

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010186.D
 Acq On : 10 Jun 2019 18:29
 Operator : JC/SP
 Sample : K3279-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190607

Quant Time: Jun 11 02:39:41 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	256535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155521	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	114576	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.50	113	119035	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.71	98	446282	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	147986	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

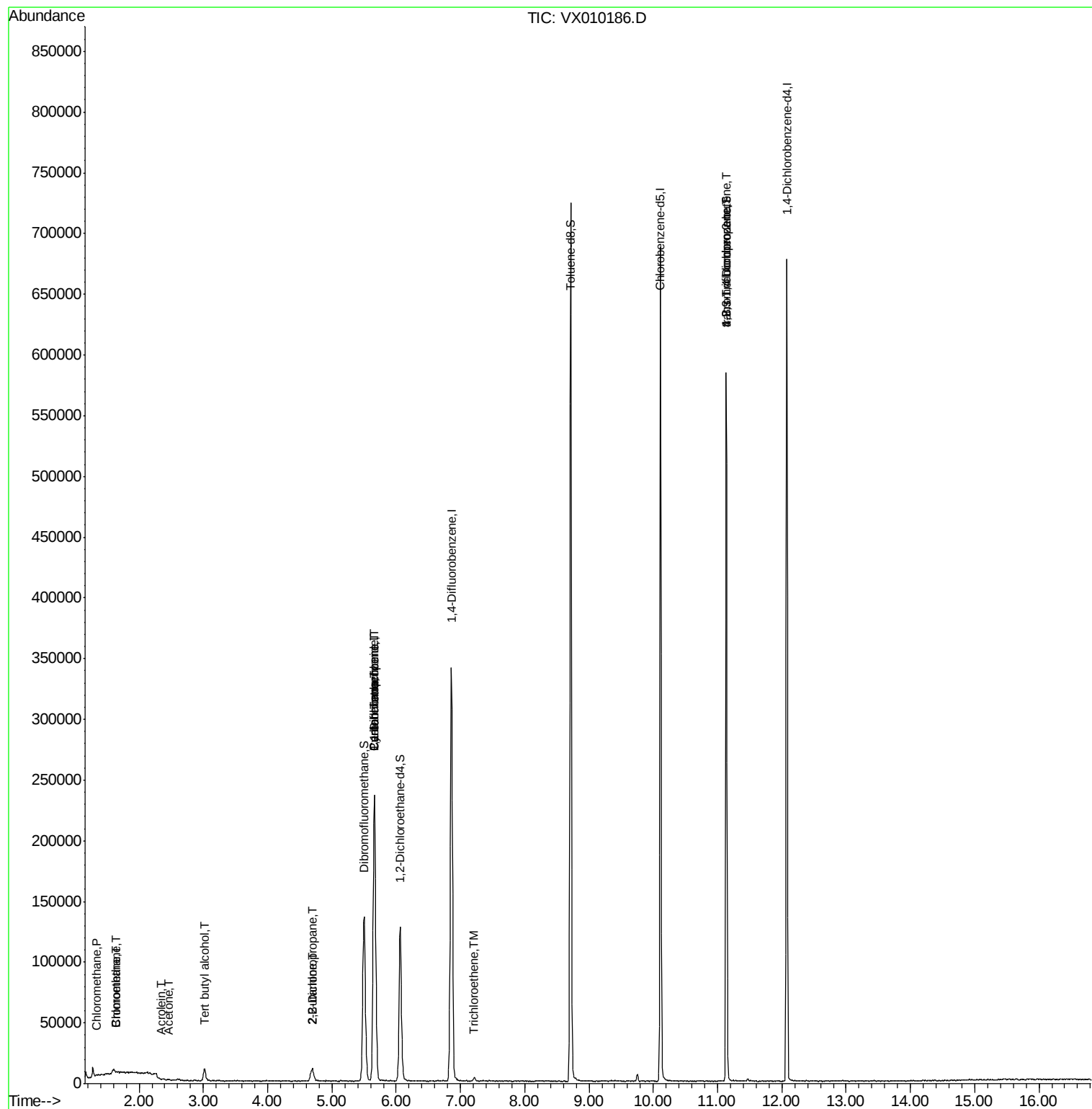
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	532	0.227	ug/l #	88
5) Bromomethane	1.64	94	435	0.523	ug/l #	30
6) Chloroethane	1.64	64	2405	2.165	ug/l #	43
11) Tert butyl alcohol	3.02	59	5517	8.994	ug/l #	89
13) Acrolein	2.33	56	41	0.367	ug/l #	1
16) Acetone	2.45	43	484	0.411	ug/l #	74
25) 2-Butanone	4.68	43	376	0.214	ug/l #	54
26) 2,2-Dichloropropane	4.69	77	1223	0.332	ug/l #	53
31) Cyclohexane	5.66	56	4184	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15133	4.817	ug/l #	52
38) Carbon Tetrachloride	5.66	117	21788	6.127	ug/l #	16
44) Trichloroethene	7.21	130	983	0.336	ug/l	59
76) 1,2,3-Trichloropropane	11.13	75	67565	21.720	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67565	47.989	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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Quant Time: Jun 11 02:39:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
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: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

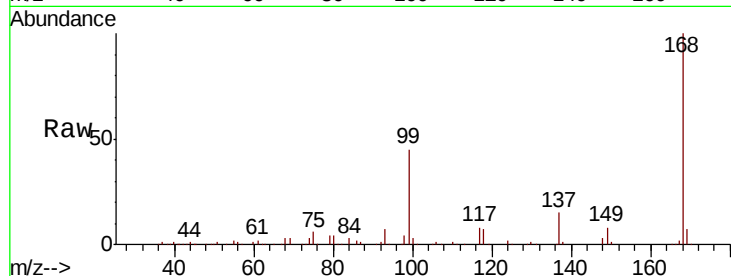
BP-TB04-20190607

Tot Ion:168 Resp: 256535

Ion Ratio Lower Upper

168 100

99 44.8 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

80000

60000

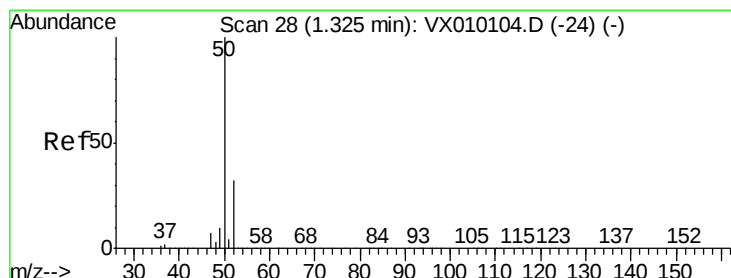
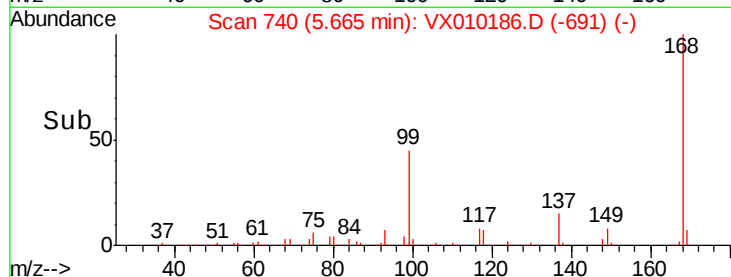
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010186.D

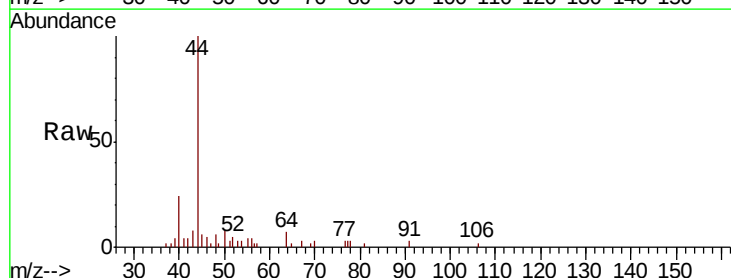
Acq: 10 Jun 2019 18:29

Tgt Ion: 50 Resp: 532

Ion Ratio Lower Upper

50 100

52 39.1 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

250

200

150

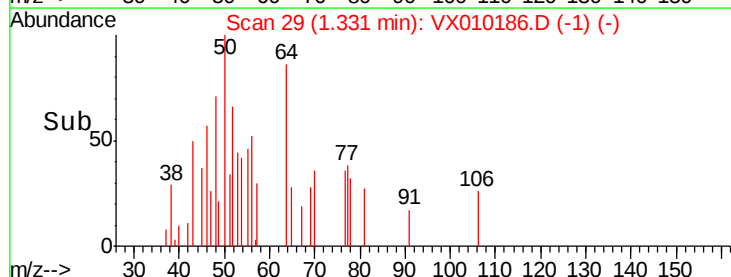
100

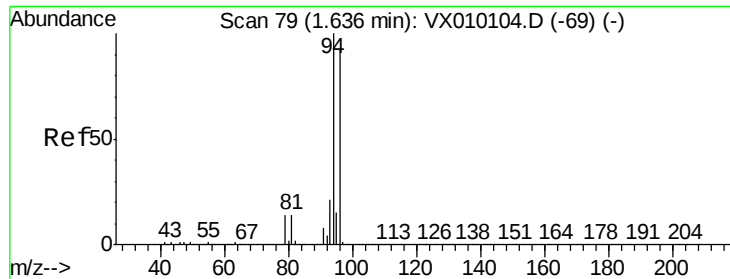
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.523 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

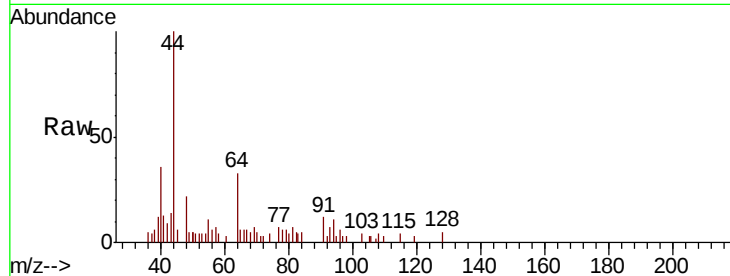
BP-TB04-20190607

Tot Ion: 94 Resp: 435

Ion Ratio Lower Upper

94 100

96 27.2 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

250

200

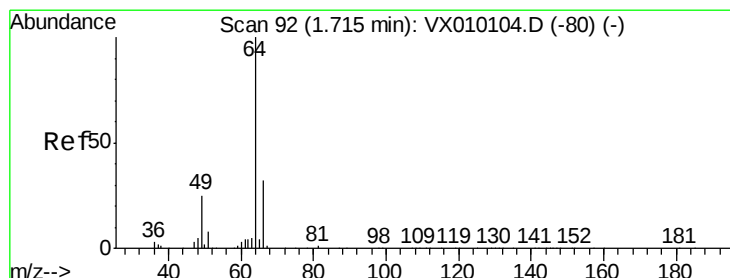
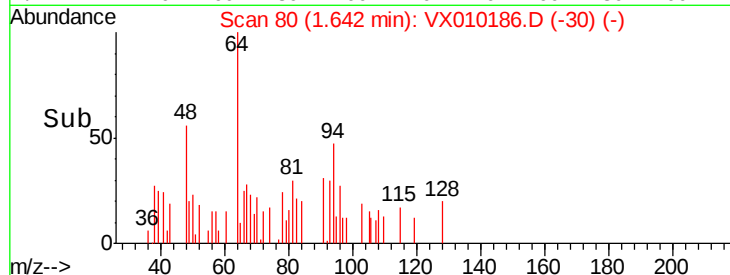
150

100

50

0

Time-->



#6

Chloroethane

Concen: 2.165 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010186.D

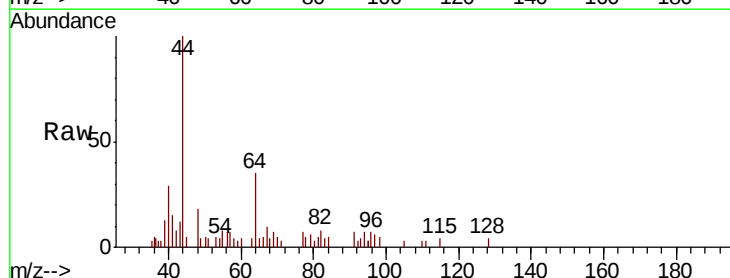
Acq: 10 Jun 2019 18:29

Tgt Ion: 64 Resp: 2405

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.64

800

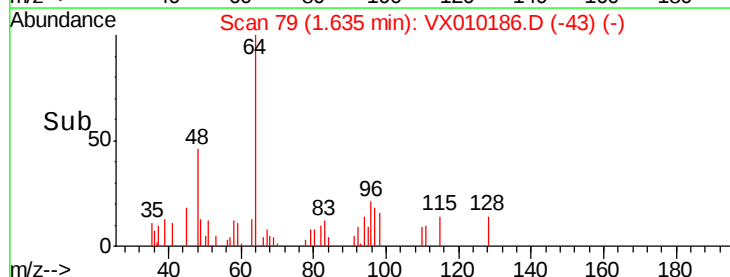
600

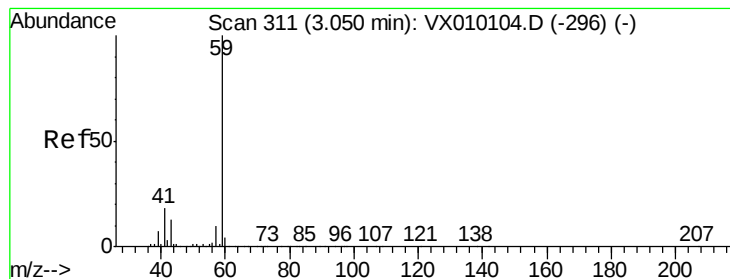
400

200

0

Time-->



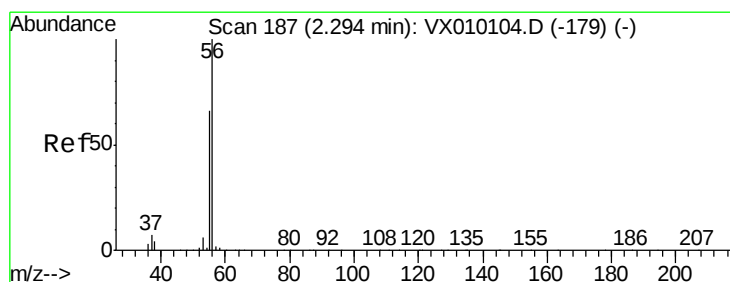
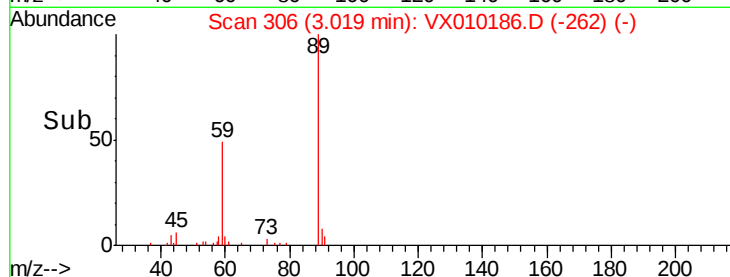
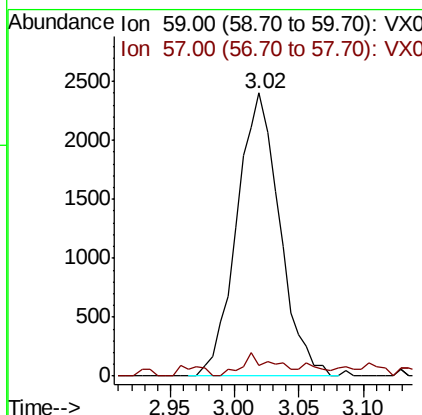
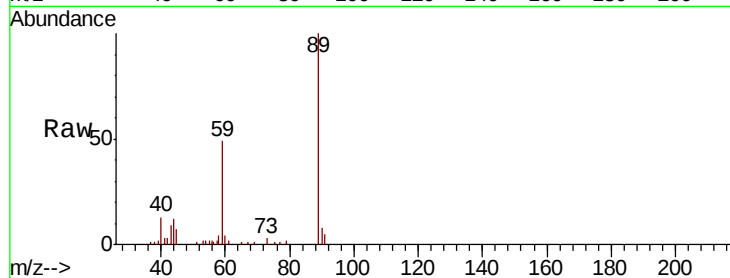


#11

Tert butyl alcohol
 Concen: 8.994 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190607

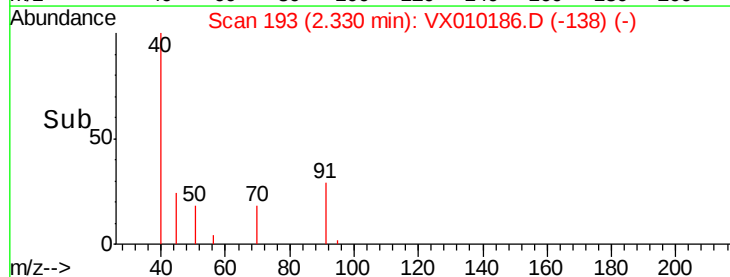
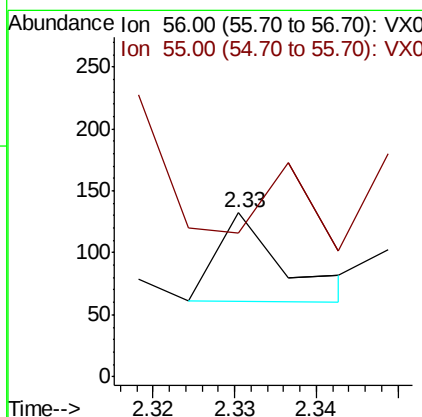
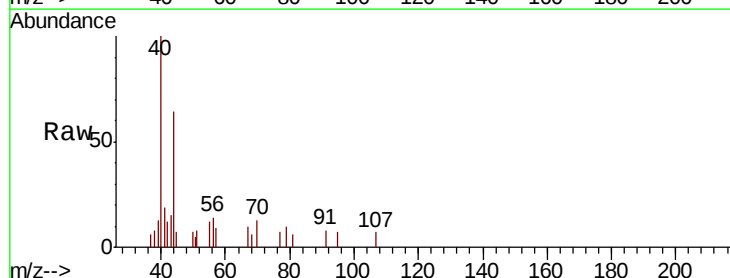
Tot Ion: 59 Resp: 5517
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.2 12.2#

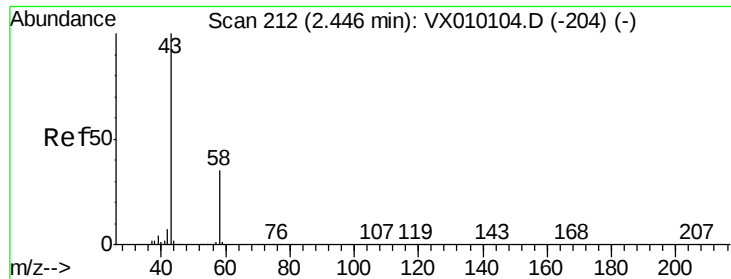


#13

Acrolein
 Concen: 0.367 ug/l
 RT: 2.33 min Scan# 193
 Delta R.T. 0.04 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 356.1 57.0 85.4#

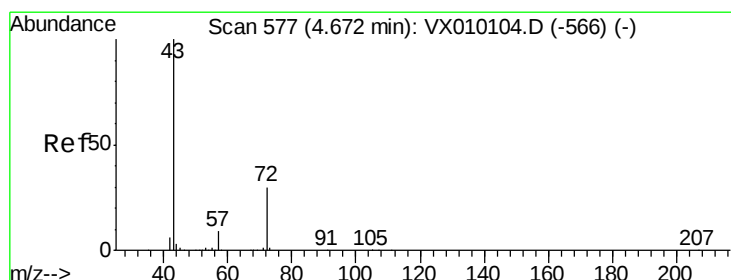
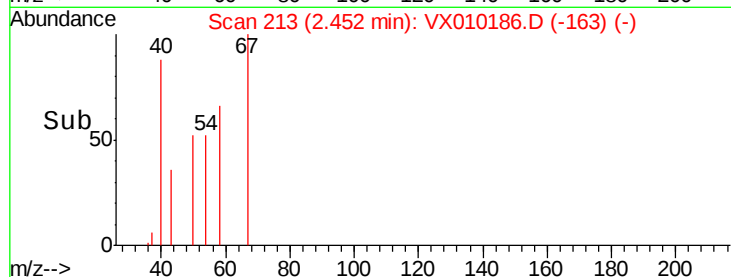
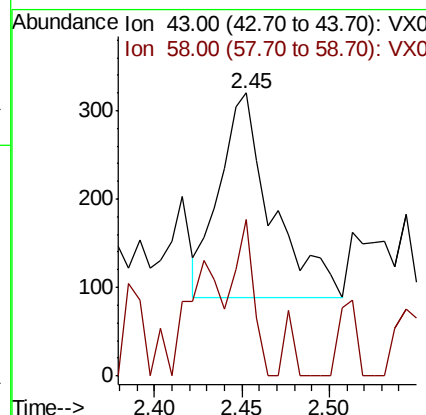
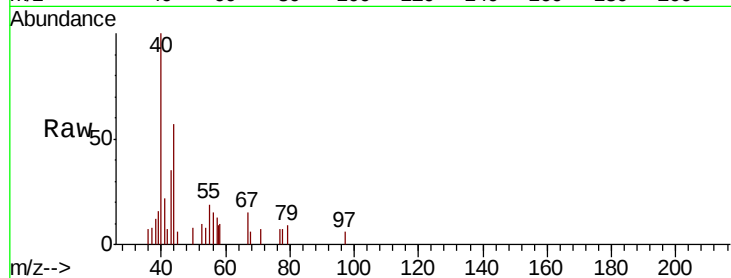




#16
Acetone
Concen: 0.411 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX010186.D
Acq: 10 Jun 2019 18:29

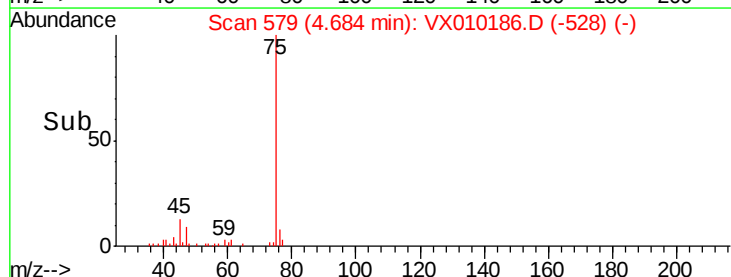
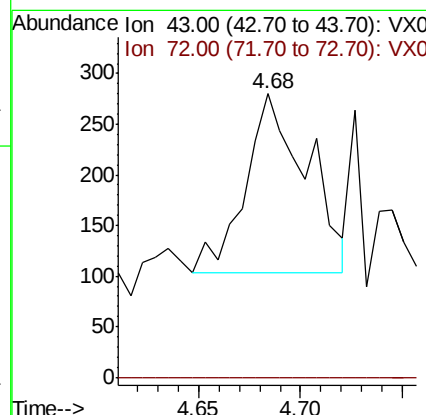
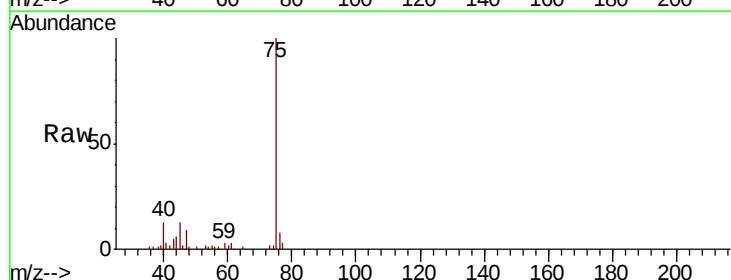
Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190607

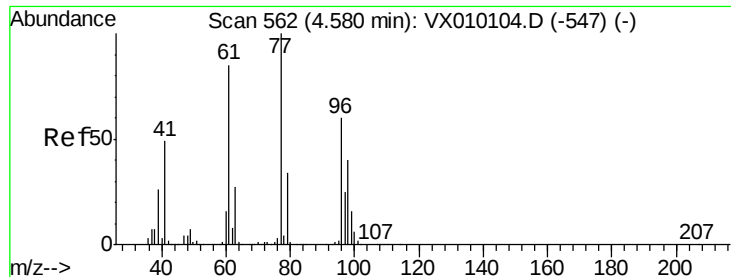
Tot Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
58 43.1 23.2 34.8#



#25
2-Butanone
Concen: 0.214 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010186.D
Acq: 10 Jun 2019 18:29

Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#





#26

2,2-Dichloropropane

Concen: 0.332 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.11 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

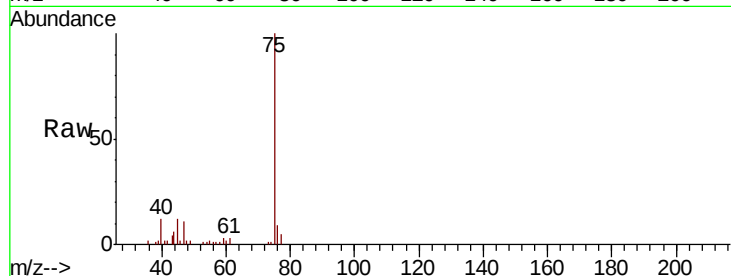
BP-TB04-20190607

Tot Ion: 77 Resp: 1223

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.69

300

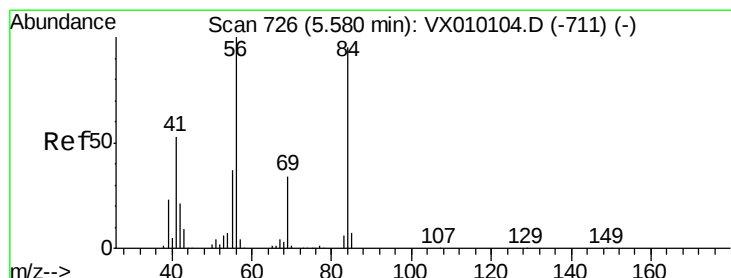
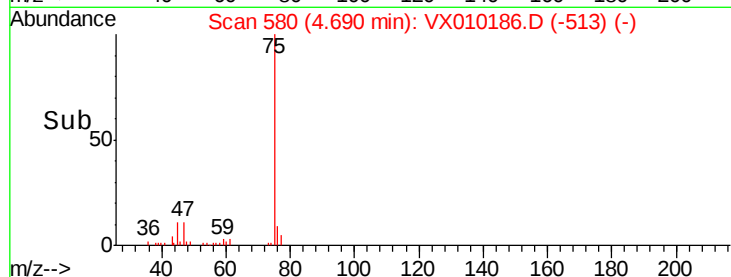
200

100

0

4.60 4.65 4.70 4.75 4.80

Time-->



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

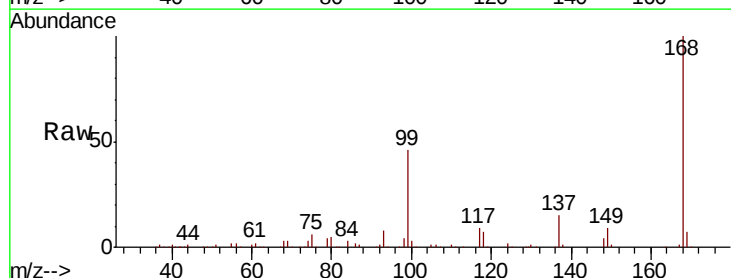
Tgt Ion: 56 Resp: 4184

Ion Ratio Lower Upper

56 100

69 175.9 21.6 32.4#

84 164.8 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

3000

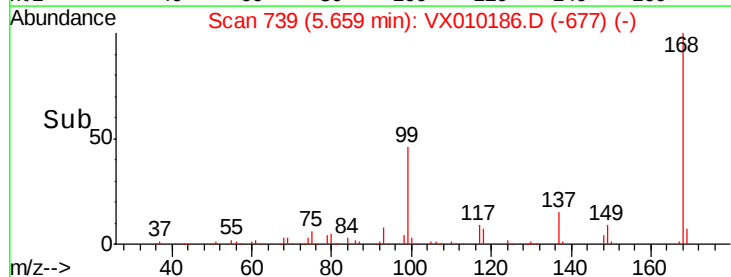
2000

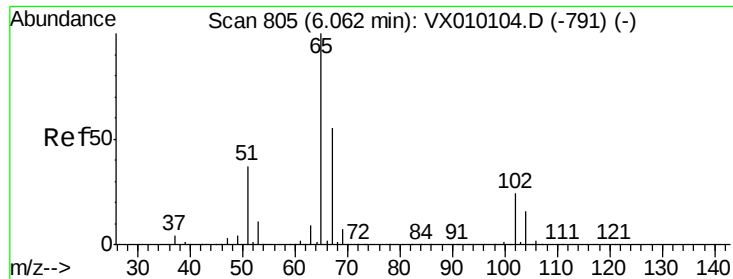
1000

0

5.55 5.60 5.65 5.70 5.75

Time-->

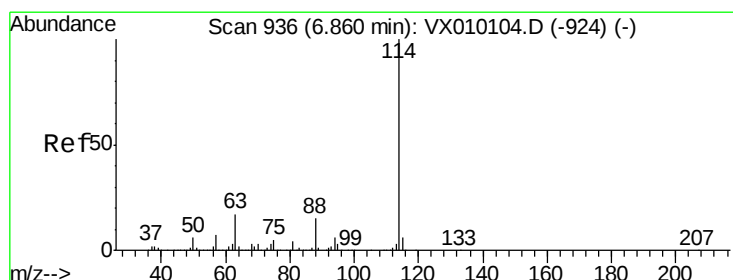
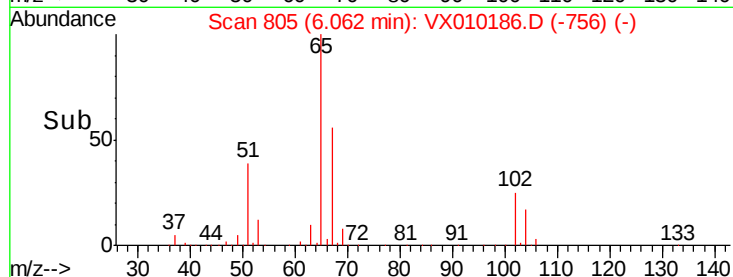
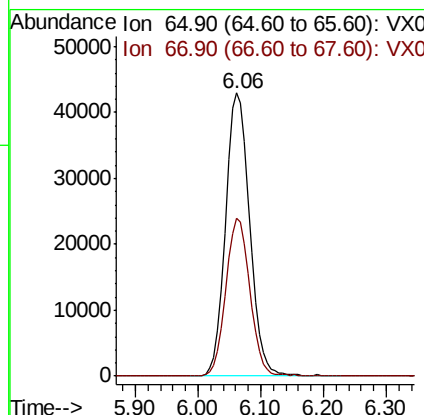
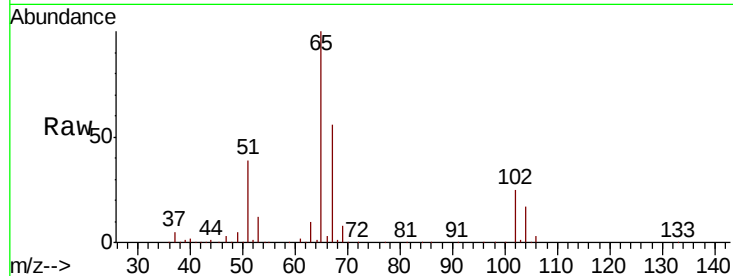




#33
 1,2-Dichloroethane-d4
 Concen: 45.756 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

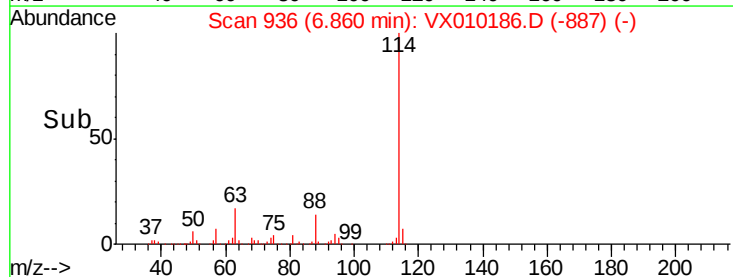
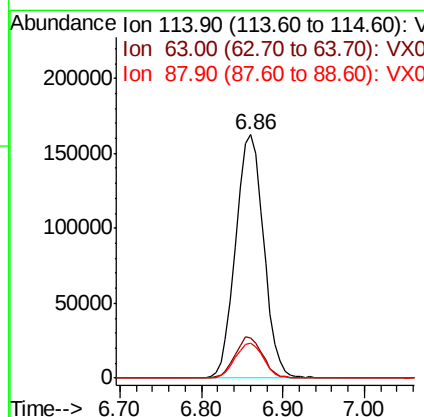
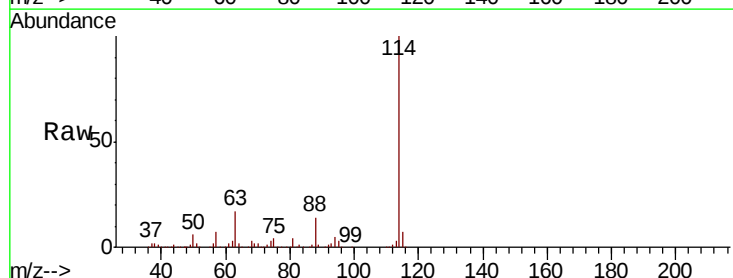
Instrument :
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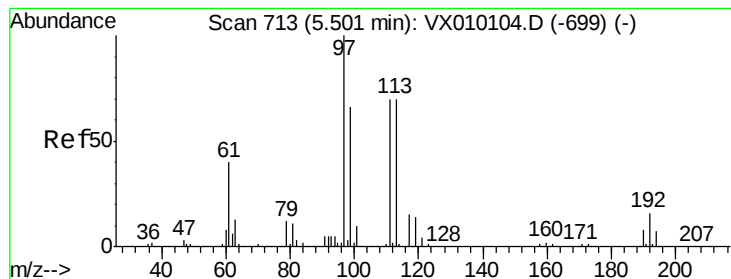
Tot Ion: 65 Resp: 114576
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

Tgt Ion: 114 Resp: 385094
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 47.4
 88 14.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.113 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190607

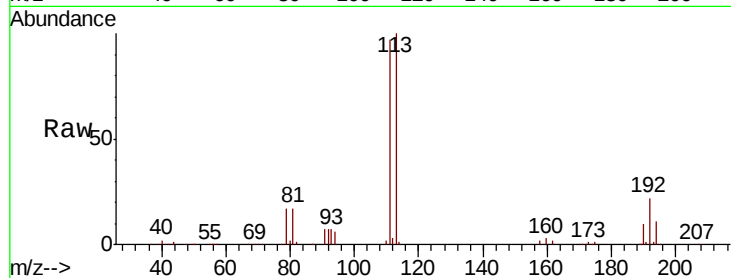
Tot Ion:113 Resp: 119035

Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.2

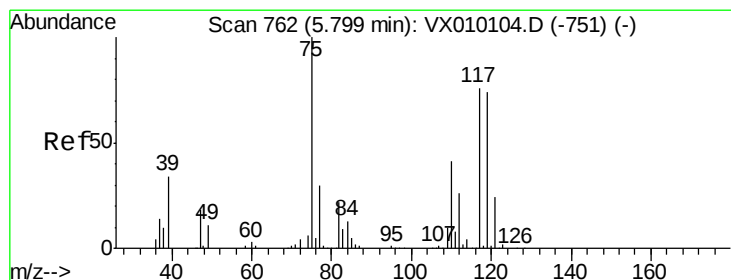
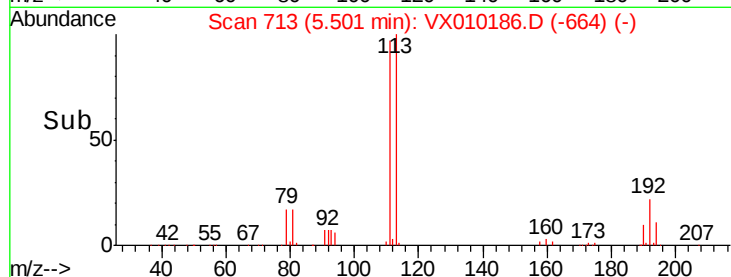
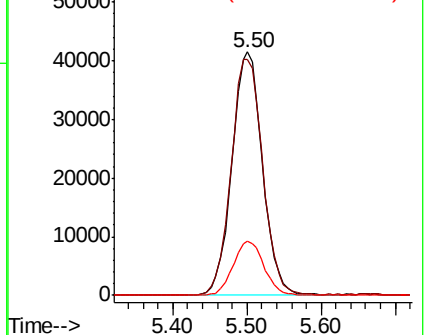
192 22.5 17.1 25.7



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: 4.817 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

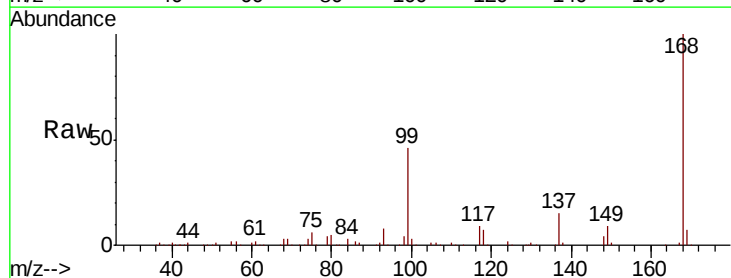
Tgt Ion: 75 Resp: 15133

Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

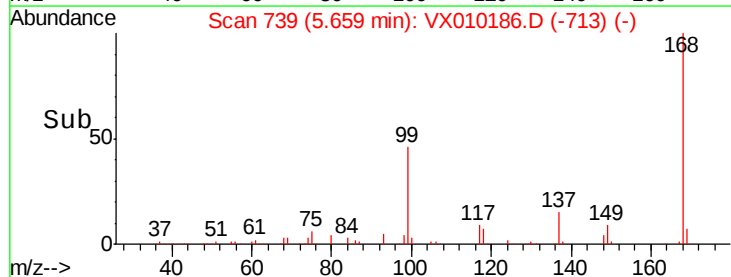
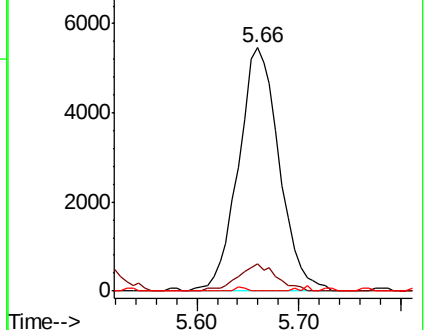
77 0.4 25.0 37.4#

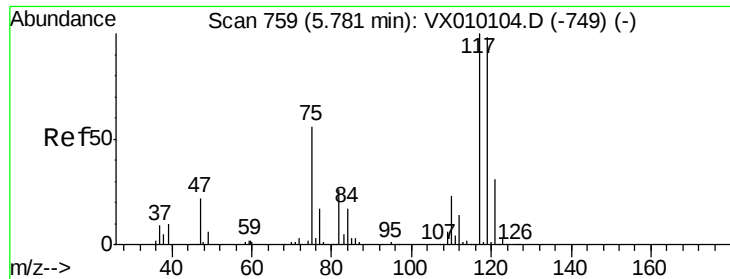


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

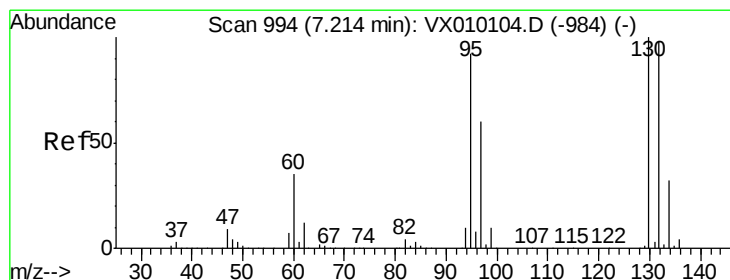
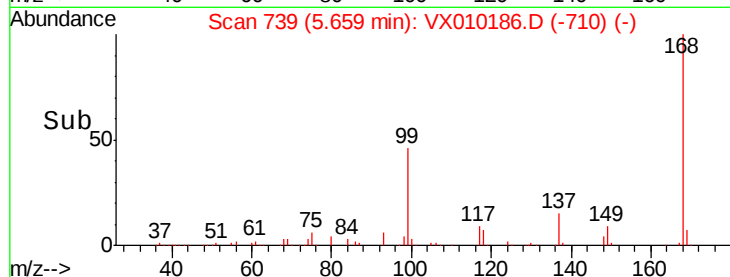
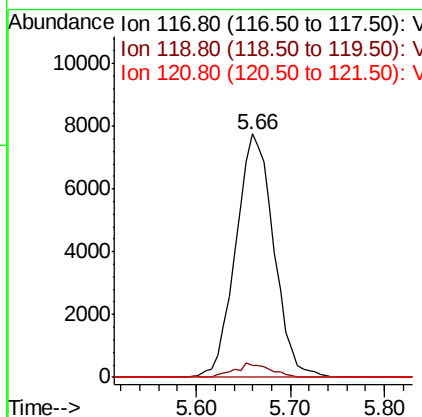
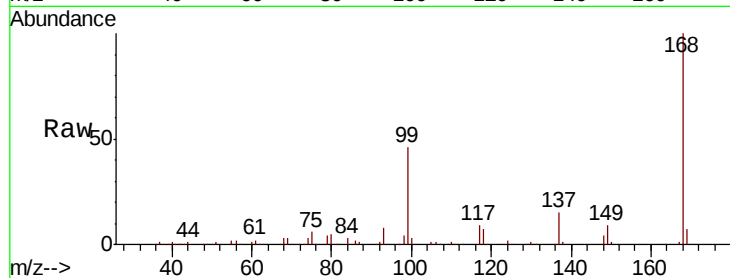




#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010186.D
Acq: 10 Jun 2019 18:29

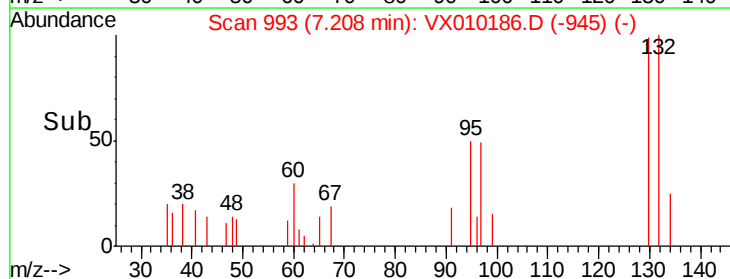
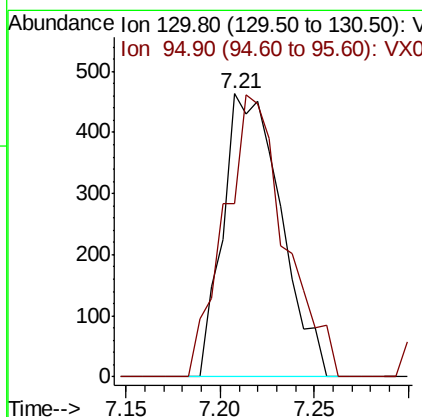
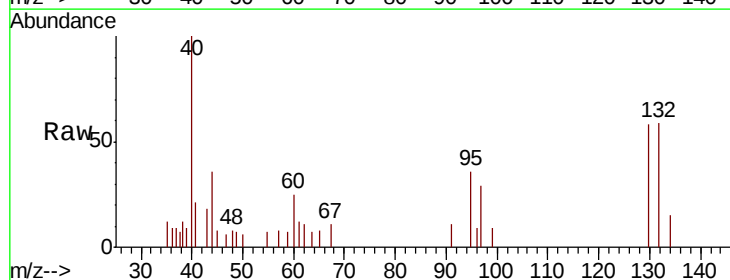
Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190607

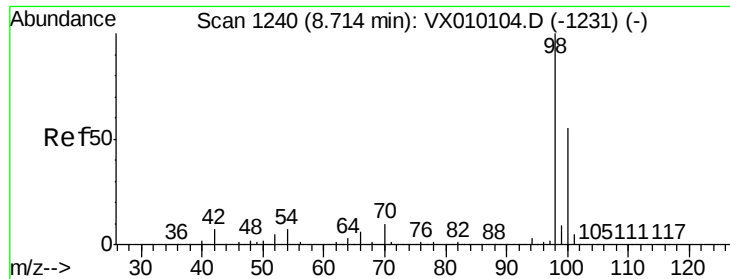
Tot Ion:117 Resp: 21788
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 0.336 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010186.D
Acq: 10 Jun 2019 18:29

Tgt Ion:130 Resp: 983
Ion Ratio Lower Upper
130 100
95 61.3 0.0 207.4





#50

Toluene-d8

Concen: 50.130 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

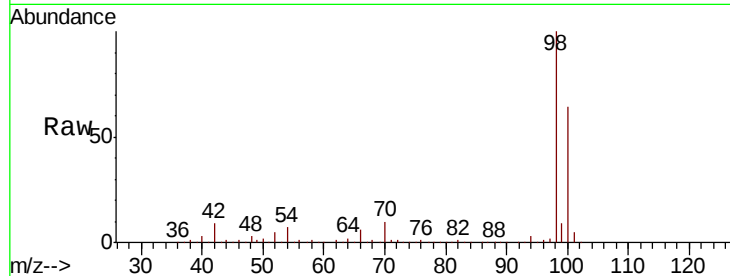
BP-TB04-20190607

Tot Ion: 98 Resp: 446282

Ion Ratio Lower Upper

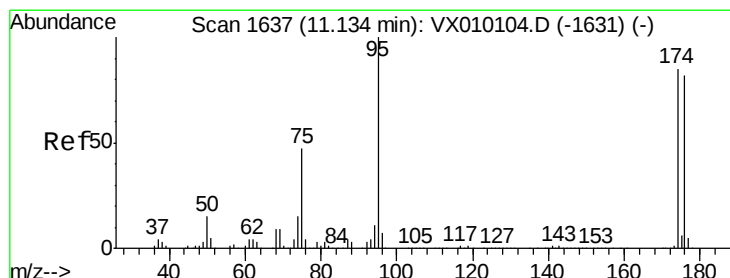
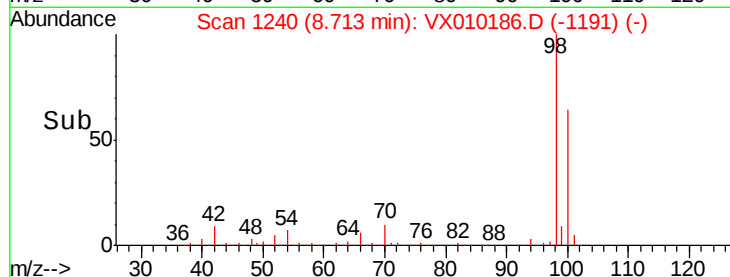
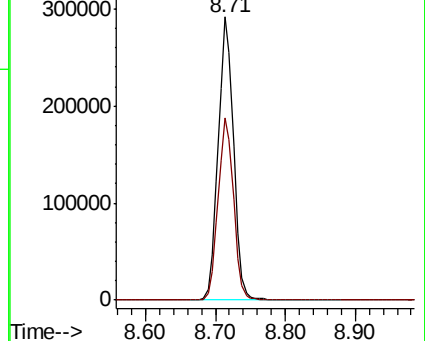
98 100

100 64.6 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: 44.511 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

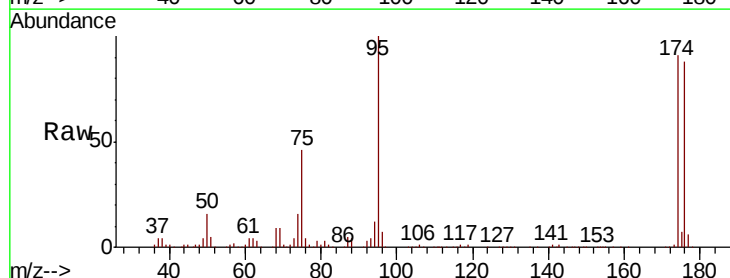
Tgt Ion: 95 Resp: 147986

Ion Ratio Lower Upper

95 100

174 95.8 0.0 160.4

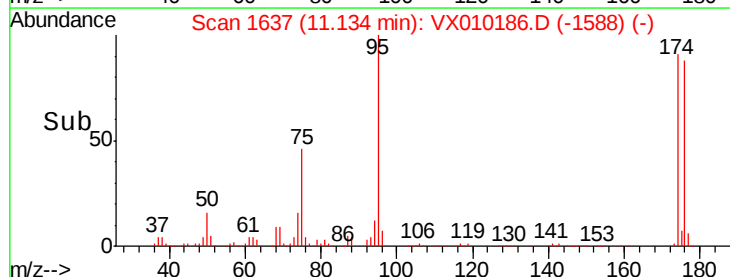
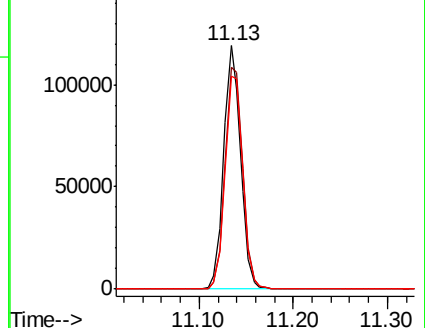
176 92.0 0.0 154.6

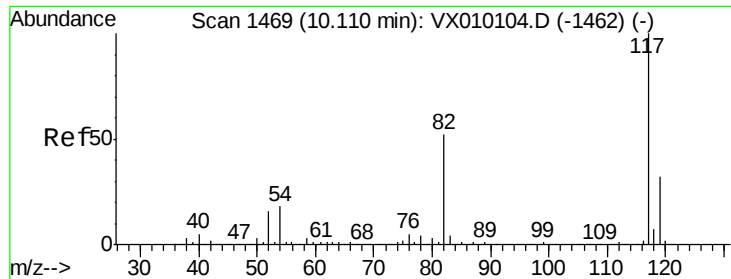


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

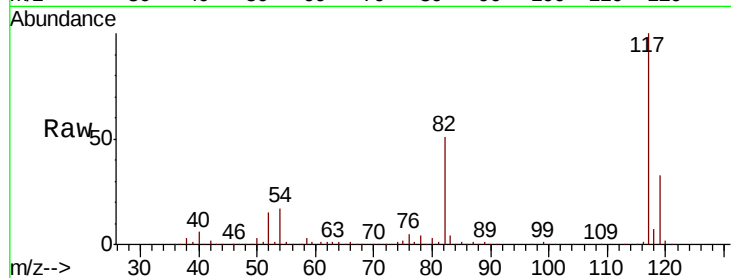




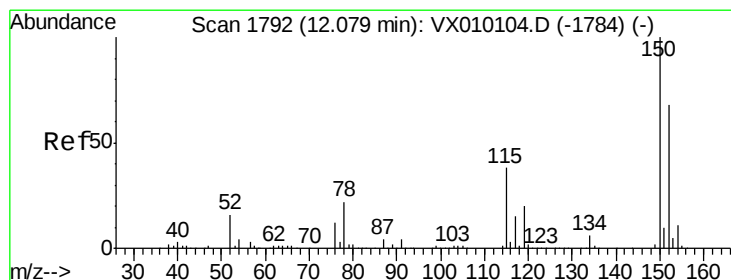
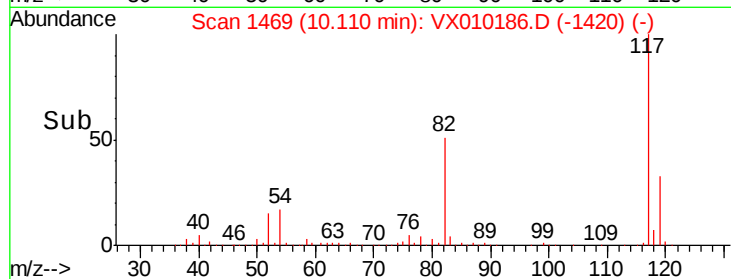
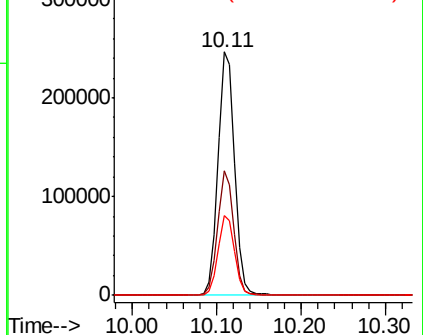
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190607

Tot Ion:117 Resp: 338438
 Ion Ratio Lower Upper
 117 100
 82 51.0 49.2 73.8
 119 32.8 25.2 37.8

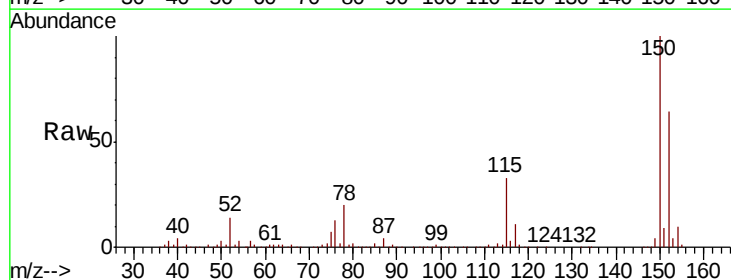


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

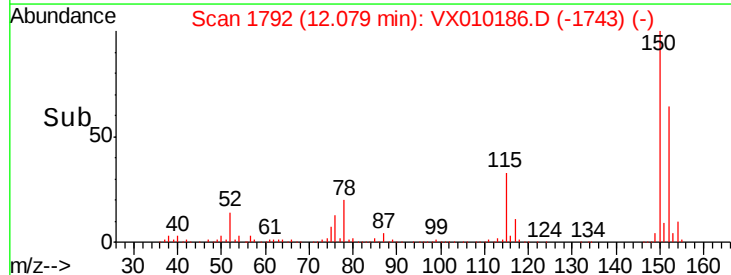
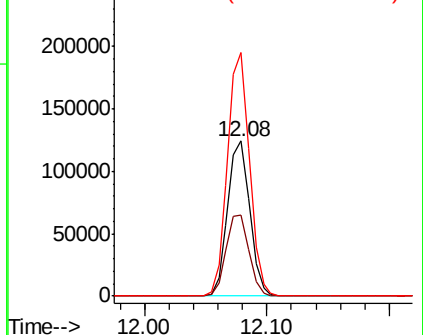


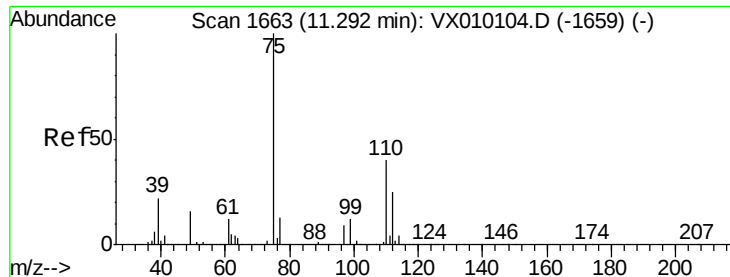
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX010186.D
 Acq: 10 Jun 2019 18:29

Tgt Ion:152 Resp: 155521
 Ion Ratio Lower Upper
 152 100
 115 54.0 41.4 124.2
 150 156.0 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: 21.720 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

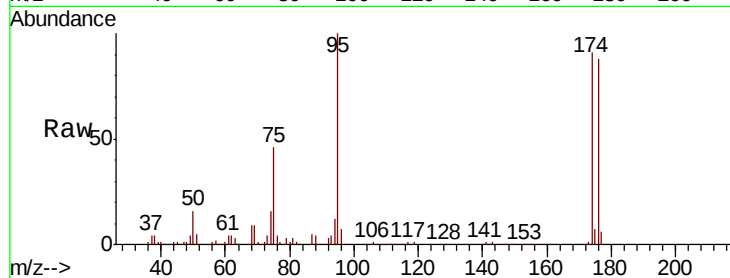
BP-TB04-20190607

Tot Ion: 75 Resp: 67565

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

11.13

60000

50000

40000

30000

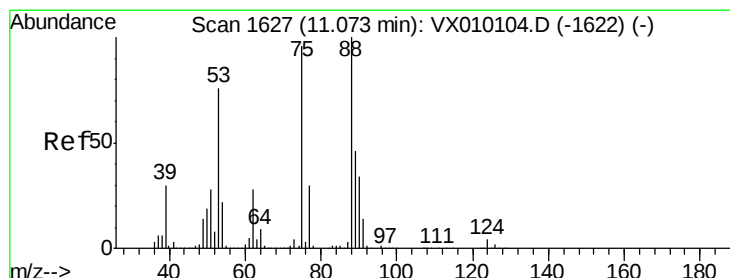
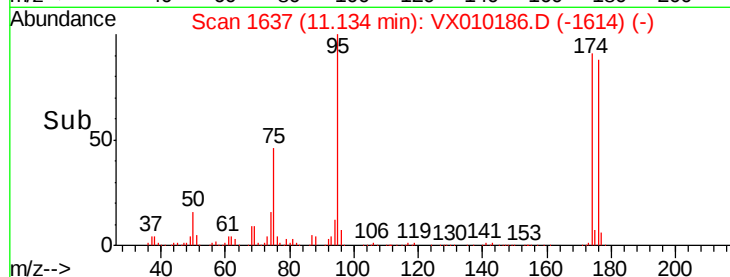
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 47.989 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010186.D

Acq: 10 Jun 2019 18:29

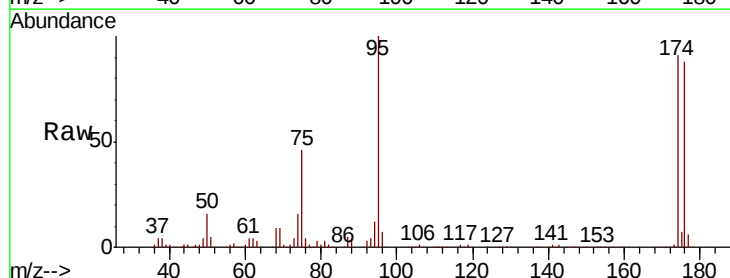
Tgt Ion: 75 Resp: 67565

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

40000

20000

0

Time-->

11.10 11.20

