

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010140.D
 Acq On : 08 Jun 2019 15:56
 Operator : JC/SP
 Sample : K3221-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB02-20190604

Quant Time: Jun 10 08:00:25 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	310935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	466379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	418764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194856	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	138146	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.04%		
35) Dibromofluoromethane	5.50	113	143945	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.08%		
50) Toluene-d8	8.71	98	546038	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.30%		
62) 4-Bromofluorobenzene	11.13	95	189006	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.88%		

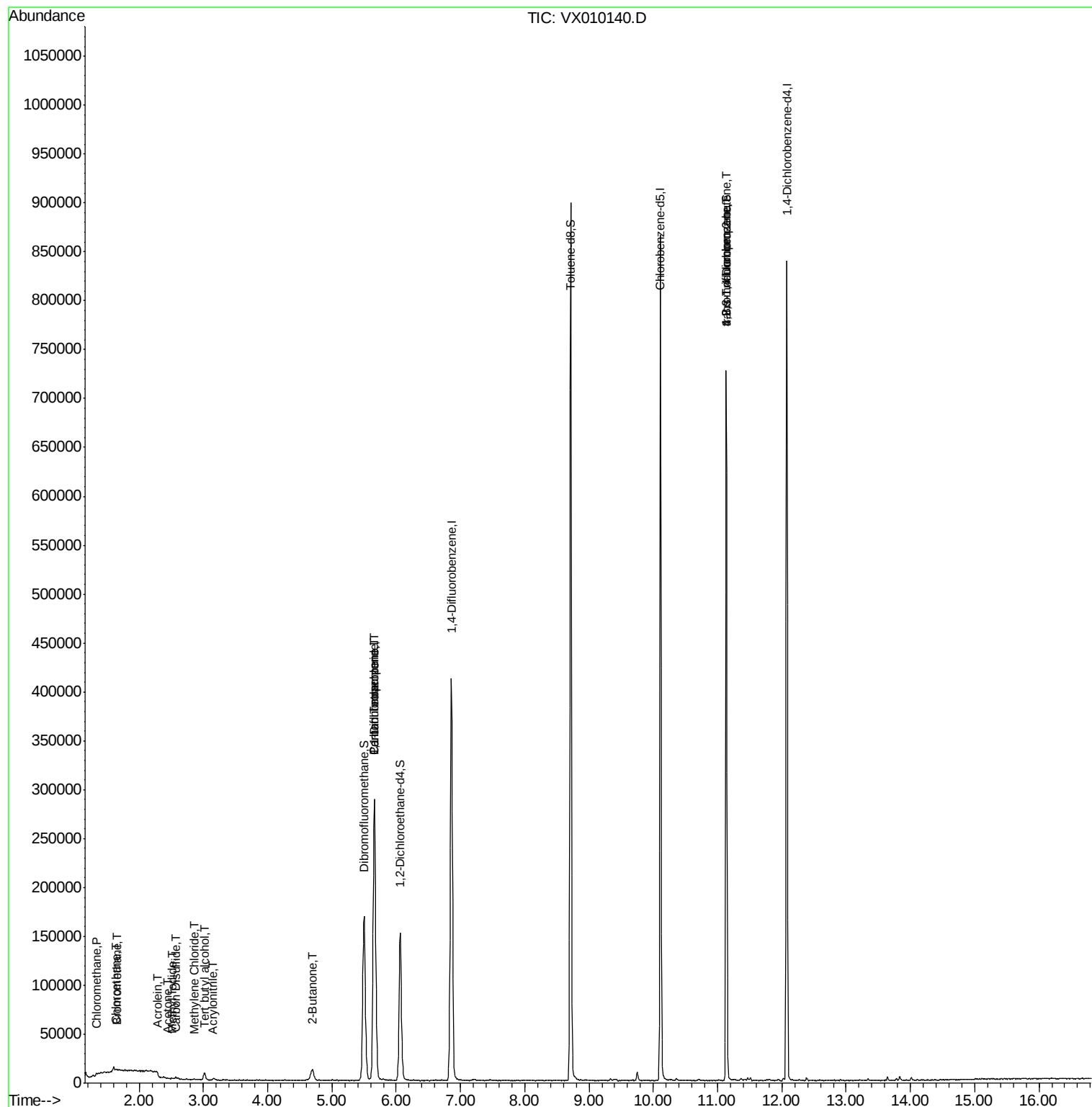
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	641	0.226	ug/l	90
5) Bromomethane	1.65	94	395	0.392	ug/l #	45
6) Chloroethane	1.64	64	875	0.650	ug/l #	43
10) Methyl Iodide	2.52	142	1205	0.284	ug/l #	96
11) Tert butyl alcohol	3.02	59	4221	5.677	ug/l #	76
13) Acrolein	2.28	56	158	1.165	ug/l #	14
15) Acrylonitrile	3.15	53	517	0.340	ug/l #	67
16) Acetone	2.45	43	672	0.471	ug/l #	69
17) Carbon Disulfide	2.57	76	2294	0.284	ug/l #	83
20) Methylene Chloride	2.86	84	655	0.209	ug/l #	63
25) 2-Butanone	4.69	43	491	0.231	ug/l #	54
36) 1,1-Dichloropropene	5.66	75	18124	4.763	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26948	6.257	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	86697	22.244	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86697	49.147	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
Data File : VX010140.D
Acq On : 08 Jun 2019 15:56
Operator : JC/SP
Sample : K3221-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB02-20190604

Quant Time: Jun 10 08:00:25 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: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

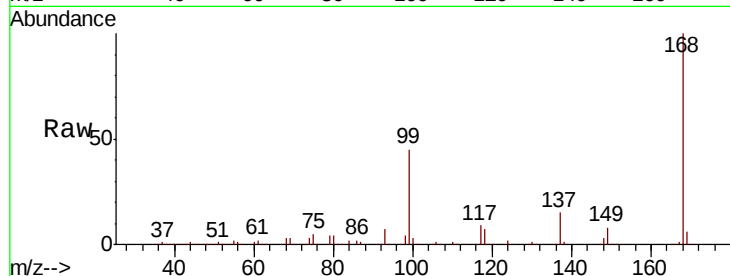
BP-TB02-20190604

Tgt Ion: 168 Resp: 310935

Ion Ratio Lower Upper

168 100

99 44.7 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

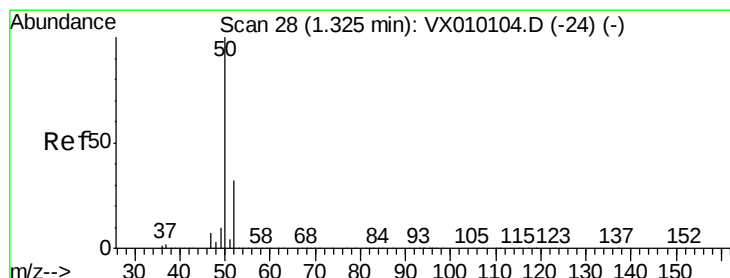
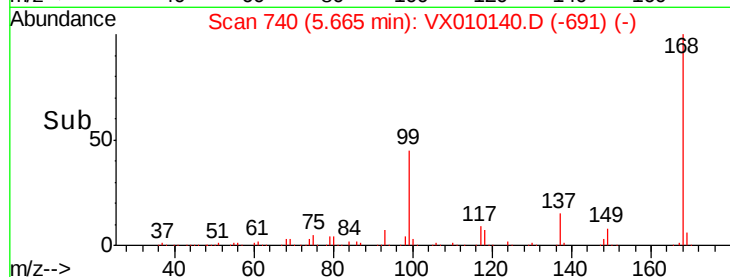
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010140.D

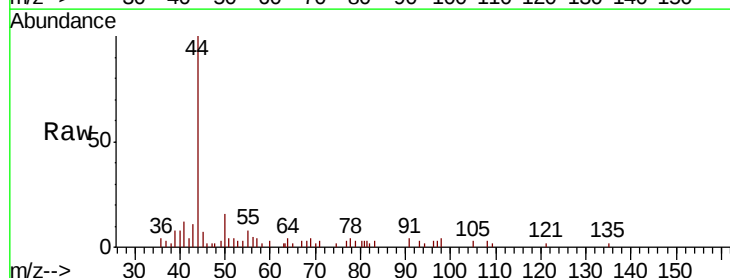
Acq: 08 Jun 2019 15:56

Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

50 100

52 26.8 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

600

500

400

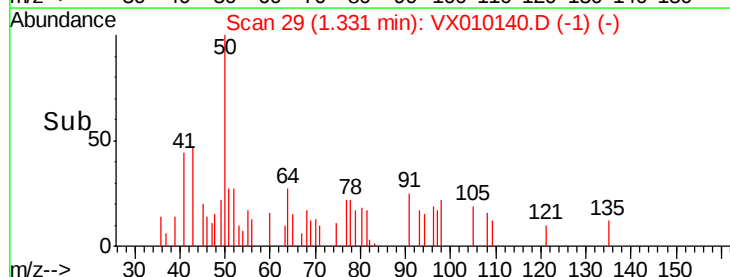
300

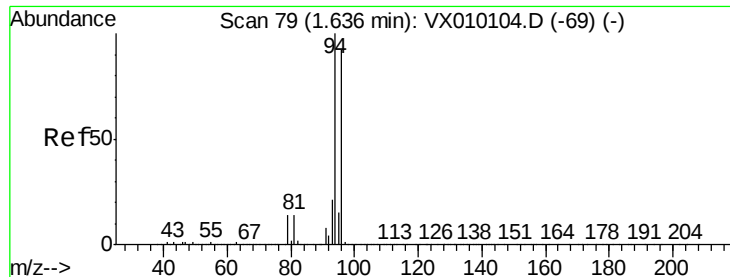
200

100

0

Time-->





#5

Bromomethane

Concen: 0.392 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

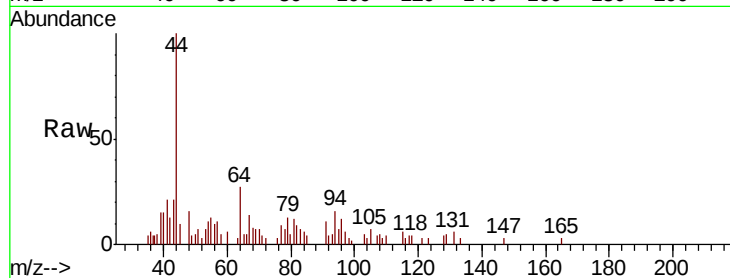
BP-TB02-20190604

Tgt Ion: 94 Resp: 395

Ion Ratio Lower Upper

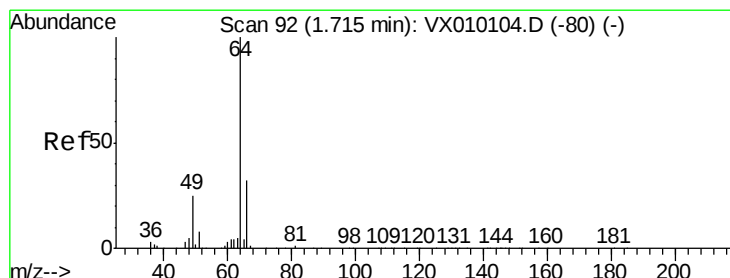
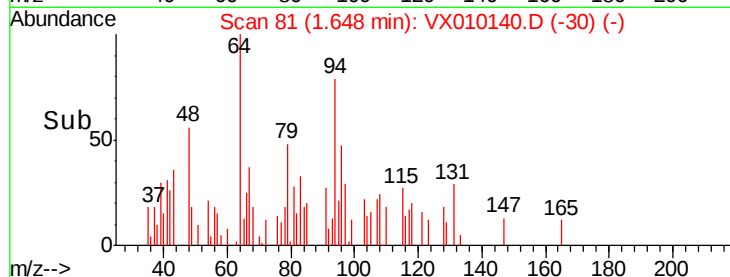
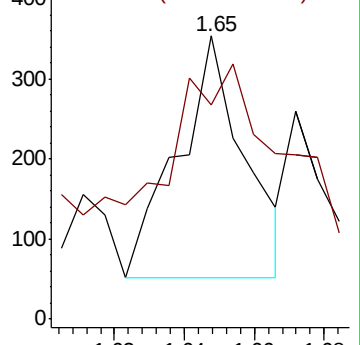
94 100

96 41.9 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: 0.650 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010140.D

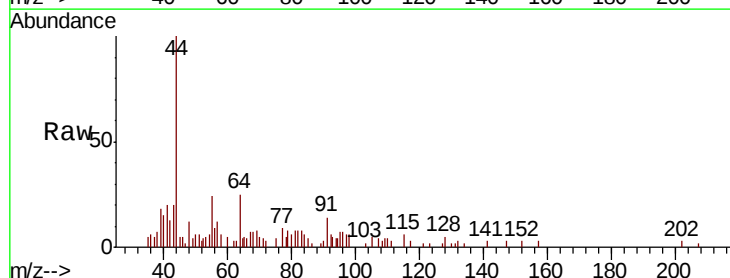
Acq: 08 Jun 2019 15:56

Tgt Ion: 64 Resp: 875

Ion Ratio Lower Upper

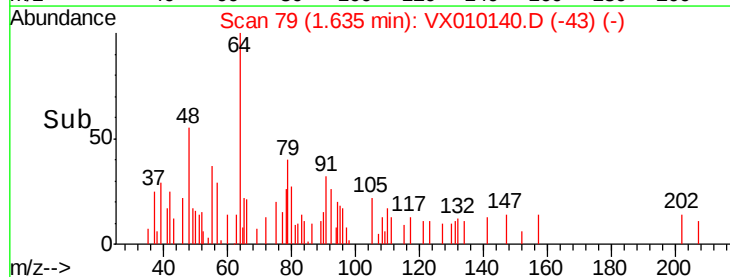
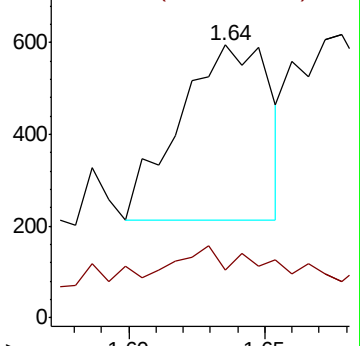
64 100

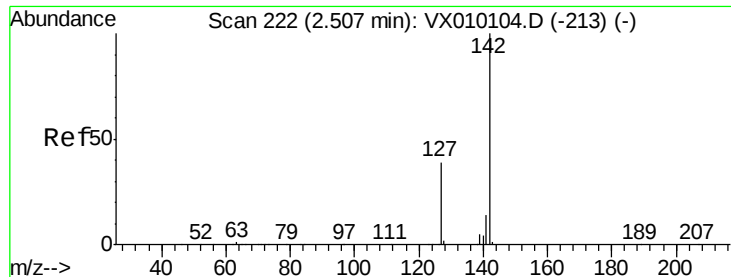
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.284 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

BP-TB02-20190604

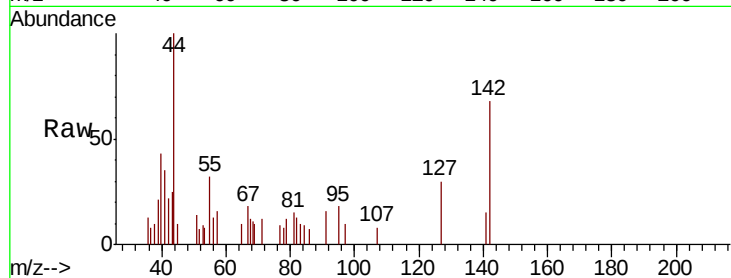
Tgt Ion:142 Resp: 1205

Ion Ratio Lower Upper

142 100

127 40.1 33.0 49.4

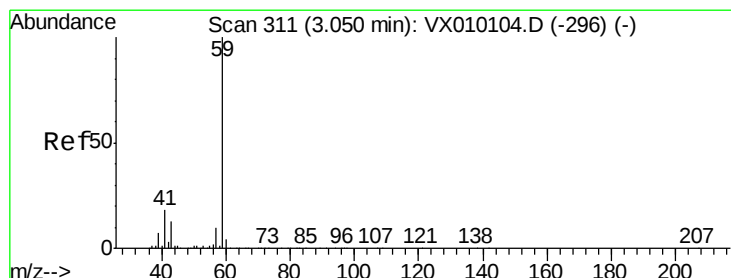
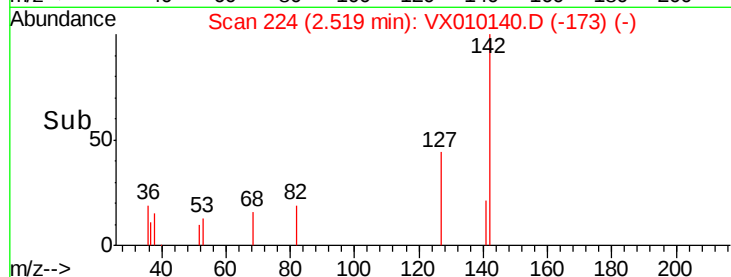
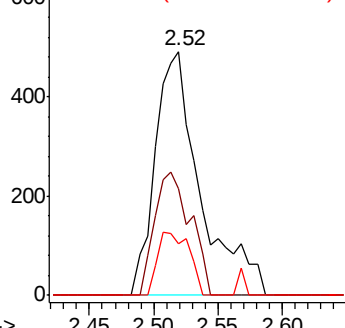
141 18.1 11.4 17.0#



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: 5.677 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010140.D

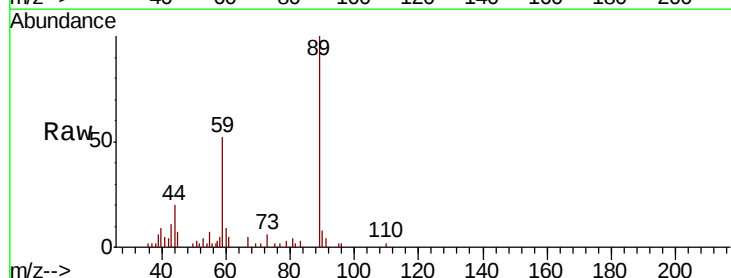
Acq: 08 Jun 2019 15:56

Tgt Ion: 59 Resp: 4221

Ion Ratio Lower Upper

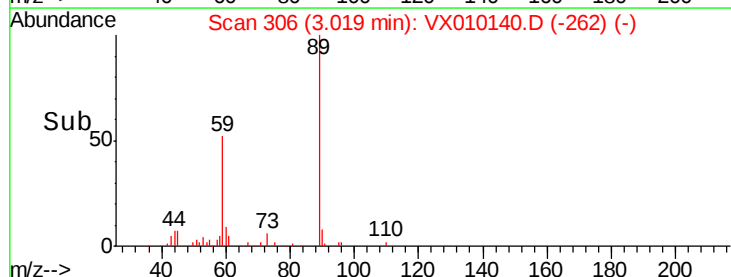
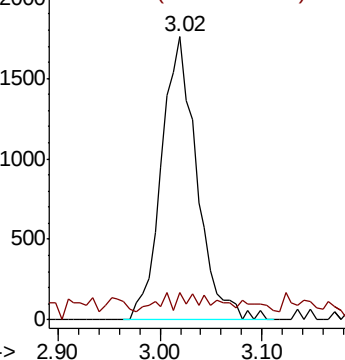
59 100

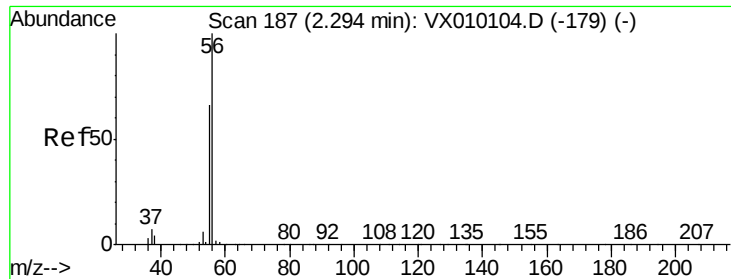
57 1.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.165 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

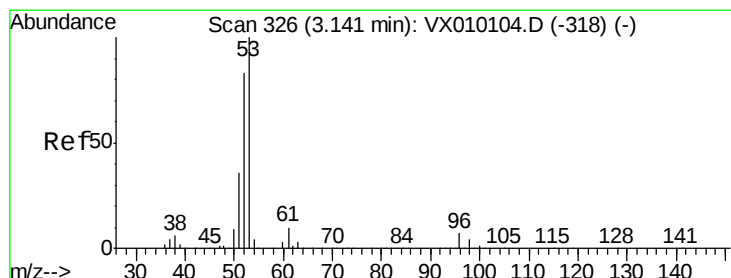
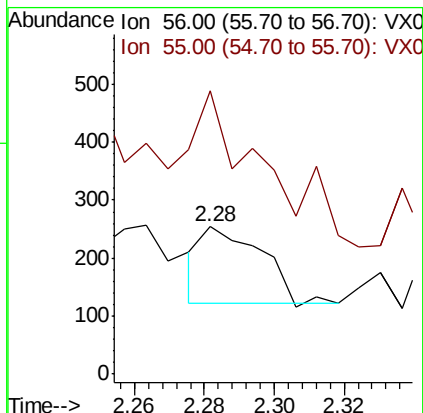
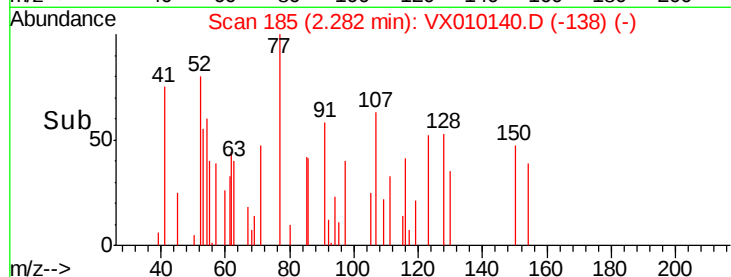
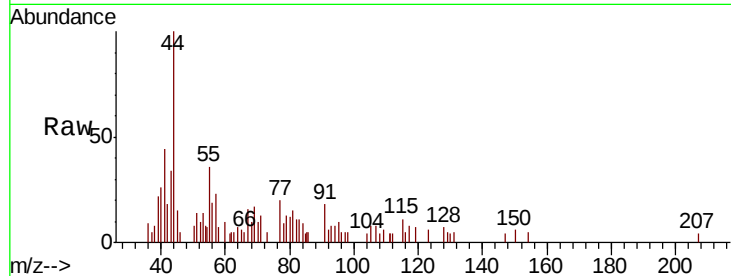
BP-TB02-20190604

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.340 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

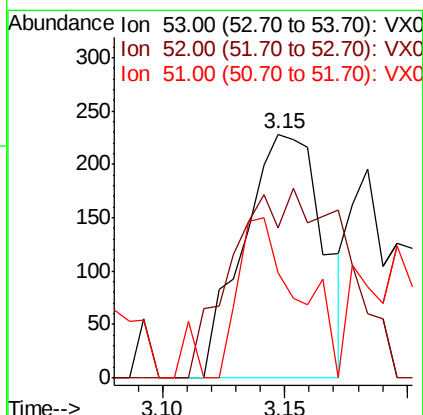
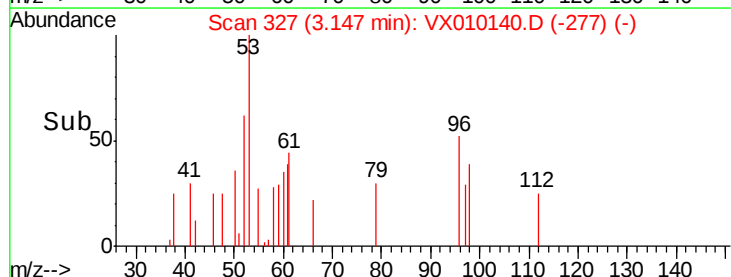
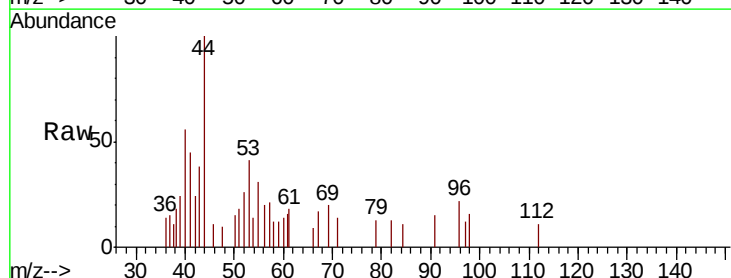
Tgt Ion: 53 Resp: 517

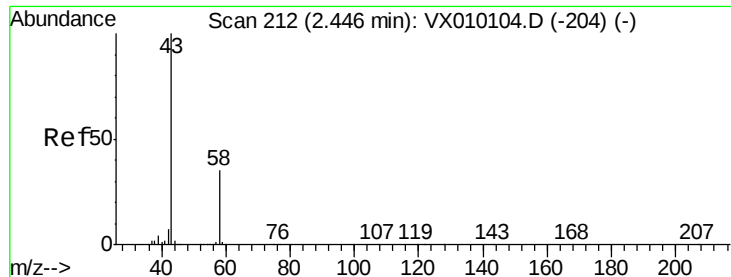
Ion Ratio Lower Upper

53 100

52 50.1 66.7 100.1#

51 49.3 28.8 43.2#





#16

Acetone

Concen: 0.471 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

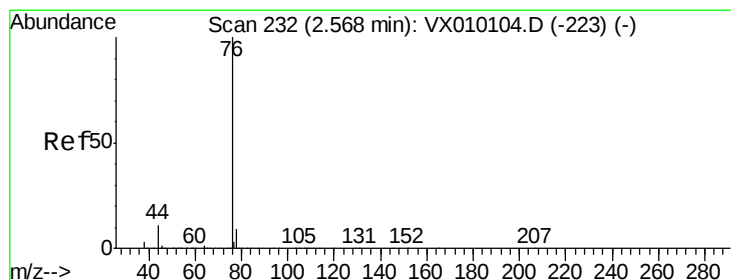
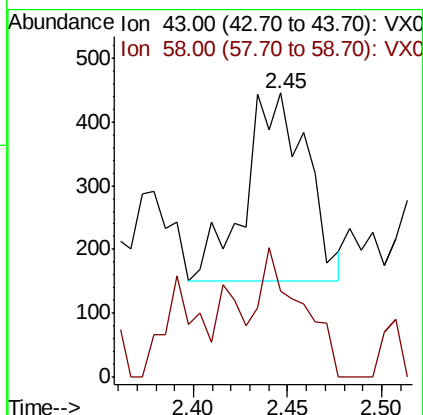
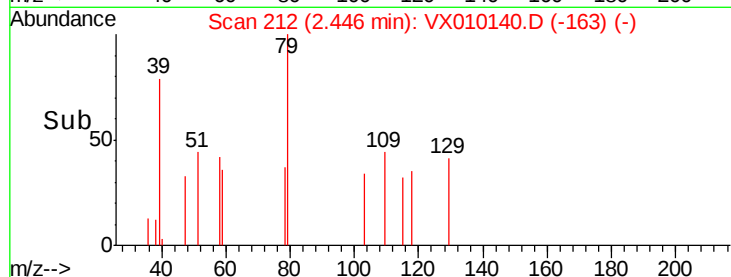
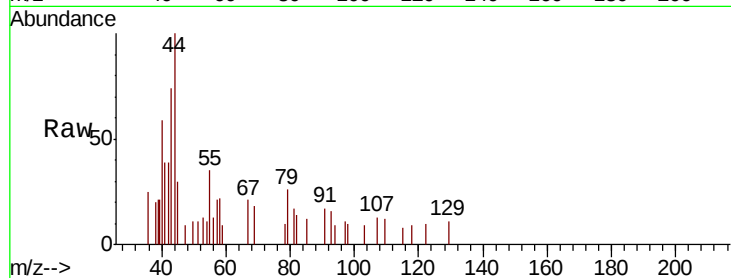
BP-TB02-20190604

Tgt Ion: 43 Resp: 672

Ion Ratio Lower Upper

43 100

58 45.6 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.284 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010140.D

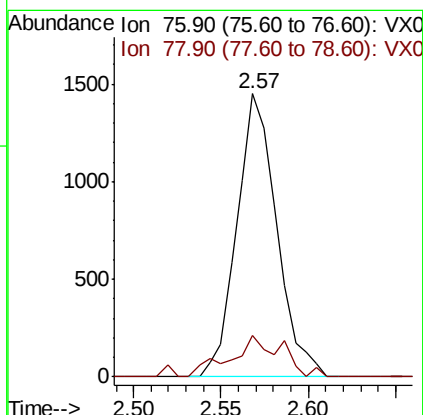
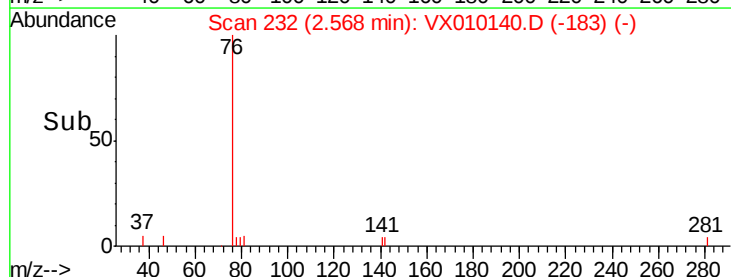
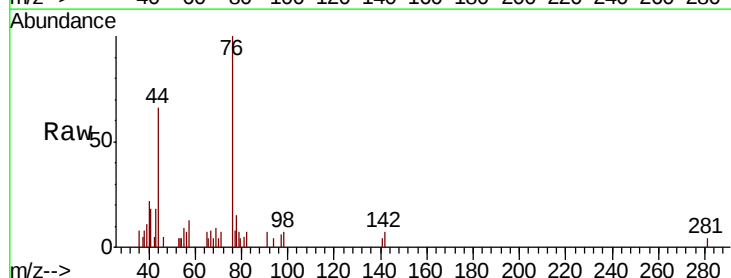
Acq: 08 Jun 2019 15:56

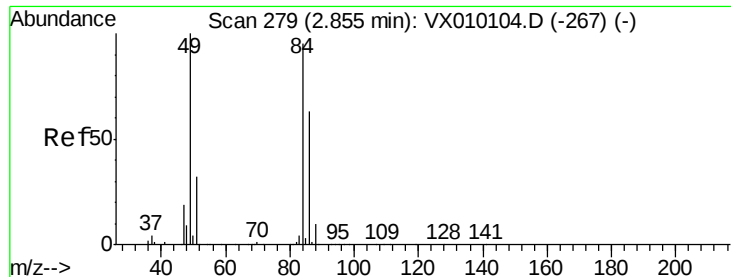
Tgt Ion: 76 Resp: 2294

Ion Ratio Lower Upper

76 100

78 14.8 7.0 10.6#





#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

BP-TB02-20190604

Tgt Ion: 84 Resp: 655

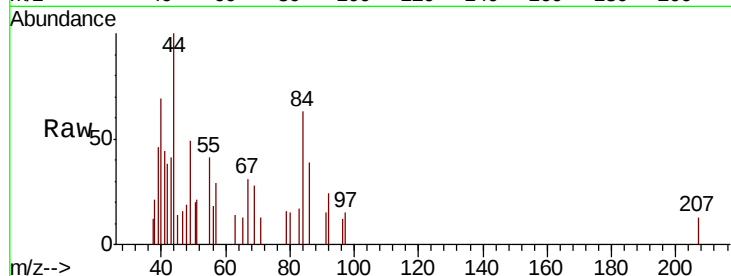
Ion Ratio Lower Upper

84 100

49 77.6 115.8 173.6#

51 64.0 34.4 51.6#

86 61.2 49.7 74.5

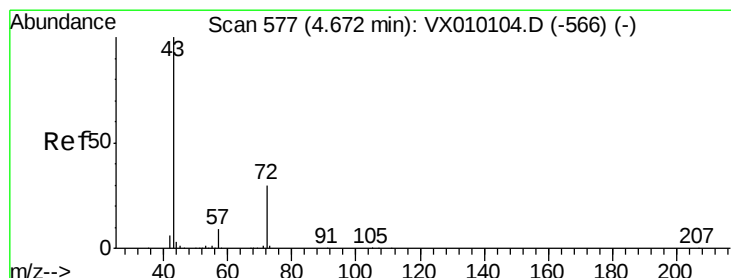
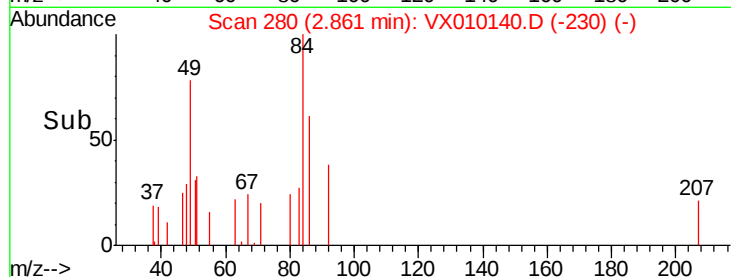
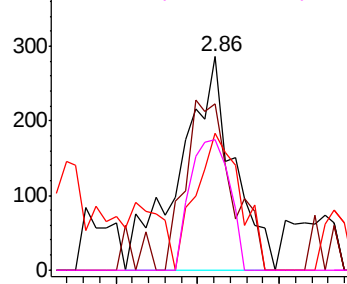


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.231 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010140.D

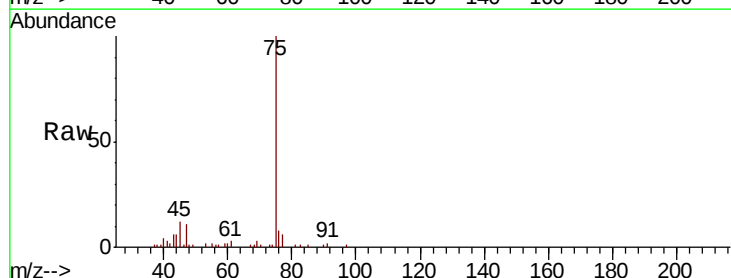
Acq: 08 Jun 2019 15:56

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

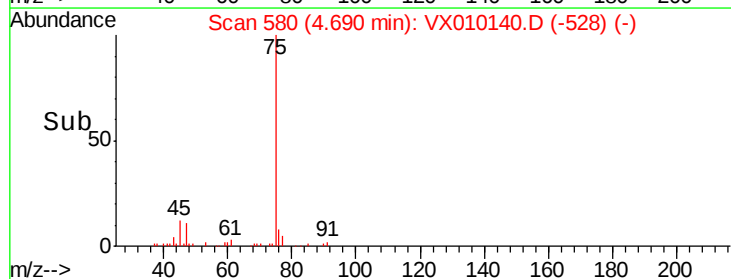
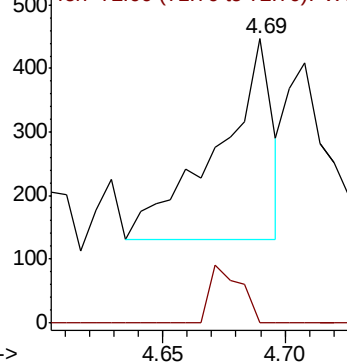
43 100

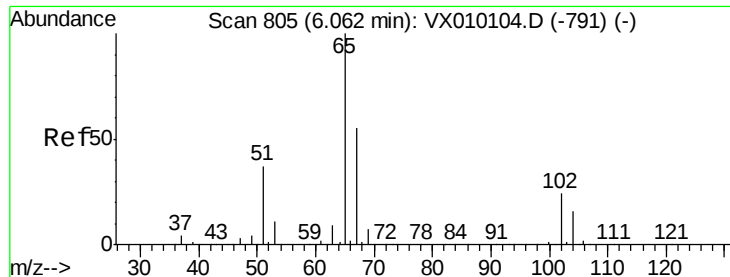
72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.516 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

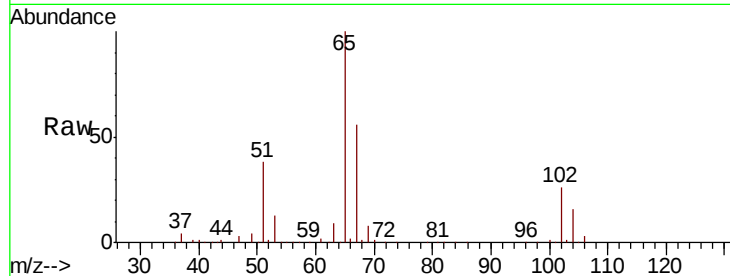
BP-TB02-20190604

Tgt Ion: 65 Resp: 138146

Ion Ratio Lower Upper

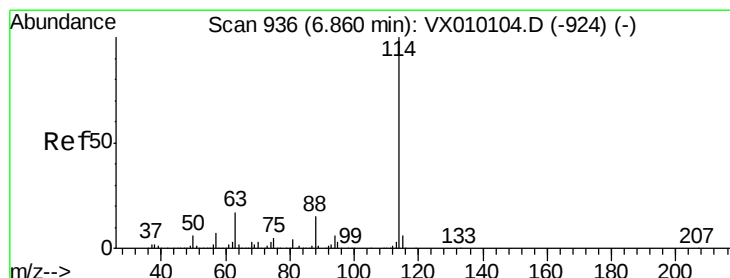
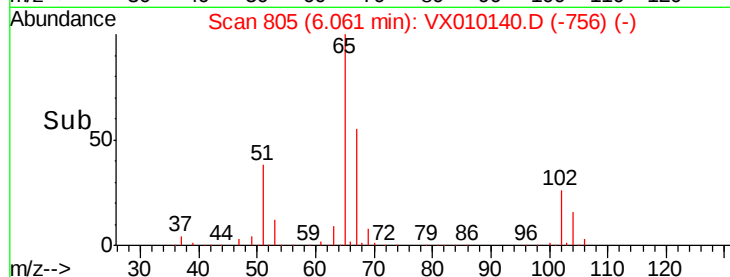
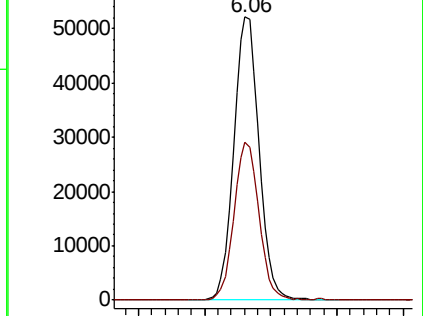
65 100

67 54.7 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: VX010140.D

Acq: 08 Jun 2019 15:56

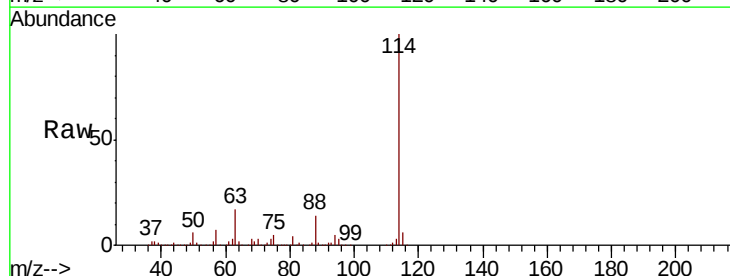
Tgt Ion: 114 Resp: 466379

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

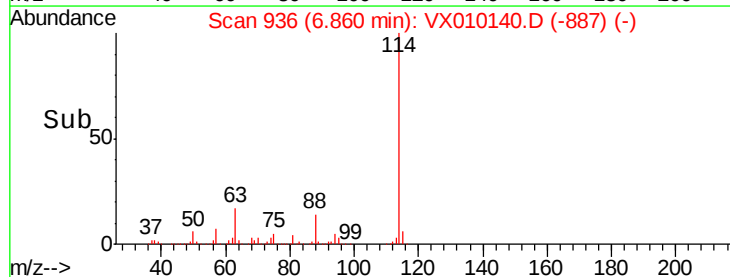
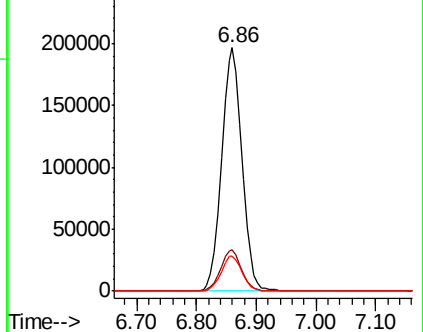
88 14.4 0.0 33.0

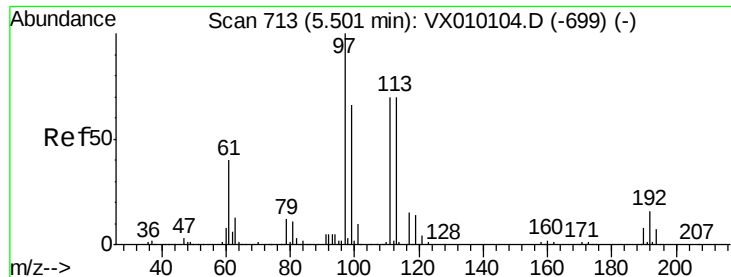


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

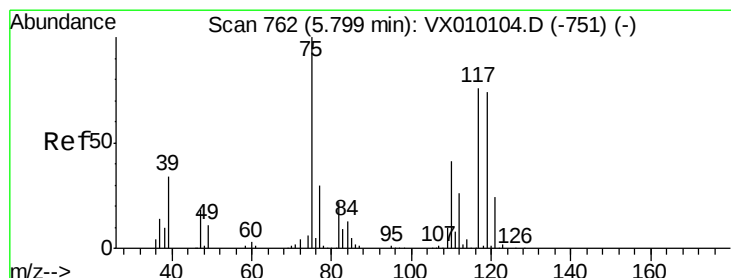
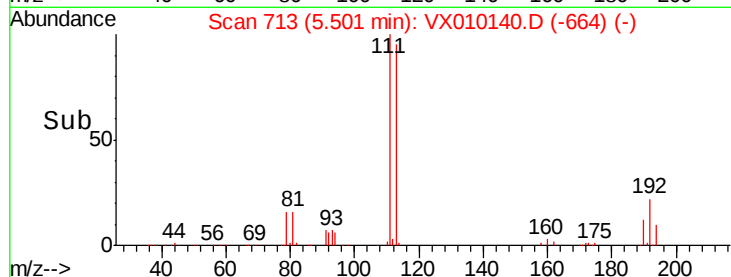
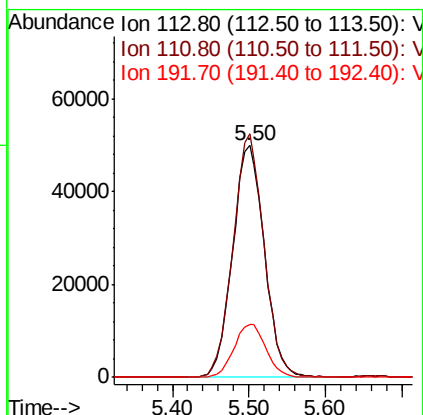
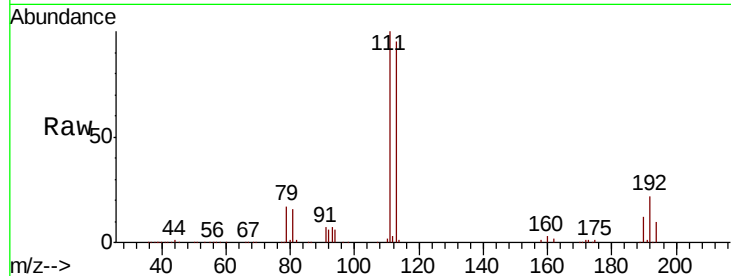




#35
 Dibromofluoromethane
 Concen: 50.038 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010140.D
 Acq: 08 Jun 2019 15:56

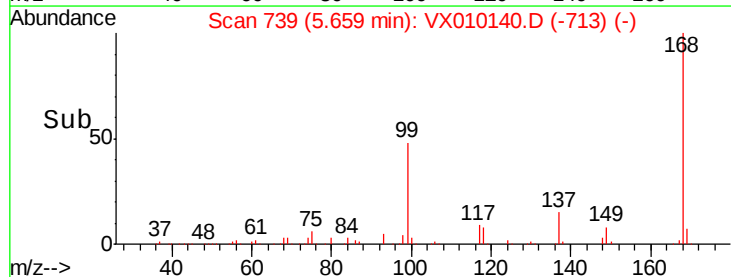
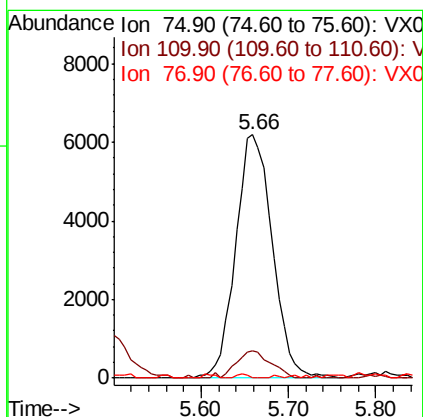
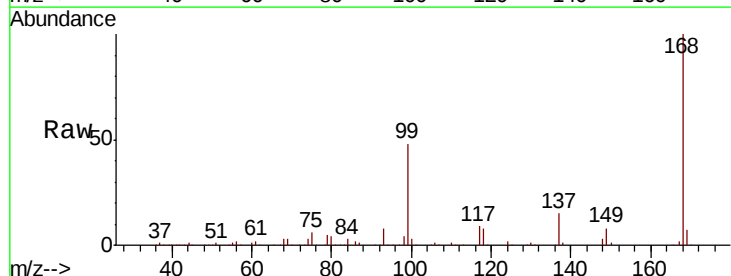
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB02-20190604

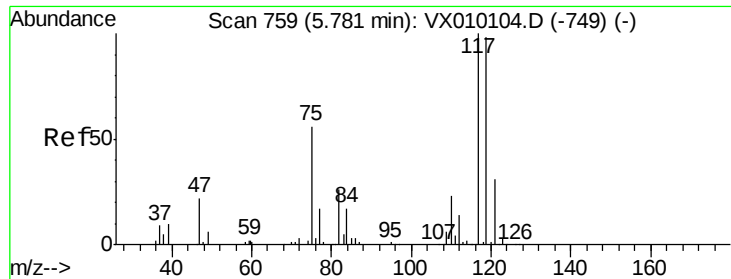
Tgt Ion:113 Resp: 143945
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.2
 192 23.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010140.D
 Acq: 08 Jun 2019 15:56

Tgt Ion: 75 Resp: 18124
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.7 50.1#
 77 0.5 25.0 37.4#

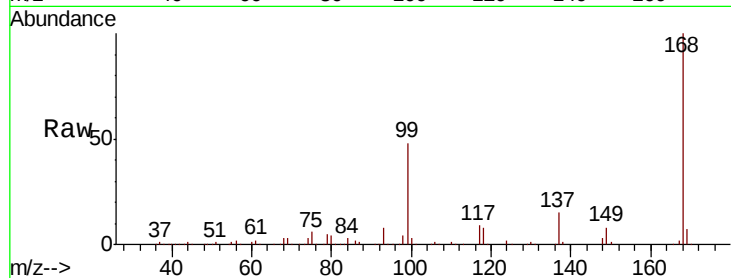




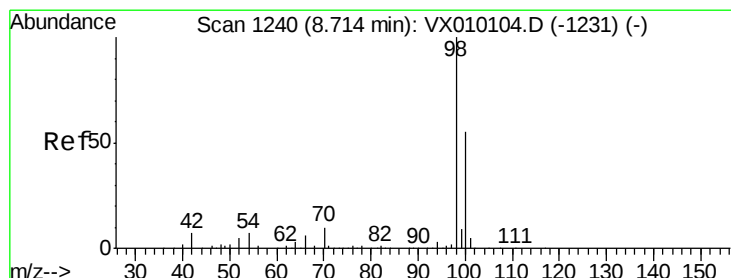
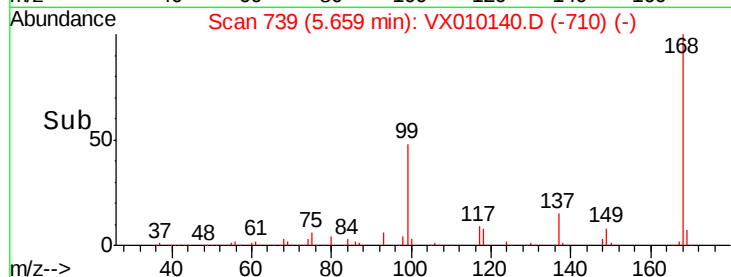
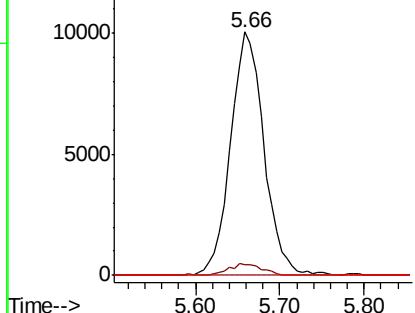
#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010140.D
Acq: 08 Jun 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
BP-TB02-20190604

Tgt Ion:117 Resp: 26948
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 25.4 38.0#

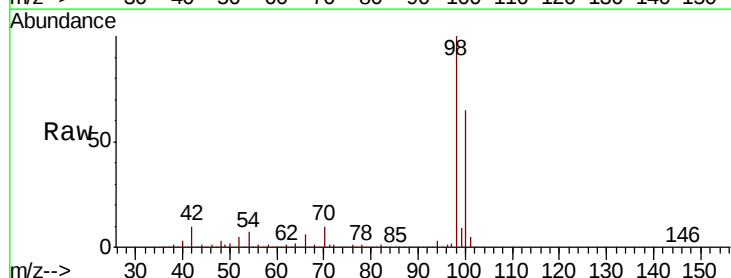


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

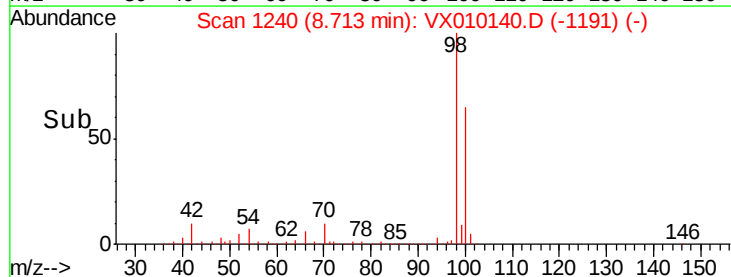
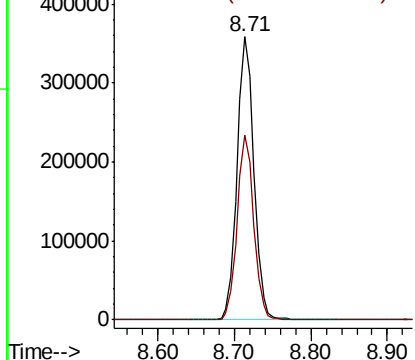


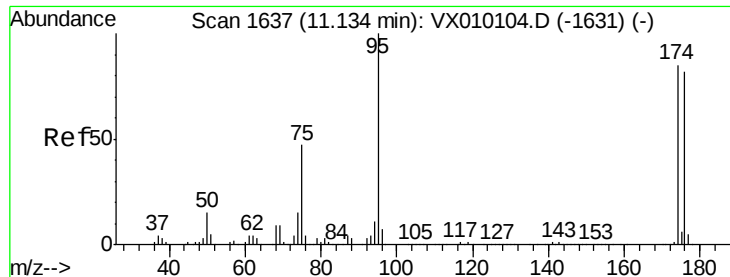
#50
Toluene-d8
Concen: 50.646 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010140.D
Acq: 08 Jun 2019 15:56

Tgt Ion: 98 Resp: 546038
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: 46.941 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

BP-TB02-20190604

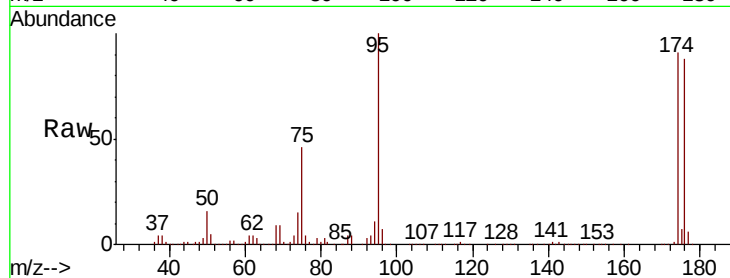
Tgt Ion: 95 Resp: 189006

Ion Ratio Lower Upper

95 100

174 92.7 0.0 160.4

176 90.6 0.0 154.6

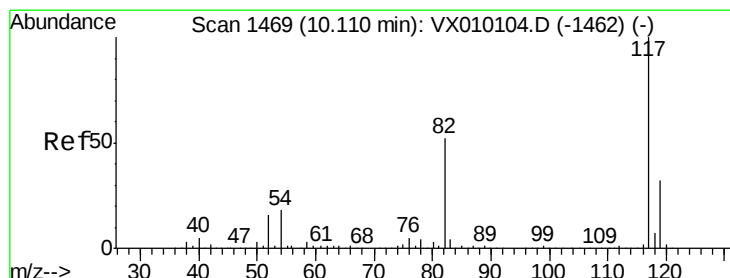
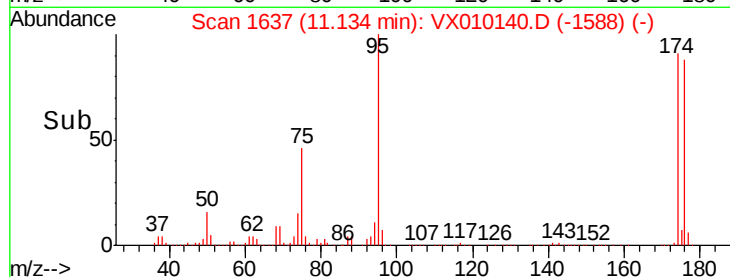
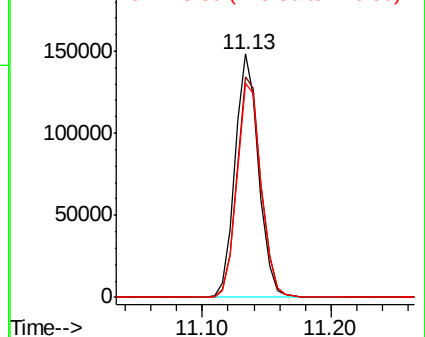


Abundance

Ion 94.90 (94.60 to 95.60): VX010140.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010140.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010140.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

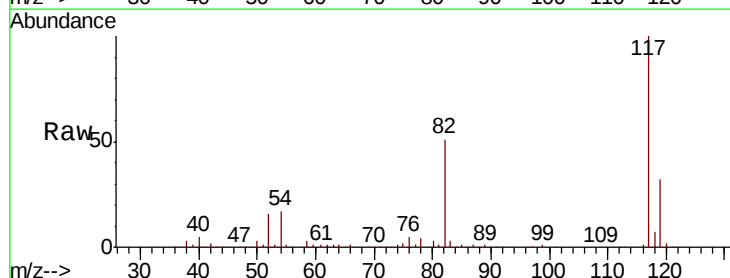
Tgt Ion: 117 Resp: 418764

Ion Ratio Lower Upper

117 100

82 51.2 49.2 73.8

119 32.3 25.2 37.8

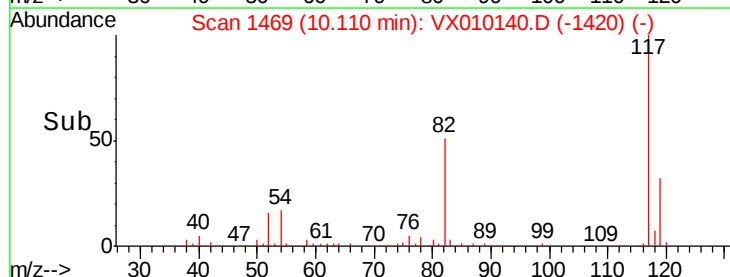
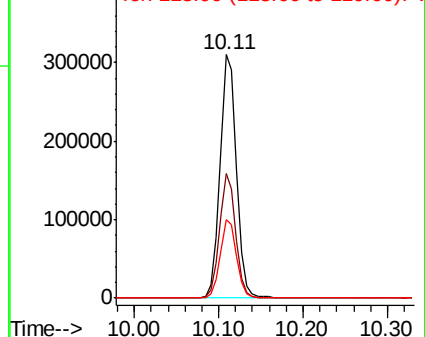


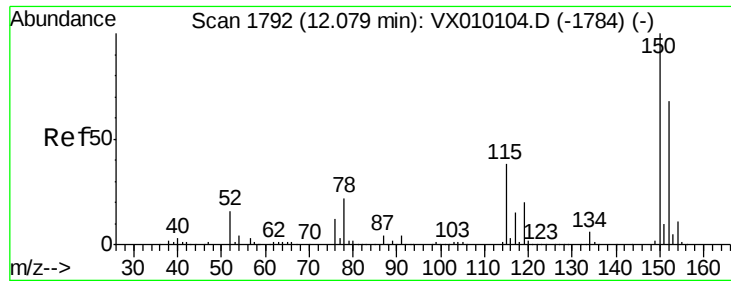
Abundance

Ion 116.90 (116.60 to 117.60): VX010140.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010140.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010140.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

BP-TB02-20190604

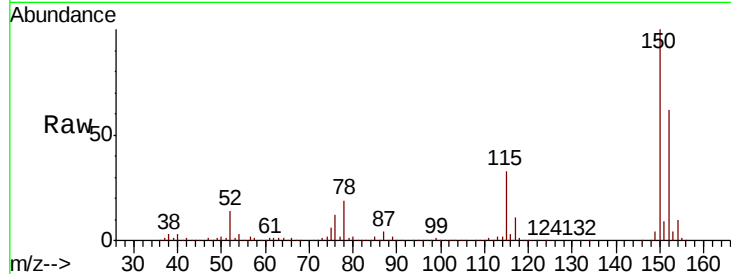
Tgt Ion: 152 Resp: 194856

Ion Ratio Lower Upper

152 100

115 54.6 41.4 124.2

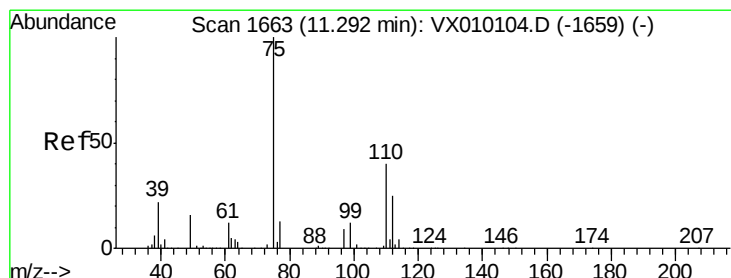
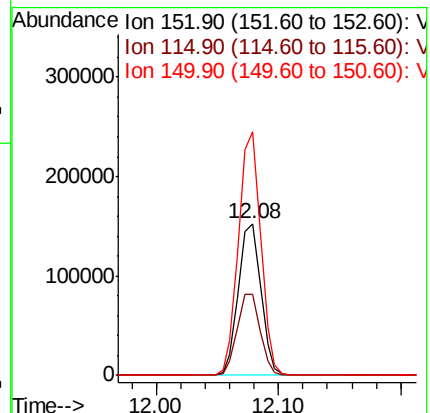
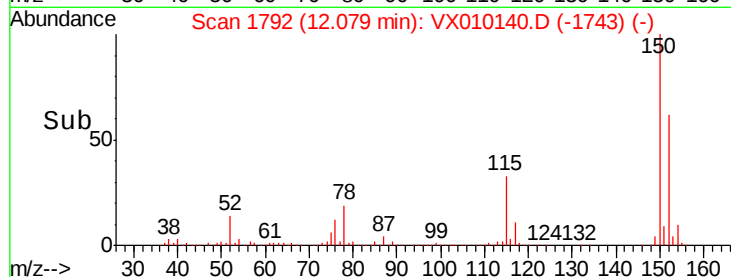
150 157.8 0.0 345.2



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: 22.244 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010140.D

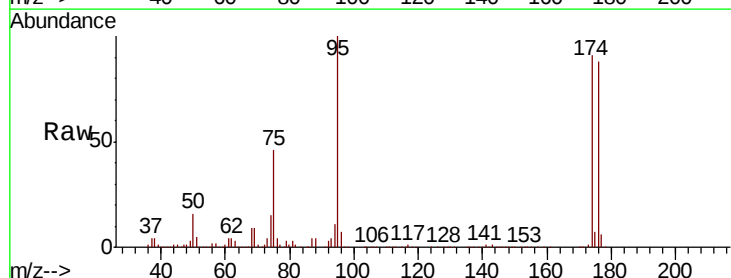
Acq: 08 Jun 2019 15:56

Tgt Ion: 75 Resp: 86697

Ion Ratio Lower Upper

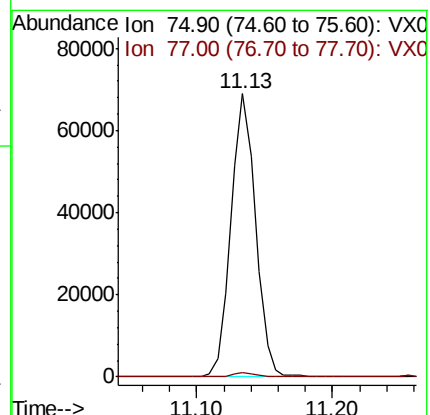
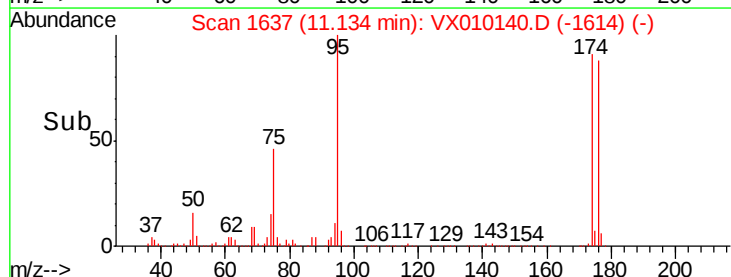
75 100

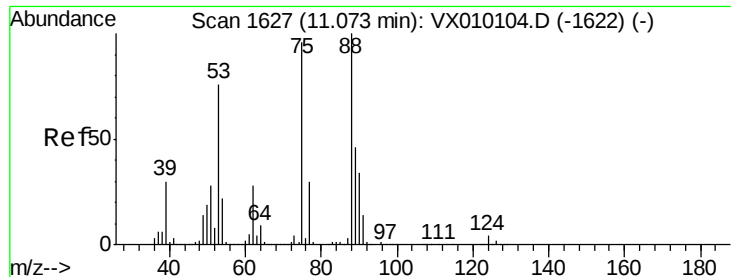
77 1.4 22.1 66.1#



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: 49.147 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010140.D

Acq: 08 Jun 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

BP-TB02-20190604

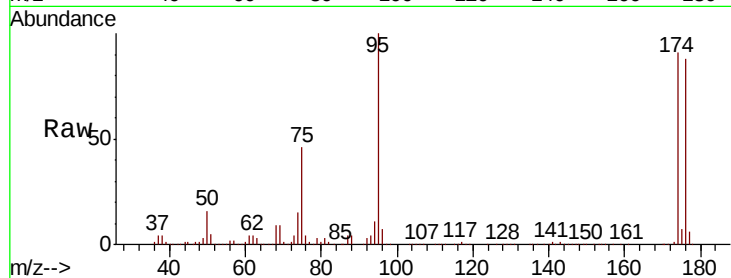
Tgt Ion: 75 Resp: 86697

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

