

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008212.D
 Acq On : 20 Mar 2019 01:07
 Operator : JC/SP
 Sample : K1900-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB03-20190312

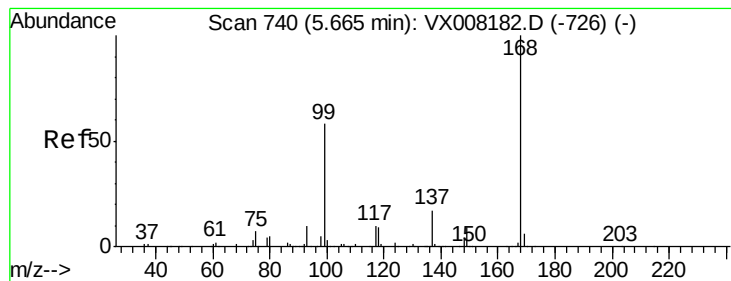
Quant Time: Mar 20 08:37:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	550095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	468563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188334	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	237504	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
35) Dibromofluoromethane	5.50	113	174271	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	679502	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	217652	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	4614	4.141	ug/l #	83
13) Acrolein	2.29	56	140	Below Cal	#	1
16) Acetone	2.45	43	2025	0.686	ug/l	90
17) Carbon Disulfide	2.57	76	1733	0.800	ug/l #	89
20) Methylene Chloride	2.85	84	1229	0.250	ug/l #	74
36) 1,1-Dichloropropene	5.66	75	27233	4.252	ug/l #	50
38) Carbon Tetrachloride	5.66	117	33380	5.849	ug/l #	16
53) t-1,3-Dichloropropene	9.05	75	303	1.461	ug/l #	84
56) Ethyl methacrylate	9.18	69	113	0.540	ug/l #	1
71) Bromoform	11.07	173	53	2.217	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	113545	21.435	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	113545	54.511	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

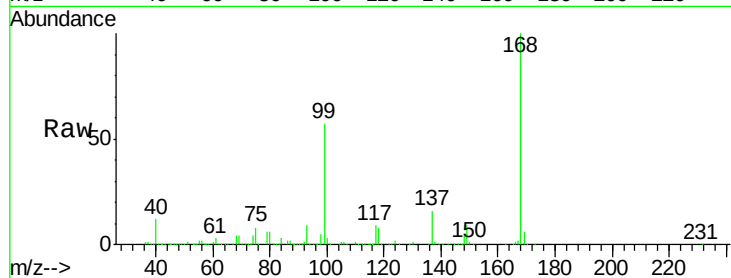
BP-TB03-20190312

Tot Ion:168 Resp: 345610

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

150000

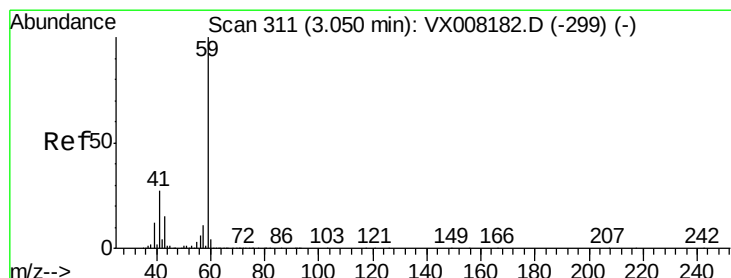
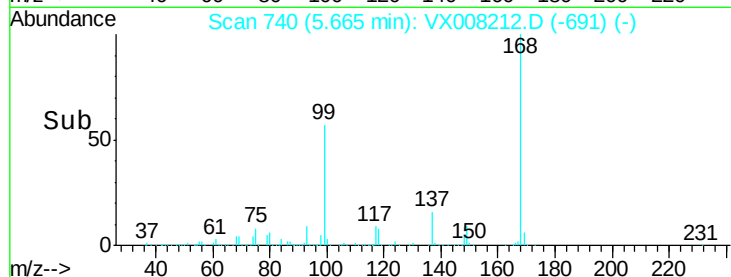
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 4.141 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008212.D

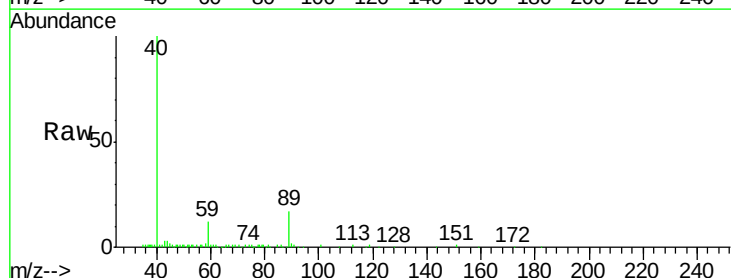
Acq: 20 Mar 2019 01:07

Tgt Ion: 59 Resp: 4614

Ion Ratio Lower Upper

59 100

57 3.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

2000

1500

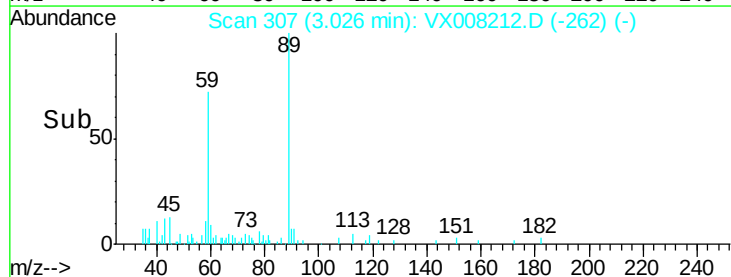
1000

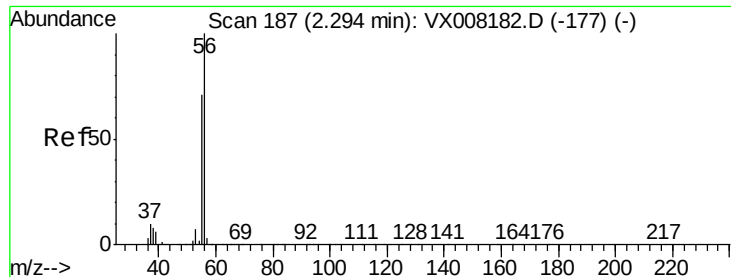
500

0

Time-->

2.90 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

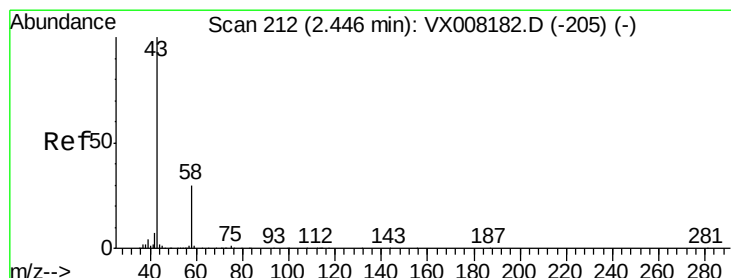
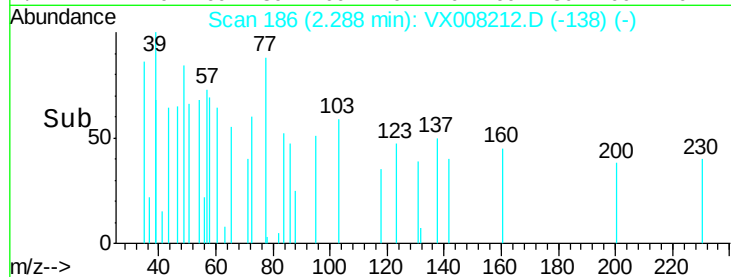
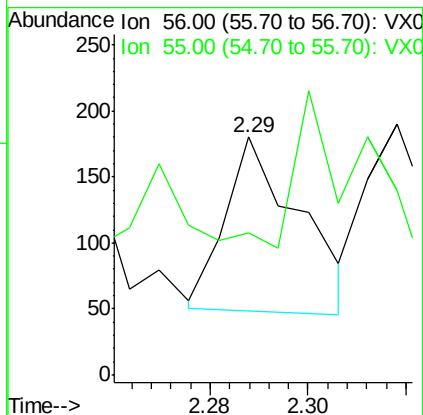
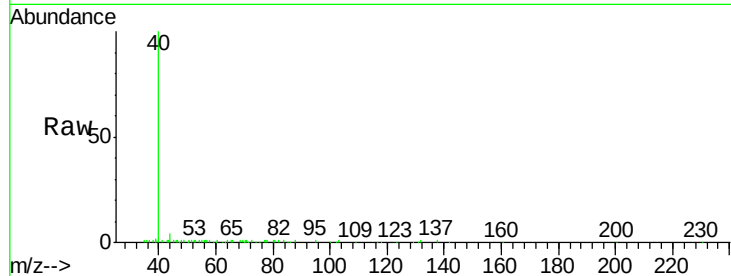
Instrument :
MSVOA_X
ClientSampleId :
BP-TB03-20190312

Tot Ion: 56 Resp: 140

Ion Ratio Lower Upper

56 100

55 246.4 57.8 86.6#



#16

Acetone

Concen: 0.686 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008212.D

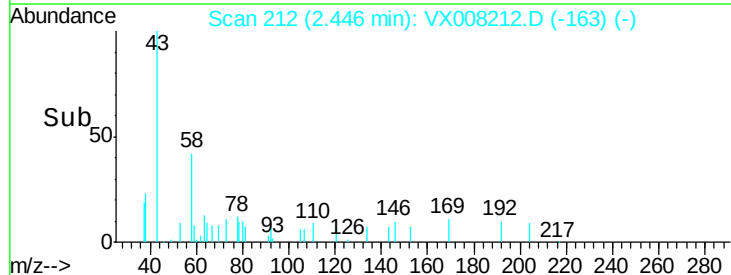
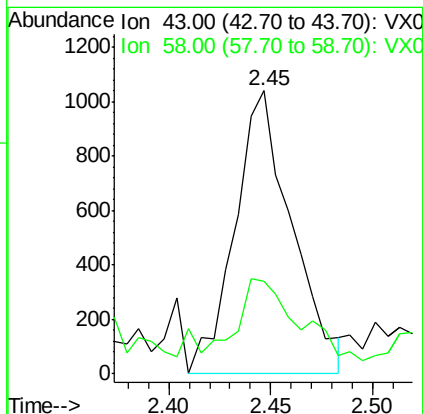
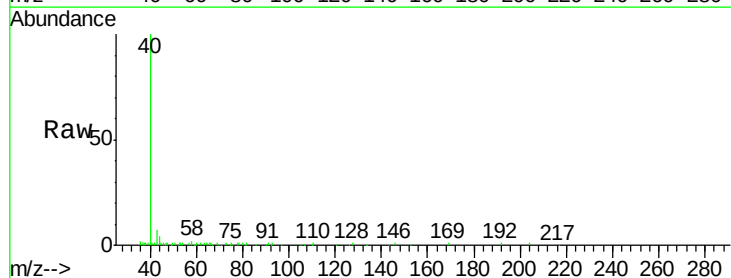
Acq: 20 Mar 2019 01:07

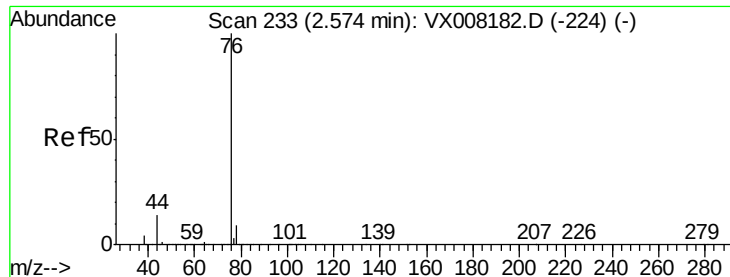
Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

58 26.3 25.5 38.3





#17

Carbon Disulfide

Concen: 0.800 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

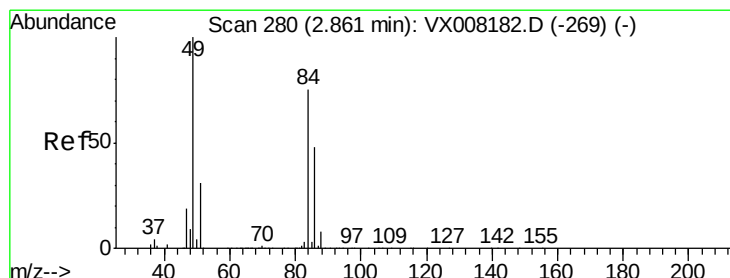
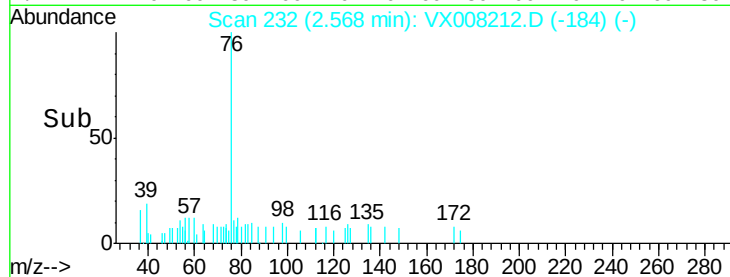
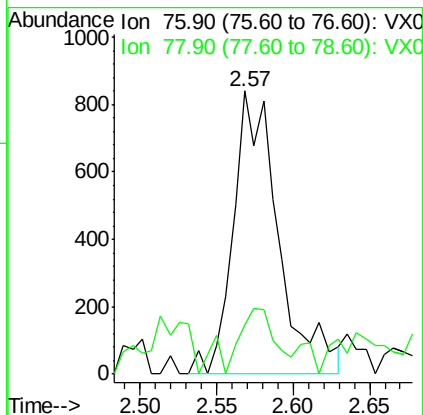
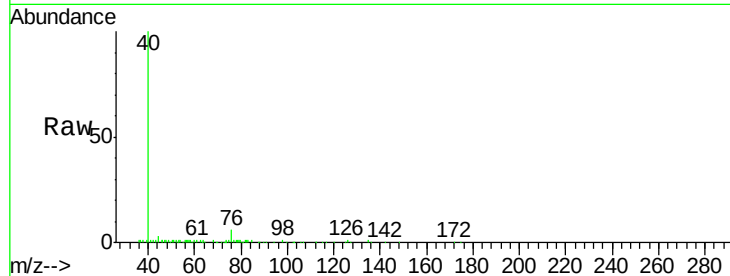
BP-TB03-20190312

Tot Ion: 76 Resp: 1733

Ion Ratio Lower Upper

76 100

78 5.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Tgt Ion: 84 Resp: 1229

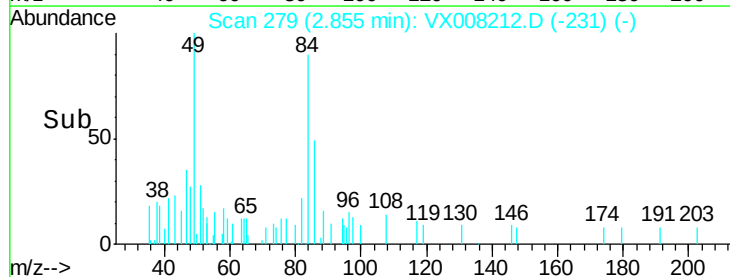
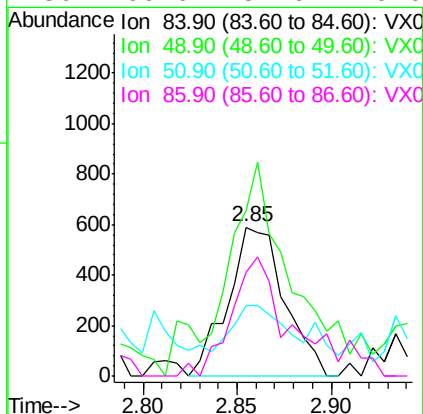
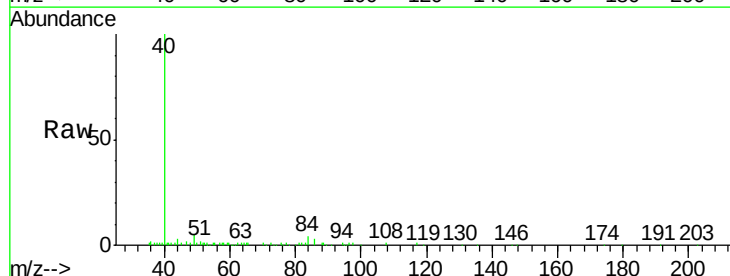
Ion Ratio Lower Upper

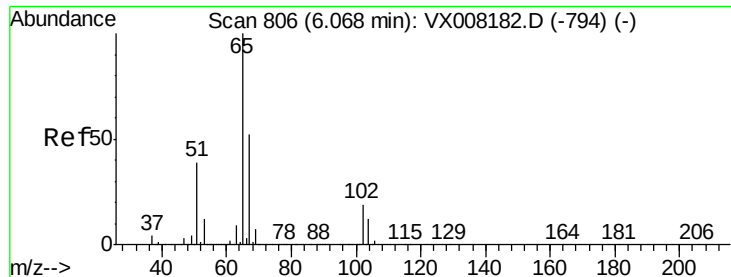
84 100

49 76.5 99.3 148.9#

51 33.5 31.3 46.9

86 60.6 52.6 79.0

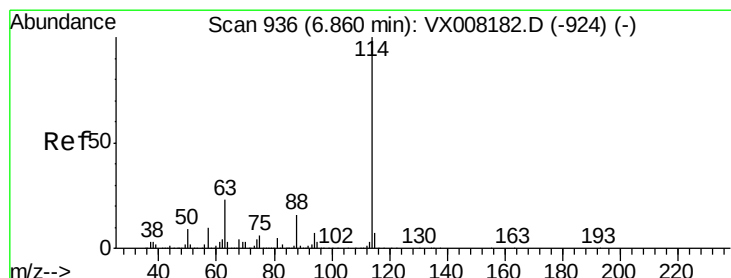
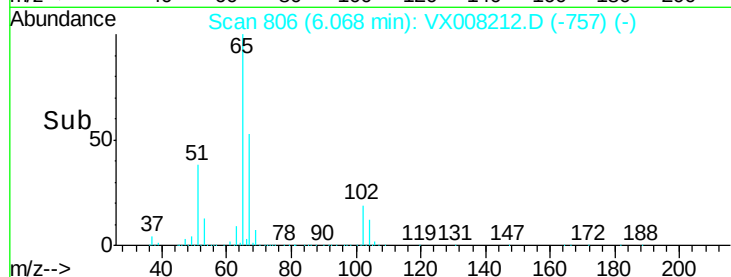
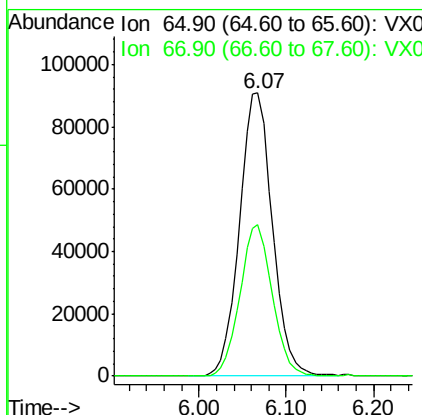
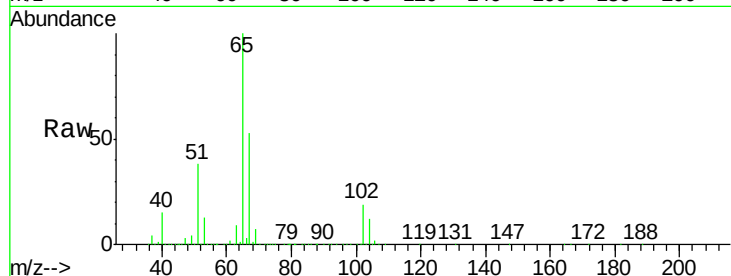




#33
 1,2-Dichloroethane-d4
 Concen: 45.628 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008212.D
 Acq: 20 Mar 2019 01:07

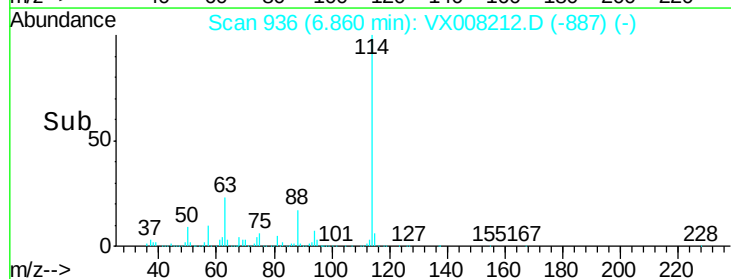
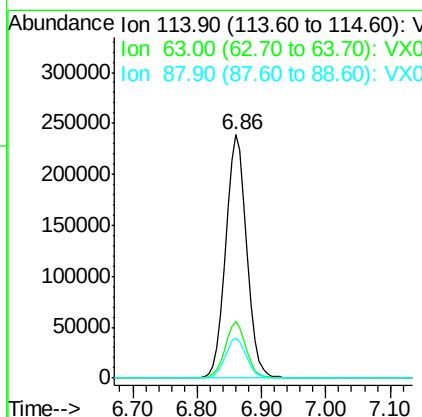
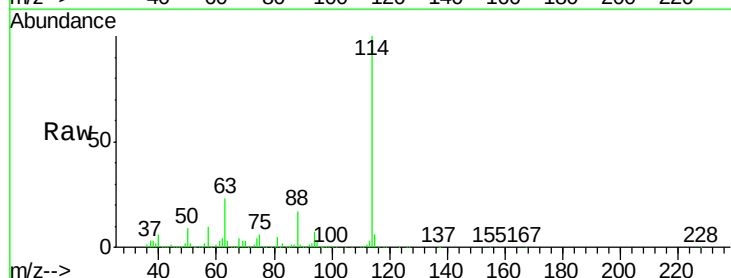
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB03-20190312

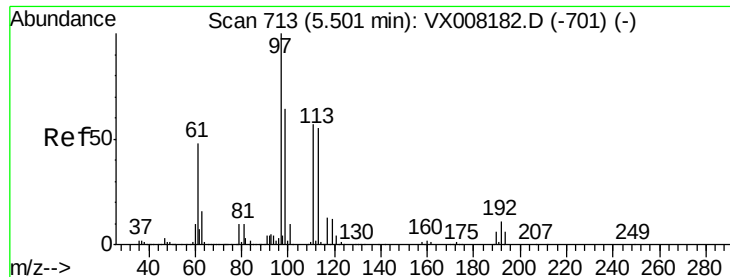
Tot Ion: 65 Resp: 237504
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008212.D
 Acq: 20 Mar 2019 01:07

Tgt Ion: 114 Resp: 550095
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 39.8
 88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.324 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TB03-20190312

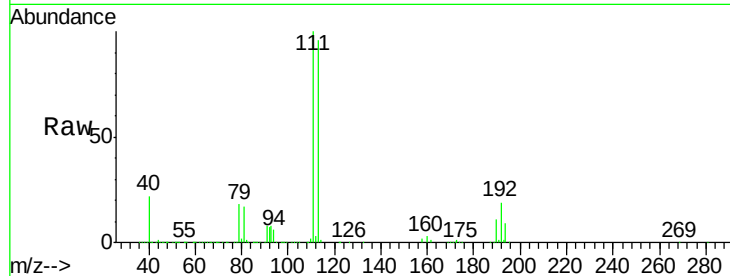
Tot Ion:113 Resp: 174271

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

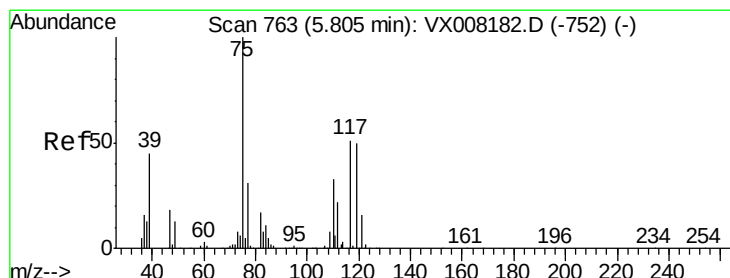
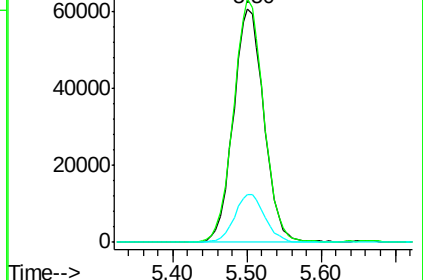
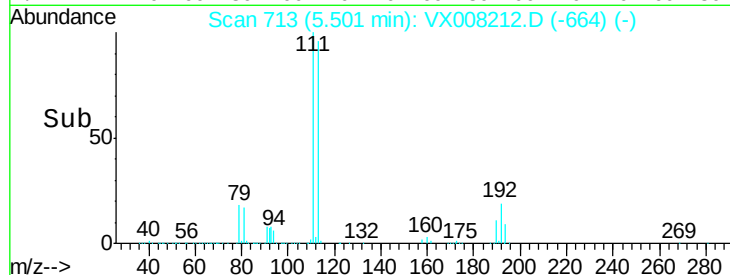
192 20.4 19.4 29.0



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: 4.252 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

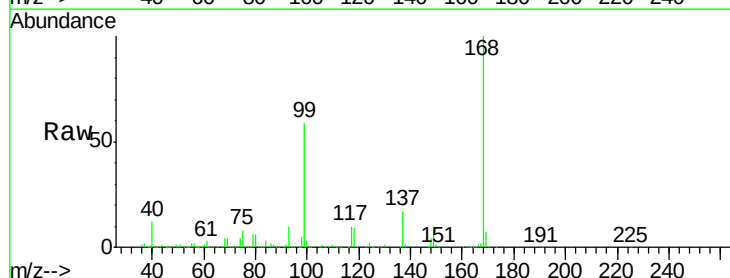
Tgt Ion: 75 Resp: 27233

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.0#

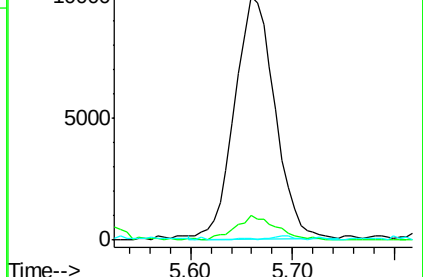
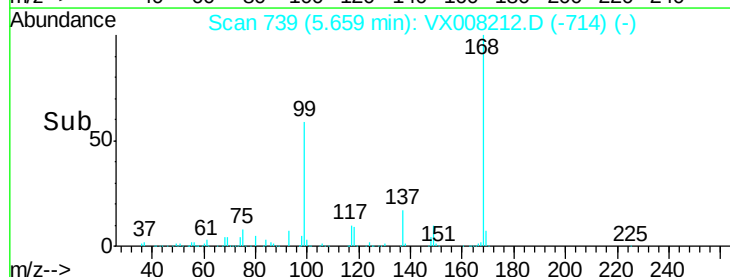
77 0.3 25.0 37.4#

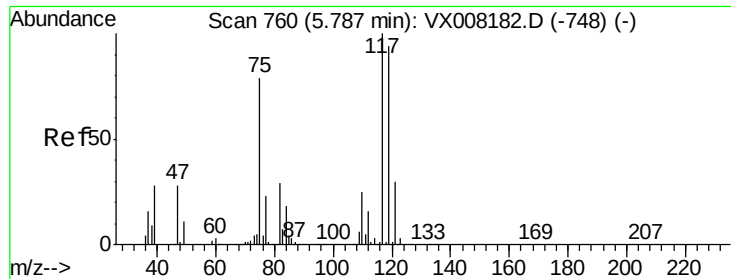


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TB03-20190312

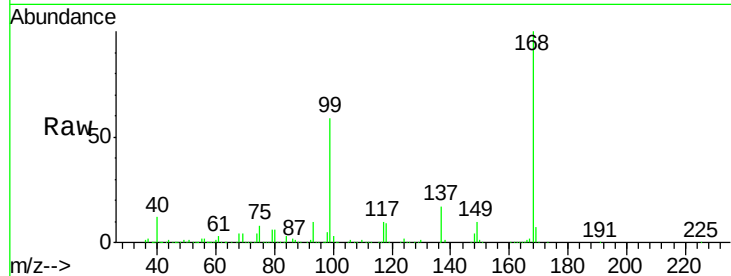
Tot Ion:117 Resp: 33380

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

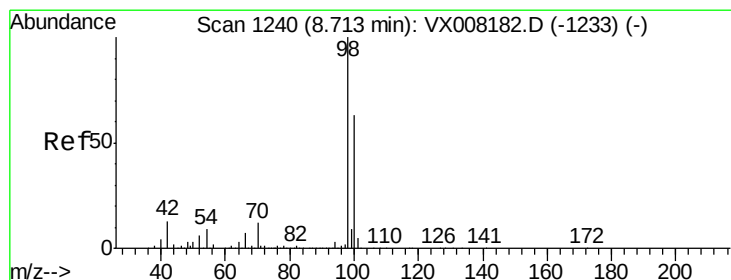
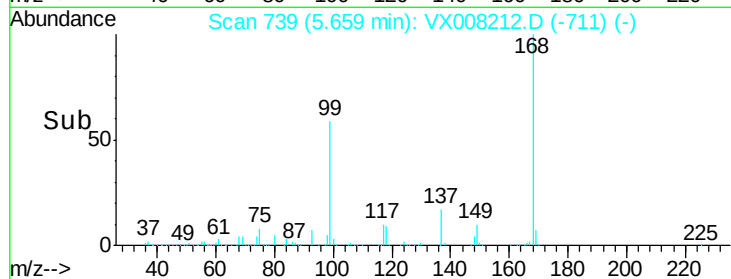
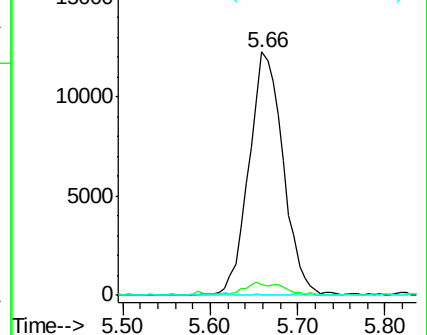
121 0.0 24.6 36.8#



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: 48.669 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008212.D

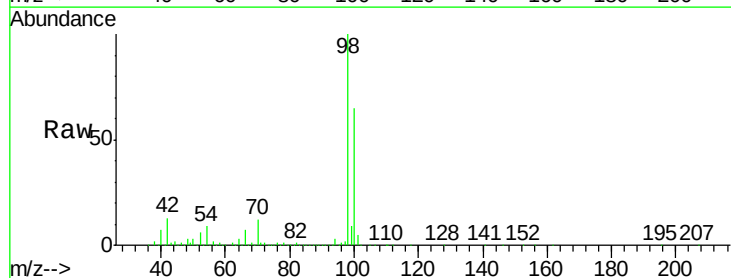
Acq: 20 Mar 2019 01:07

Tgt Ion: 98 Resp: 679502

Ion Ratio Lower Upper

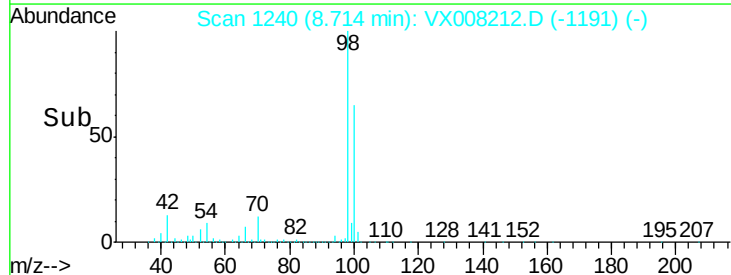
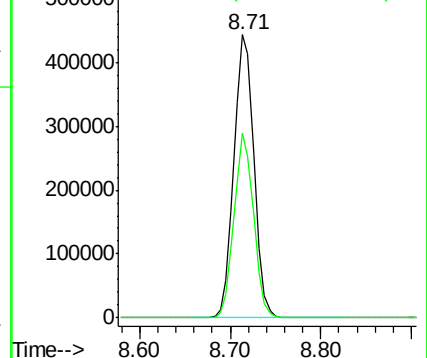
98 100

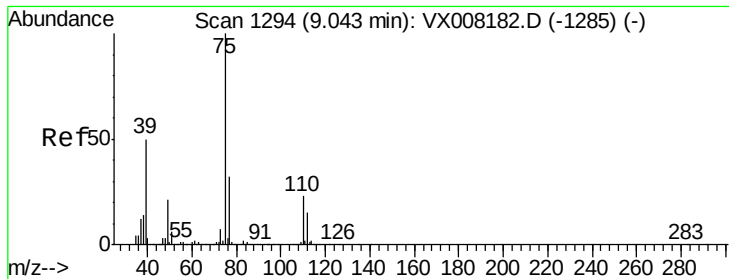
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX





#53

t-1,3-Dichloropropene

Concen: 1.461 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

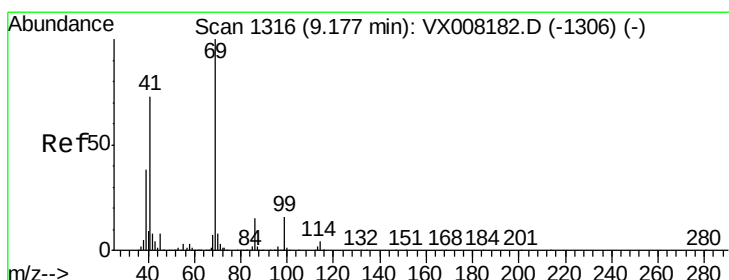
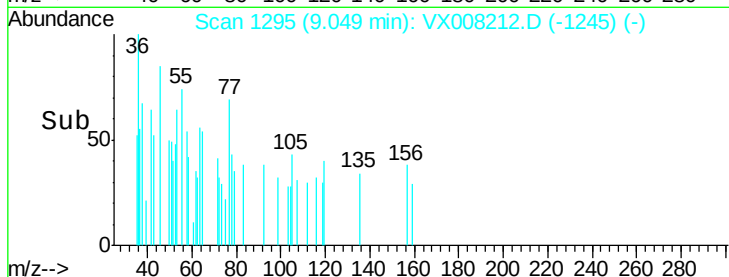
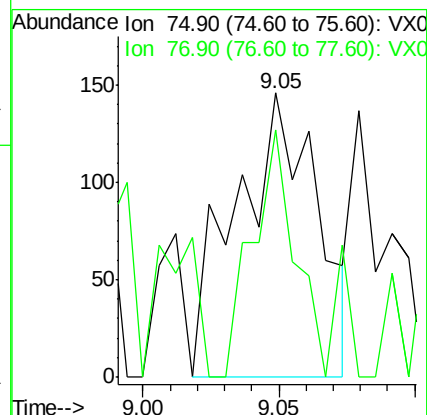
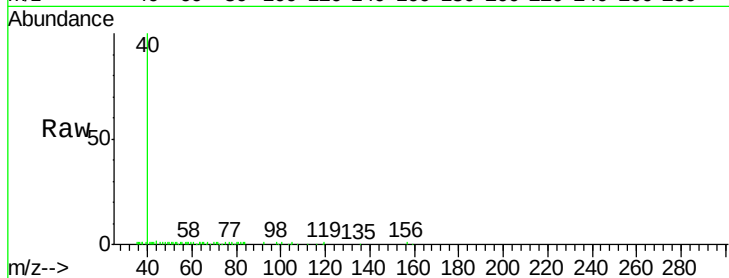
BP-TB03-20190312

Tot Ion: 75 Resp: 303

Ion Ratio Lower Upper

75 100

77 40.4 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.540 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

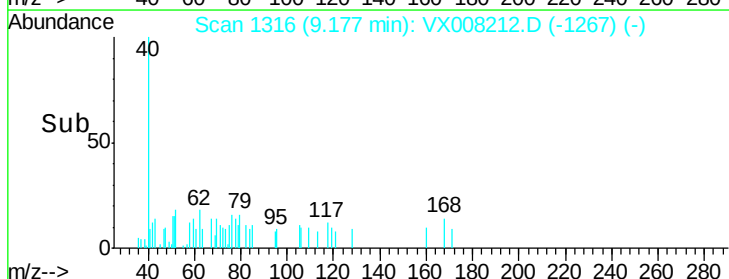
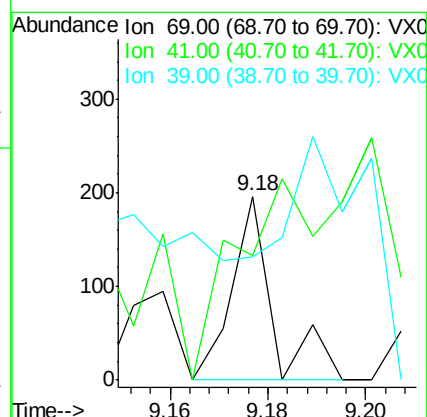
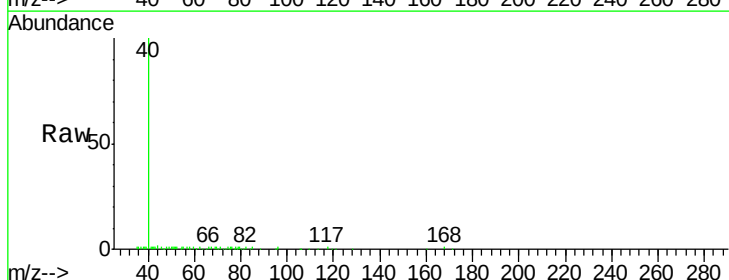
Tgt Ion: 69 Resp: 113

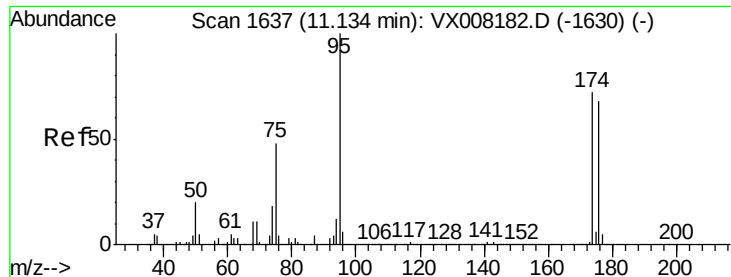
Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 310.6 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 45.275 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

BP-TB03-20190312

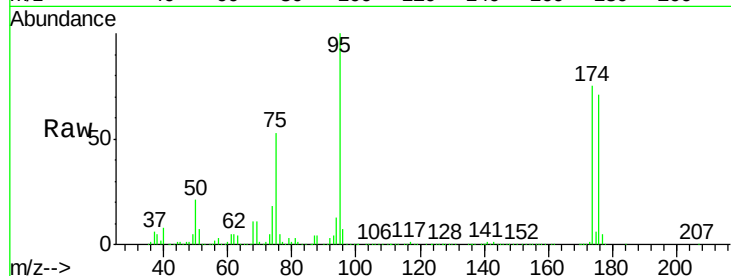
Tot Ion: 95 Resp: 217652

Ion Ratio Lower Upper

95 100

174 79.1 0.0 182.8

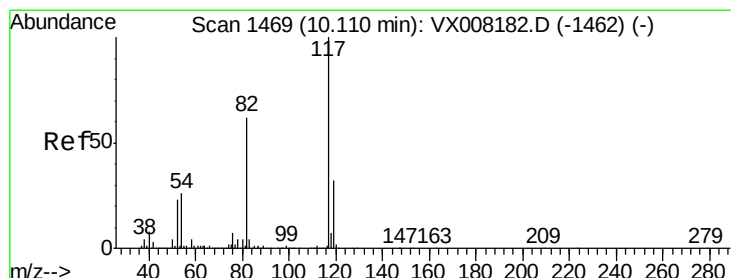
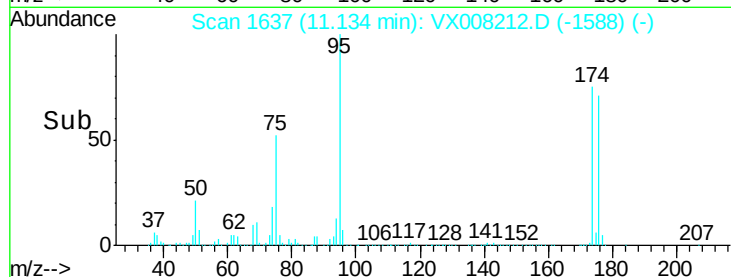
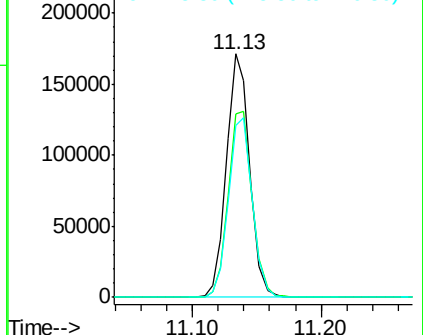
176 75.7 0.0 178.0



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: VX008212.D

Acq: 20 Mar 2019 01:07

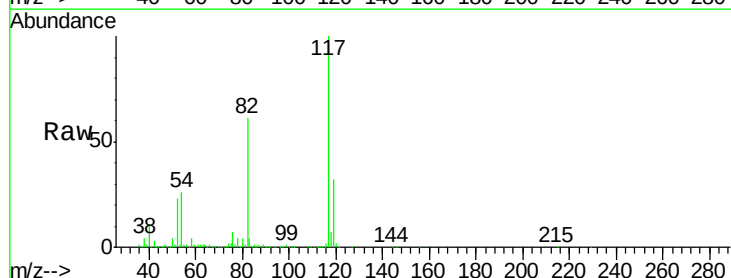
Tgt Ion: 117 Resp: 468563

Ion Ratio Lower Upper

117 100

82 60.7 44.3 66.5

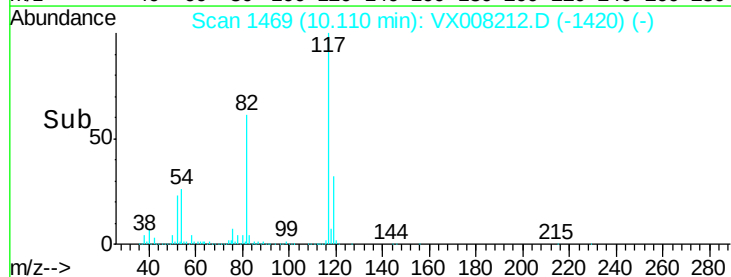
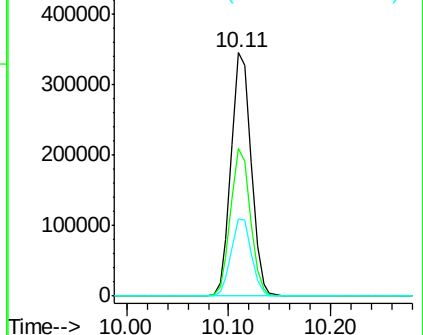
119 31.9 25.3 37.9

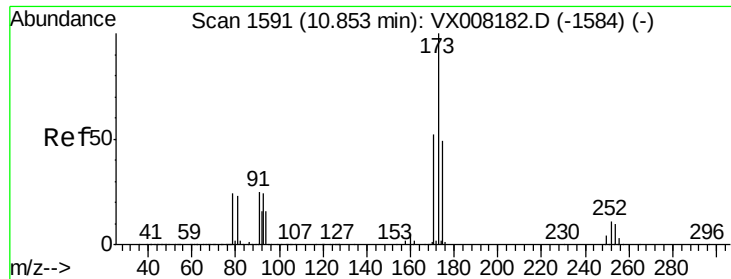


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

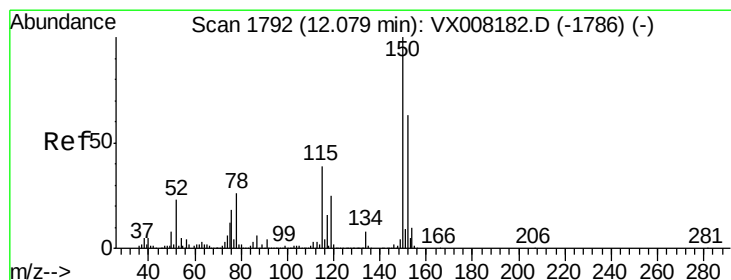
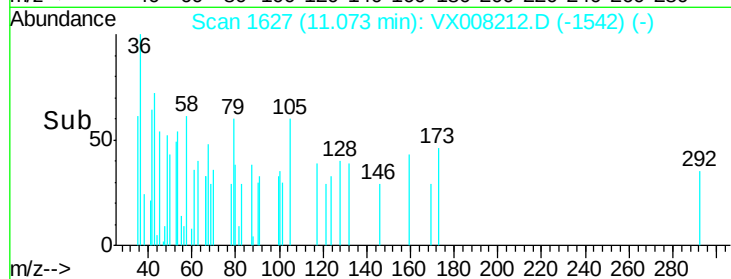
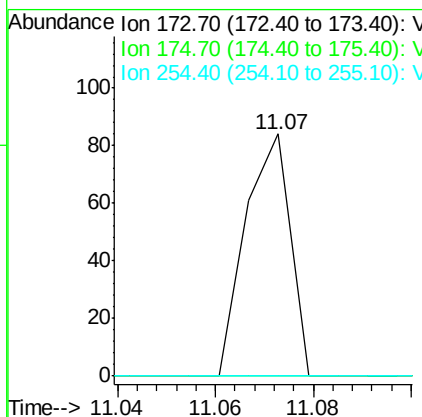
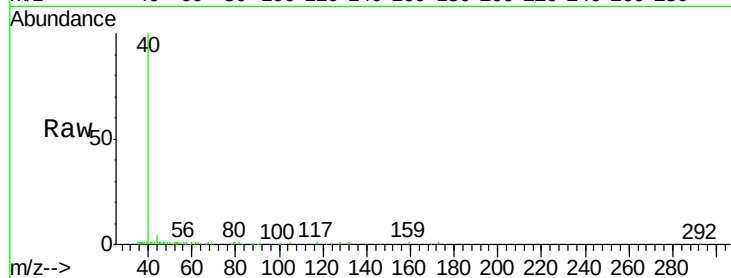




#71
Bromoform
Concen: 2.217 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.22 min
Lab File: VX008212.D
Acq: 20 Mar 2019 01:07

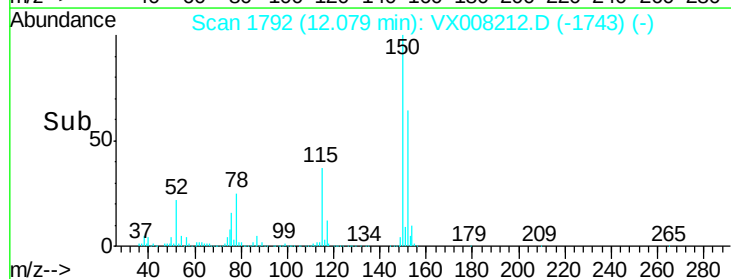
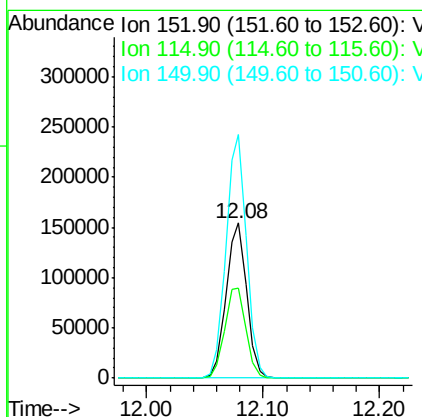
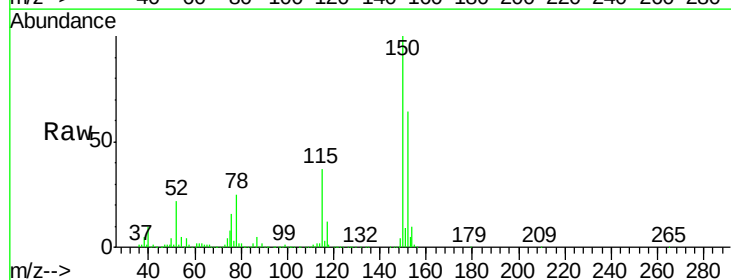
Instrument :
MSVOA_X
ClientSampleId :
BP-TB03-20190312

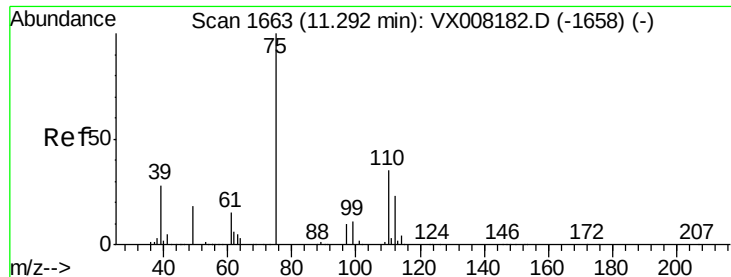
Tot Ion:173 Resp: 53
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008212.D
Acq: 20 Mar 2019 01:07

Tgt Ion:152 Resp: 188334
Ion Ratio Lower Upper
152 100
115 60.2 38.6 115.7
150 156.7 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 21.435 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

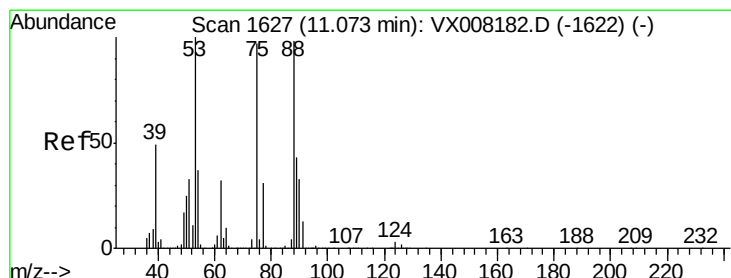
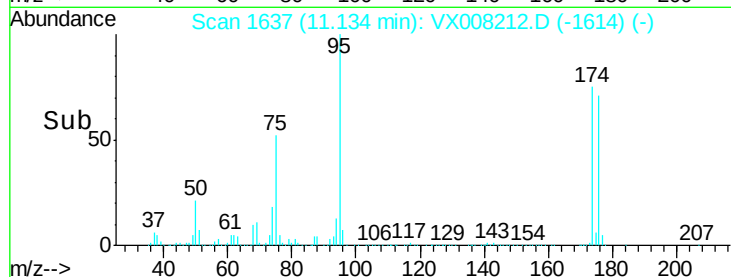
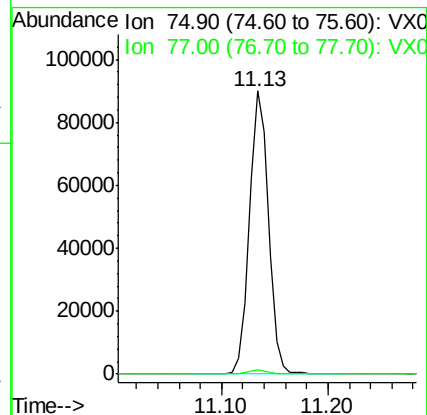
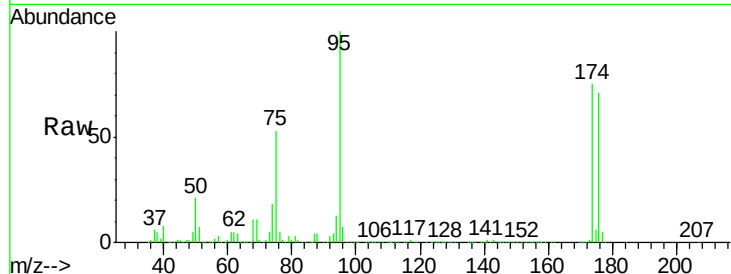
BP-TB03-20190312

Tot Ion: 75 Resp: 113545

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.511 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008212.D

Acq: 20 Mar 2019 01:07

Tgt Ion: 75 Resp: 113545

Ion Ratio Lower Upper

75 100

53 0.4 76.1 114.1#

89 0.0 36.3 54.5#

