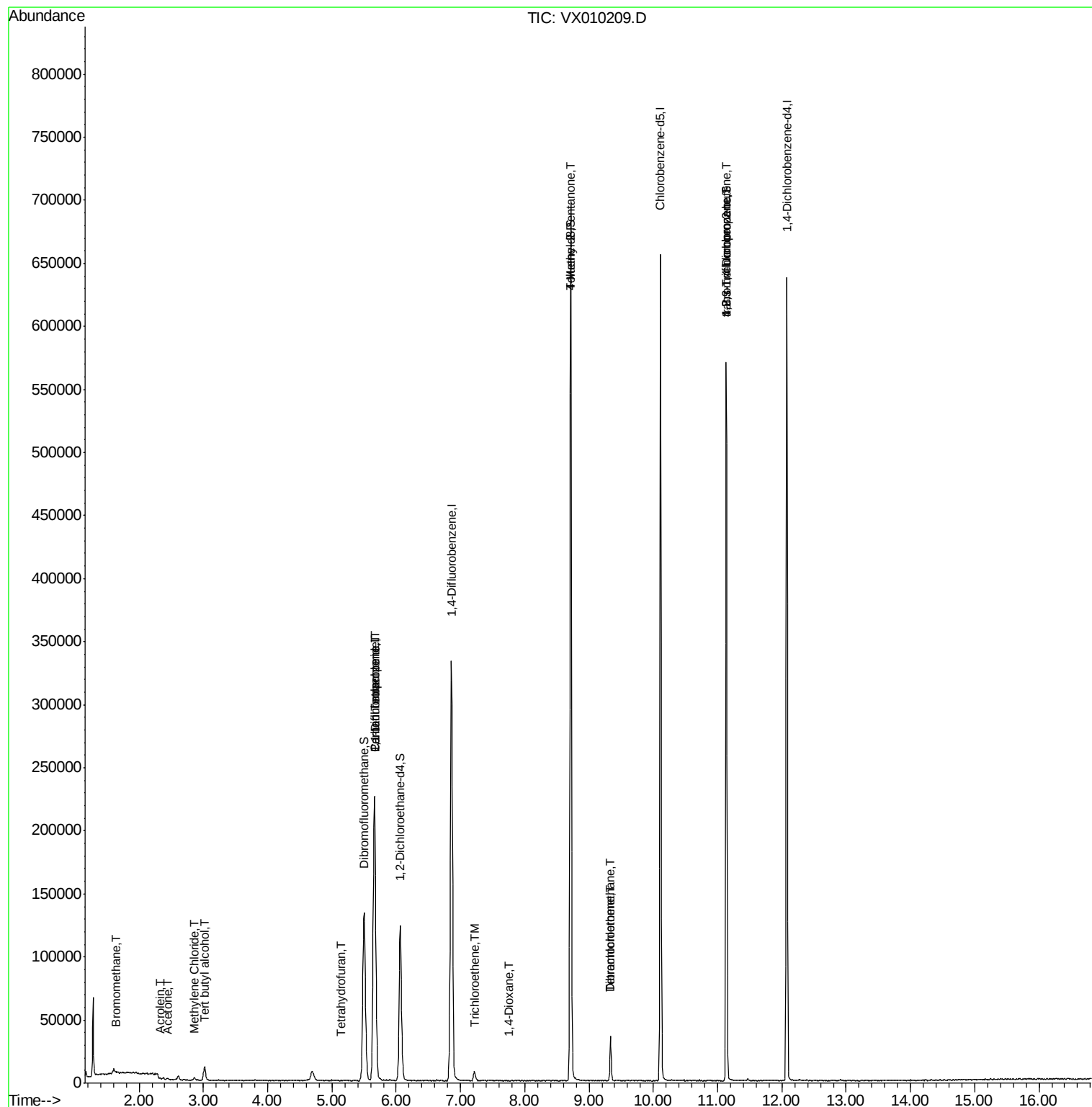
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	390	0.486	ug/l #	62
11) Tert butyl alcohol	3.02	59	5809	9.803	ug/l #	88
13) Acrolein	2.32	56	276	2.554	ug/l #	14
16) Acetone	2.44	43	998	0.877	ug/l	90
20) Methylene Chloride	2.85	84	998	0.399	ug/l	84
29) Tetrahydrofuran	5.14	42	274	0.257	ug/l #	47
36) 1,1-Dichloropropene	5.67	75	14495	4.769	ug/l #	52
38) Carbon Tetrachloride	5.67	117	20584	5.984	ug/l #	16
44) Trichloroethene	7.21	130	3046	1.075	ug/l	84
49) 1,4-Dioxane	7.76	88	22	0.312	ug/l #	1
51) 4-Methyl-2-Pentanone	8.72	43	1882	0.596	ug/l #	1
60) Dibromochloromethane	9.34	129	6495	2.170	ug/l #	11
64) Tetrachloroethene	9.34	164	7251	2.992	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	65716	22.925	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65716	50.652	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

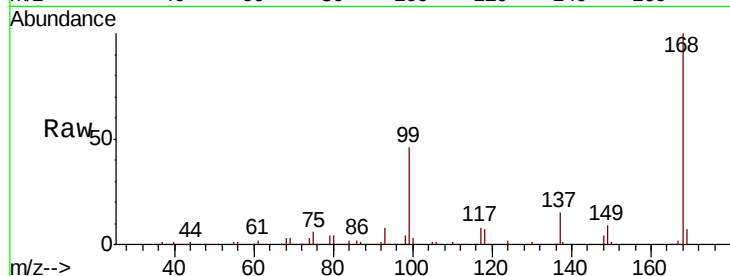
BPS1-TT-MW30311-20190607

Tot Ion:168 Resp: 247808

Ion Ratio Lower Upper

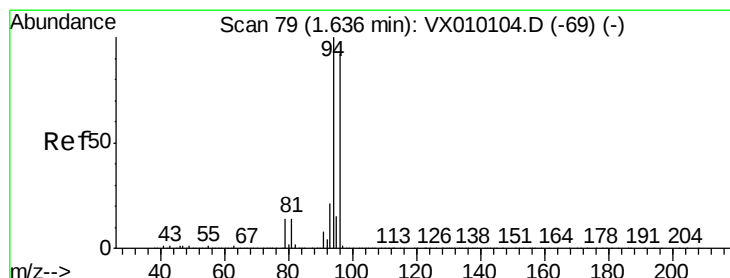
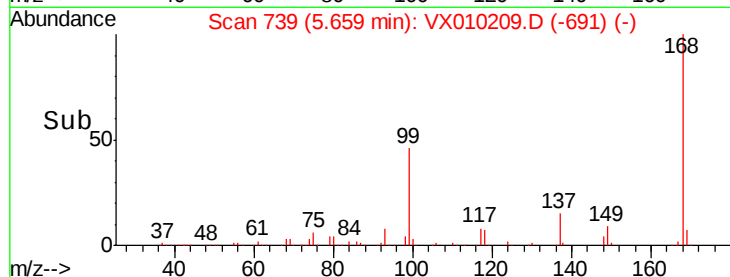
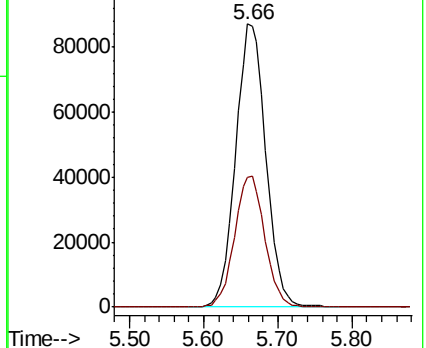
168 100

99 46.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.486 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010209.D

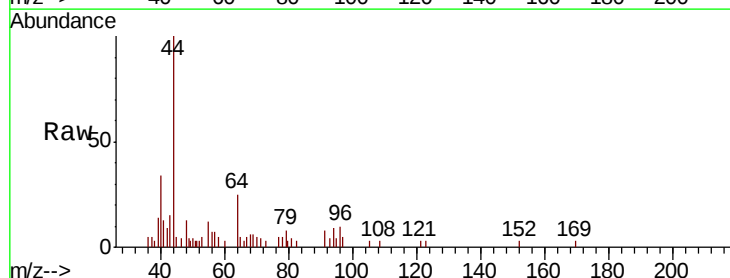
Acq: 11 Jun 2019 04:37

Tgt Ion: 94 Resp: 390

Ion Ratio Lower Upper

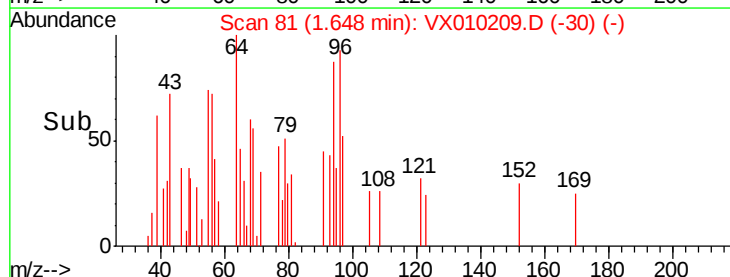
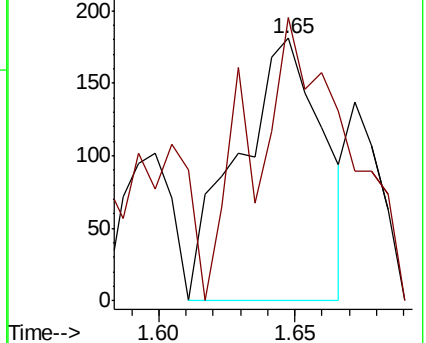
94 100

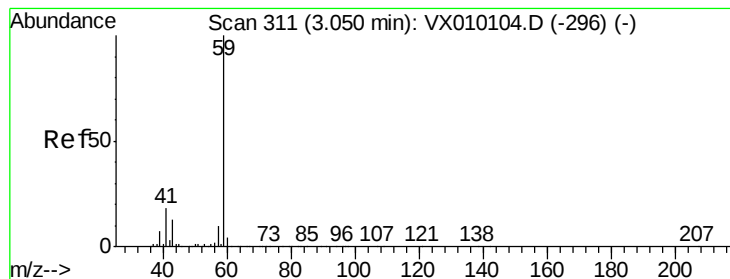
96 58.0 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



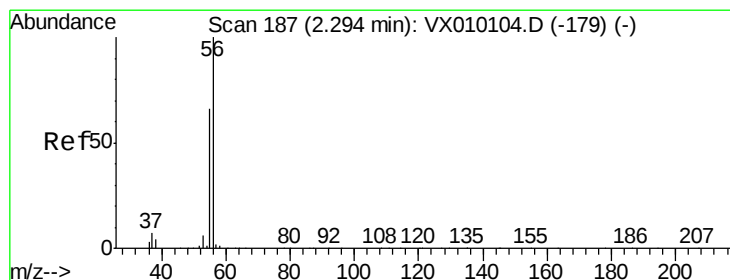
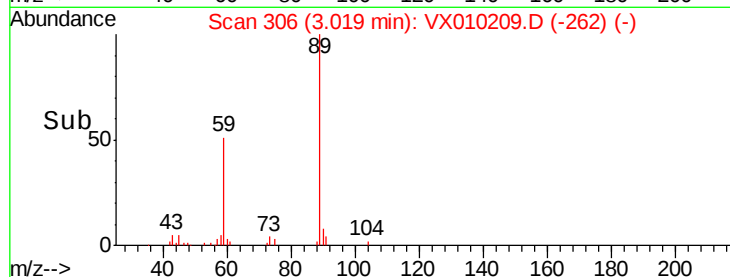
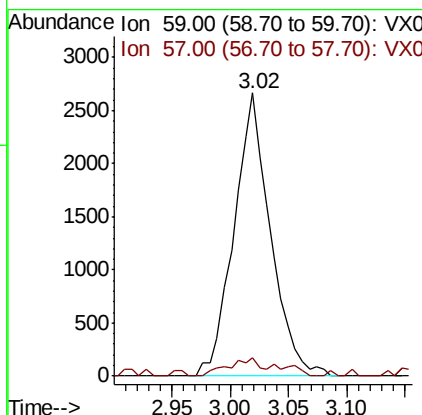
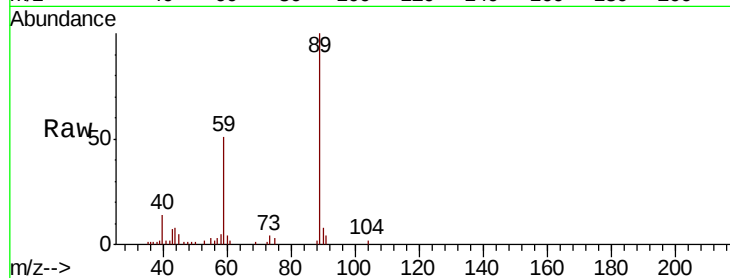


#11

Tert butyl alcohol
 Concen: 9.803 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010209.D
 Acq: 11 Jun 2019 04:37

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20190607

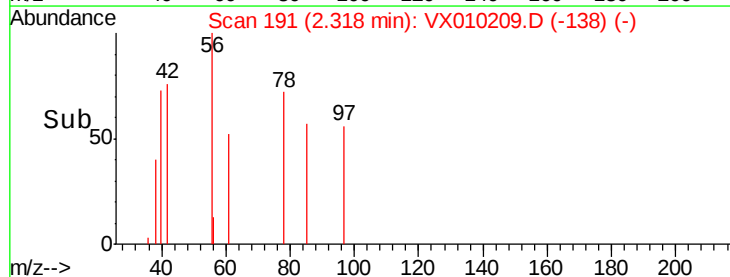
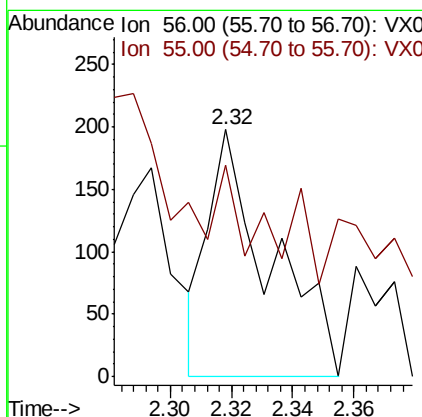
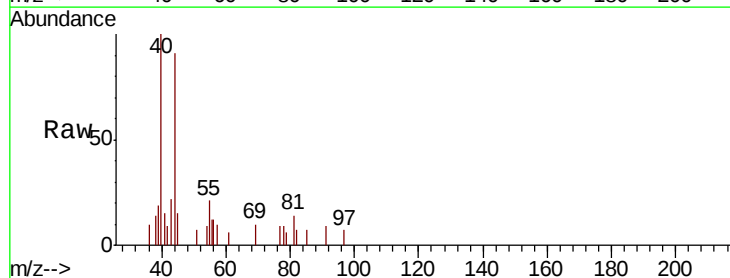
Tot Ion: 59 Resp: 5809
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.2 12.2#

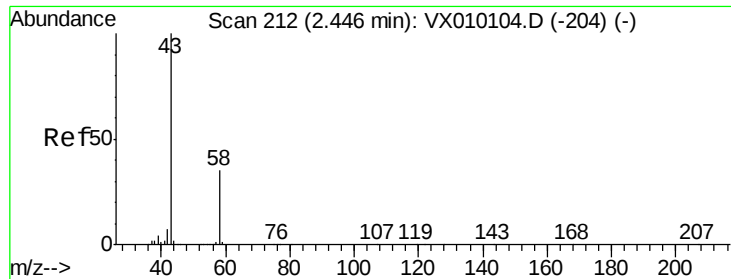


#13

Acrolein
 Concen: 2.554 ug/l
 RT: 2.32 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VX010209.D
 Acq: 11 Jun 2019 04:37

Tgt Ion: 56 Resp: 276
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.877 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

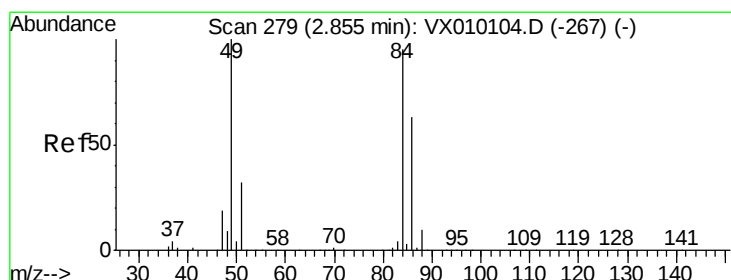
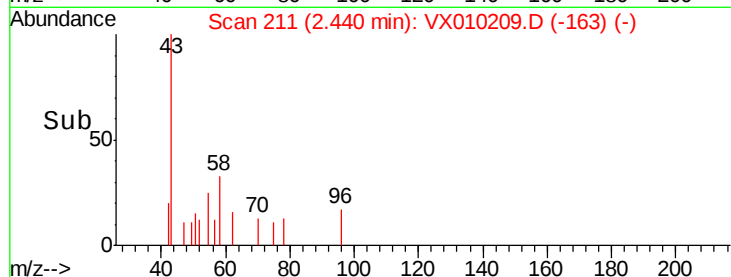
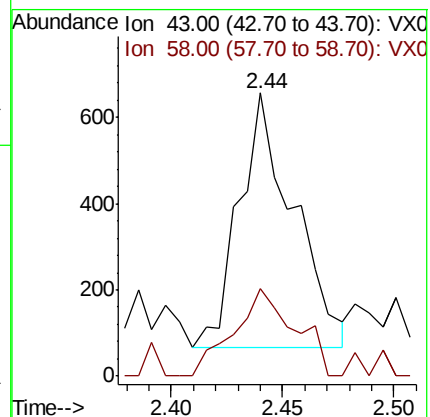
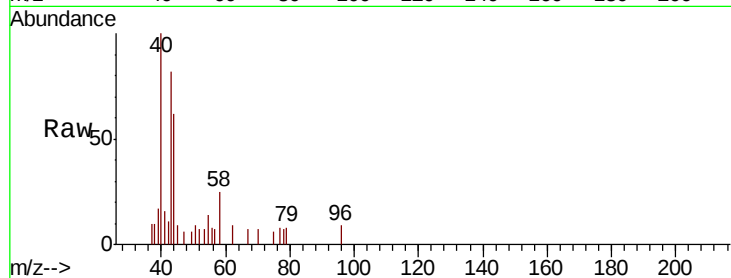
BPS1-TT-MW30311-20190607

Tot Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

58 34.4 23.2 34.8



#20

Methylene Chloride

Concen: 0.399 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Tgt Ion: 84 Resp: 998

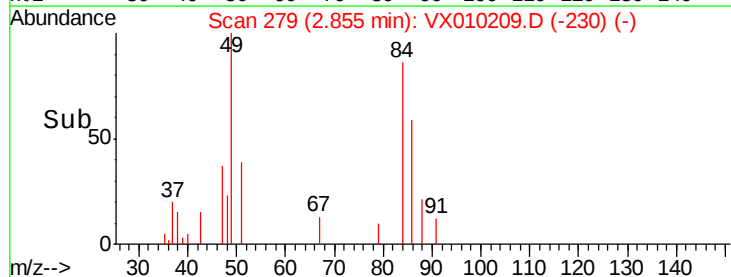
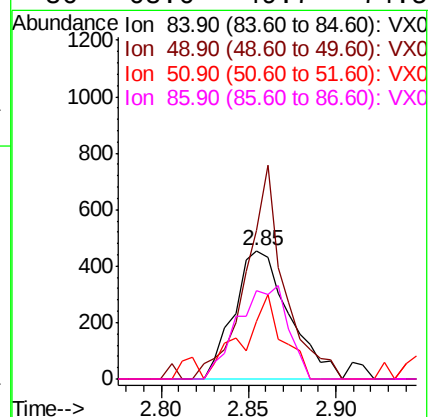
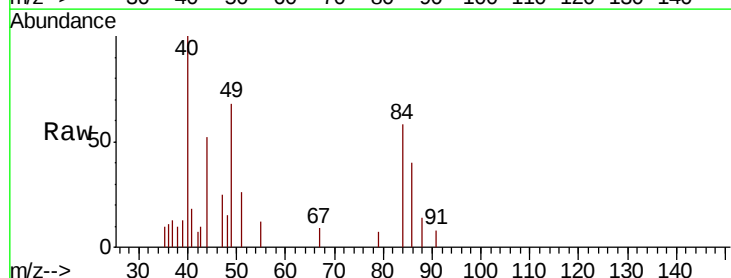
Ion Ratio Lower Upper

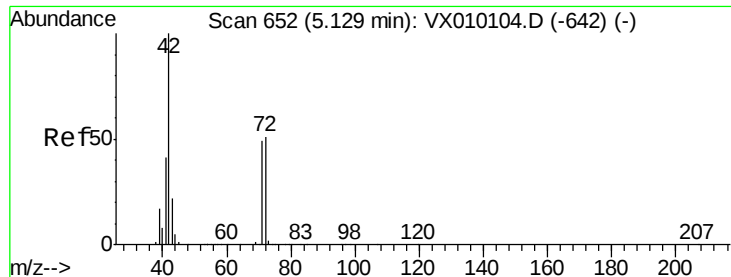
84 100

49 116.0 115.8 173.6

51 45.3 34.4 51.6

86 68.6 49.7 74.5

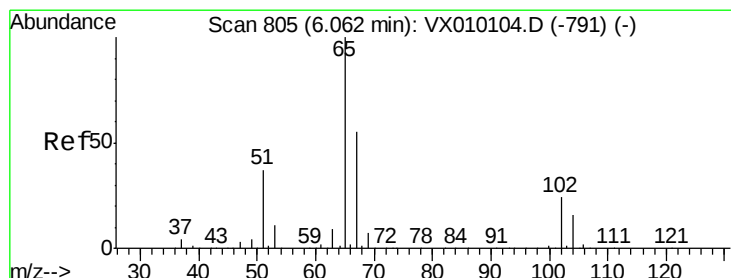
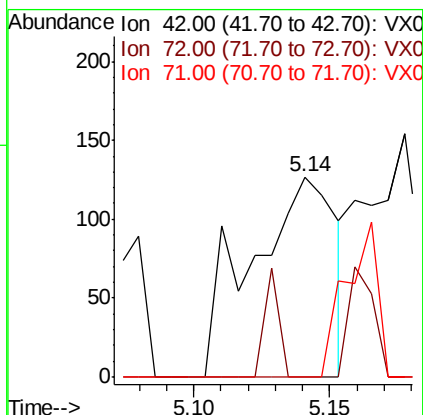
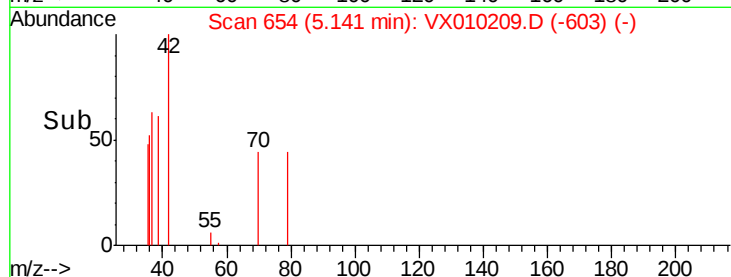
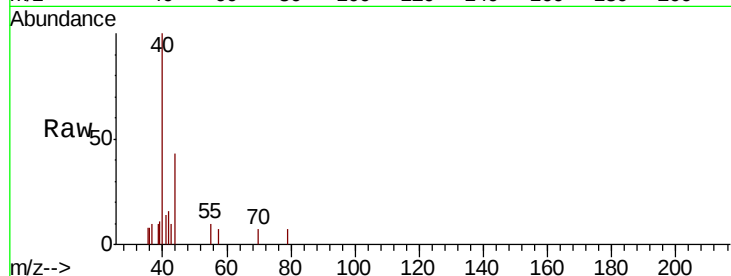




#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX010209.D
Acq: 11 Jun 2019 04:37

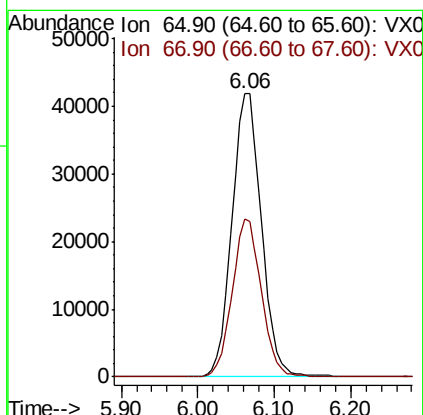
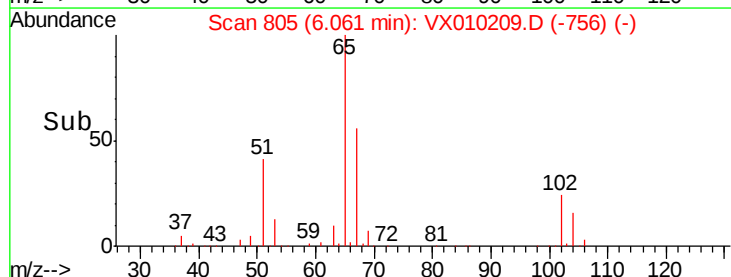
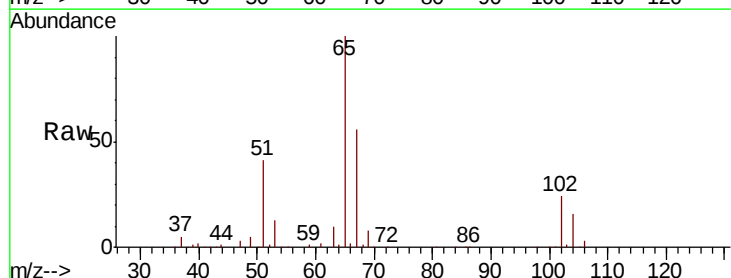
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190607

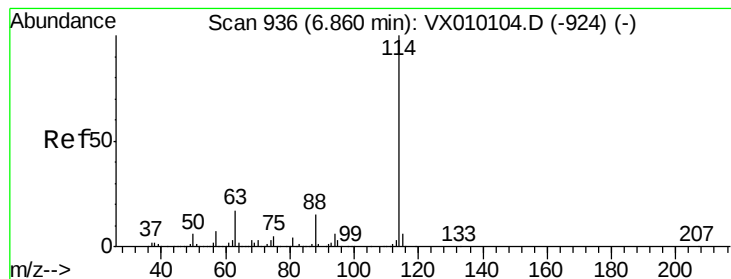
Tot Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 9.1 29.2 43.8#
71 0.0 27.6 41.4#



#33
1,2-Dichloroethane-d4
Concen: 46.091 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010209.D
Acq: 11 Jun 2019 04:37

Tgt Ion: 65 Resp: 111490
Ion Ratio Lower Upper
65 100
67 55.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20190607

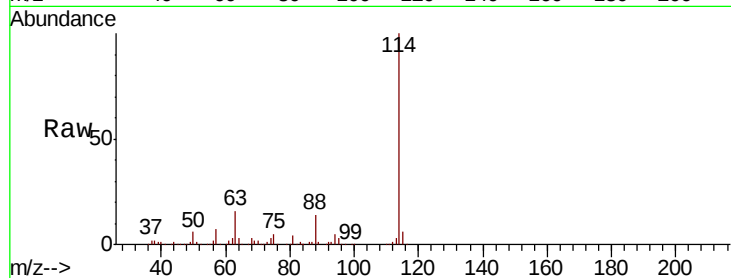
Tot Ion:114 Resp: 372525

Ion Ratio Lower Upper

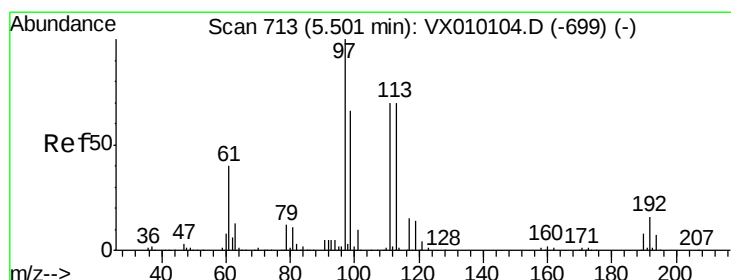
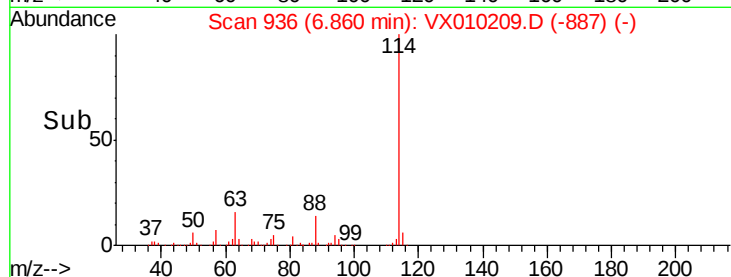
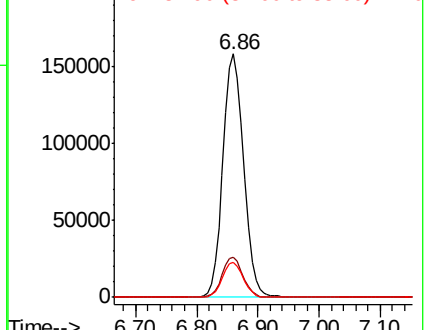
114 100

63 16.4 0.0 47.4

88 14.2 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: 50.609 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

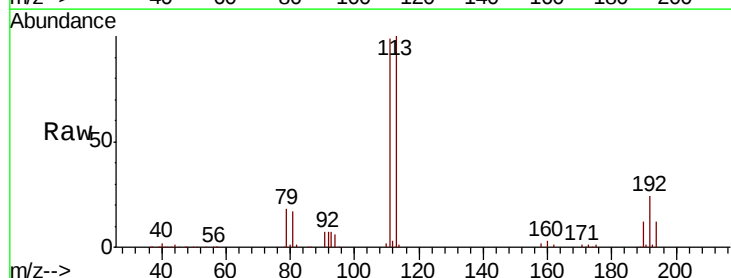
Tgt Ion:113 Resp: 116290

Ion Ratio Lower Upper

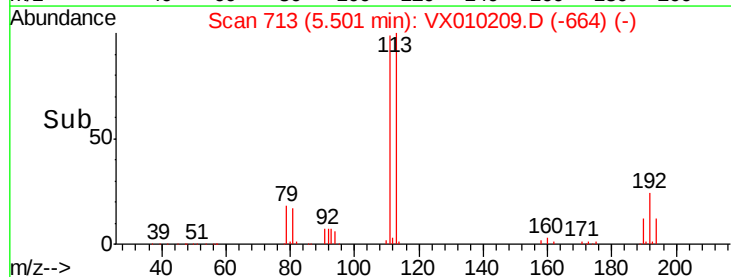
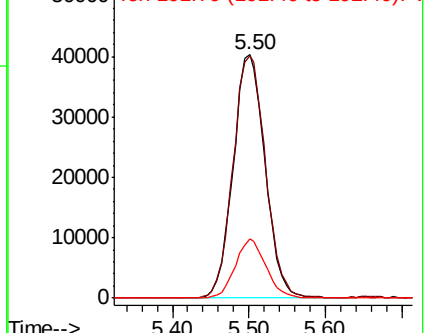
113 100

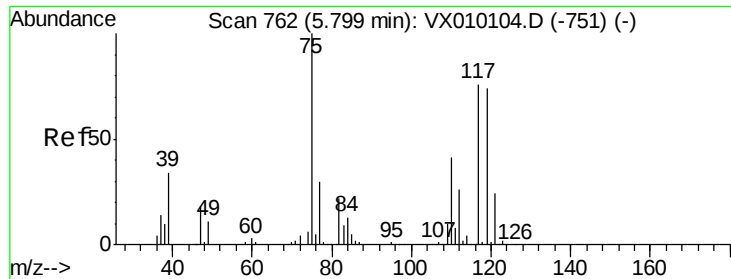
111 101.5 82.2 123.2

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

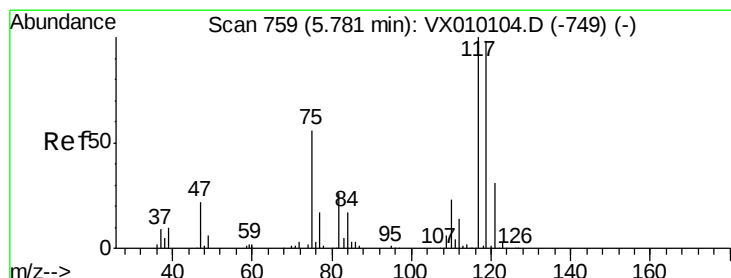
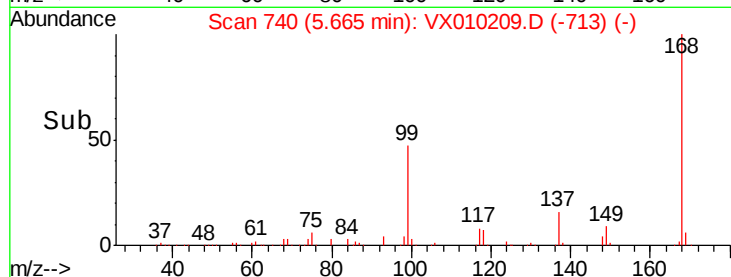
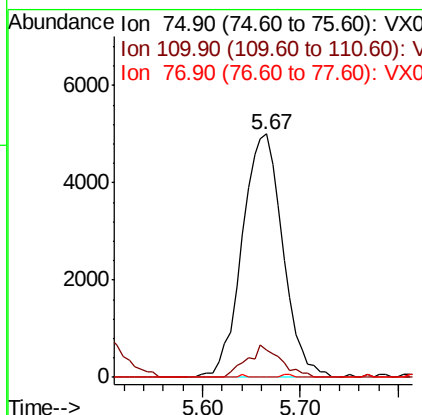
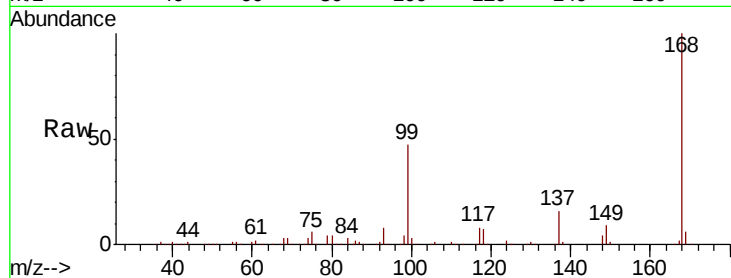




#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010209.D
 Acq: 11 Jun 2019 04:37

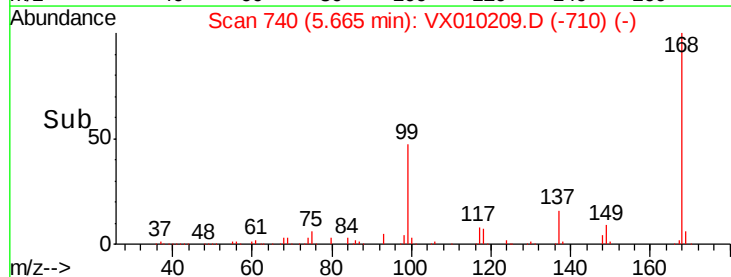
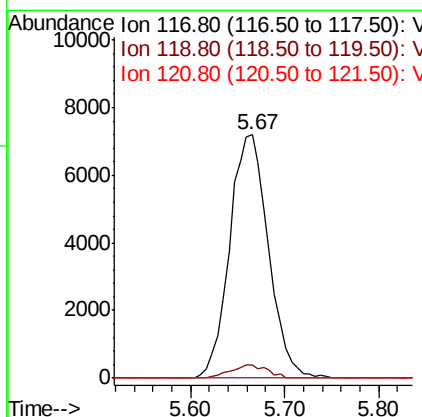
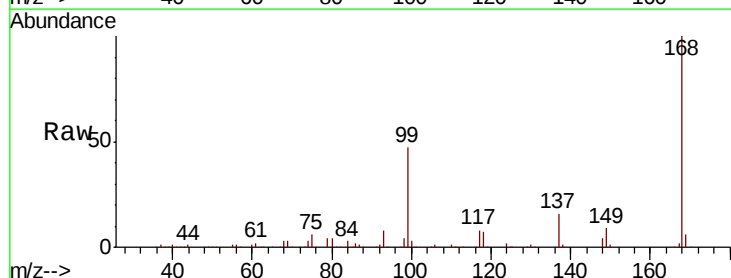
Instrument :
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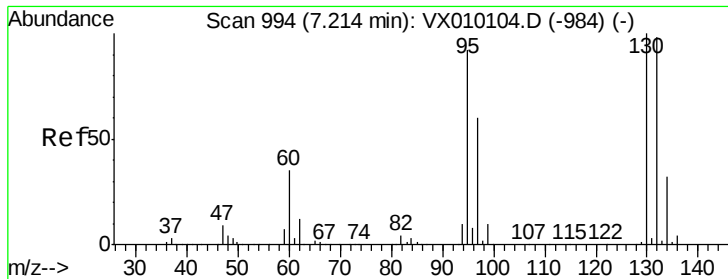
Tot Ion: 75 Resp: 14495
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.984 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010209.D
 Acq: 11 Jun 2019 04:37

Tgt Ion: 117 Resp: 20584
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.3 115.9#
 121 0.0 25.4 38.0#





#44

Trichloroethene

Concen: 1.075 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

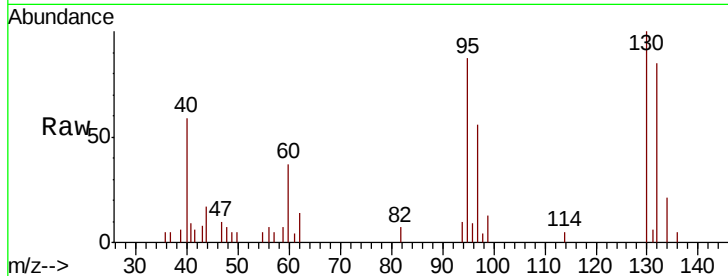
BPS1-TT-MW30311-20190607

Tot Ion:130 Resp: 3046

Ion Ratio Lower Upper

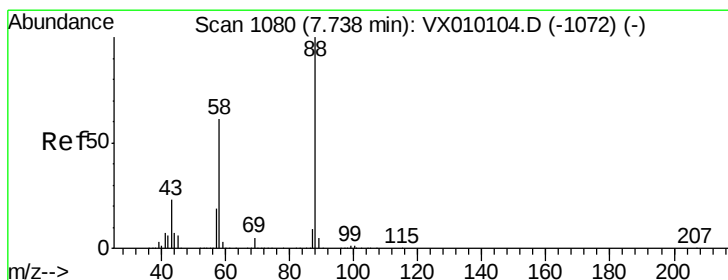
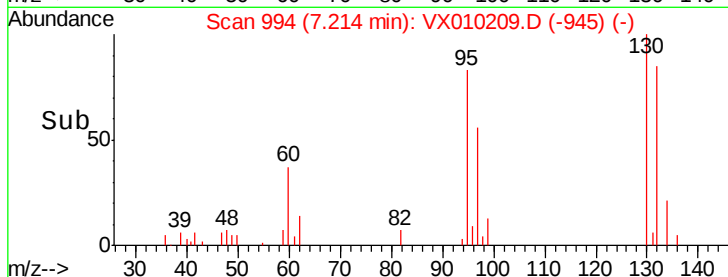
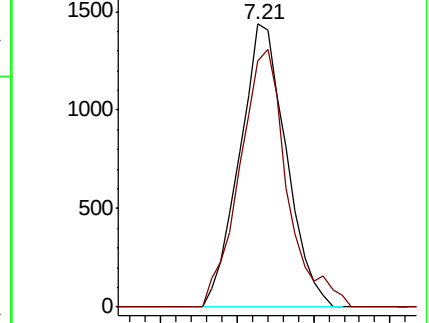
130 100

95 87.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.312 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

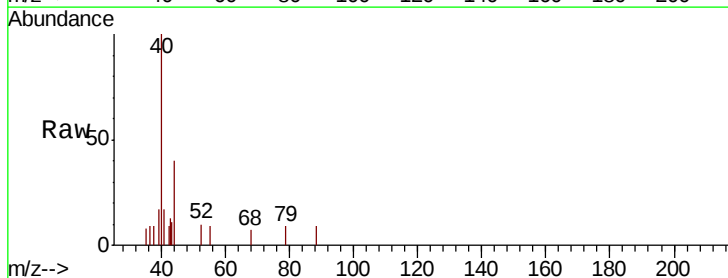
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 840.9 30.2 45.4#

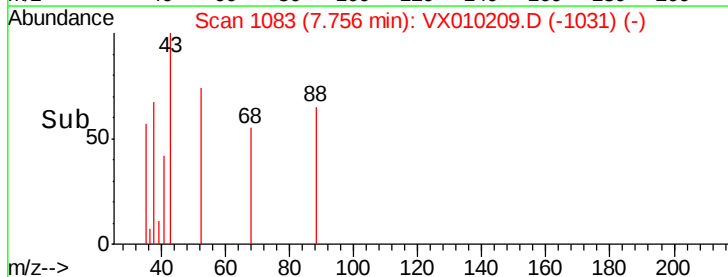
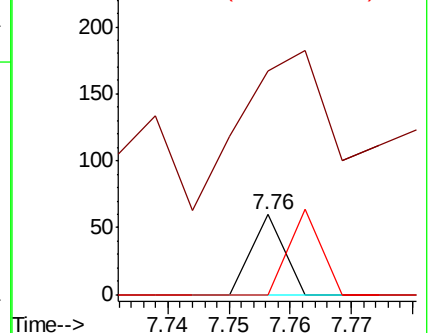
58 104.5 64.0 96.0#

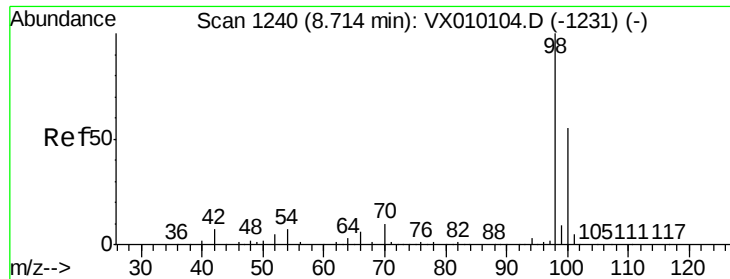


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.405 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

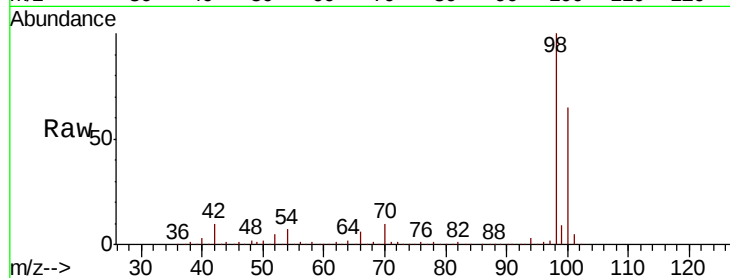
BPS1-TT-MW30311-20190607

Tot Ion: 98 Resp: 434084

Ion Ratio Lower Upper

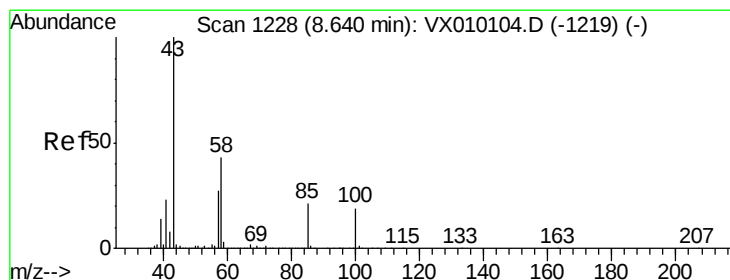
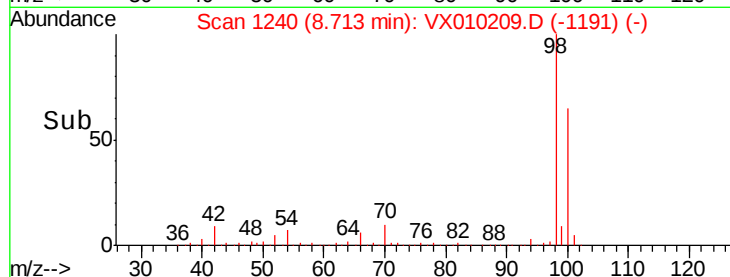
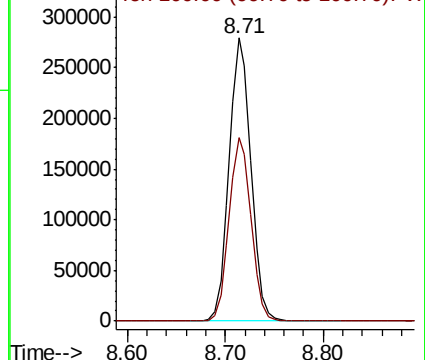
98 100

100 65.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.596 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.08 min

Lab File: VX010209.D

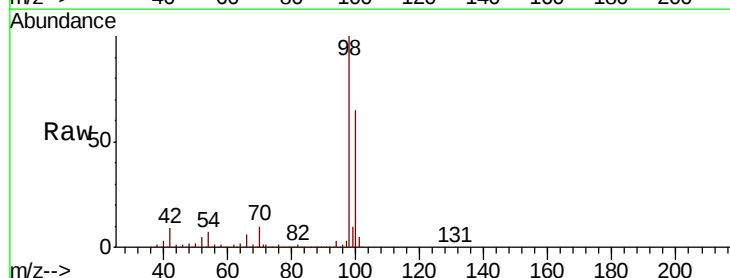
Acq: 11 Jun 2019 04:37

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

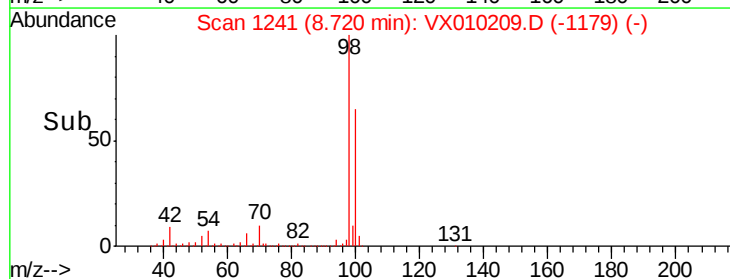
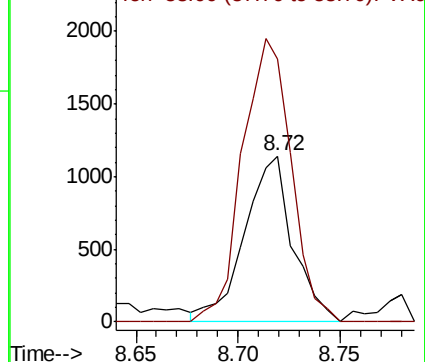
43 100

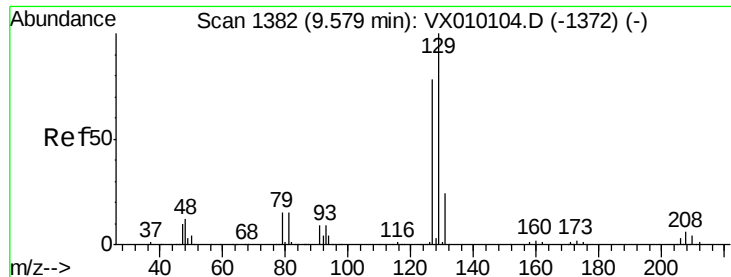
58 171.8 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.170 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

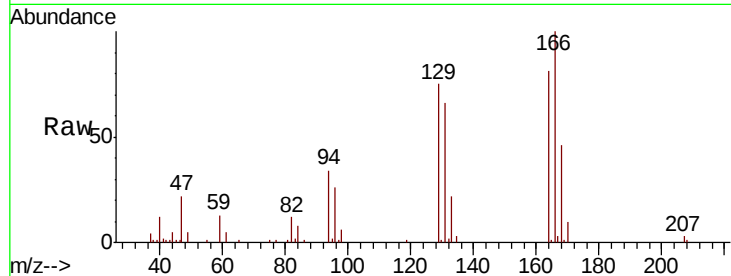
BPS1-TT-MW30311-20190607

Tot Ion:129 Resp: 6495

Ion Ratio Lower Upper

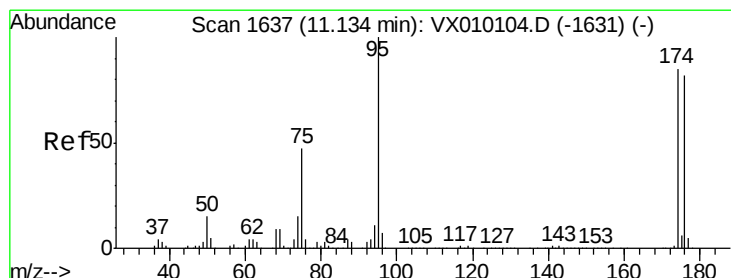
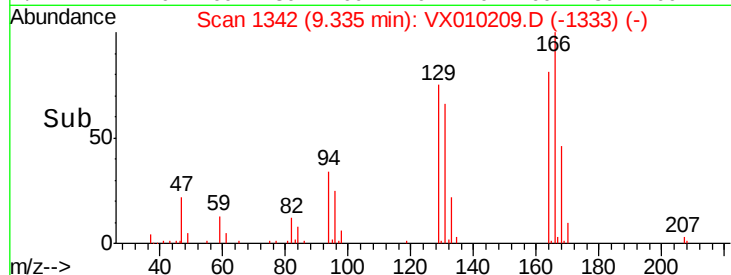
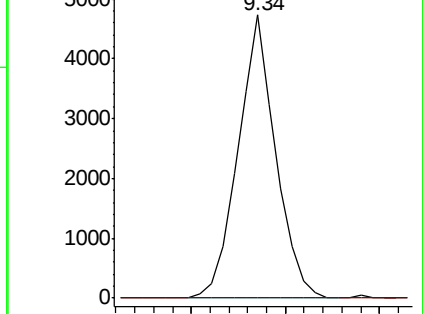
129 100

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: 44.391 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010209.D

Acq: 11 Jun 2019 04:37

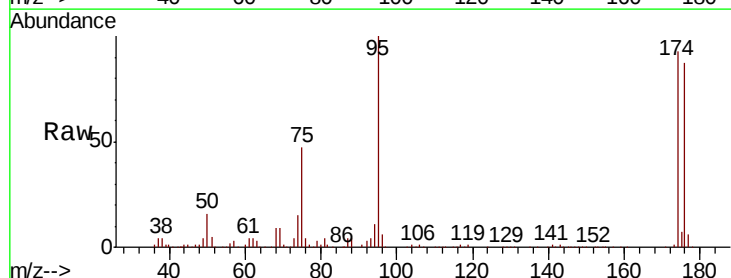
Tgt Ion: 95 Resp: 142769

Ion Ratio Lower Upper

95 100

174 95.2 0.0 160.4

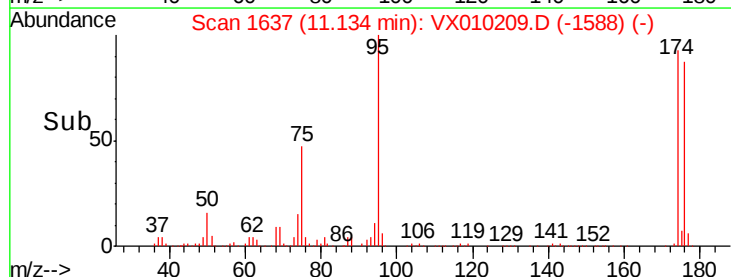
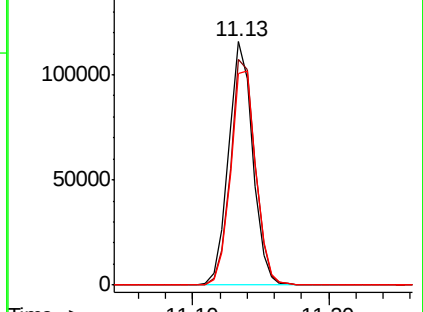
176 92.3 0.0 154.6

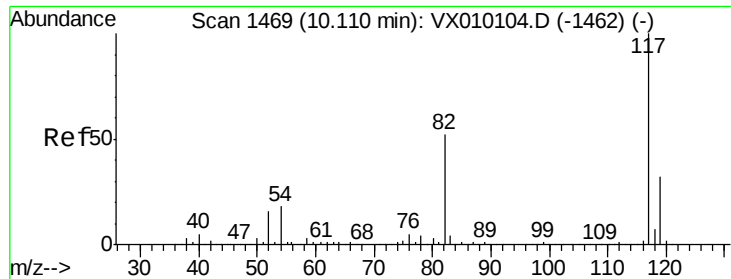


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

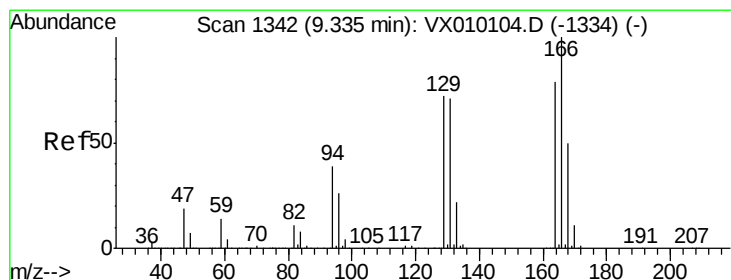
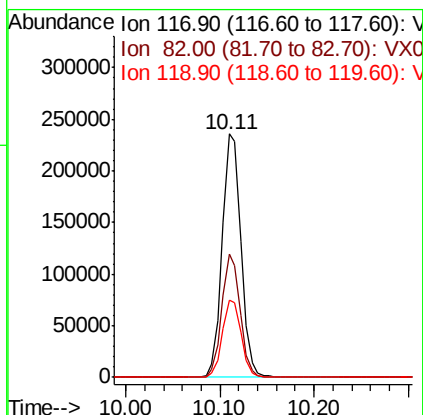
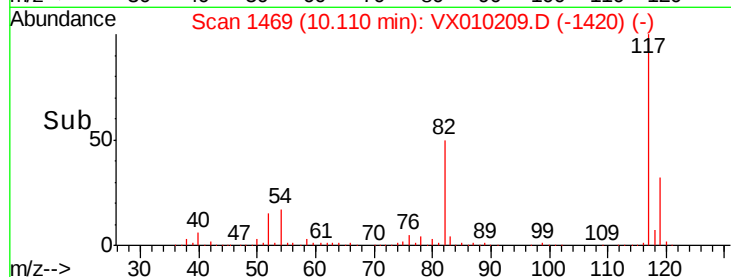
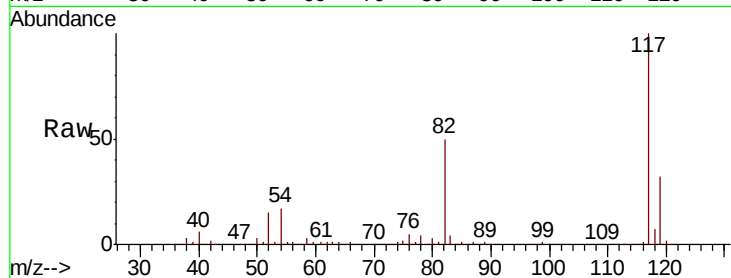




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010209.D
Acq: 11 Jun 2019 04:37

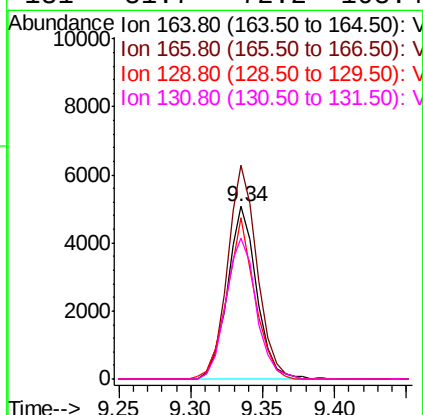
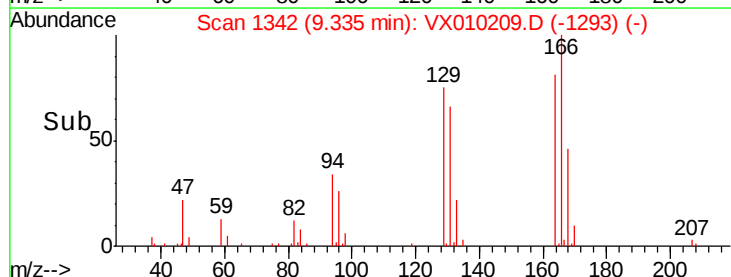
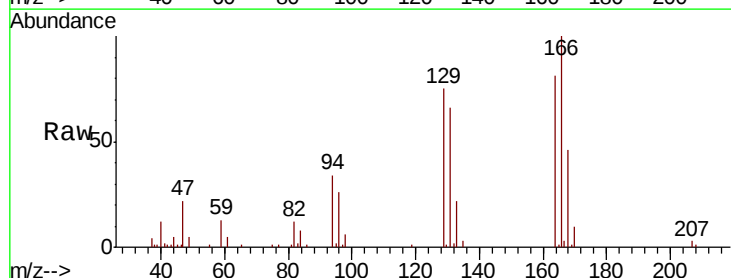
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30311-20190607

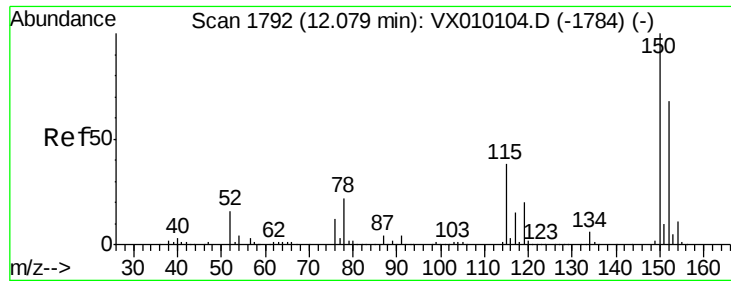
Tot Ion:117 Resp: 326247
Ion Ratio Lower Upper
117 100
82 50.5 49.2 73.8
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 2.992 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010209.D
Acq: 11 Jun 2019 04:37

Tgt Ion:164 Resp: 7251
Ion Ratio Lower Upper
164 100
166 123.6 105.0 157.4
129 93.2 75.1 112.7
131 81.7 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: VX010209.D

Acq: 11 Jun 2019 04:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30311-20190607

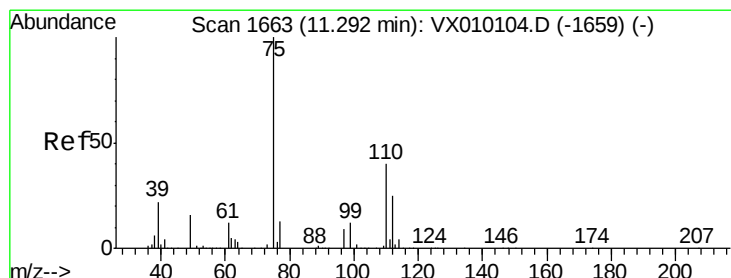
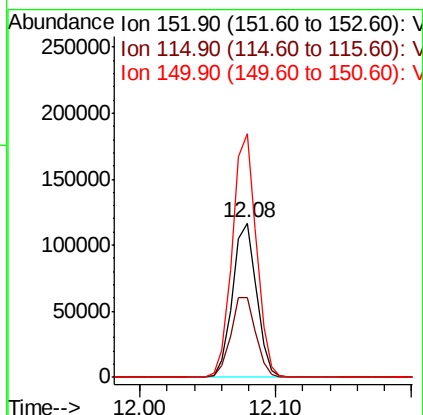
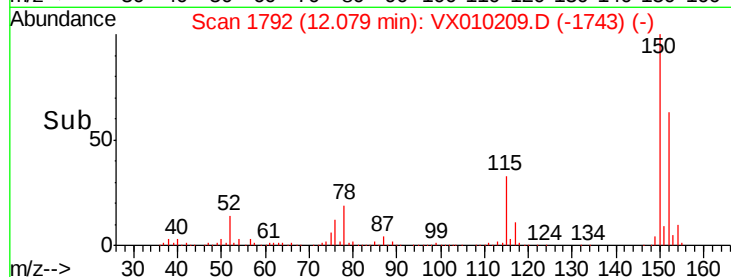
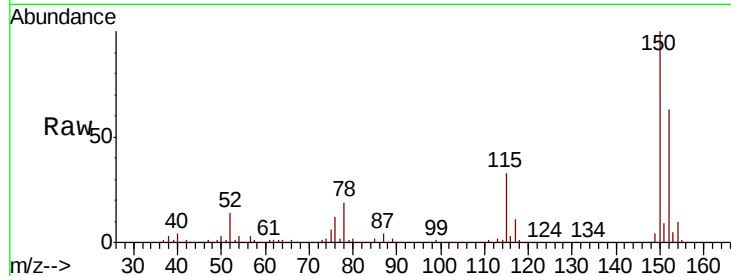
Tot Ion:152 Resp: 143313

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

150 158.6 0.0 345.2



#76

1,2,3-Trichloropropane

Concen: 22.925 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010209.D

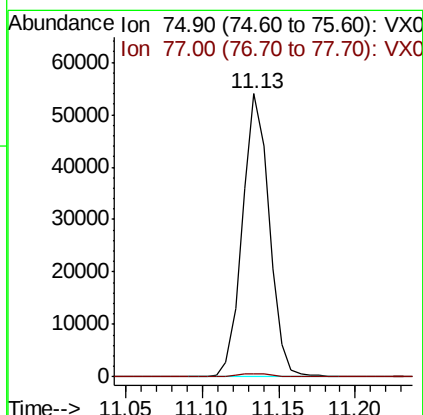
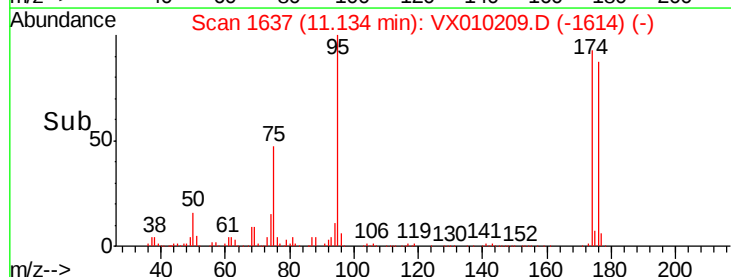
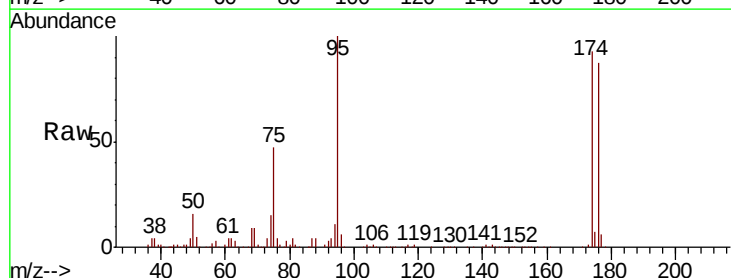
Acq: 11 Jun 2019 04:37

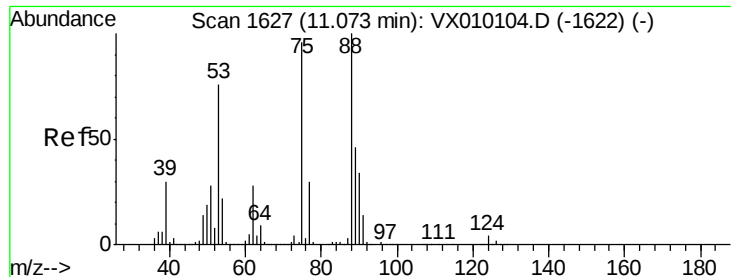
Tgt Ion: 75 Resp: 65716

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.652 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010209.D
 Acq: 11 Jun 2019 04:37

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30311-20190607

Tot Ion: 75 Resp: 65716
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.0 34.2 51.4#

