

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032119\
 Data File : VX008286.D
 Acq On : 21 Mar 2019 13:18
 Operator : JC/SP
 Sample : K1985-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB07-20190317

Quant Time: Mar 22 08:42:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	493708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	407630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159004	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	207431	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
35) Dibromofluoromethane	5.50	113	157868	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	8.71	98	598665	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.13	95	189408	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

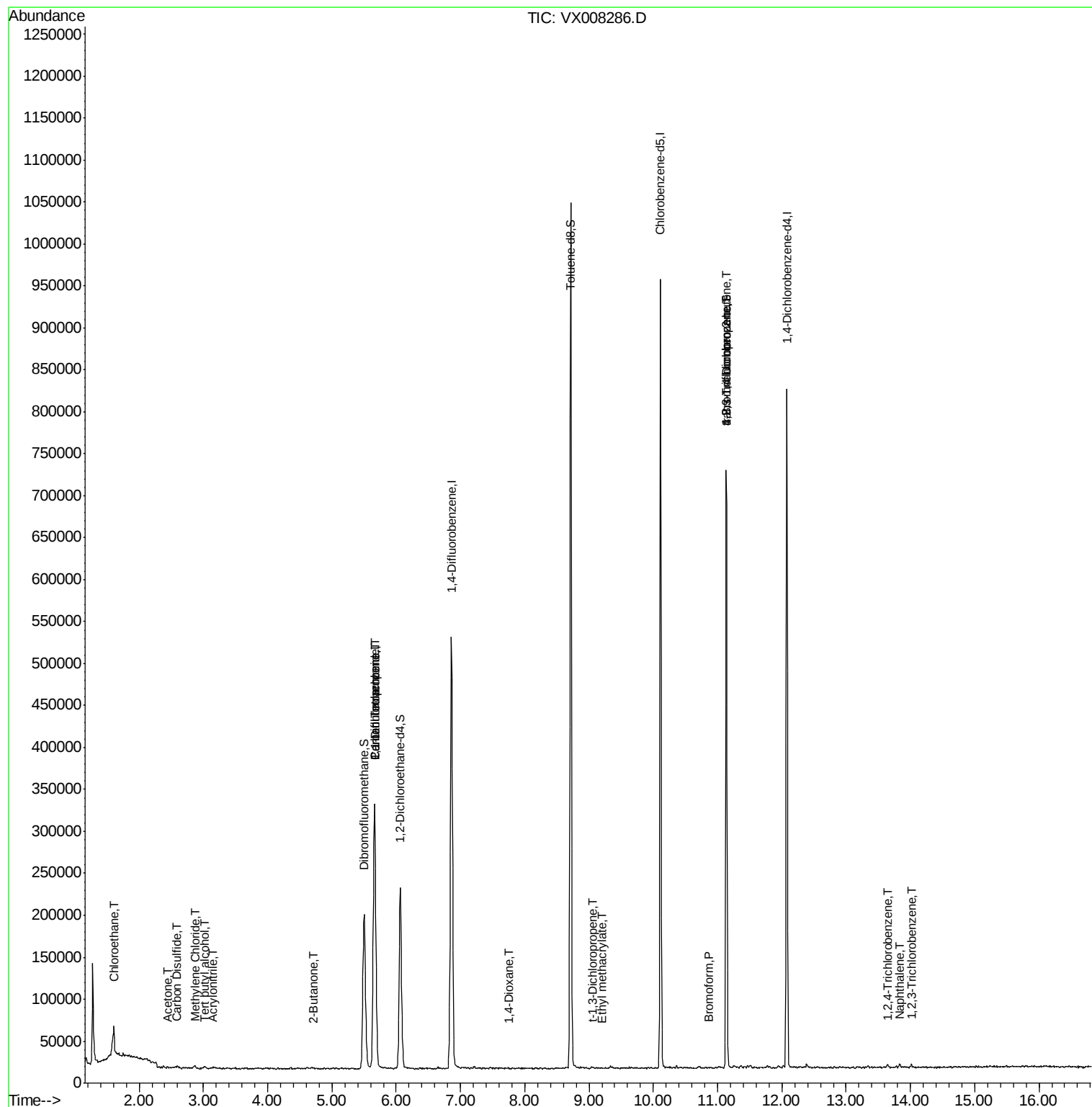
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	38765	13.627	ug/l #	54
11) Tert butyl alcohol	3.02	59	2413	2.502	ug/l #	90
13) Acrolein	2.29	56	246	Below Cal	#	78
15) Acrylonitrile	3.15	53	861	0.338	ug/l #	61
16) Acetone	2.45	43	1346	0.527	ug/l	98
17) Carbon Disulfide	2.58	76	3292	0.949	ug/l	97
20) Methylene Chloride	2.87	84	1605	0.377	ug/l	96
25) 2-Butanone	4.71	43	803	0.213	ug/l	92
36) 1,1-Dichloropropene	5.66	75	24983	4.346	ug/l #	50
38) Carbon Tetrachloride	5.67	117	30121	5.881	ug/l #	16
49) 1,4-Dioxane	7.76	88	226	2.212	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	476	1.489	ug/l #	88
56) Ethyl methacrylate	9.19	69	220	0.556	ug/l #	1
71) Bromoform	10.86	173	105	2.236	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	98751	22.081	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	98751	56.111	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.65	180	887	0.218	ug/l	94
95) Naphthalene	13.83	128	2816	0.219	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	915	0.229	ug/l #	89

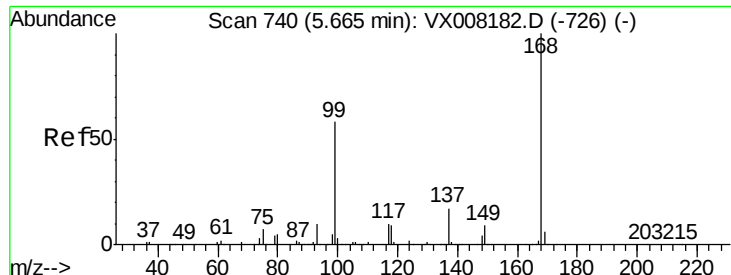
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

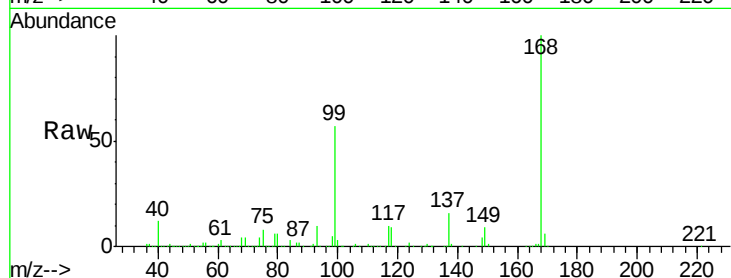
BP-TB07-20190317

Tot Ion:168 Resp: 299120

Ion Ratio Lower Upper

168 100

99 56.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

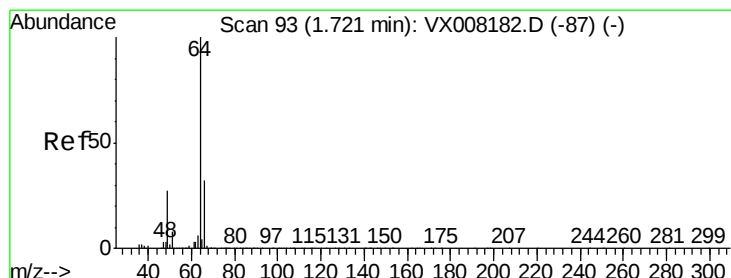
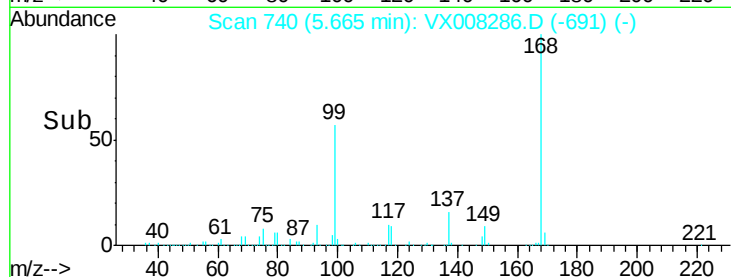
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 13.627 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008286.D

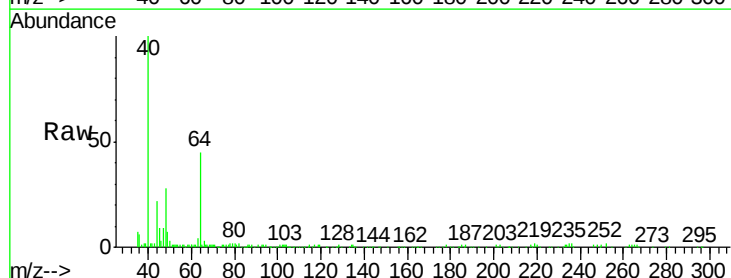
Acq: 21 Mar 2019 13:18

Tgt Ion: 64 Resp: 38765

Ion Ratio Lower Upper

64 100

66 6.2 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

10000

8000

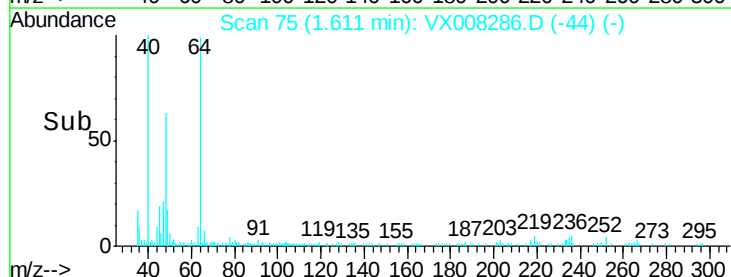
6000

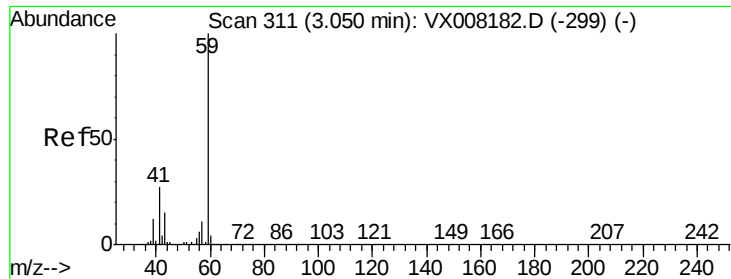
4000

2000

0

Time--> 1.40 1.50 1.60 1.70



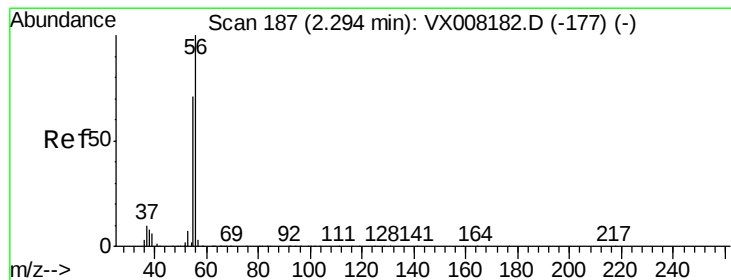
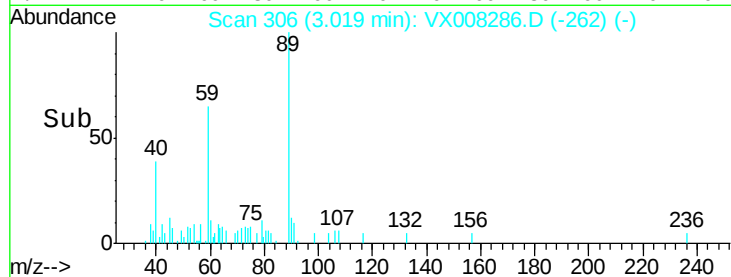
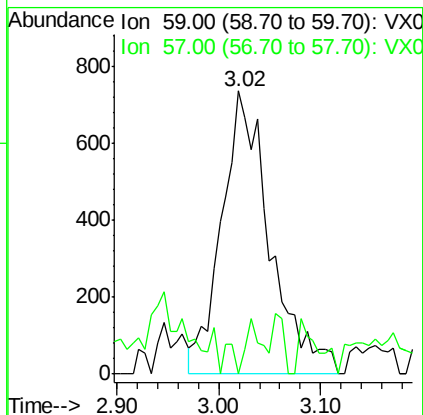
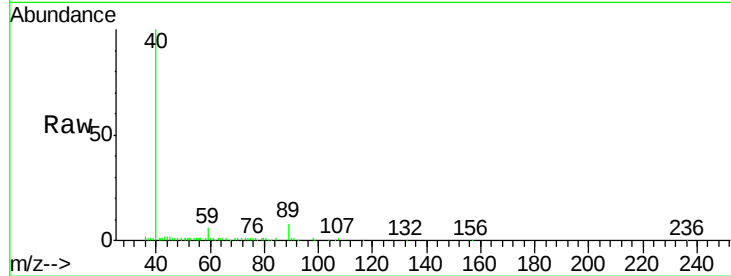


#11

Tert butvl alcohol
Concen: 2.502 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

Instrument :
MSVOA_X
ClientSampleId :
BP-TB07-20190317

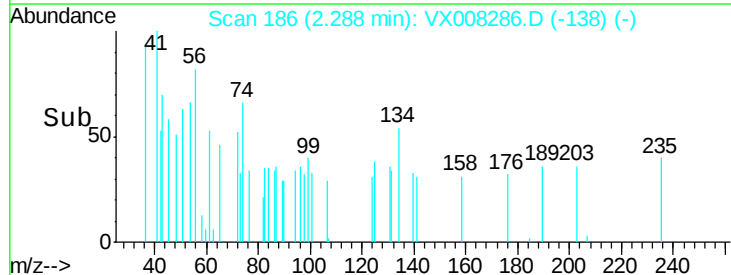
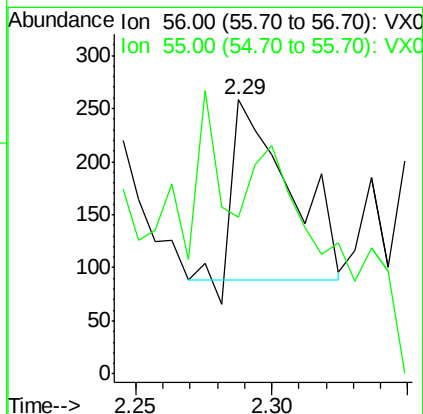
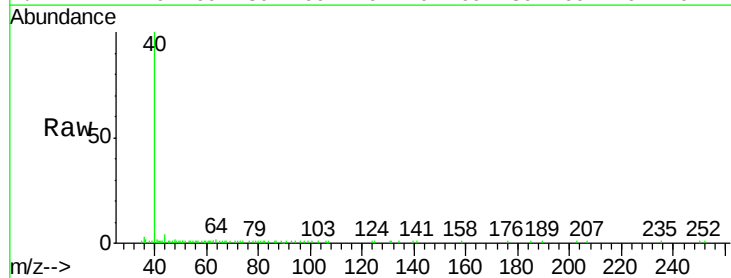
Tot Ion: 59 Resp: 2413
Ion Ratio Lower Upper
59 100
57 6.4 8.2 12.2#

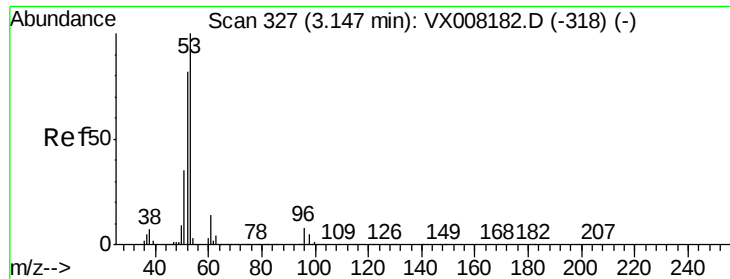


#13

Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 54.1 57.8 86.6#





#15

Acrylonitrile

Concen: 0.338 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TB07-20190317

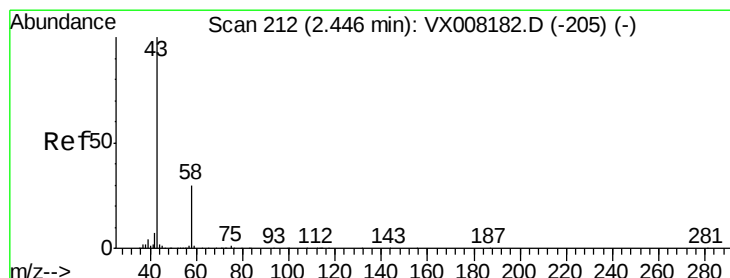
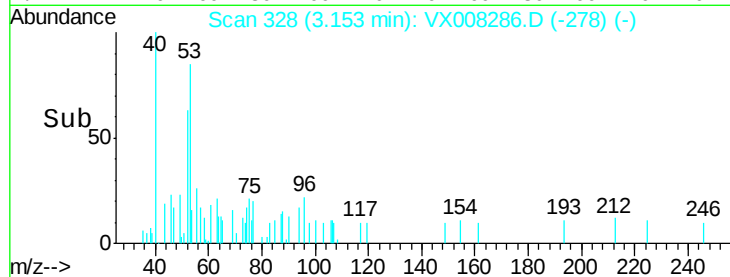
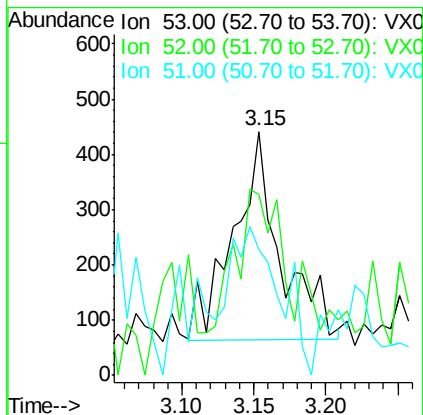
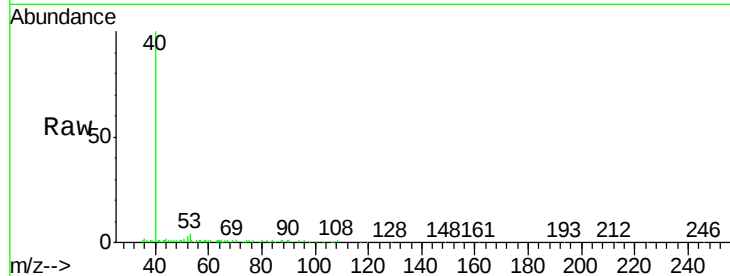
Tot Ion: 53 Resp: 861

Ion Ratio Lower Upper

53 100

52 60.0 66.0 99.0#

51 76.2 28.0 42.0#



#16

Acetone

Concen: 0.527 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008286.D

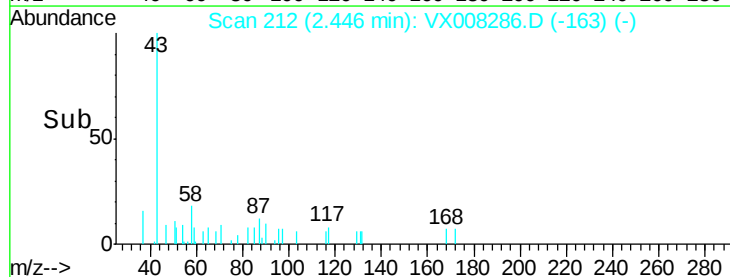
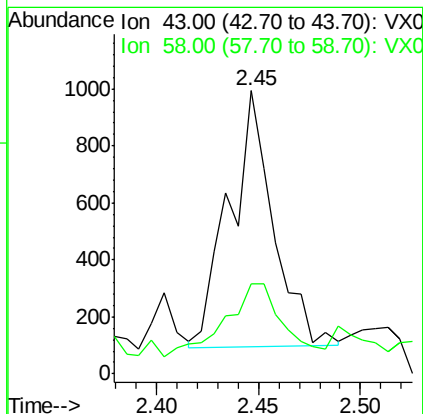
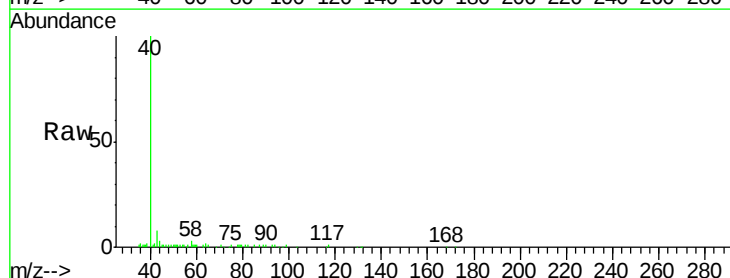
Acq: 21 Mar 2019 13:18

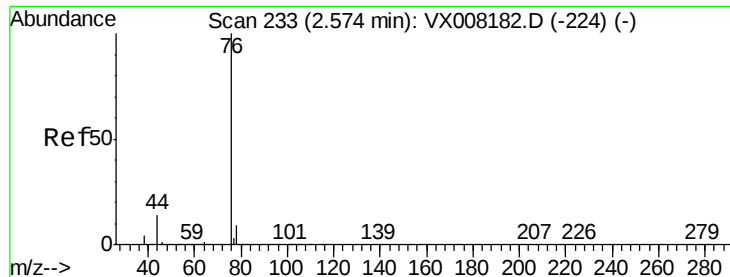
Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

58 31.1 25.5 38.3





#17

Carbon Disulfide

Concen: 0.949 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

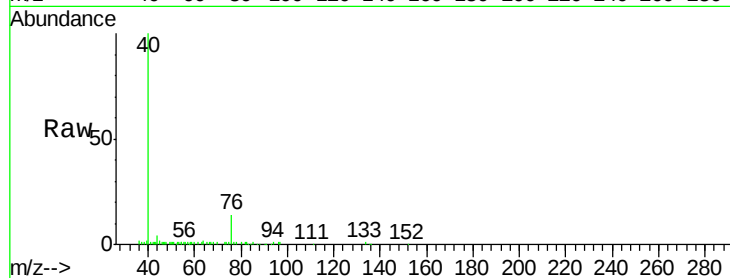
BP-TB07-20190317

Tot Ion: 76 Resp: 3292

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

1500

1000

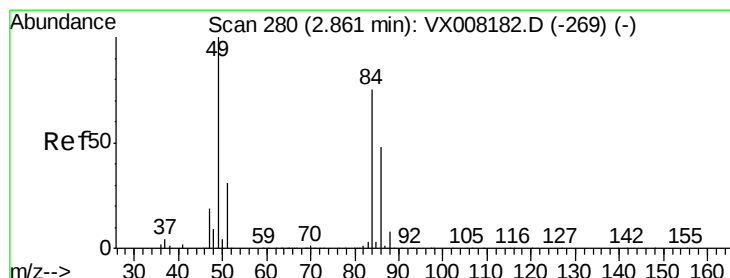
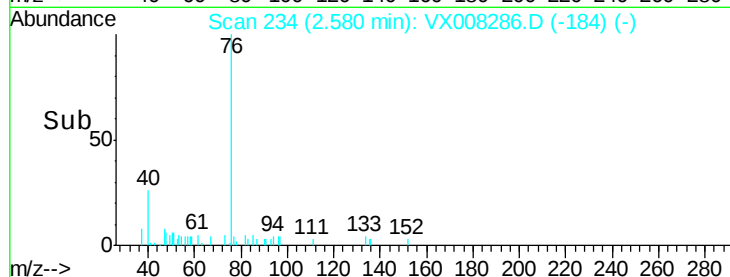
500

200

0

Time-->

2.50 2.55 2.60 2.65



#20

Methylene Chloride

Concen: 0.377 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Tgt Ion: 84 Resp: 1605

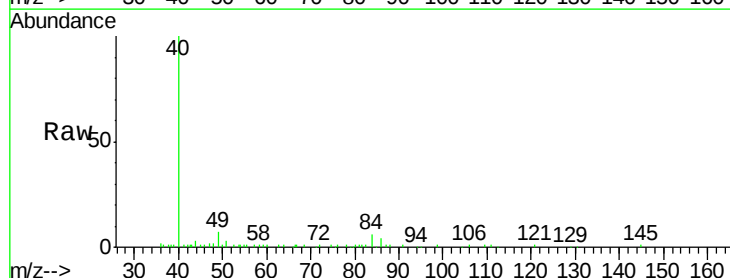
Ion Ratio Lower Upper

84 100

49 117.6 99.3 148.9

51 37.7 31.3 46.9

86 64.7 52.6 79.0



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

1500

1000

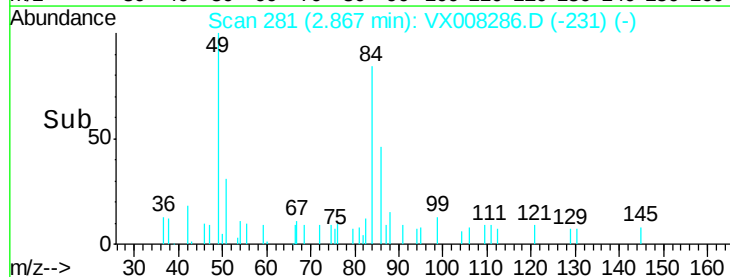
500

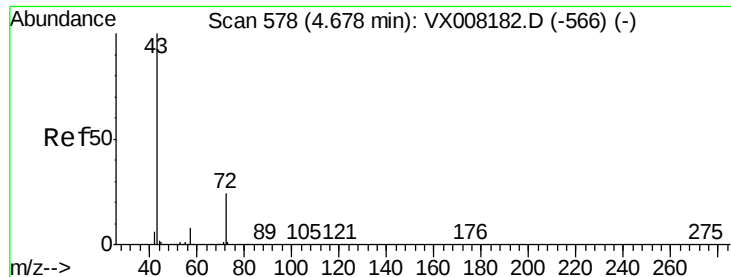
200

0

Time-->

2.80 2.85 2.90

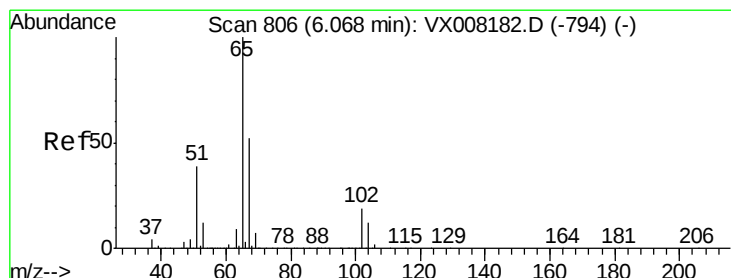
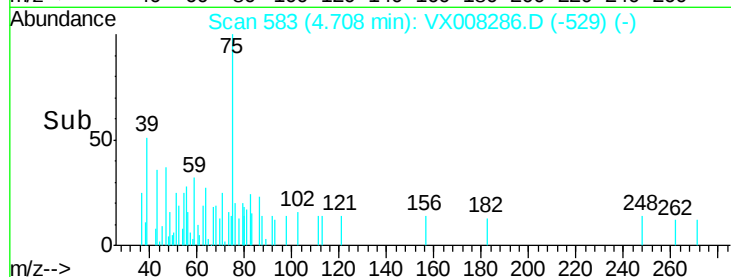
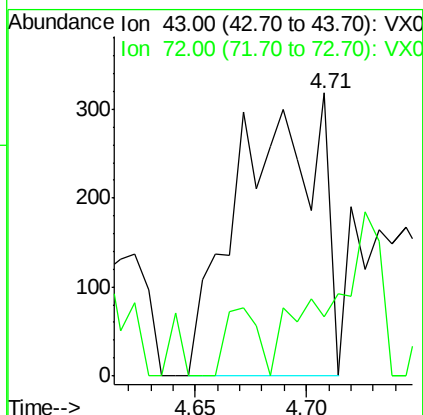
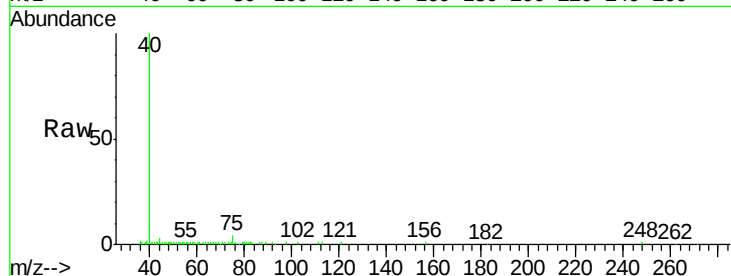




#25
2-Butanone
Concen: 0.213 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.03 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

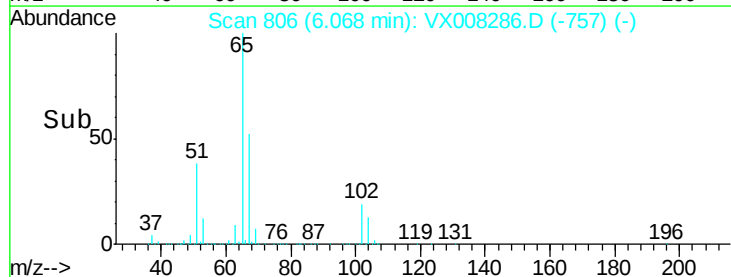
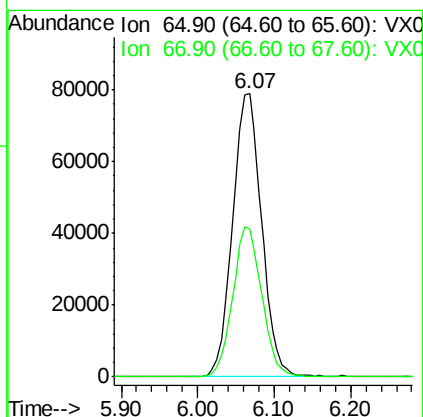
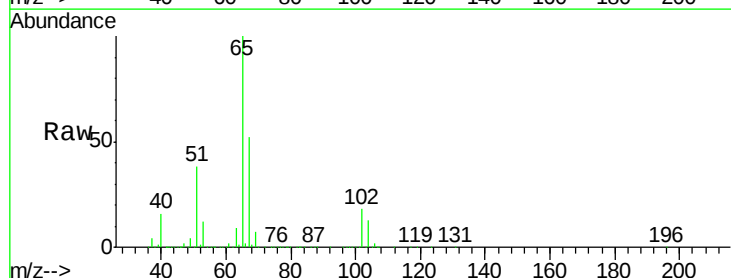
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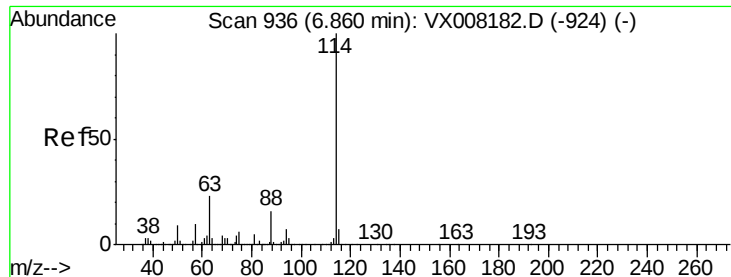
Tot Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
72 21.1 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 46.044 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

Tgt Ion: 65 Resp: 207431
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TB07-20190317

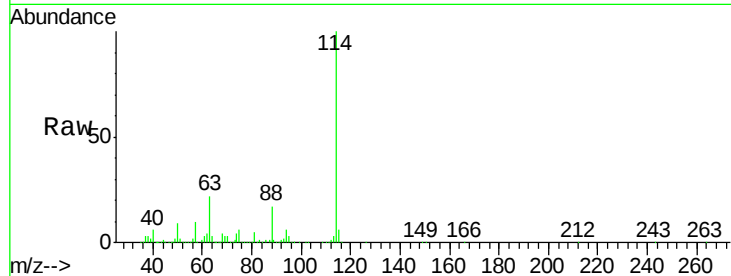
Tot Ion:114 Resp: 493708

Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.8

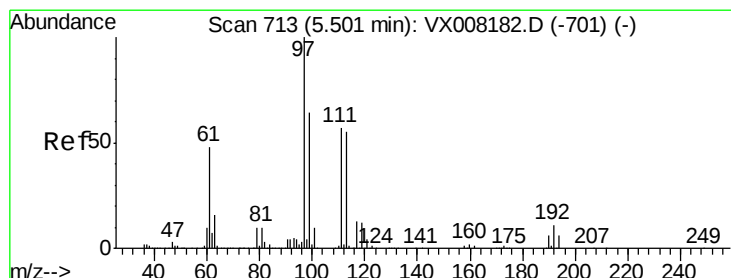
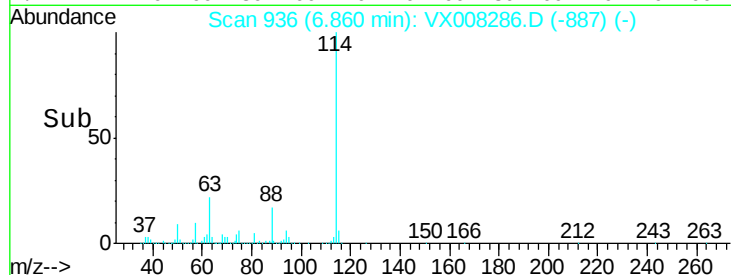
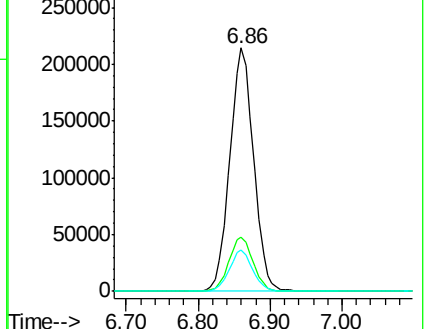
88 17.0 0.0 31.4



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: 47.766 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

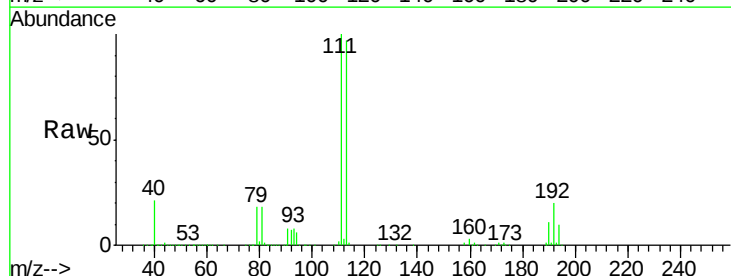
Tgt Ion:113 Resp: 157868

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

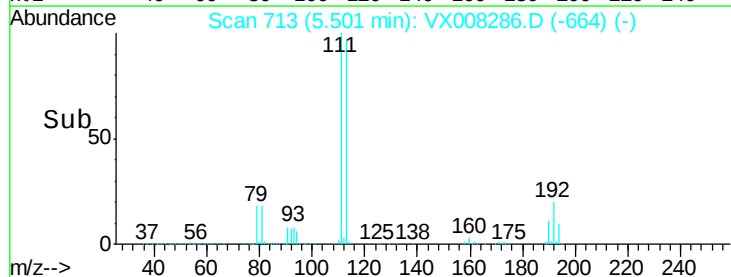
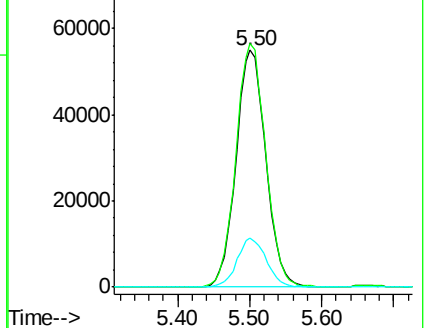
192 20.4 19.4 29.0

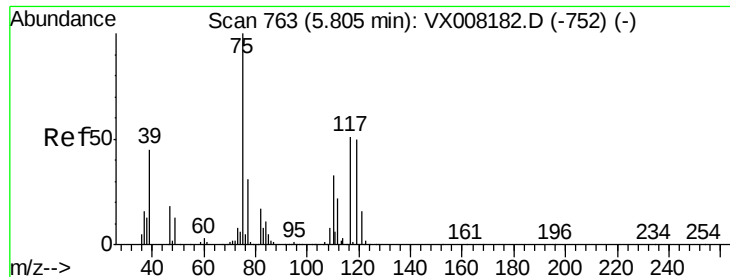


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.346 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TB07-20190317

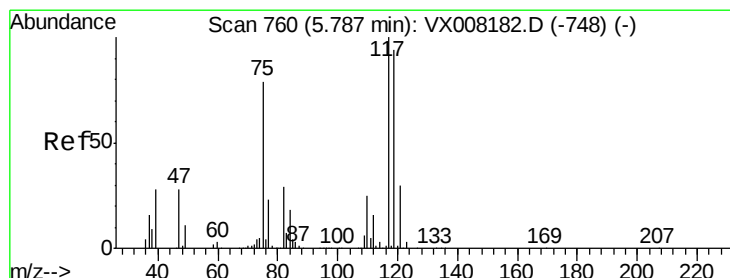
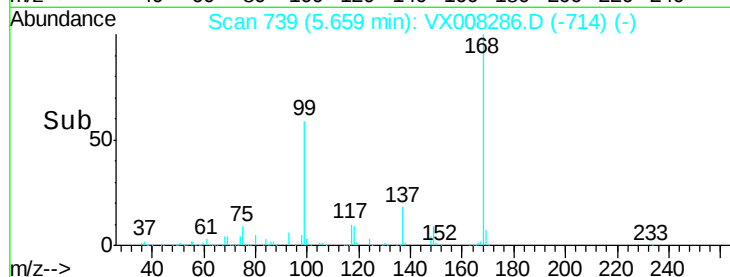
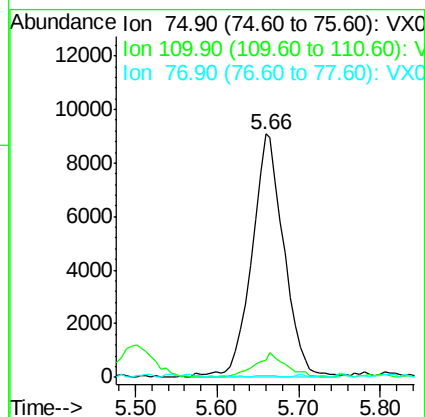
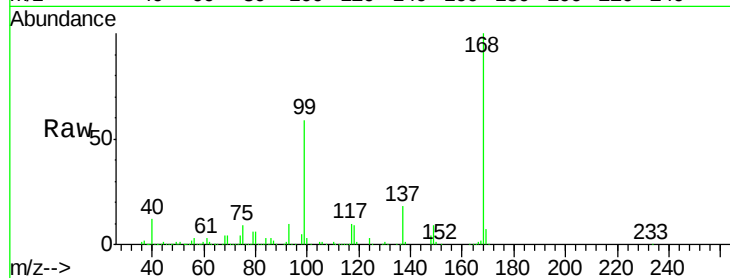
Tot Ion: 75 Resp: 24983

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

77 0.5 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.881 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

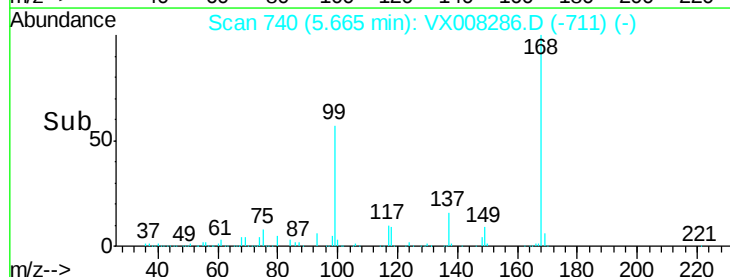
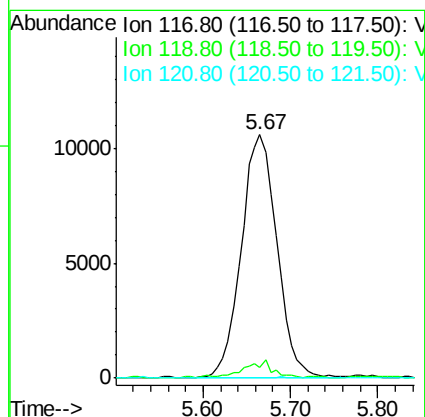
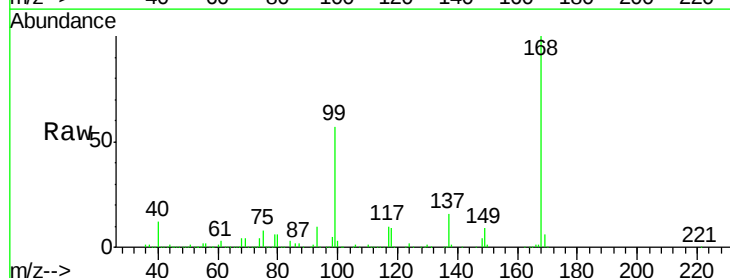
Tgt Ion:117 Resp: 30121

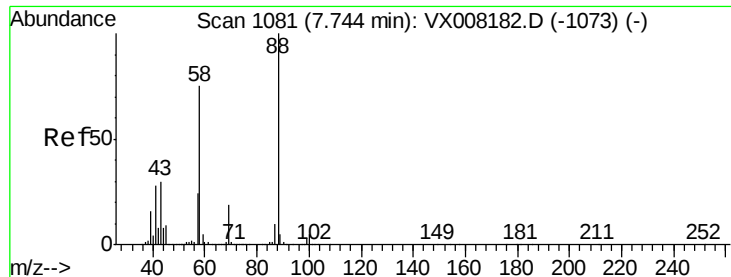
Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.2#

121 0.0 24.6 36.8#

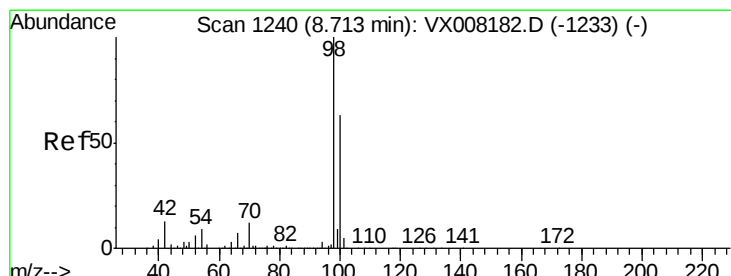
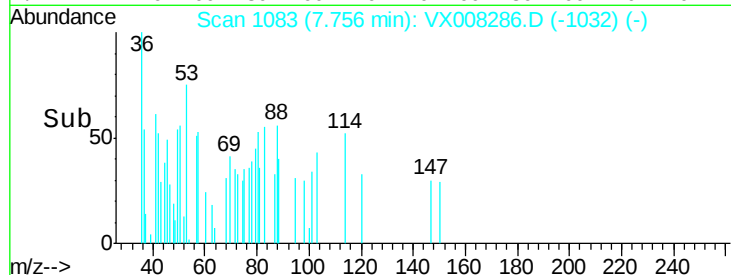
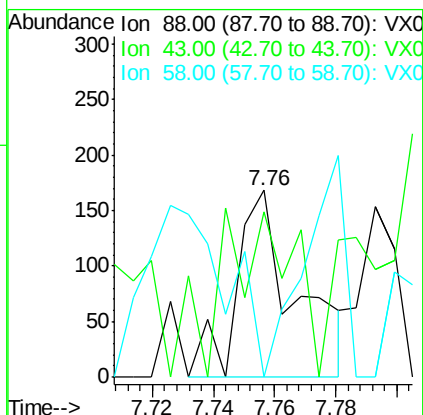
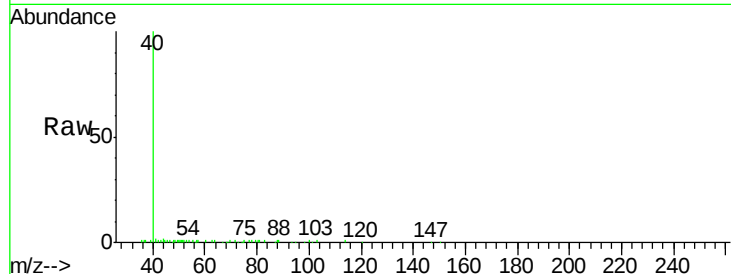




#49
 1,4-Dioxane
 Concen: 2.212 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.01 min
 Lab File: VX008286.D
 Acq: 21 Mar 2019 13:18

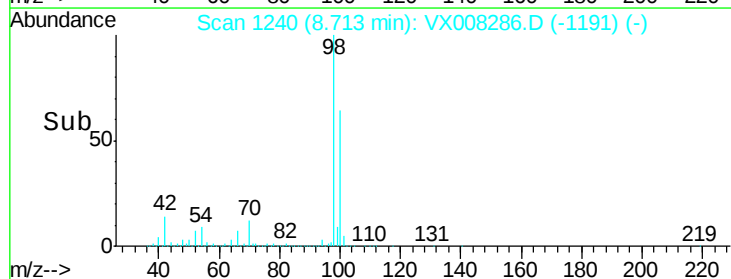
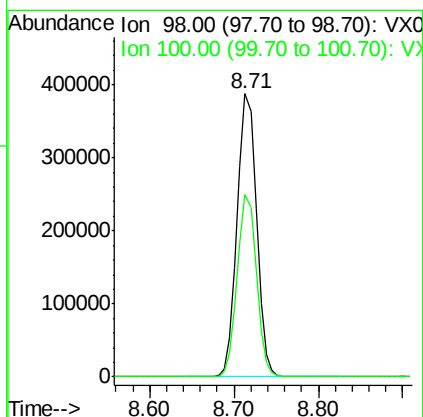
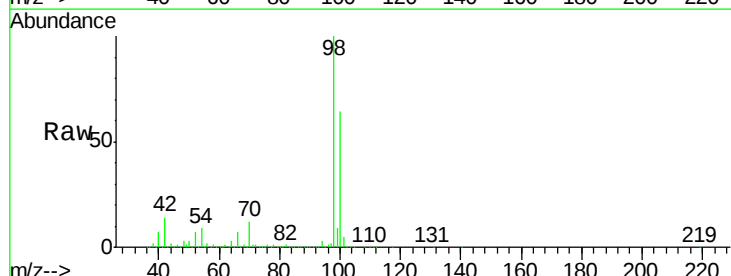
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB07-20190317

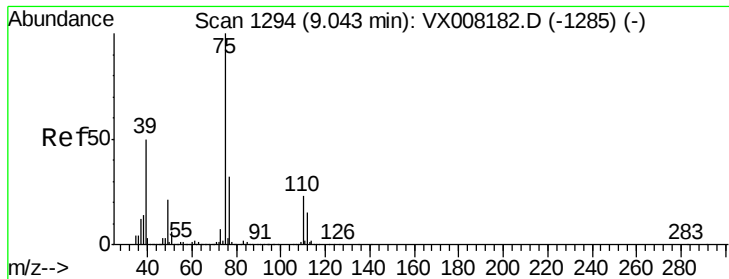
Tot Ion: 88 Resp: 226
 Ion Ratio Lower Upper
 88 100
 43 111.1 25.1 37.7#
 58 0.0 57.8 86.6#



#50
 Toluene-d8
 Concen: 47.776 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008286.D
 Acq: 21 Mar 2019 13:18

Tgt Ion: 98 Resp: 598665
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.489 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

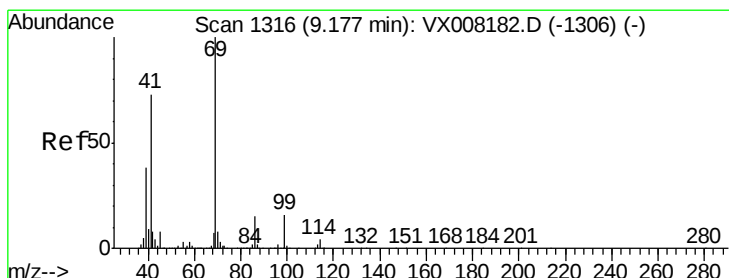
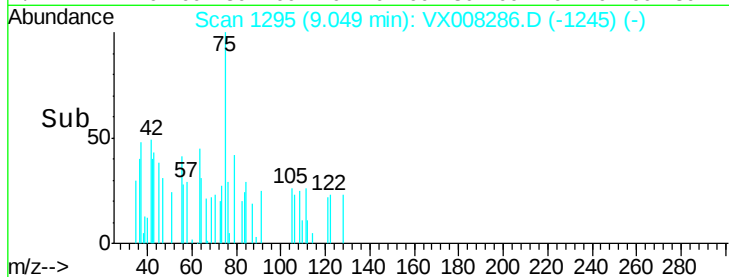
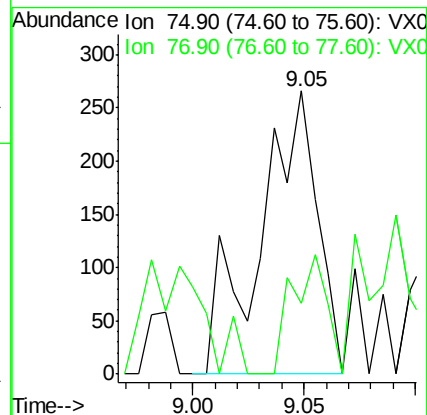
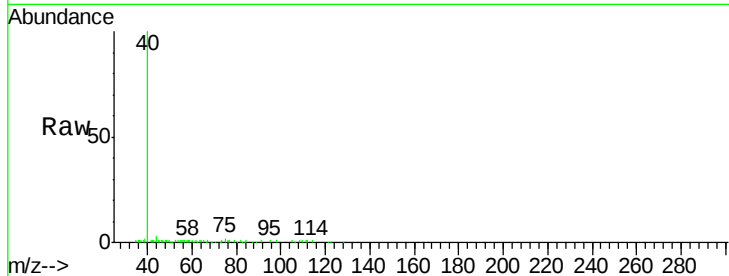
BP-TB07-20190317

Tot Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

77 24.8 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.556 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

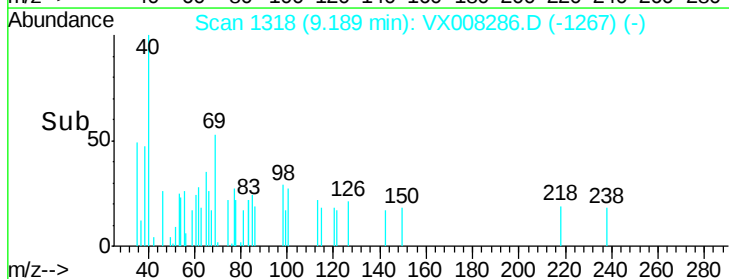
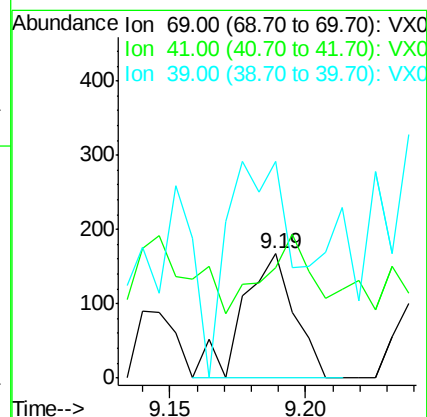
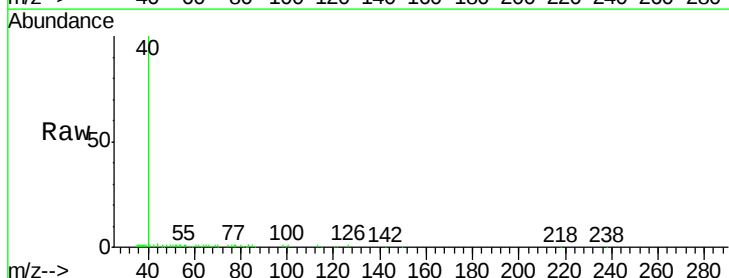
Tgt Ion: 69 Resp: 220

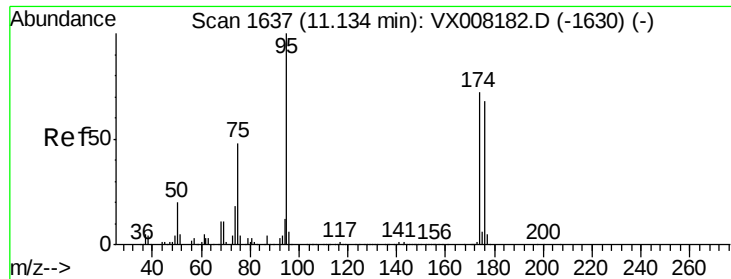
Ion Ratio Lower Upper

69 100

41 20.0 54.2 81.4#

39 223.2 25.0 37.4#

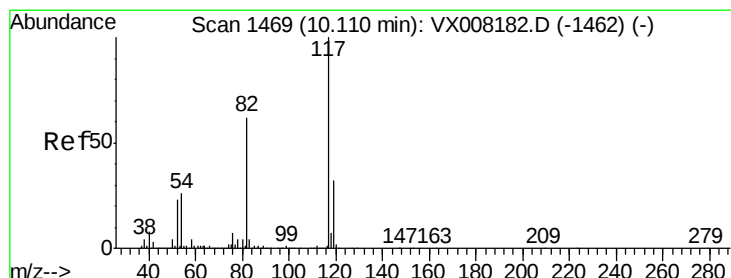
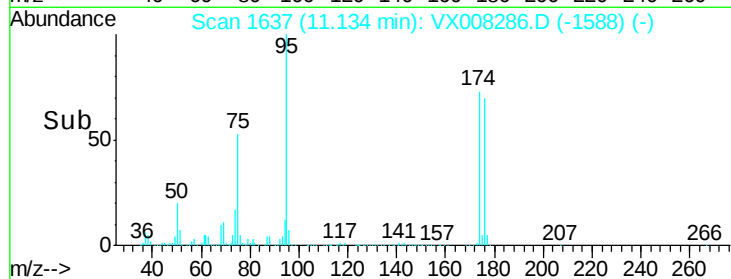
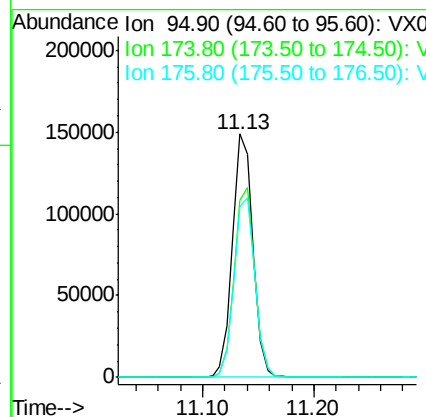
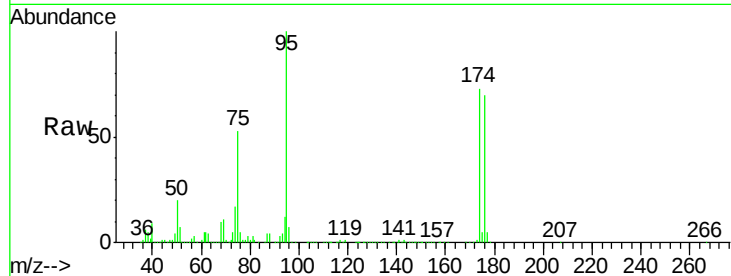




#62
4-Bromofluorobenzene
Concen: 43.900 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

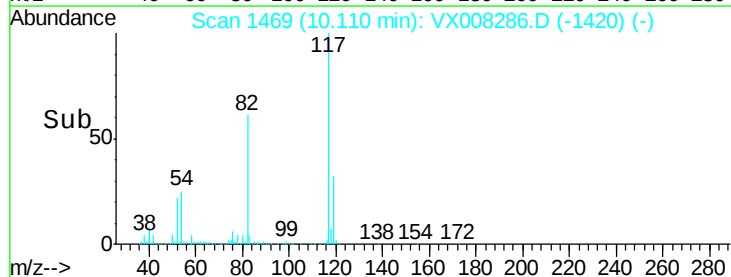
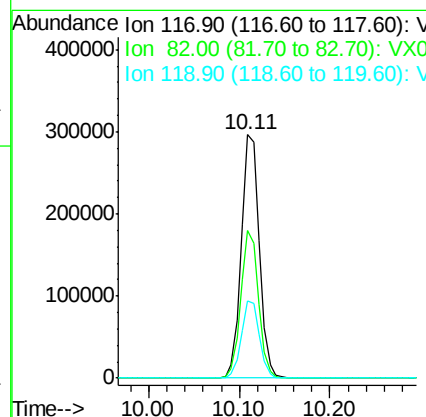
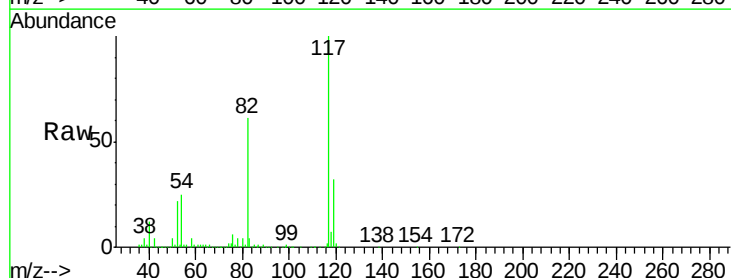
Instrument :
MSVOA_X
ClientSampleId :
BP-TB07-20190317

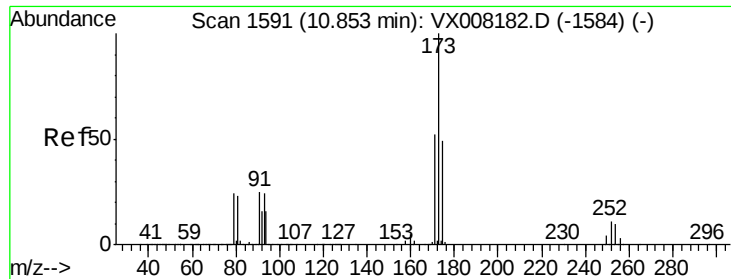
Tot Ion: 95 Resp: 189408
Ion Ratio Lower Upper
95 100
174 78.6 0.0 182.8
176 75.8 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008286.D
Acq: 21 Mar 2019 13:18

Tgt Ion: 117 Resp: 407630
Ion Ratio Lower Upper
117 100
82 60.5 44.3 66.5
119 31.5 25.3 37.9





#71

Bromoform

Concen: 2.236 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TB07-20190317

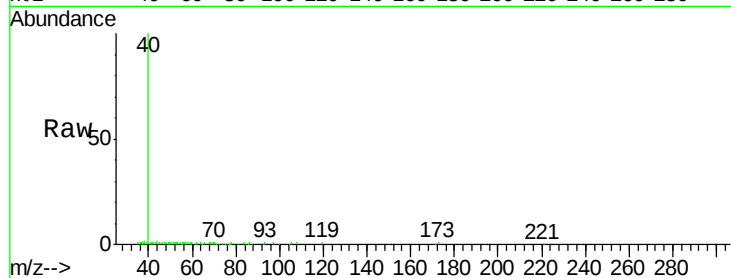
Tot Ion:173 Resp: 105

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

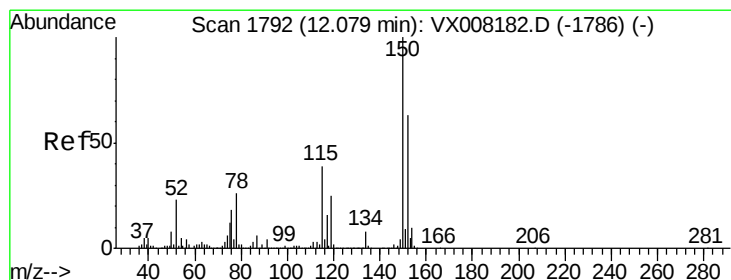
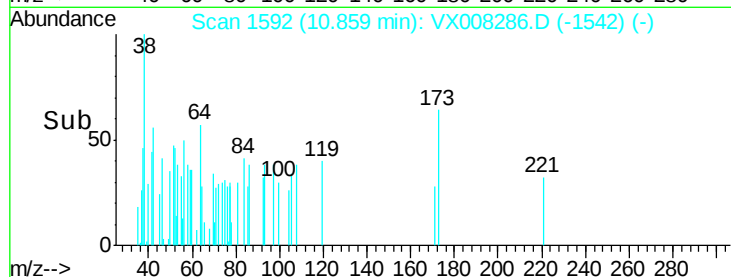
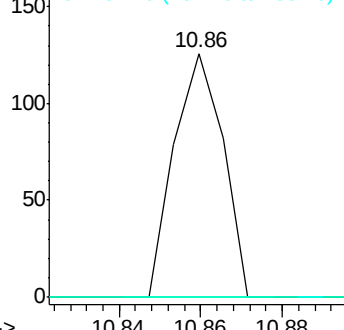
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX008286.D

Acq: 21 Mar 2019 13:18

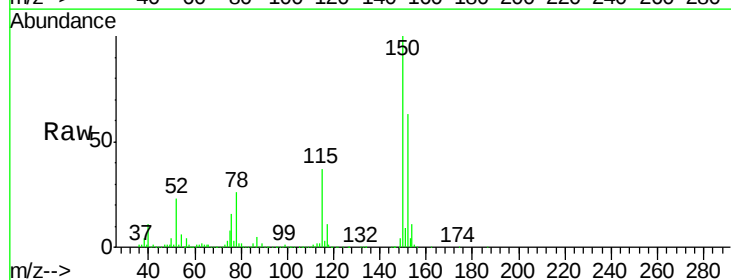
Tgt Ion:152 Resp: 159004

Ion Ratio Lower Upper

152 100

115 59.5 38.6 115.7

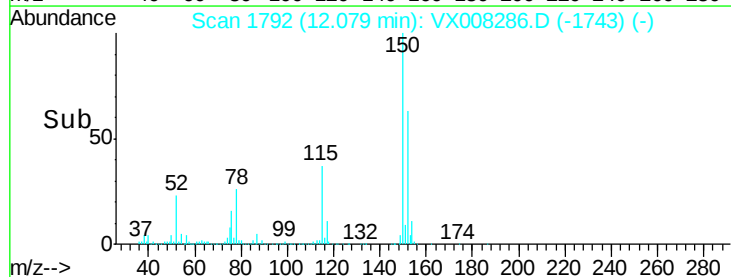
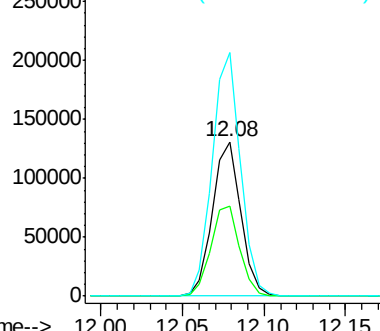
150 157.9 0.0 348.4

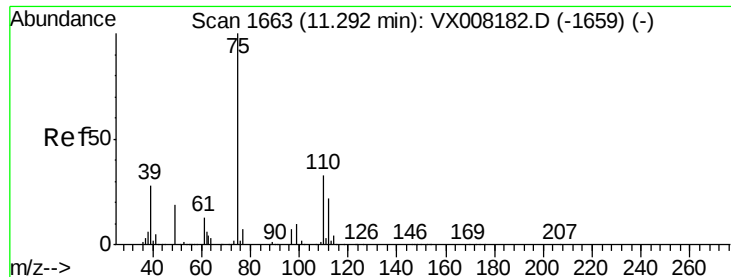


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.081 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

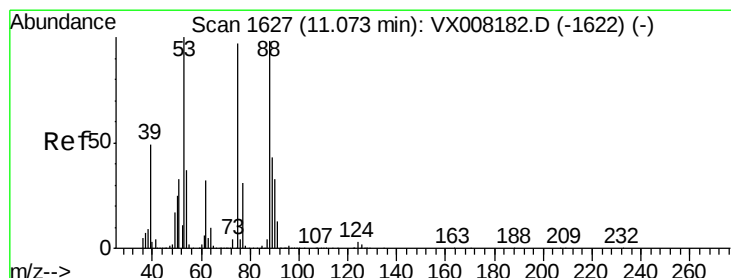
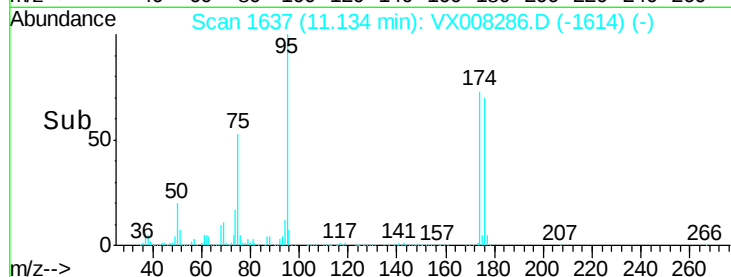
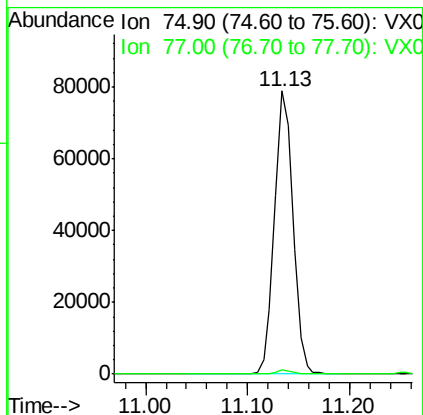
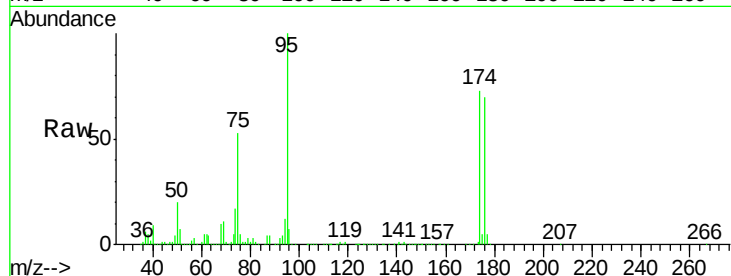
BP-TB07-20190317

Tot Ion: 75 Resp: 98751

Ion Ratio Lower Upper

75 100

77 1.4 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

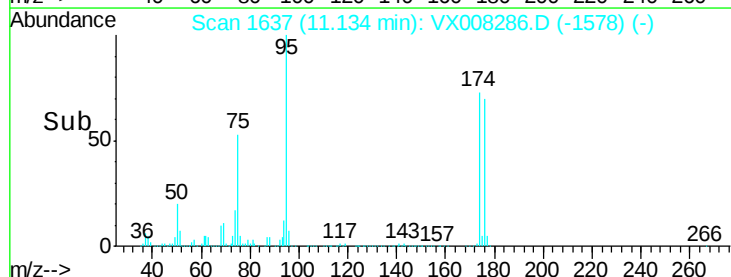
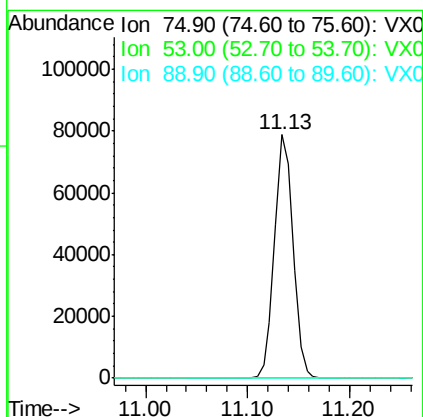
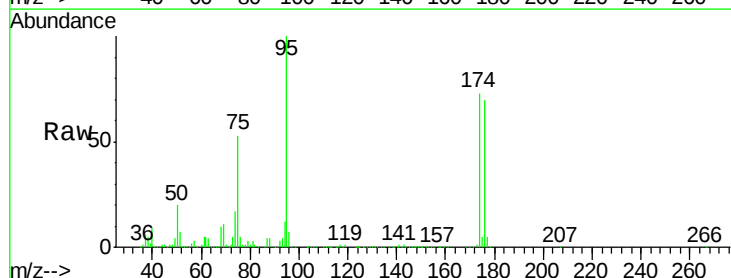
Tgt Ion: 75 Resp: 98751

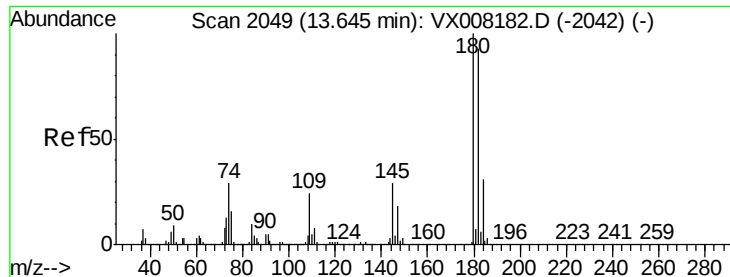
Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.3 54.5#

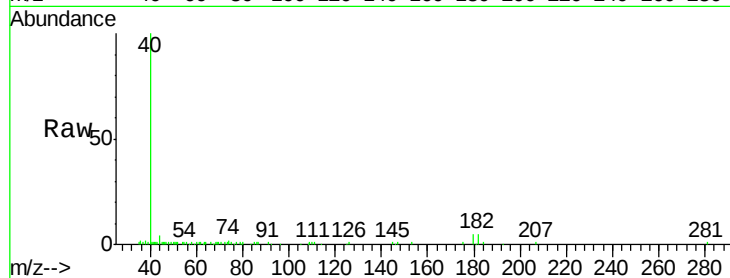




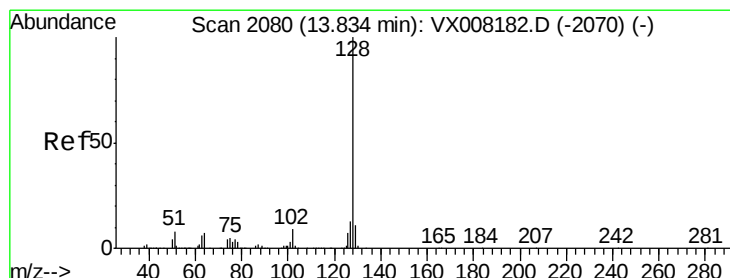
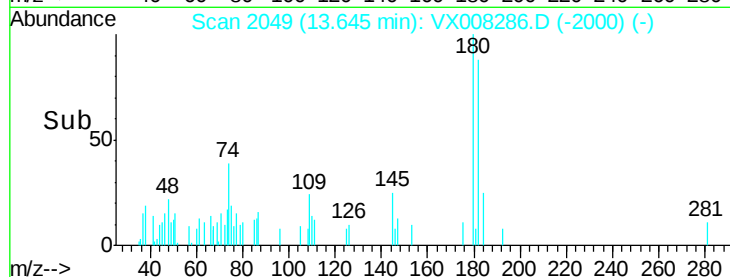
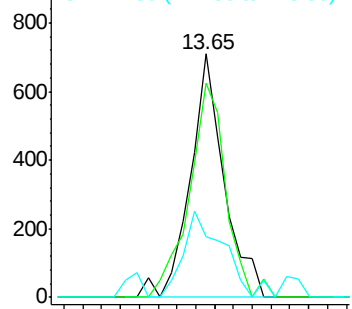
#93
 1,2,4-Trichlorobenzene
 Concen: 0.218 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008286.D
 Acq: 21 Mar 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB07-20190317

Tot Ion:180 Resp: 887
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.9 143.7
 145 40.0 14.1 42.4

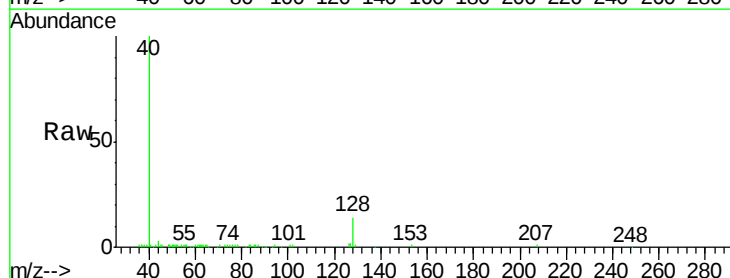


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

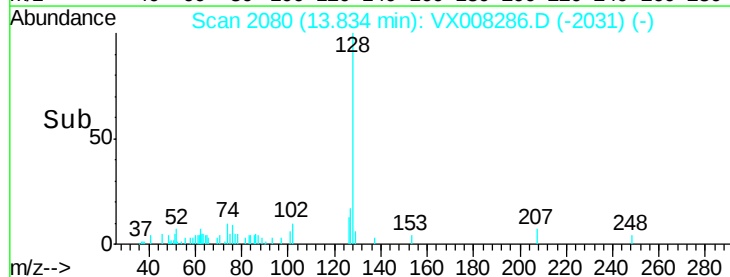
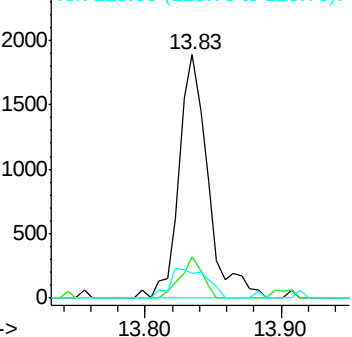


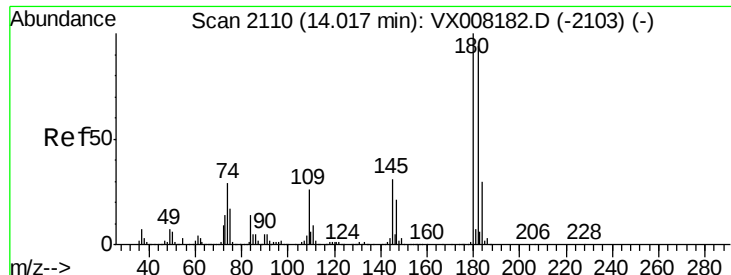
#95
 Naphthalene
 Concen: 0.219 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX008286.D
 Acq: 21 Mar 2019 13:18

Tgt Ion:128 Resp: 2816
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 15.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.229 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008286.D

Acq: 21 Mar 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TB07-20190317

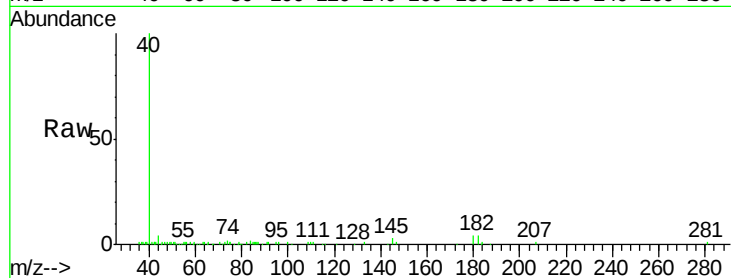
Tot Ion:180 Resp: 915

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.5

145 51.5 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

