

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008357.D
 Acq On : 23 Mar 2019 18:10
 Operator : JC/SP
 Sample : K1937-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190313

Quant Time: Mar 25 08:00:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	345717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145755	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	170706	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	5.50	113	124501	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	505109	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.13	95	172437	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	

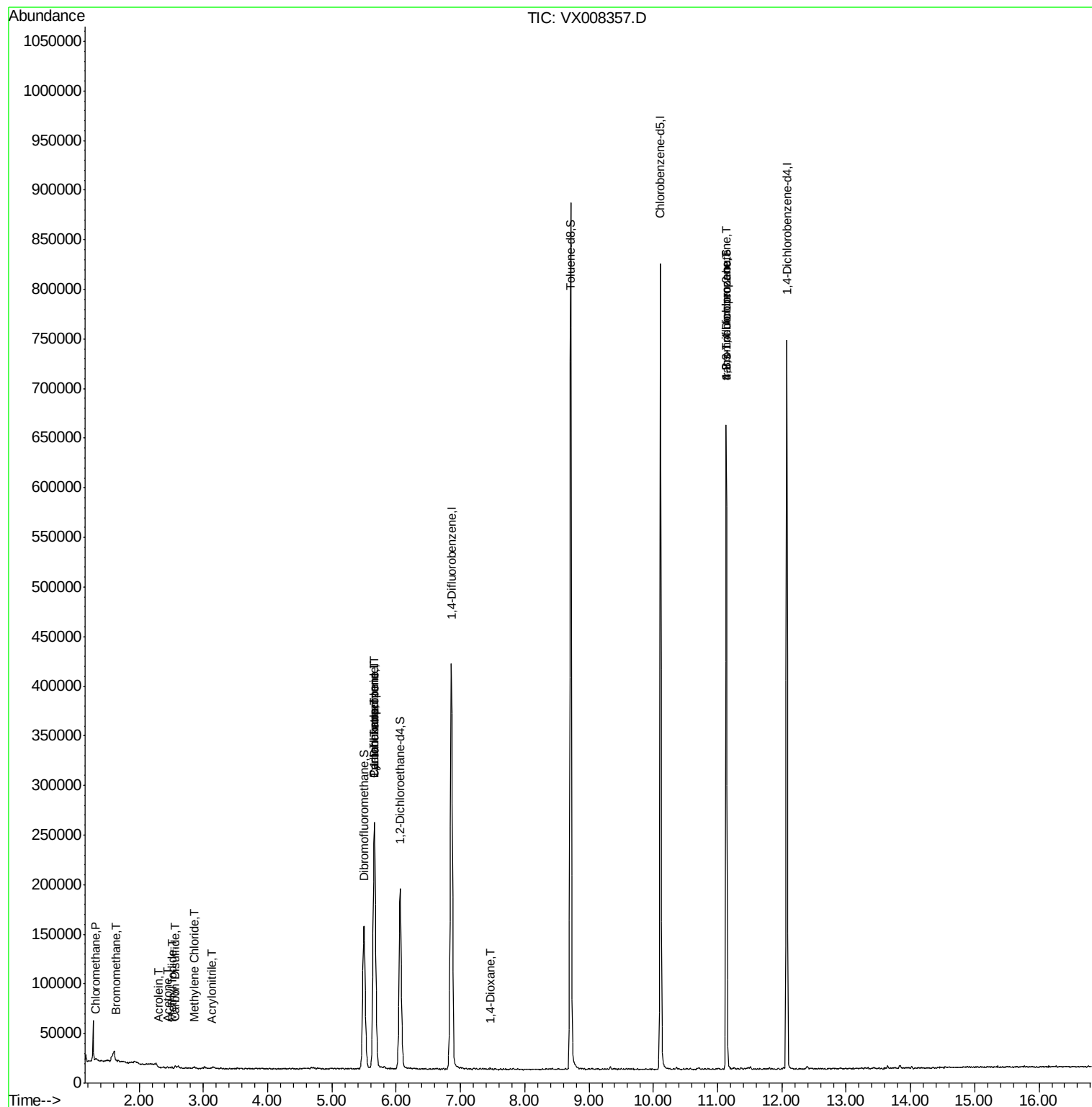
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	918	0.237	ug/l	90
5) Bromomethane	1.64	94	694	0.292	ug/l	84
10) Methyl Iodide	2.51	142	755	0.234	ug/l #	89
13) Acrolein	2.30	56	323	0.482	ug/l #	45
15) Acrylonitrile	3.13	53	428	0.213	ug/l #	1
16) Acetone	2.44	43	1203	0.684	ug/l	97
17) Carbon Disulfide	2.57	76	2519	0.300	ug/l #	87
20) Methylene Chloride	2.85	84	738	0.233	ug/l #	79
31) Cyclohexane	5.66	56	5129	0.927	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20374	4.937	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23758	6.715	ug/l #	17
49) 1,4-Dioxane	7.46	88	40	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88221	23.124	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	88221	65.898	ug/l #	12

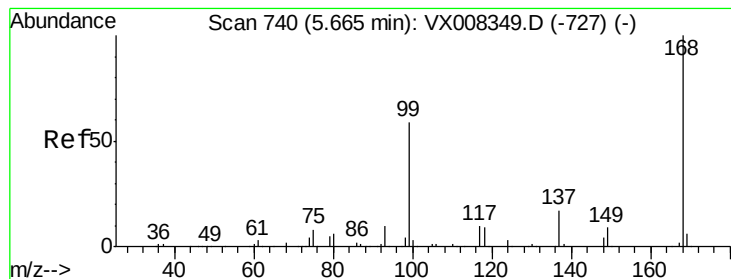
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

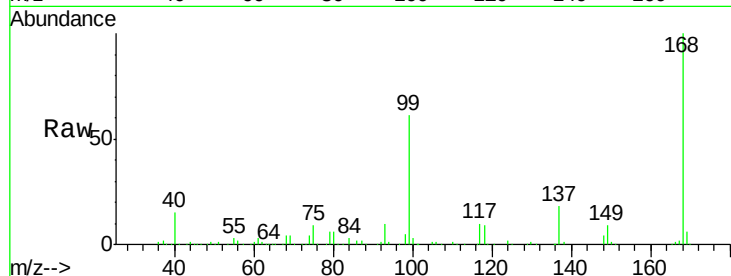
BP-TB04-20190313

Tot Ion:168 Resp: 230609

Ion Ratio Lower Upper

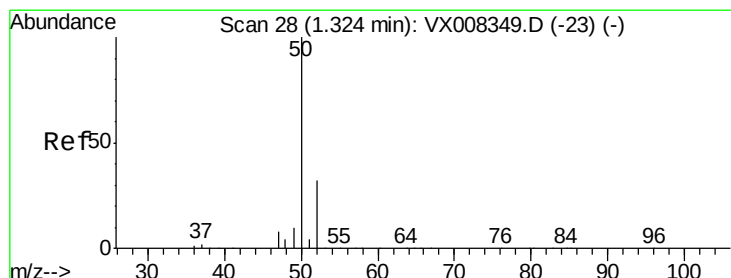
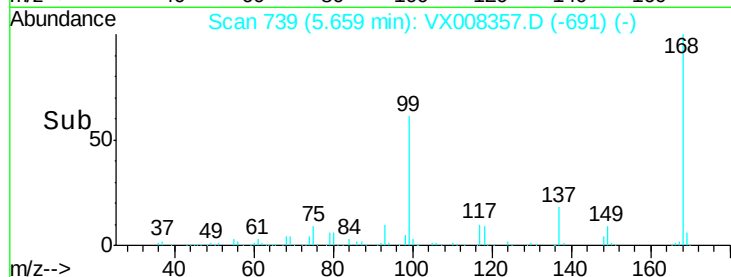
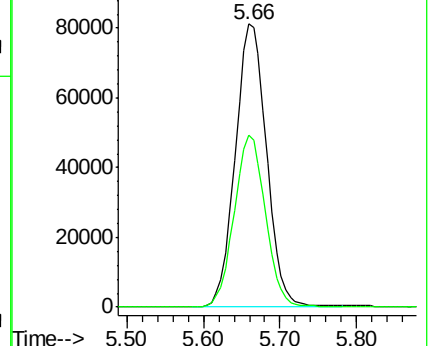
168 100

99 60.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008357.D

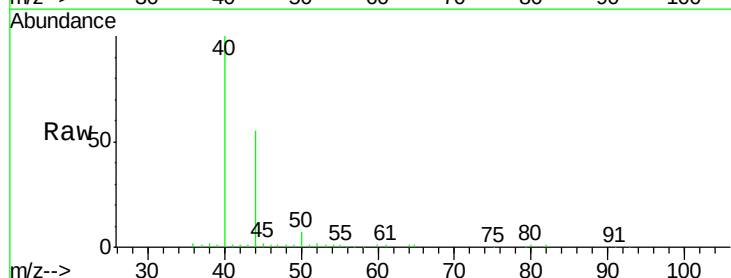
Acq: 23 Mar 2019 18:10

Tgt Ion: 50 Resp: 918

Ion Ratio Lower Upper

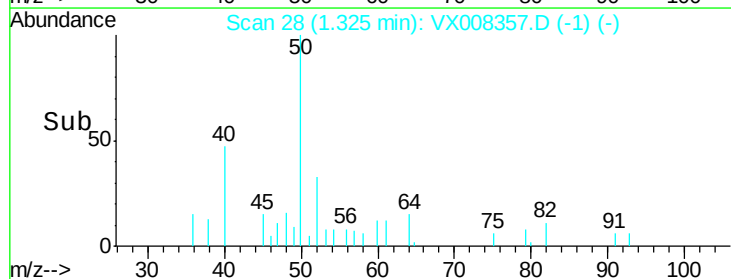
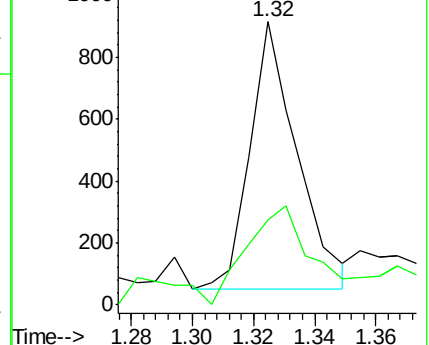
50 100

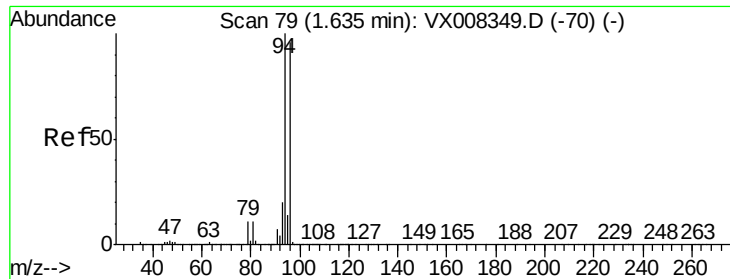
52 27.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

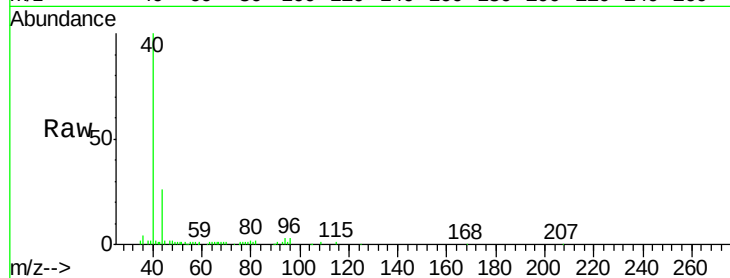
BP-TB04-20190313

Tot Ion: 94 Resp: 694

Ion Ratio Lower Upper

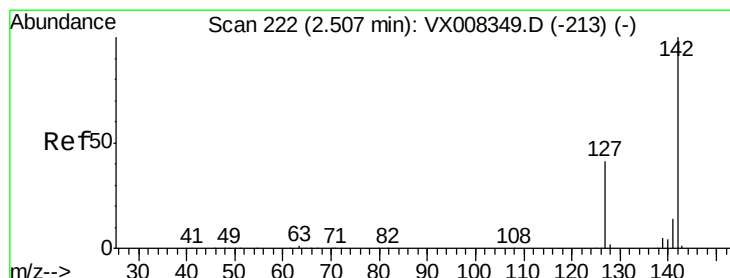
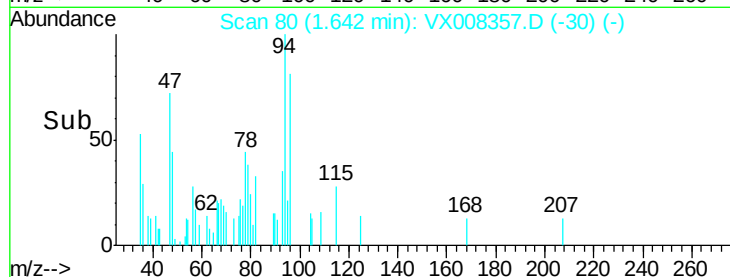
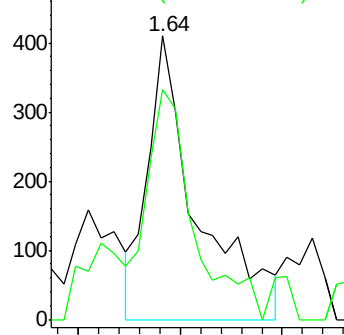
94 100

96 78.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.234 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

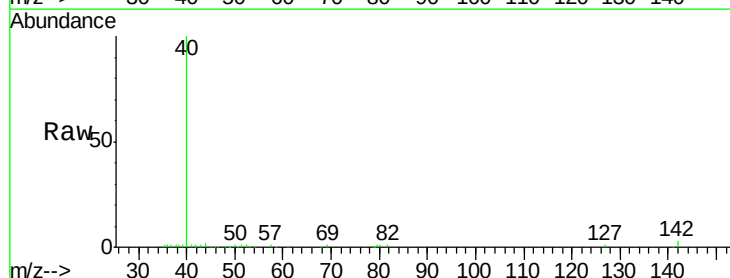
Tgt Ion: 142 Resp: 755

Ion Ratio Lower Upper

142 100

127 44.6 32.1 48.1

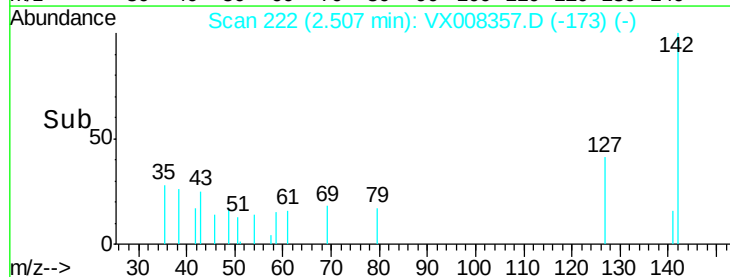
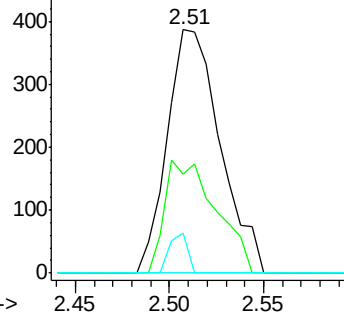
141 5.6 11.4 17.2#

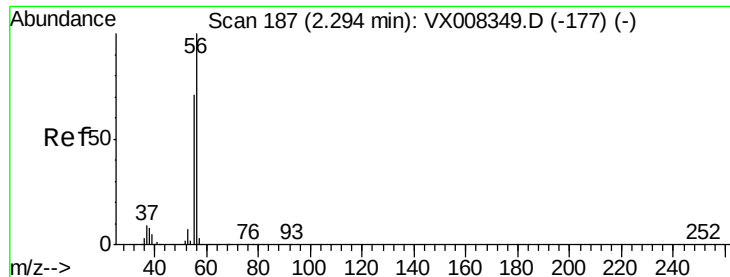


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.482 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

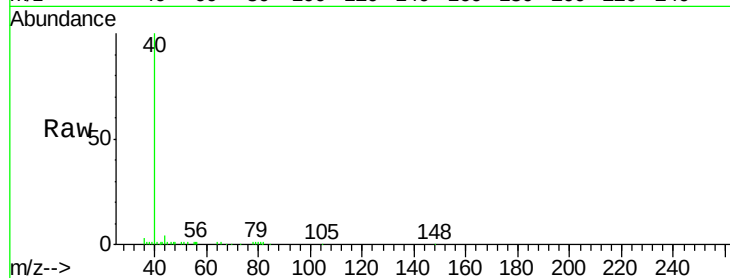
BP-TB04-20190313

Tot Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 26.3 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

250

200

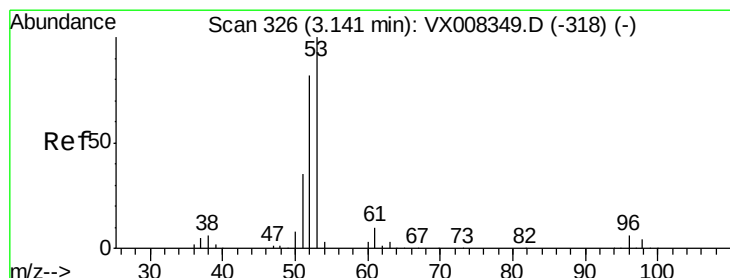
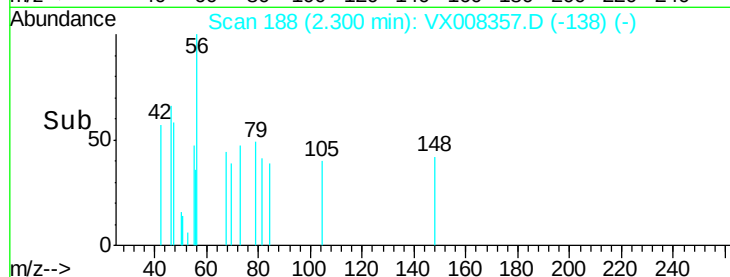
150

100

50

0

Time-->



#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

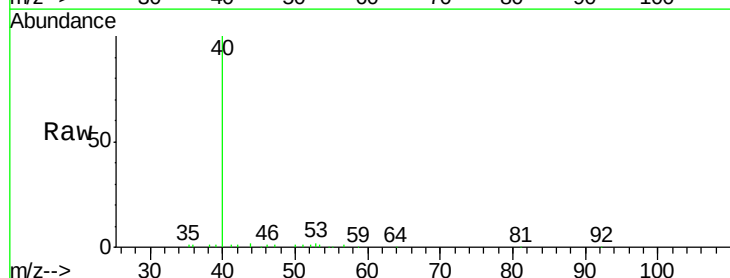
Tgt Ion: 53 Resp: 428

Ion Ratio Lower Upper

53 100

52 201.2 66.0 99.0#

51 96.3 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.13

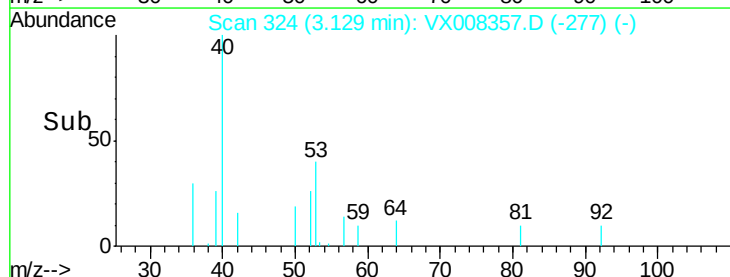
300

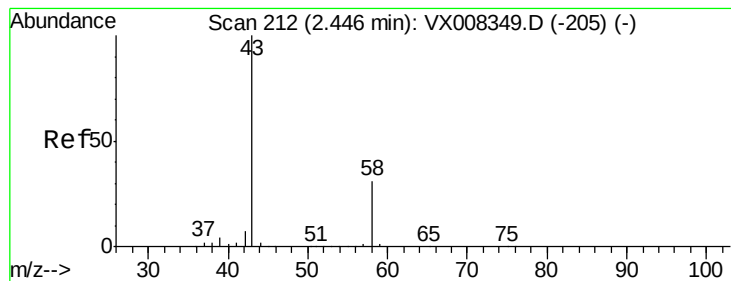
200

100

0

Time-->





#16

Acetone

Concen: 0.684 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

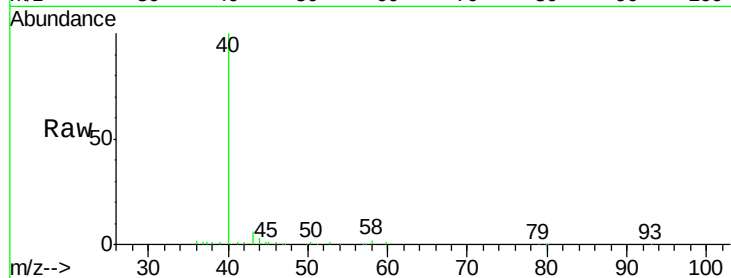
BP-TB04-20190313

Tot Ion: 43 Resp: 1203

Ion Ratio Lower Upper

43 100

58 30.5 25.5 38.3

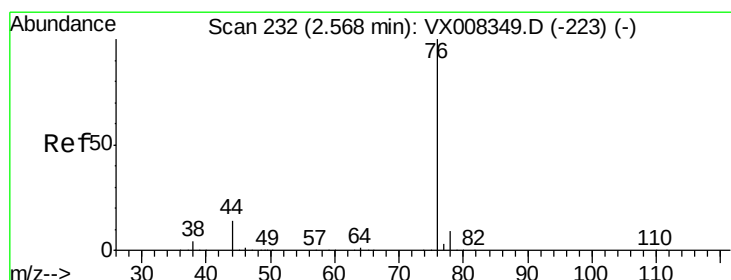
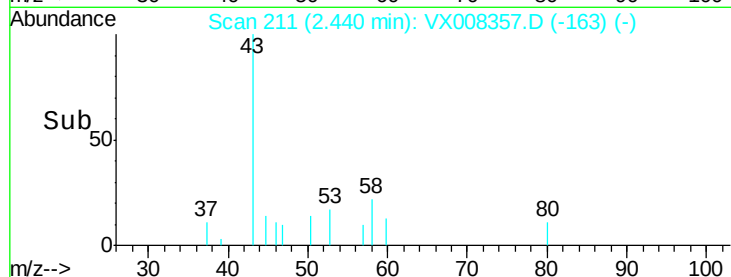


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->



#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008357.D

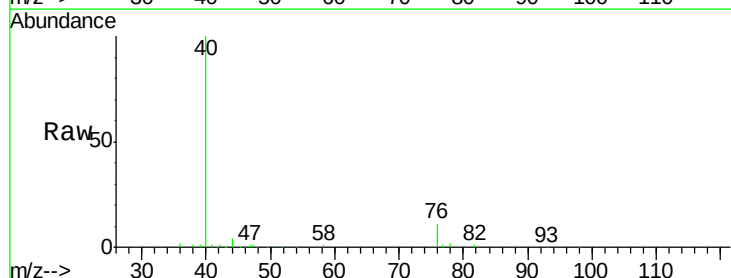
Acq: 23 Mar 2019 18:10

Tgt Ion: 76 Resp: 2519

Ion Ratio Lower Upper

76 100

78 13.7 7.2 10.8#

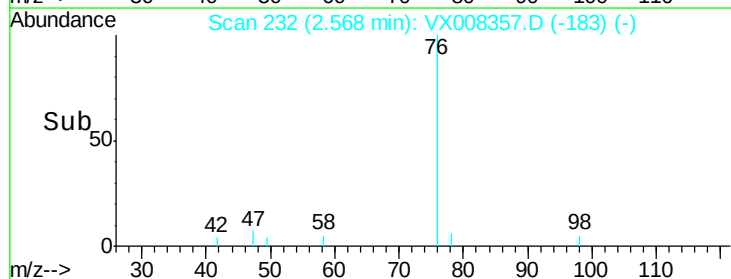


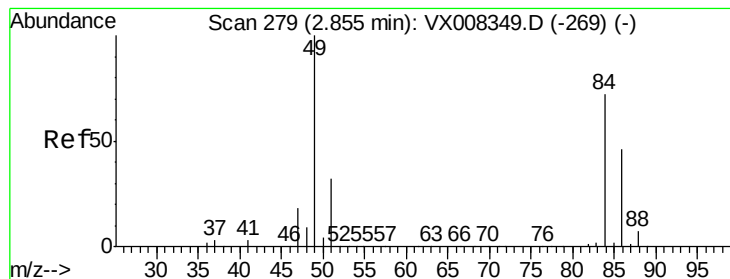
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->





#20

Methvlene Chloride

Concen: 0.233 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

Tot Ion: 84 Resp: 738

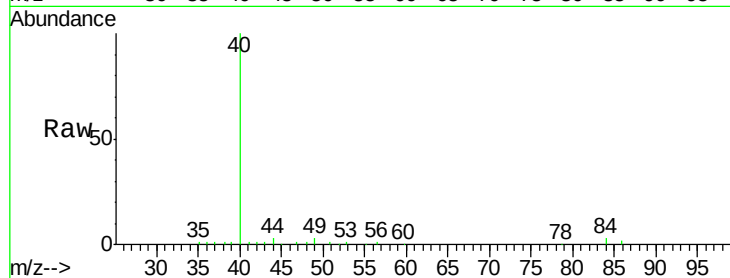
Ion Ratio Lower Upper

84 100

49 87.9 99.3 148.9#

51 32.0 31.3 46.9

86 71.6 52.6 79.0



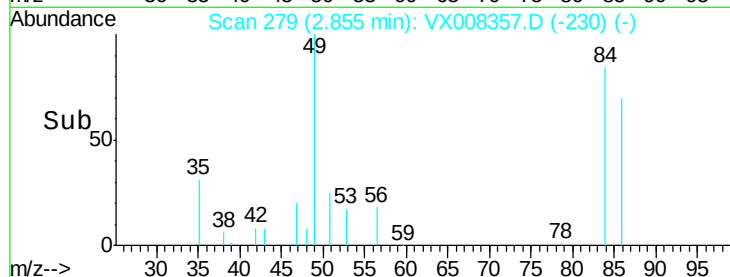
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

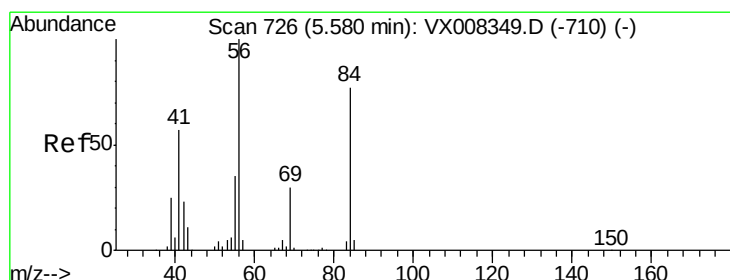
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->



Time-->



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

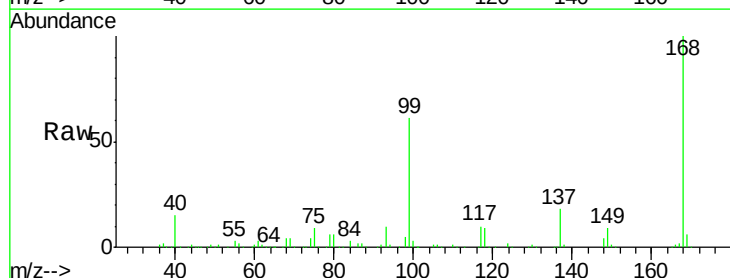
Tgt Ion: 56 Resp: 5129

Ion Ratio Lower Upper

56 100

69 164.1 24.0 36.0#

84 142.9 65.3 97.9#

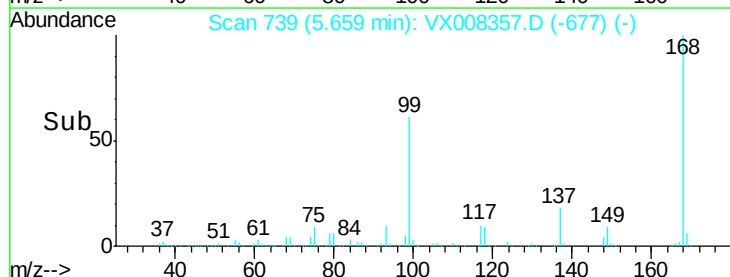


Abundance Ion 56.00 (55.70 to 56.70): VX0

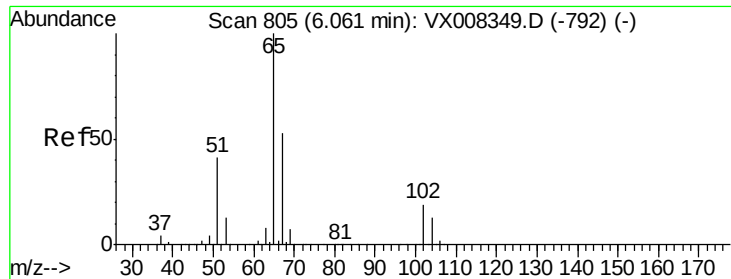
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



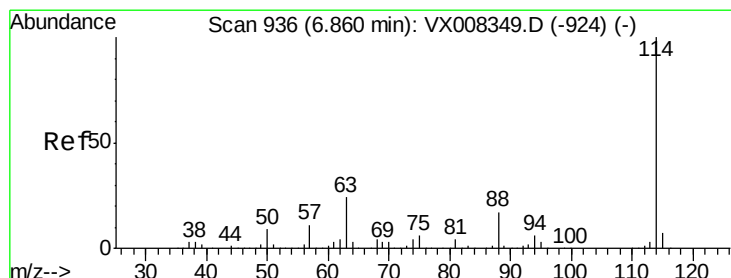
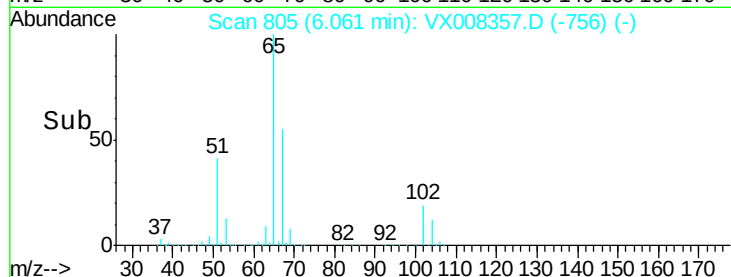
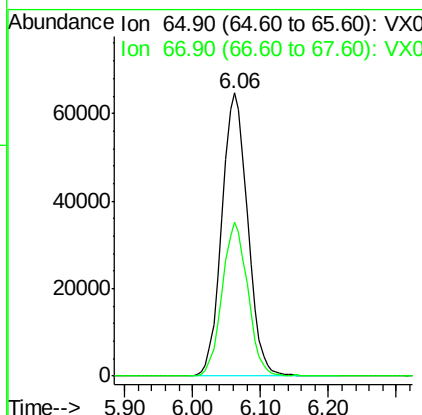
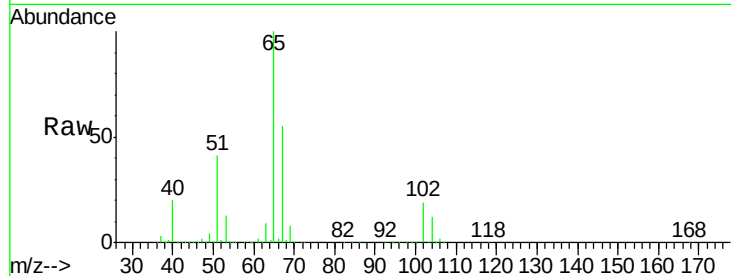
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.534 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

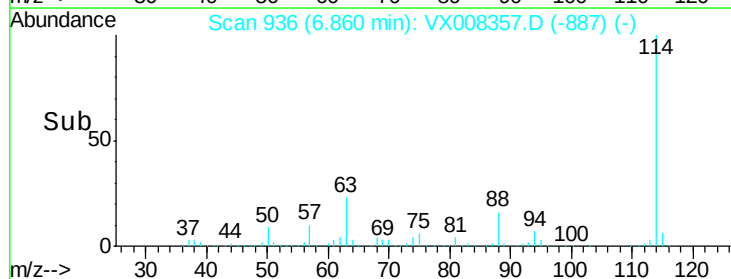
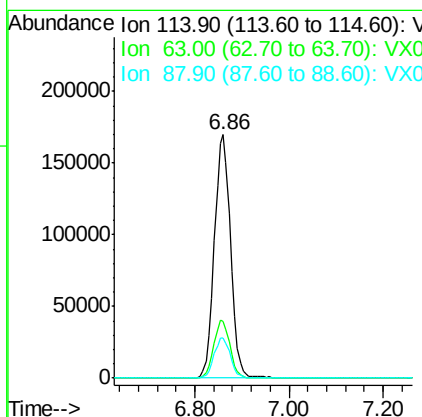
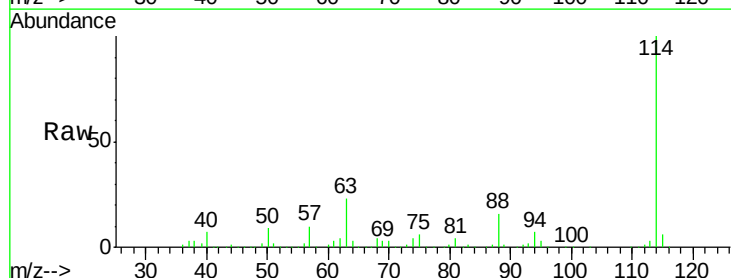
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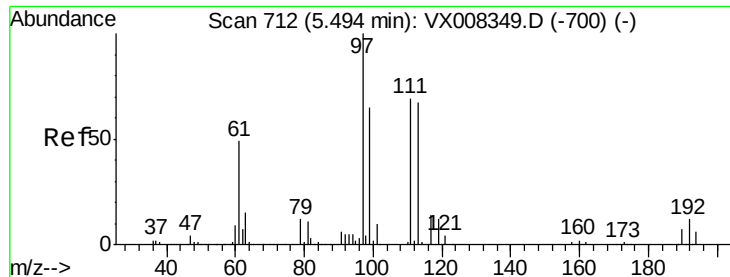
Tot Ion: 65 Resp: 170706
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

Tgt Ion: 114 Resp: 403888
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 39.8
 88 16.4 0.0 31.4

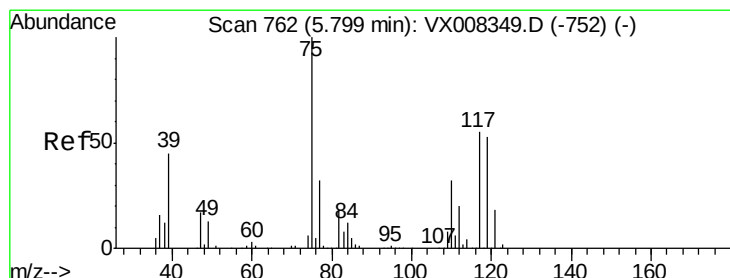
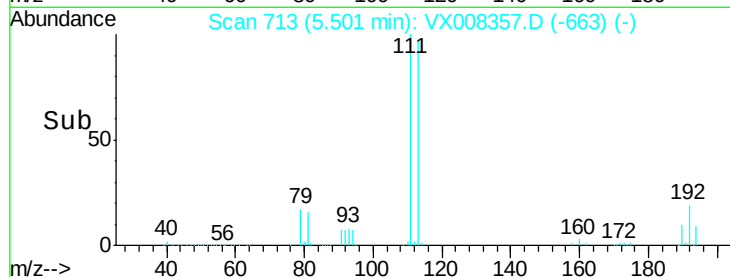
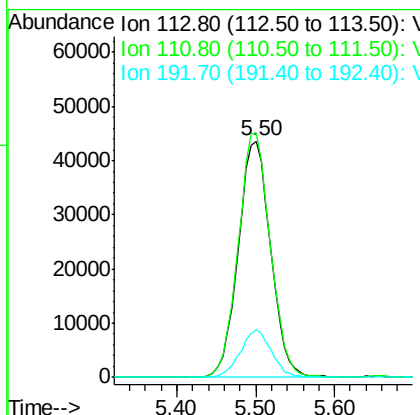
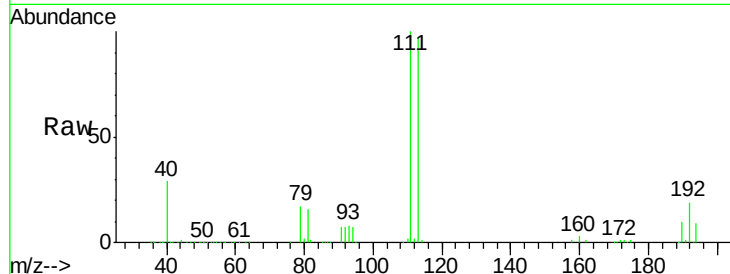




#35
 Dibromofluoromethane
 Concen: 47.578 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

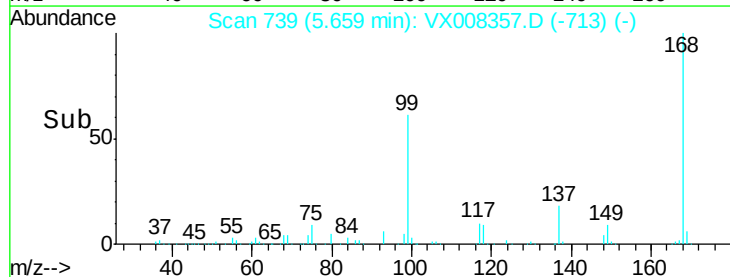
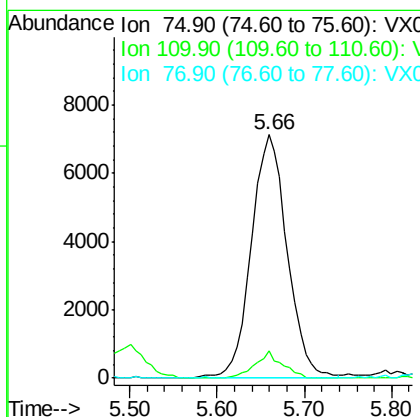
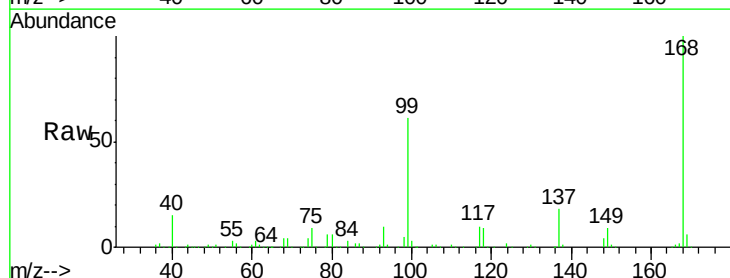
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190313

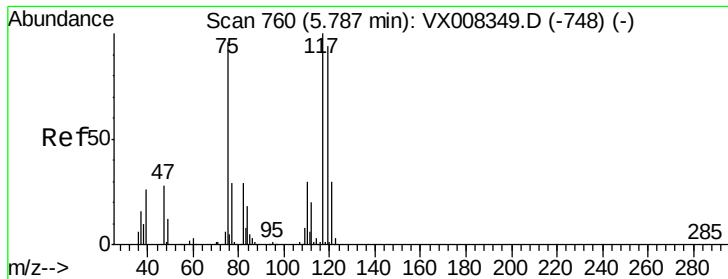
Tot Ion:113 Resp: 124501
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 19.4 19.4 29.0#



#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

Tgt Ion: 75 Resp: 20374
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.715 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

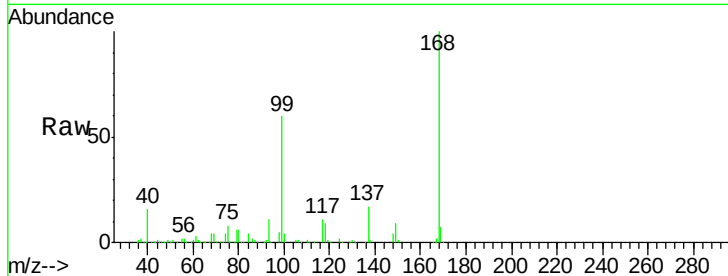
Tot Ion:117 Resp: 23758

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

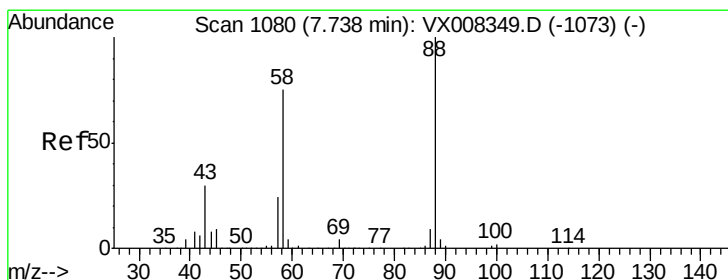
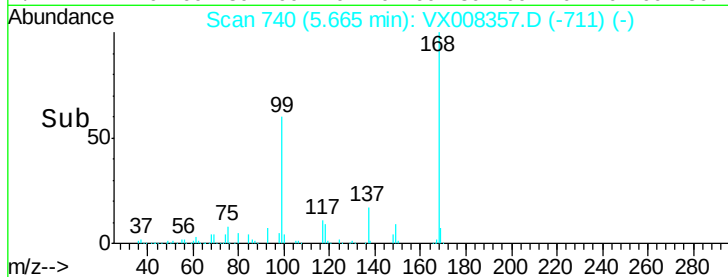
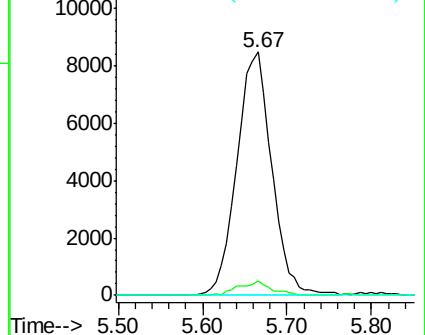
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.452 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.27 min

Lab File: VX008357.D

Acq: 23 Mar 2019 18:10

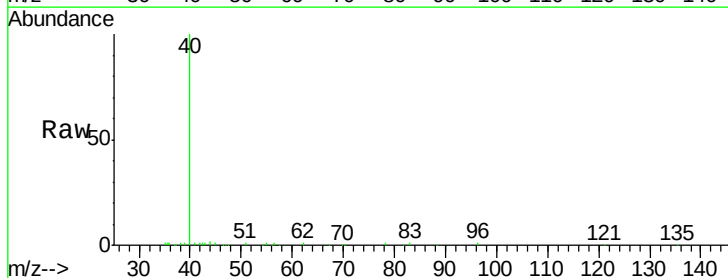
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 237.5 25.1 37.7#

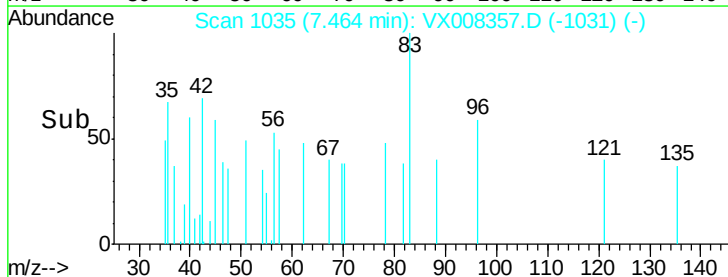
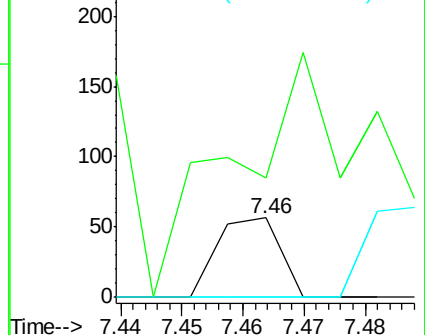
58 0.0 57.8 86.6#

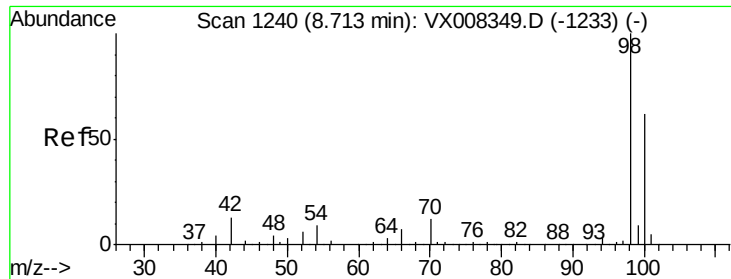


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

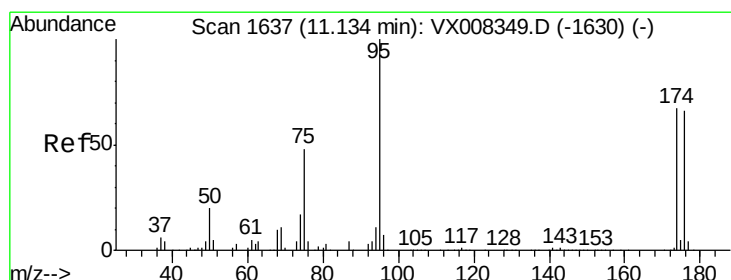
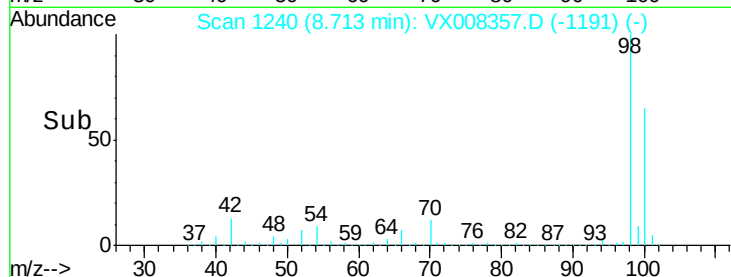
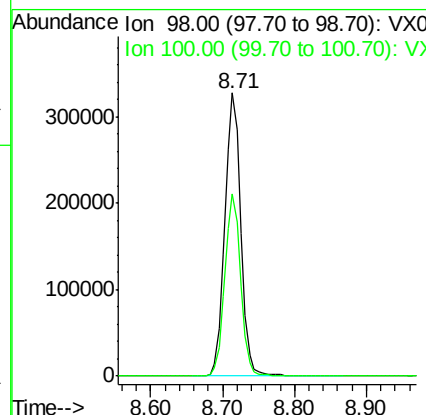
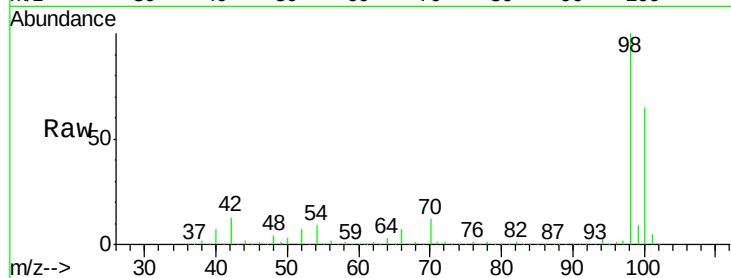




#50
Toluene-d8
Concen: 48.803 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008357.D
Acq: 23 Mar 2019 18:10

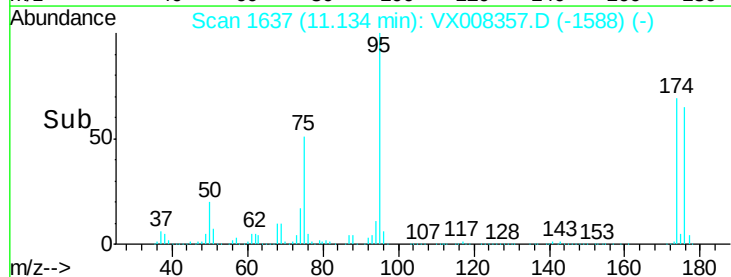
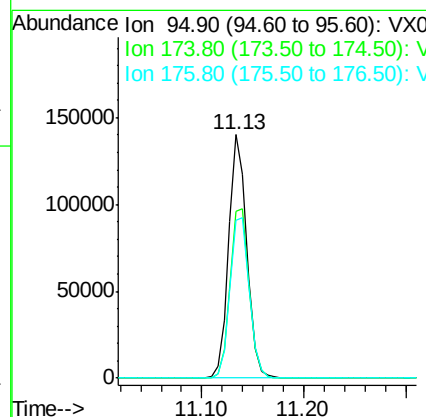
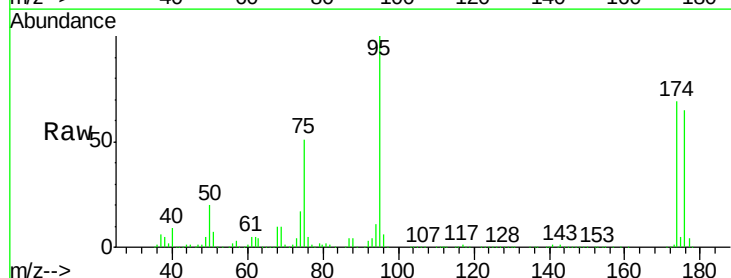
Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190313

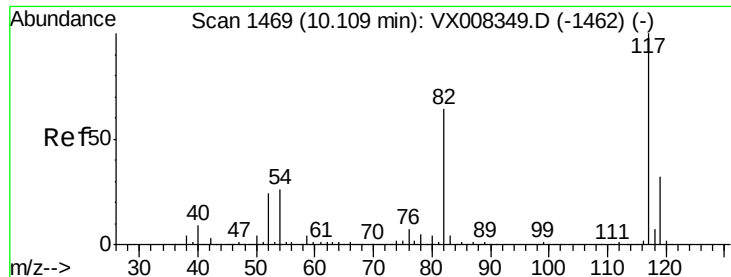
Tot Ion: 98 Resp: 505109
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.376 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008357.D
Acq: 23 Mar 2019 18:10

Tgt Ion: 95 Resp: 172437
Ion Ratio Lower Upper
95 100
174 73.3 0.0 182.8
176 70.4 0.0 178.0

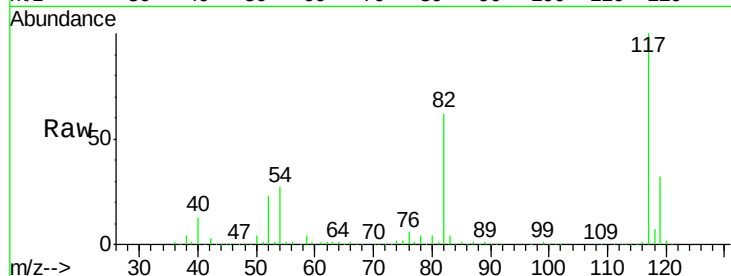




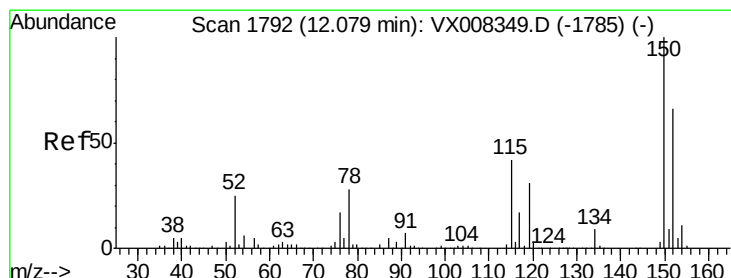
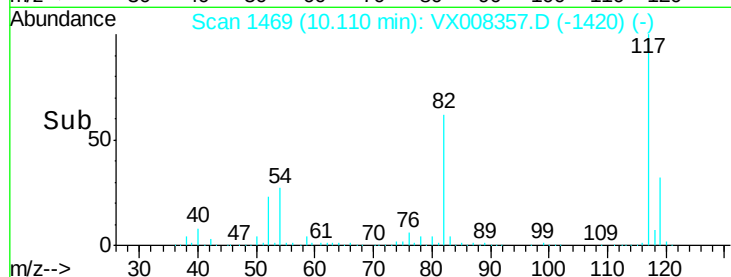
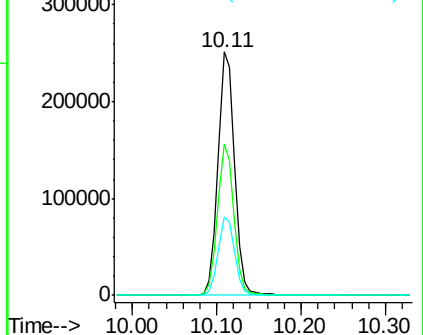
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008357.D
Acq: 23 Mar 2019 18:10

Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190313

Tot Ion:117 Resp: 345717
Ion Ratio Lower Upper
117 100
82 62.1 44.3 66.5
119 32.2 25.3 37.9

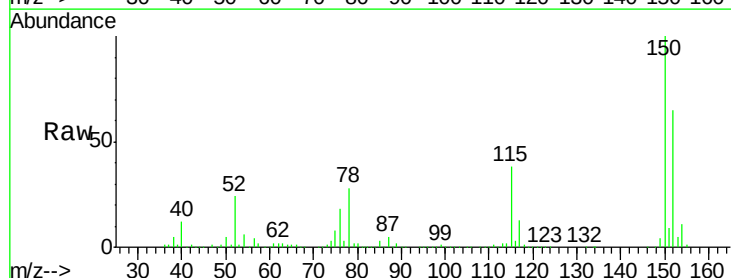


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

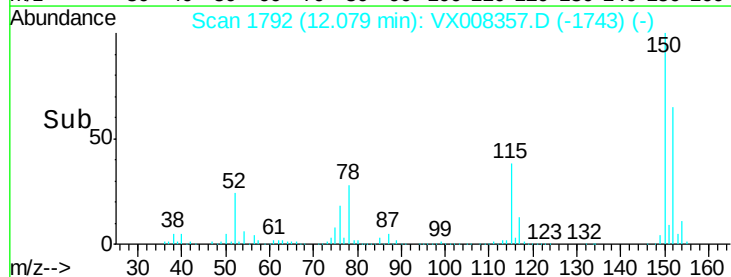
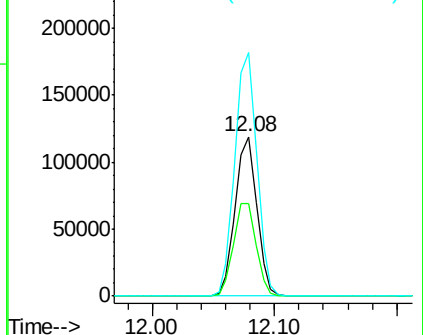


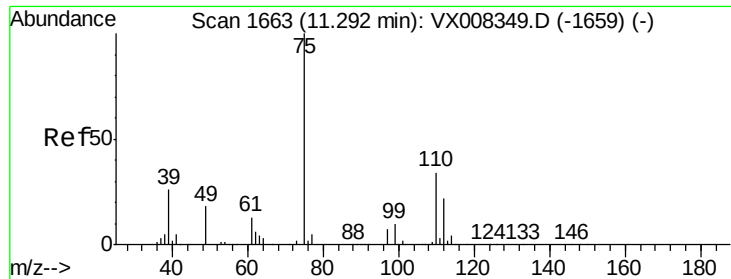
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008357.D
Acq: 23 Mar 2019 18:10

Tgt Ion:152 Resp: 145755
Ion Ratio Lower Upper
152 100
115 61.1 38.6 115.7
150 155.5 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

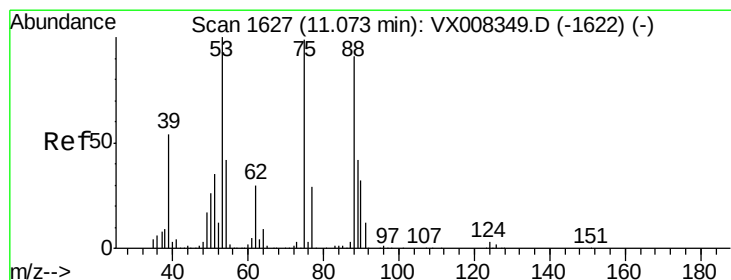
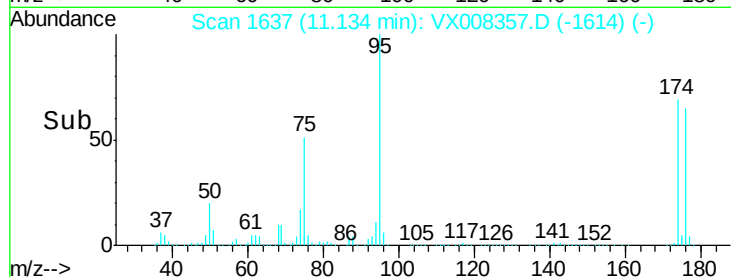
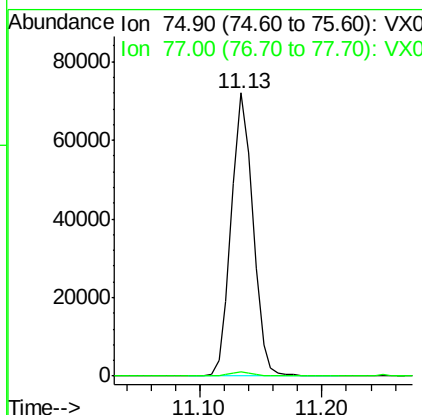
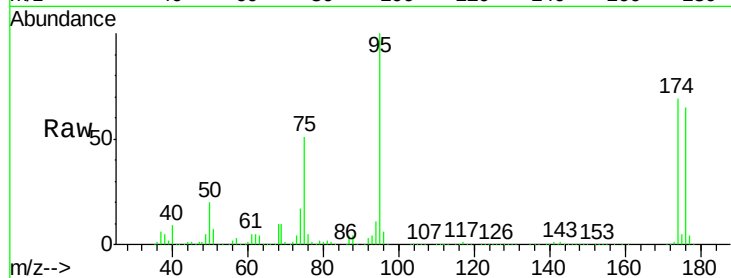




#76
 1,2,3-Trichloropropane
 Concen: 23.124 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190313

Tot Ion: 75 Resp: 88221
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.898 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008357.D
 Acq: 23 Mar 2019 18:10

Tgt Ion: 75 Resp: 88221
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.1 36.3 54.5#

