

Data File : VX000407.D

Acq On : 22 Mar 2018 15:39

Operator : JC/MD

Sample : J2005-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-2-031918

Quant Time: Mar 23 05:44:19 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	90714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	157403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	68631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	64773	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	5.51	113	50485	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	8.73	98	194832	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.15	95	62909	37.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.90%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	2652	2.52	ug/l	96
5) Bromomethane	1.66	94	372	0.33	ug/l #	56
6) Chloroethane	1.72	64	191	Below	Cal #	44
10) Methyl Iodide	2.53	142	252	4.48	ug/l #	63
13) Acrolein	2.44	56	50	14.94	ug/l #	54
16) Acetone	2.46	43	1965	1.99	ug/l #	82
19) Methyl tert-butyl Ether	3.22	73	936	0.26	ug/l #	65
29) Tetrahydrofuran	5.20	42	176	0.26	ug/l #	31
31) Cyclohexane	5.67	56	2253	1.51	ug/l #	65
36) 1,1-Dichloropropene	5.67	75	7222	4.90	ug/l #	50
38) Carbon Tetrachloride	5.67	117	8731	5.64	ug/l #	14
60) Dibromochloromethane	9.35	129	807	4.63	ug/l #	12
64) Tetrachloroethene	9.34	164	658	0.57	ug/l #	70
76) 1,2,3-Trichloropropane	11.15	75	36725	24.90	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	36725	80.61	ug/l #	9

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

Data File : VX000407.D

Acq On : 22 Mar 2018 15:39

Operator : JC/MD

Sample : J2005-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

Client Sample ID :

BR-2-031918

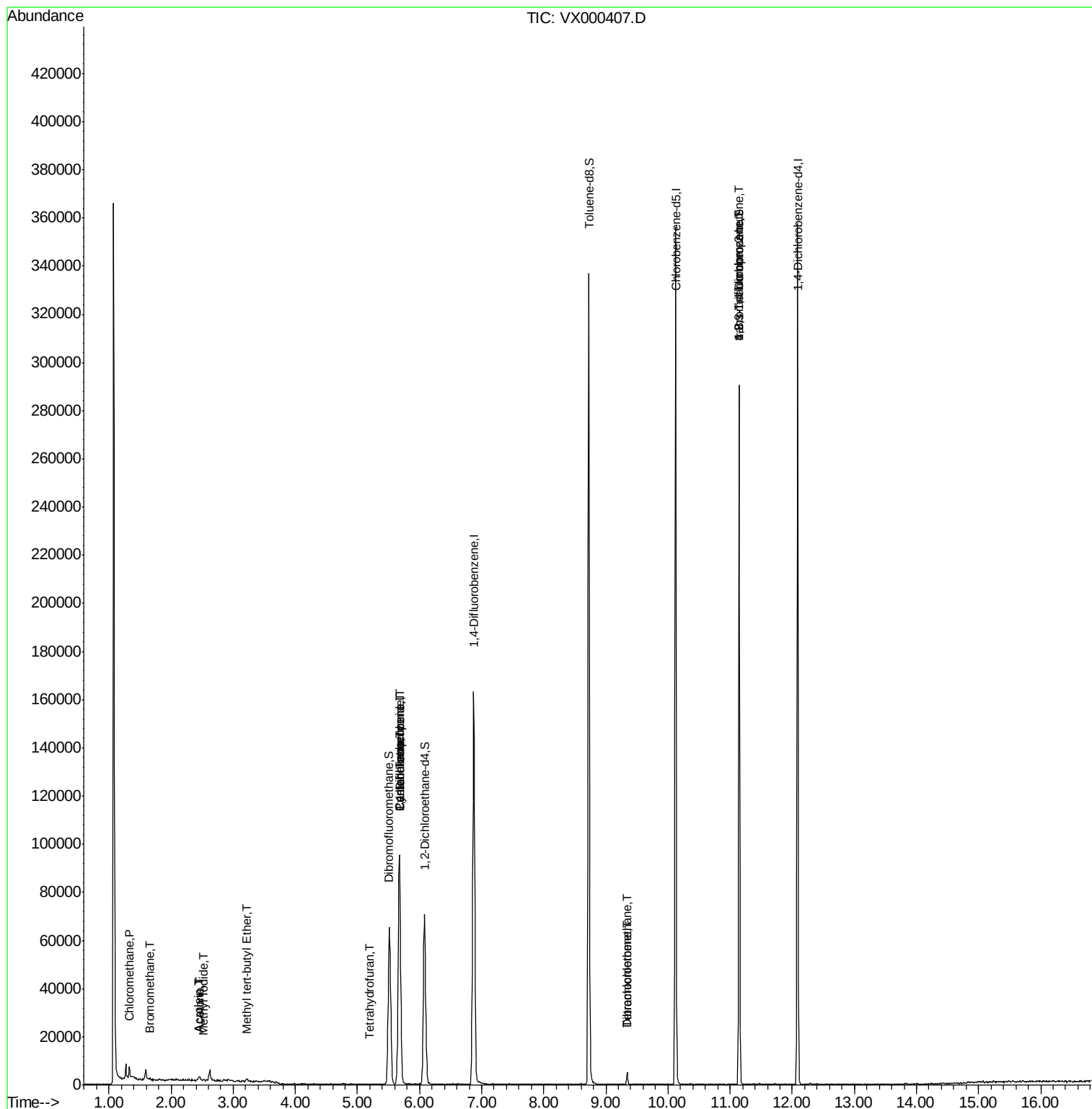
Quant Time: Mar 23 05:44:19 2018

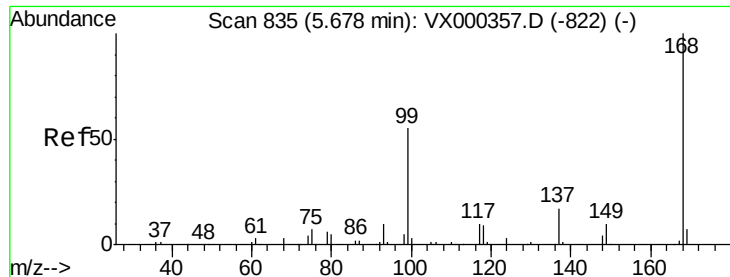
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

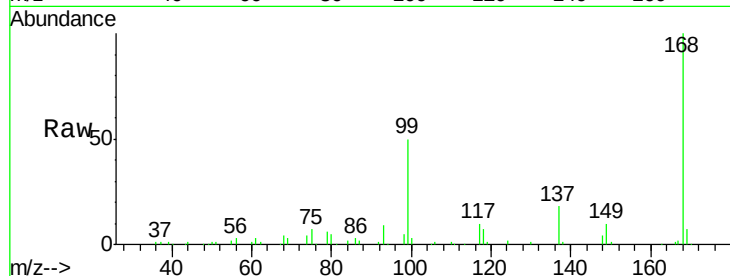
BR-2-031918

Tgt Ion:168 Resp: 90714

Ion Ratio Lower Upper

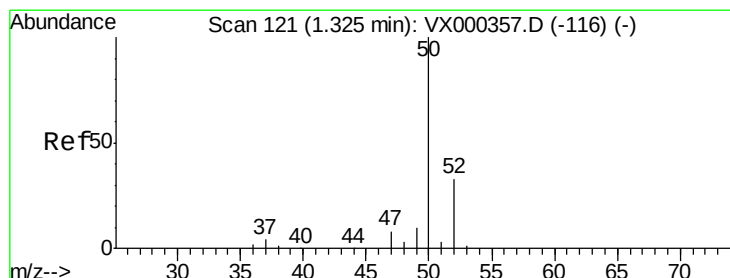
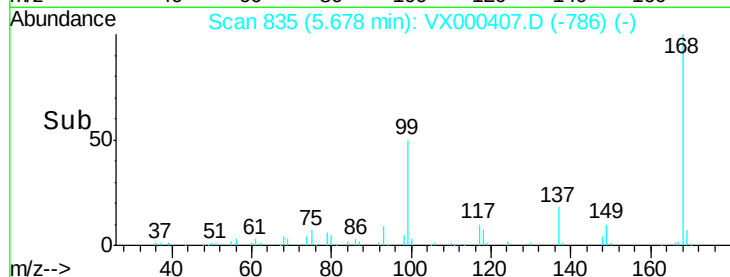
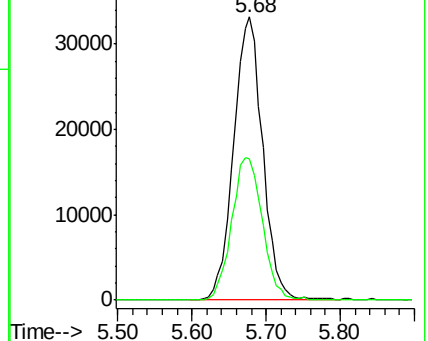
168 100

99 49.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.52 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000407.D

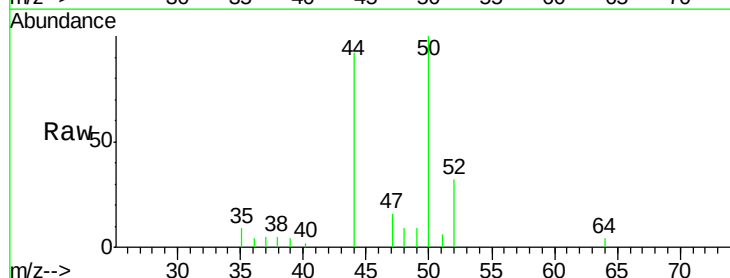
Acq: 22 Mar 2018 15:39

Tgt Ion: 50 Resp: 2652

Ion Ratio Lower Upper

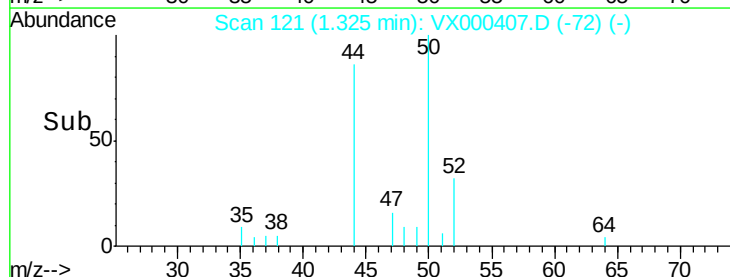
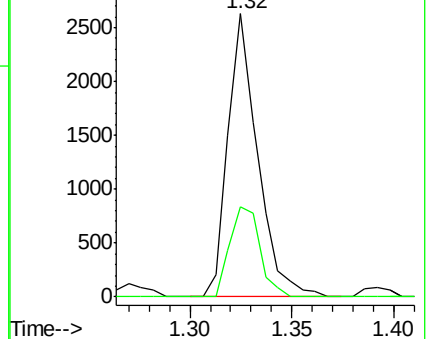
50 100

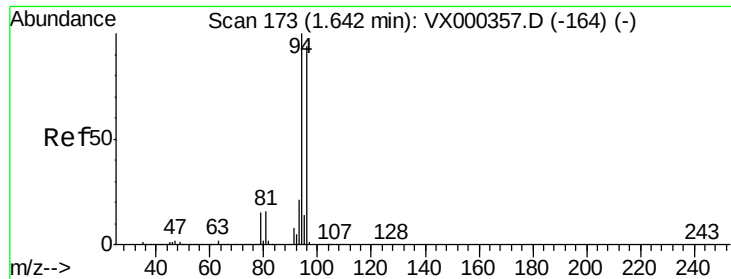
52 32.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.33 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

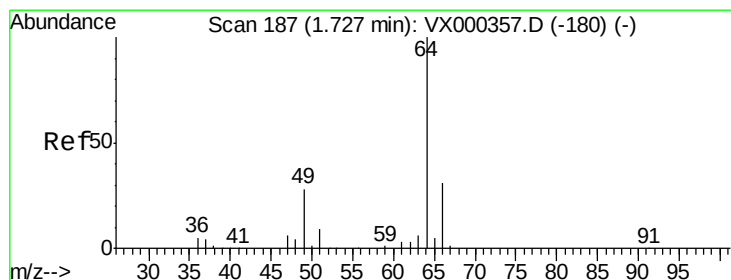
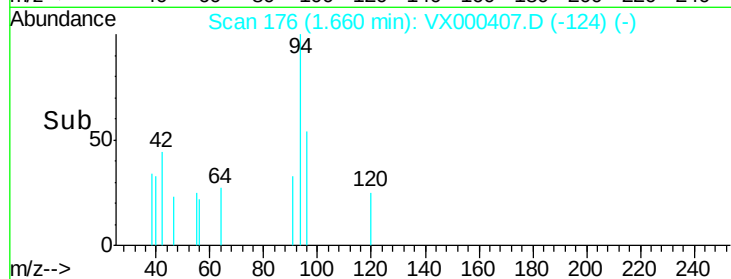
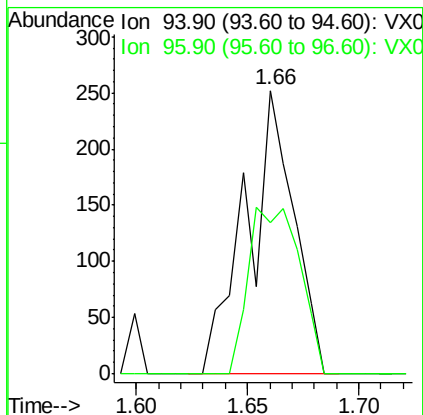
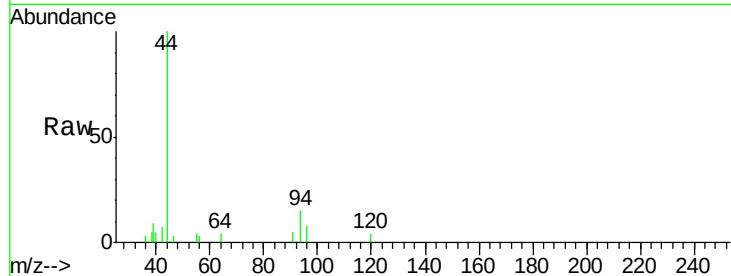
BR-2-031918

Tgt Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 53.6 77.7 116.5#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000407.D

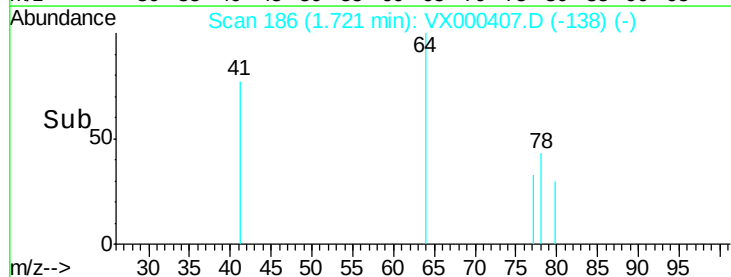
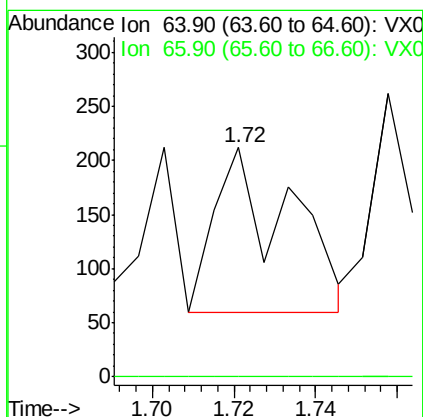
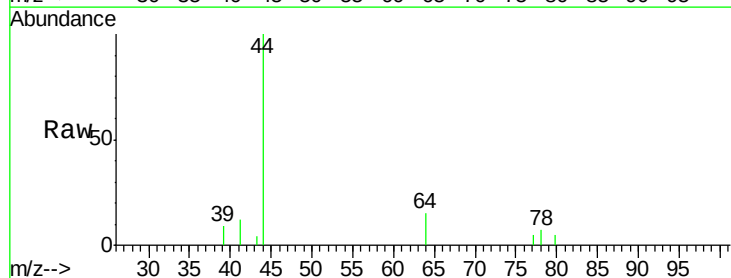
Acq: 22 Mar 2018 15:39

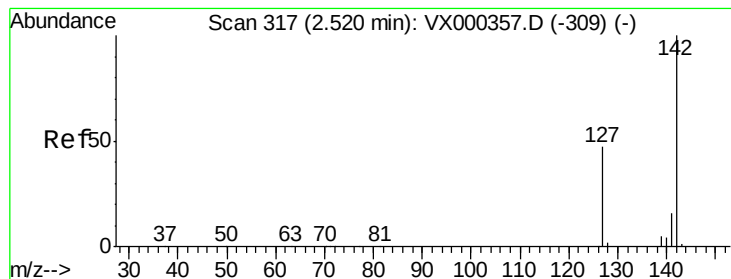
Tgt Ion: 64 Resp: 191

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#

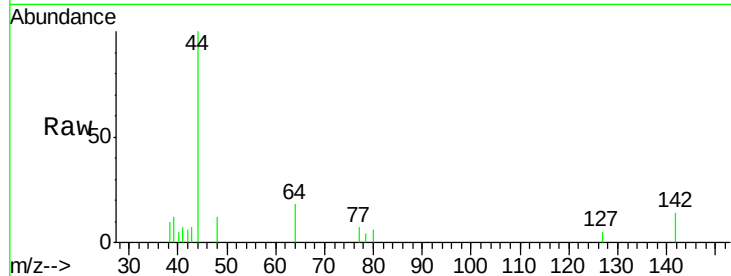




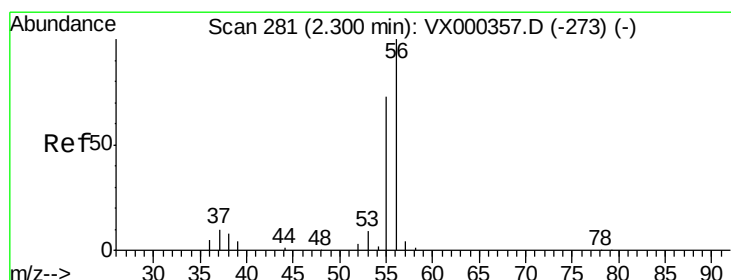
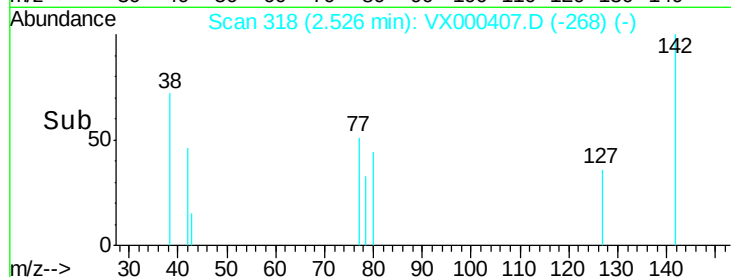
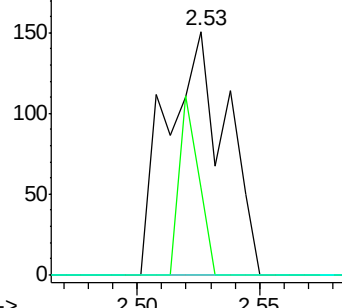
#10
Methyl Iodide
Concen: 4.48 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

Instrument :
MSVOA_X
ClientSampled :
BR-2-031918

Tgt Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 23.8 39.2 58.8#
141 0.0 11.7 17.5#

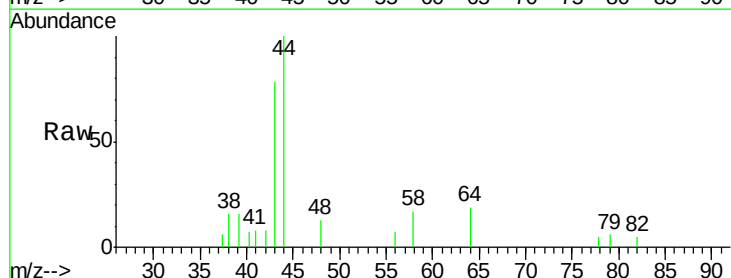


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

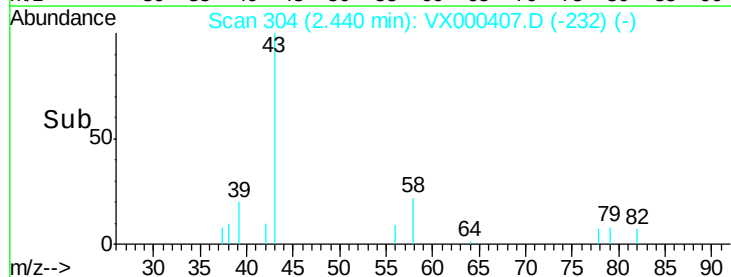
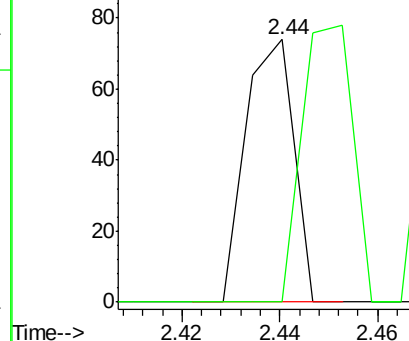


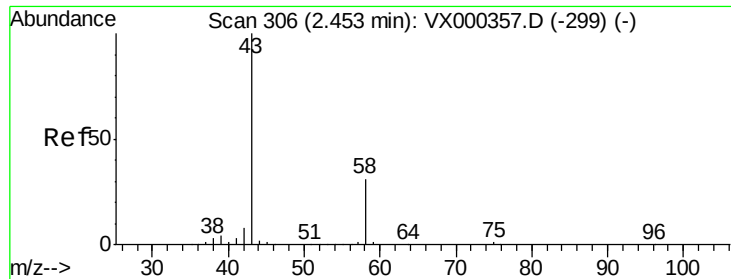
#13
Acrolein
Concen: 14.94 ug/l
RT: 2.44 min Scan# 304
Delta R.T. 0.14 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 112.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.99 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

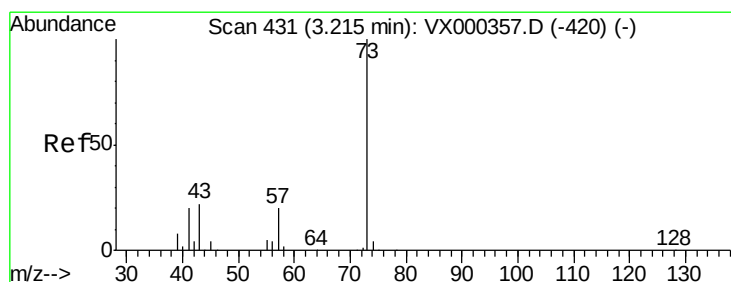
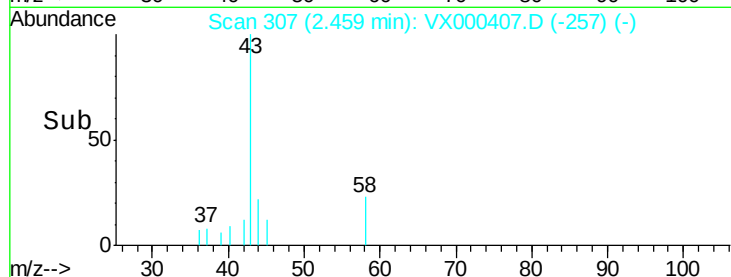
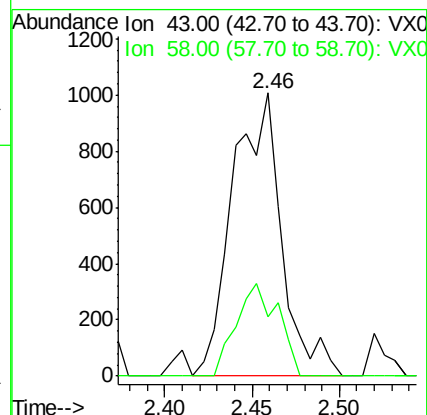
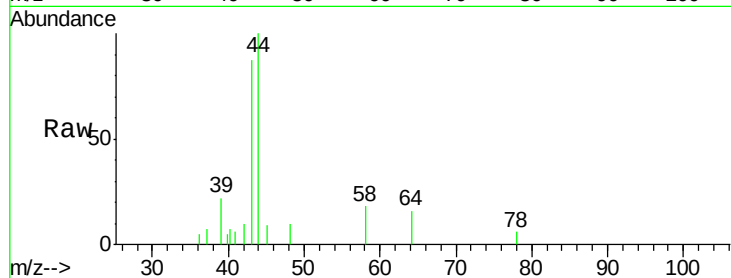
BR-2-031918

Tgt Ion: 43 Resp: 1965

Ion Ratio Lower Upper

43 100

58 21.0 24.7 37.1#



#19

Methyl tert-butyl Ether

Concen: 0.26 ug/l

RT: 3.22 min Scan# 432

Delta R.T. 0.01 min

Lab File: VX000407.D

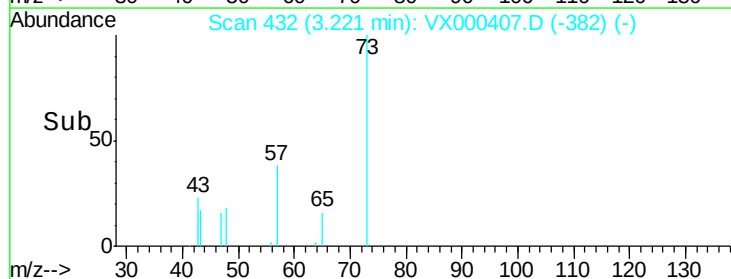
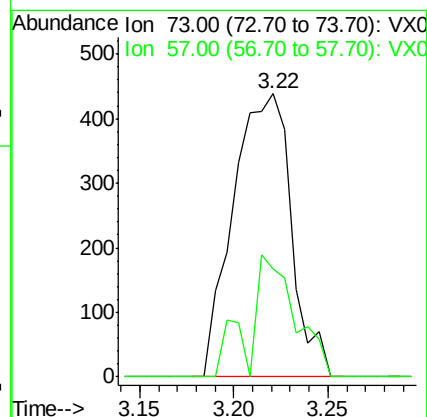
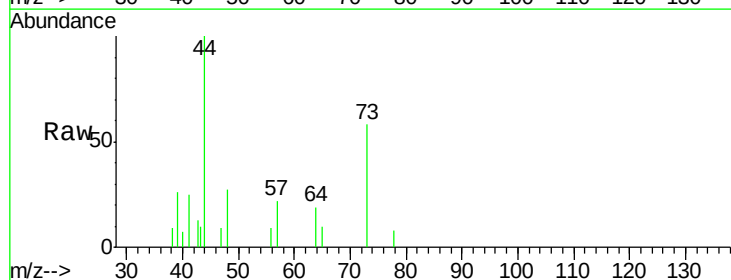
Acq: 22 Mar 2018 15:39

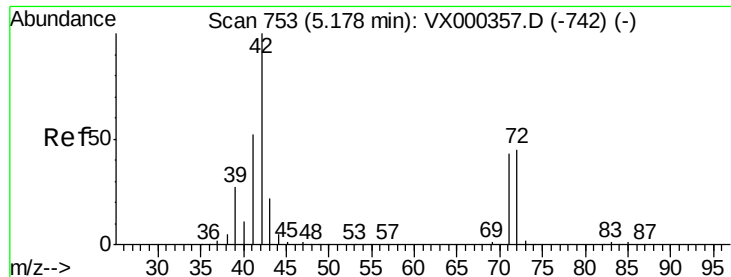
Tgt Ion: 73 Resp: 936

Ion Ratio Lower Upper

73 100

57 38.1 17.2 25.8#

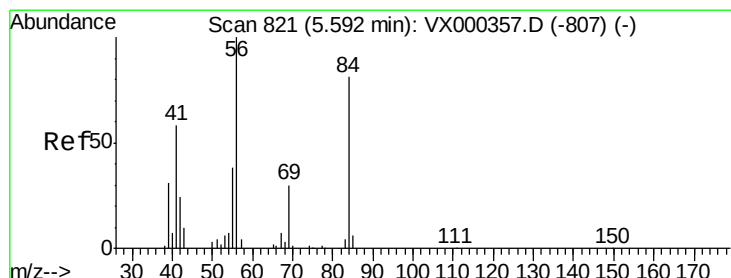
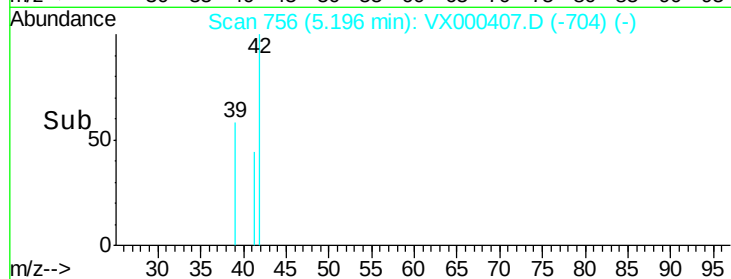
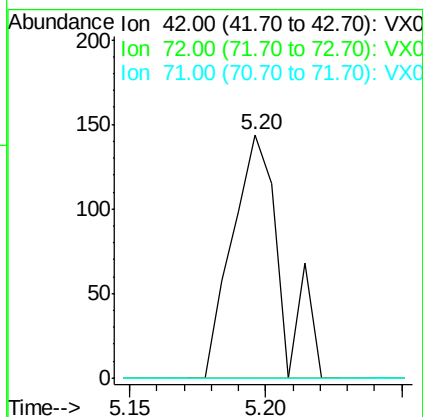
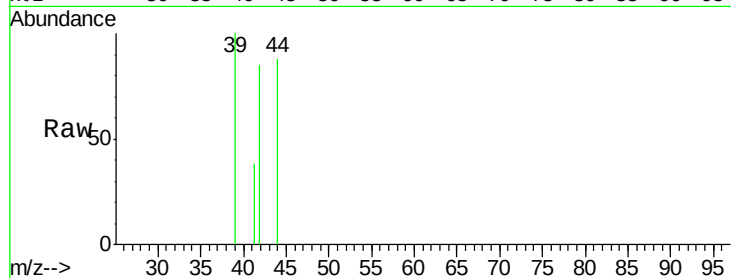




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

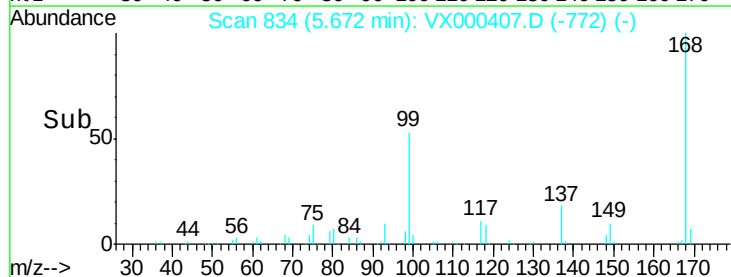
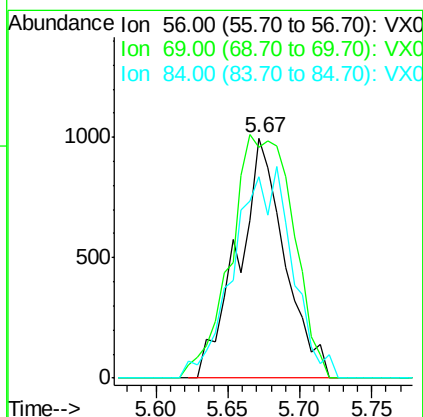
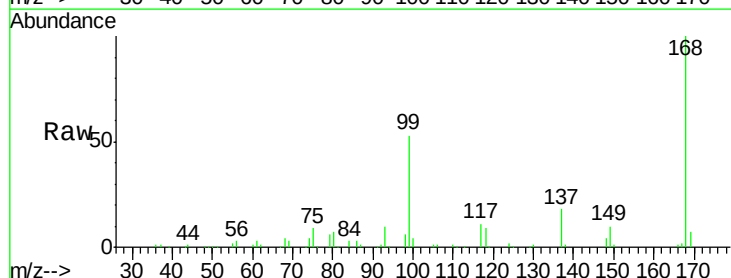
Instrument :
MSVOA_X
ClientSampleId :
BR-2-031918

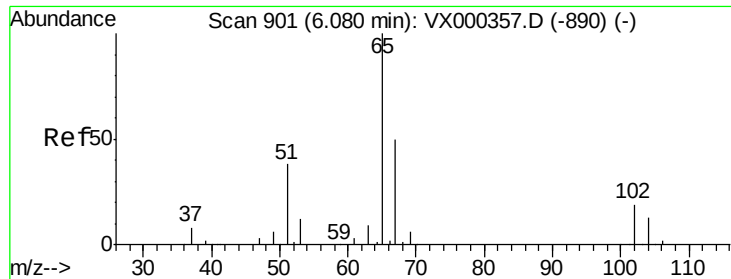
Tgt Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

Tgt Ion: 56 Resp: 2253
Ion Ratio Lower Upper
56 100
69 95.9 23.4 35.0#
84 83.6 71.0 106.4

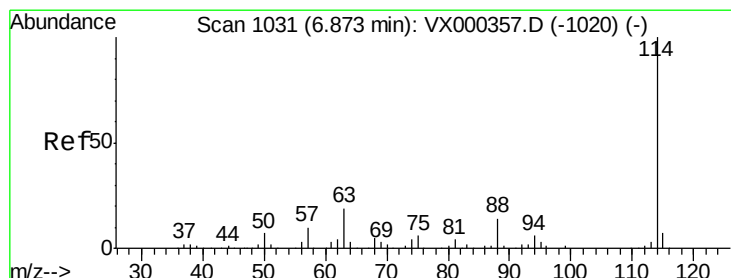
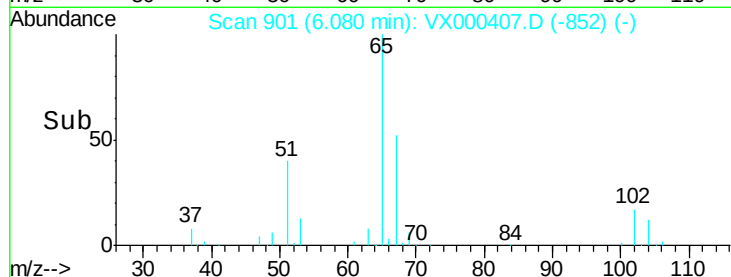
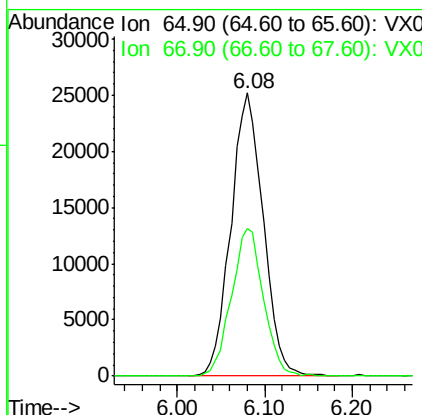
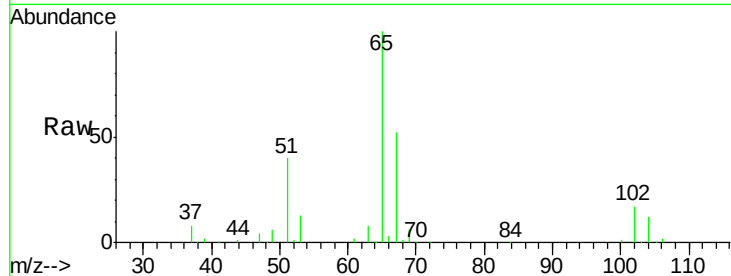




#33
 1,2-Dichloroethane-d4
 Concen: 54.70 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000407.D
 Acq: 22 Mar 2018 15:39

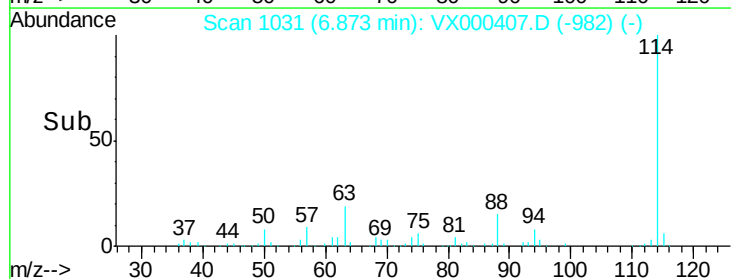
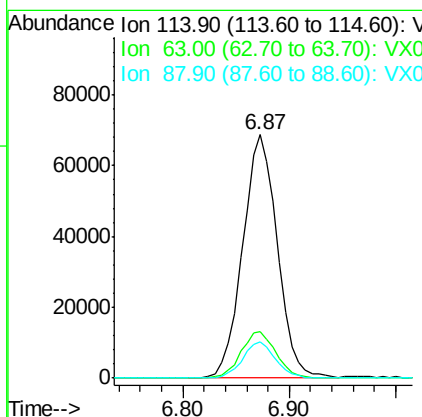
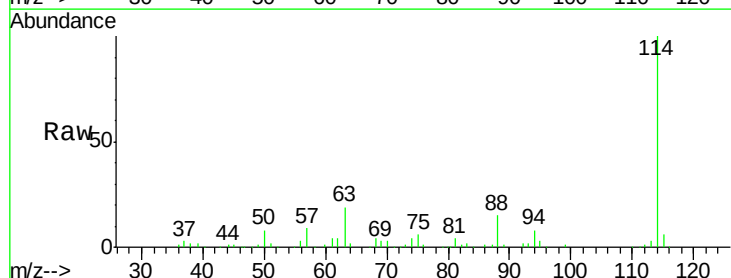
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-2-031918

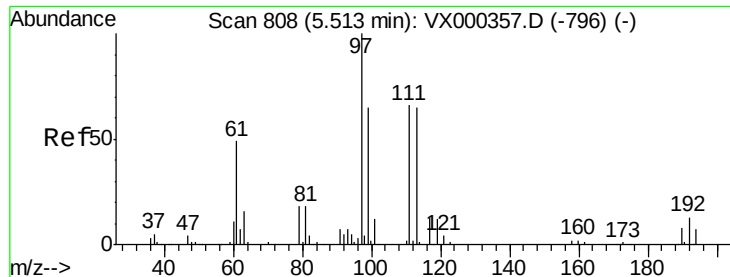
Tgt Ion: 65 Resp: 64773
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000407.D
 Acq: 22 Mar 2018 15:39

Tgt Ion: 114 Resp: 157403
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 14.8 0.0 27.0

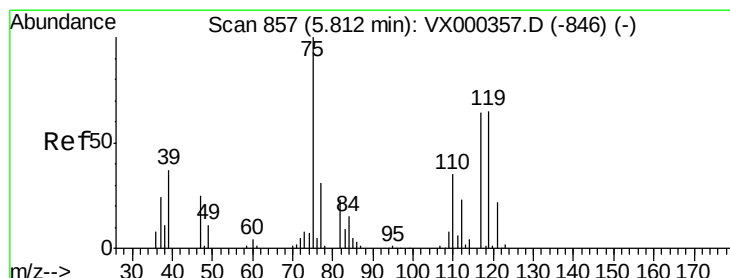
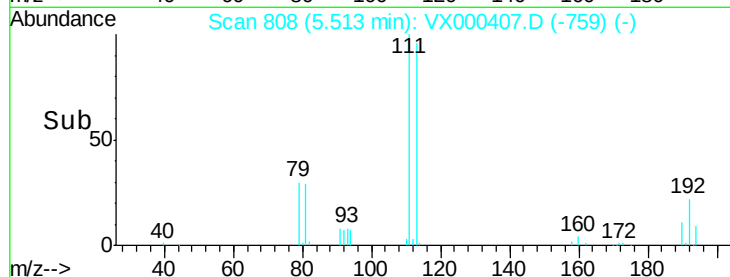
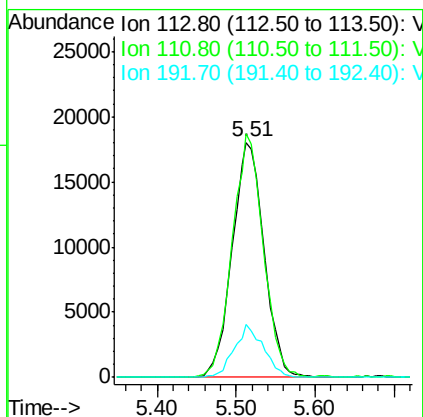
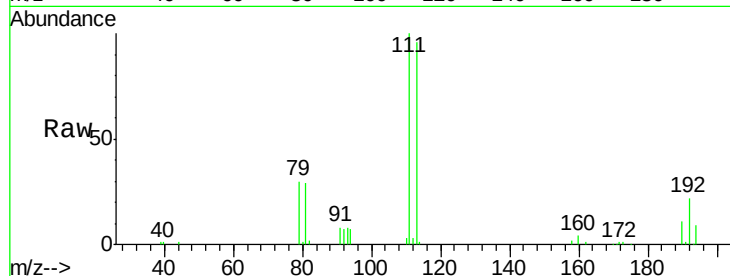




#35
 Dibromofluoromethane
 Concen: 50.90 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000407.D
 Acq: 22 Mar 2018 15:39

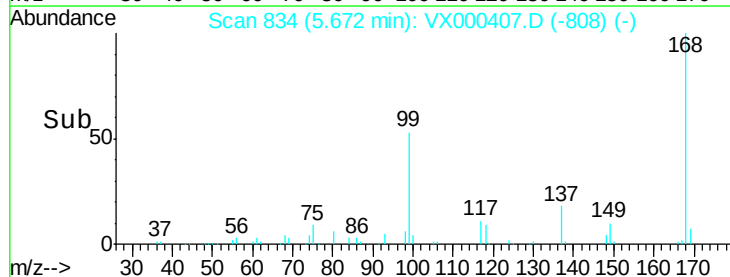
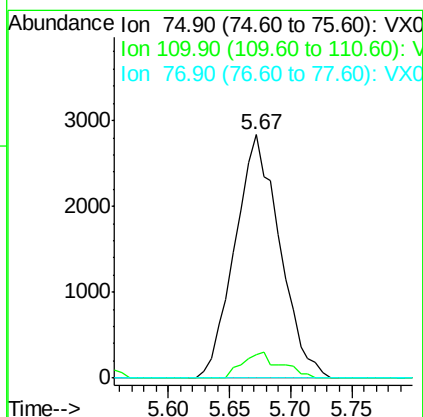
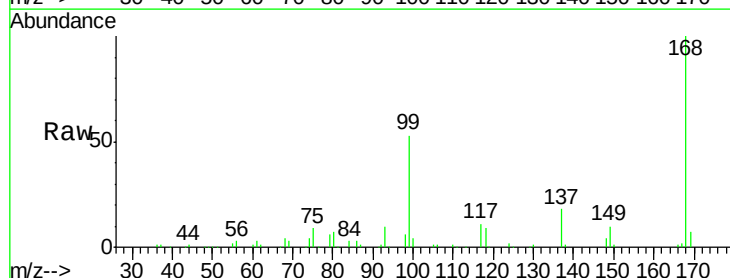
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-2-031918

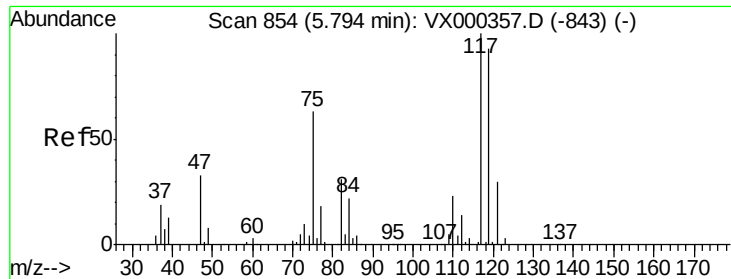
Tgt Ion:113 Resp: 50485
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.4 123.6
 192 20.5 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.90 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000407.D
 Acq: 22 Mar 2018 15:39

Tgt Ion: 75 Resp: 7222
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.9 53.7#
 77 0.0 24.0 36.0#

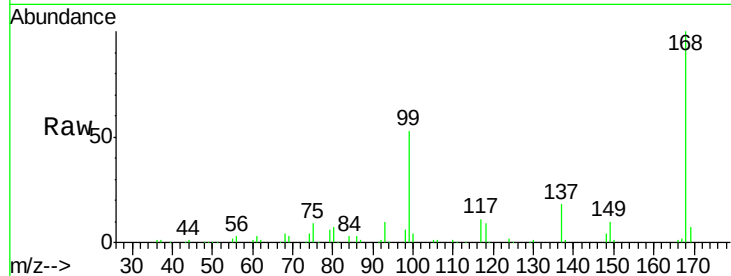




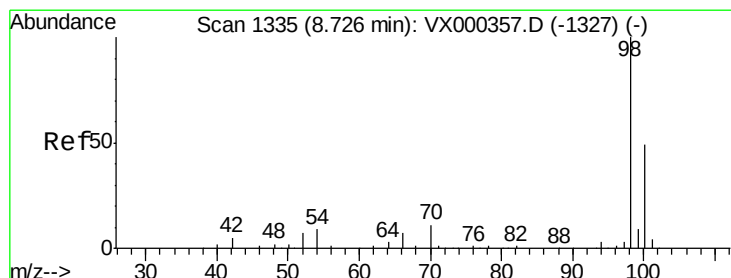
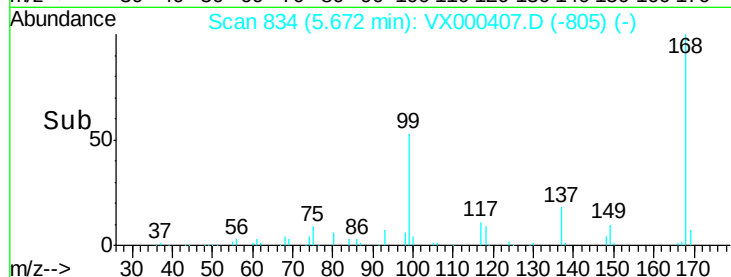
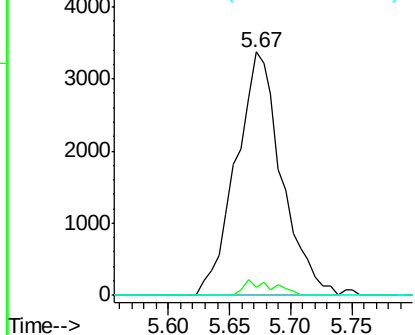
#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
BR-2-031918

Tgt Ion:117 Resp: 8731
Ion Ratio Lower Upper
117 100
119 3.4 77.4 116.2#
121 0.0 24.8 37.2#

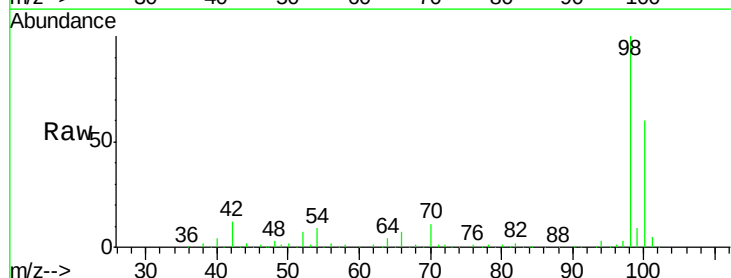


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

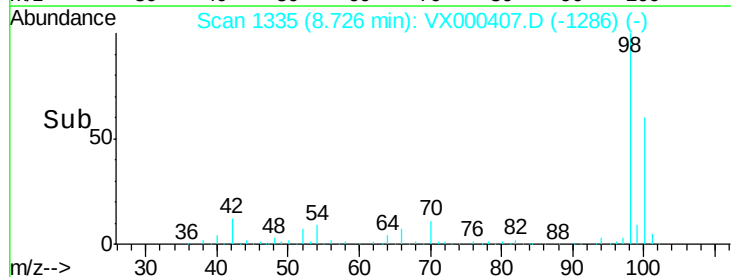
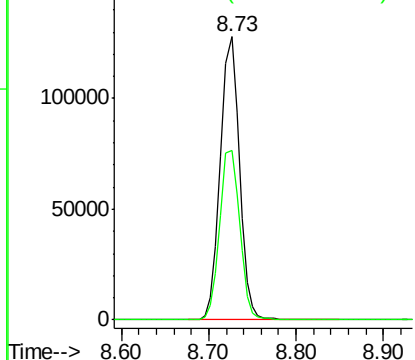


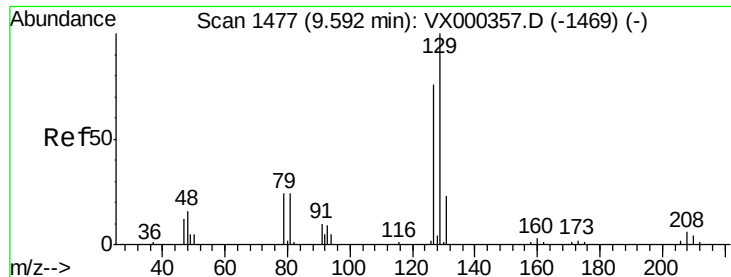
#50
Toluene-d8
Concen: 47.43 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000407.D
Acq: 22 Mar 2018 15:39

Tgt Ion: 98 Resp: 194832
Ion Ratio Lower Upper
98 100
100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 4.63 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

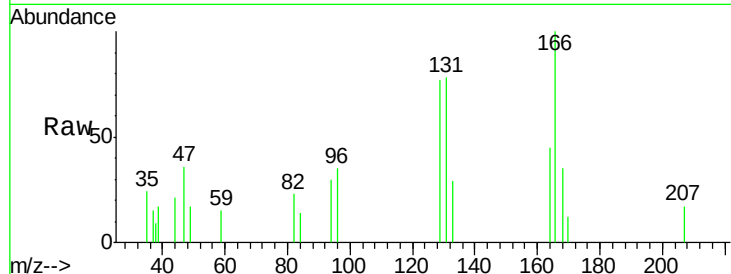
BR-2-031918

Tgt Ion:129 Resp: 807

Ion Ratio Lower Upper

129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.35

600

500

400

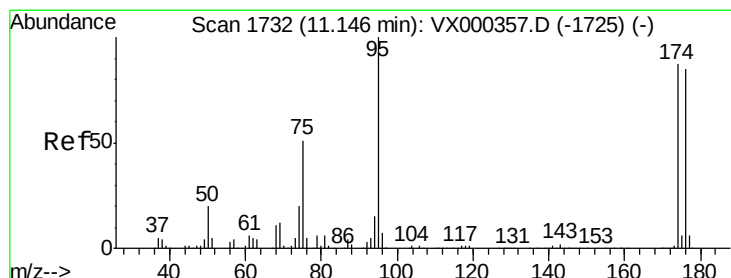
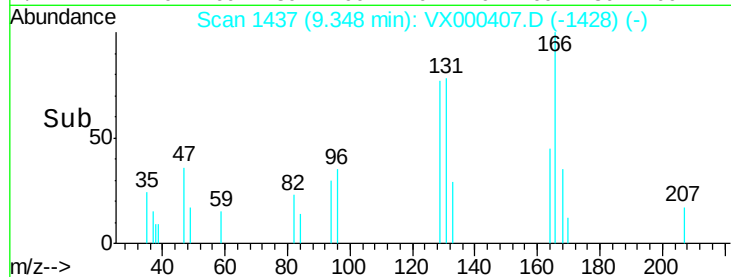
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.95 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

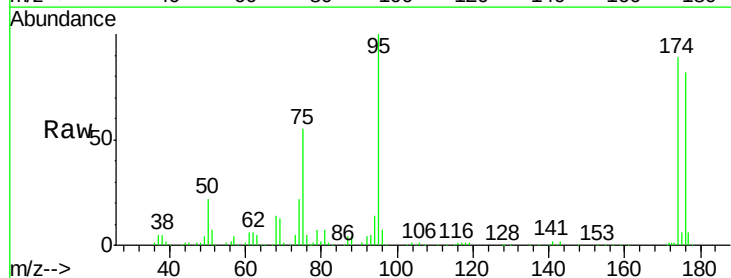
Tgt Ion: 95 Resp: 62909

Ion Ratio Lower Upper

95 100

174 90.8 0.0 173.6

176 87.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

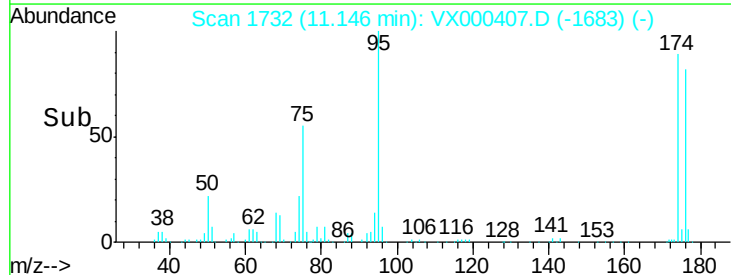
60000

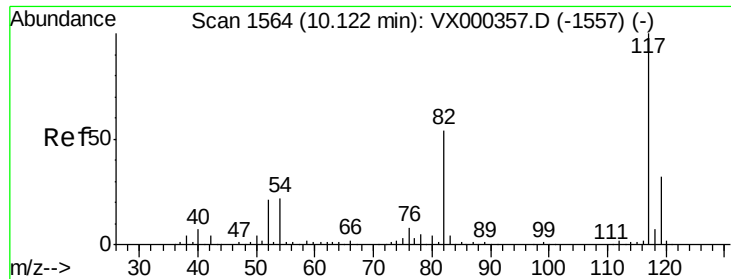
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

BR-2-031918

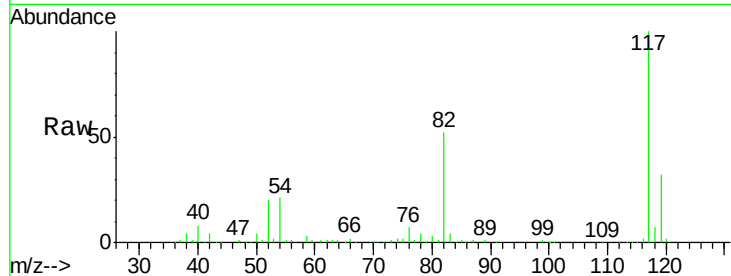
Tgt Ion:117 Resp: 148706

Ion Ratio Lower Upper

117 100

82 52.5 43.8 65.8

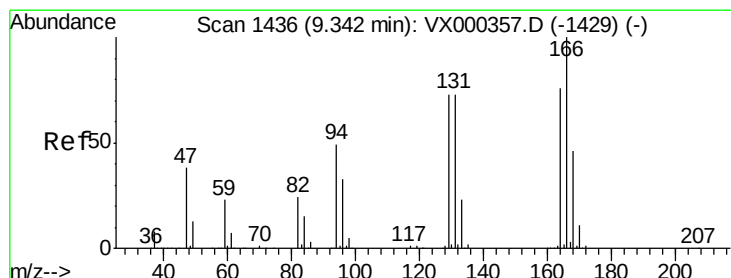
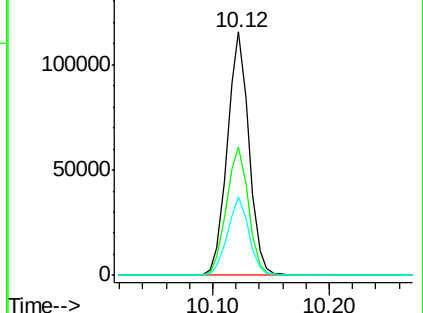
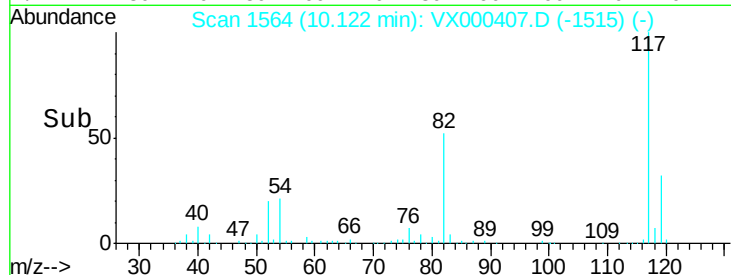
119 32.1 24.9 37.3



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



#64

Tetrachloroethene

Concen: 0.57 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Tgt Ion:164 Resp: 658

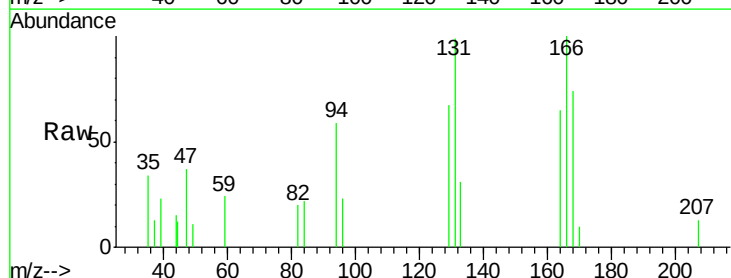
Ion Ratio Lower Upper

164 100

166 153.3 101.0 151.6#

129 103.3 79.0 118.4

131 151.7 71.9 107.9#

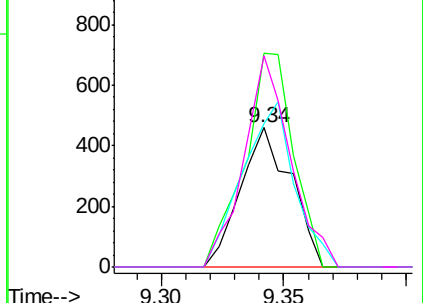
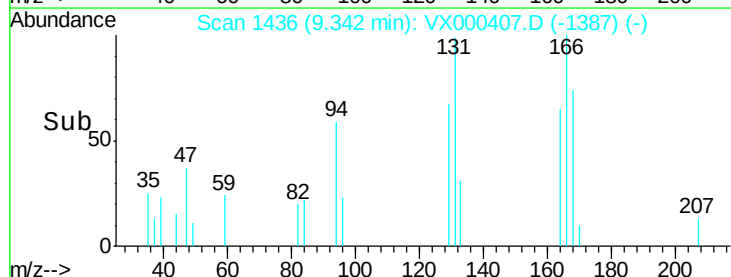


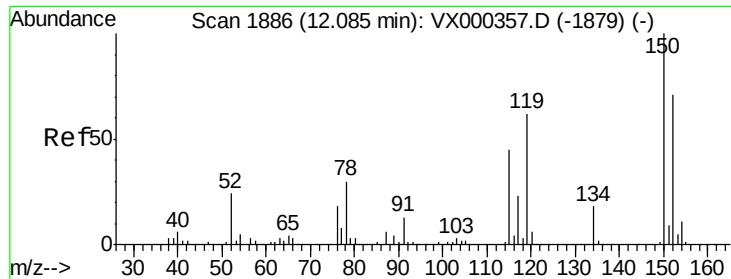
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

BR-2-031918

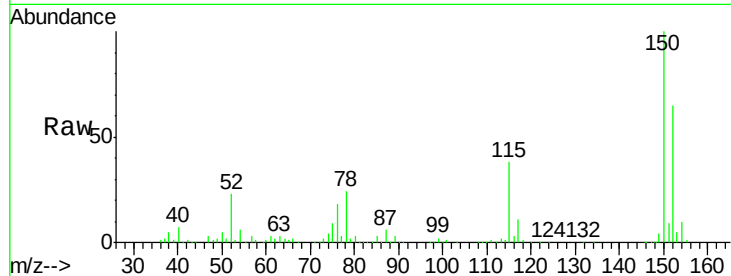
Tgt Ion:152 Resp: 68631

Ion Ratio Lower Upper

152 100

115 57.0 39.8 119.3

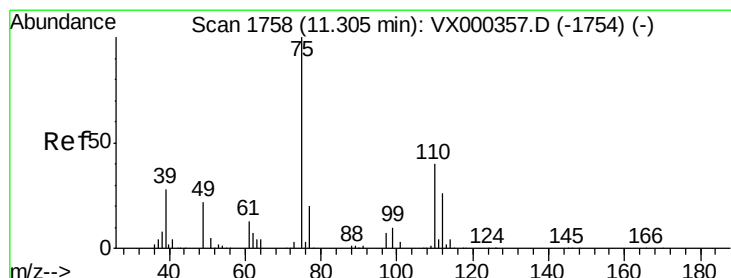
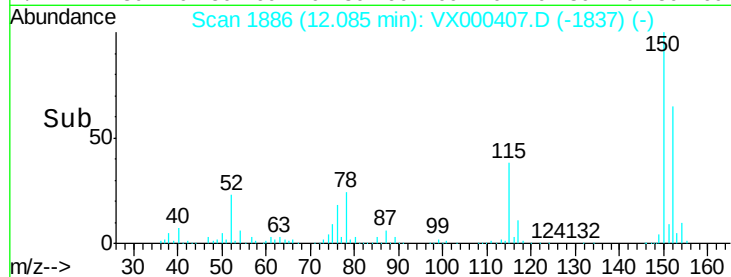
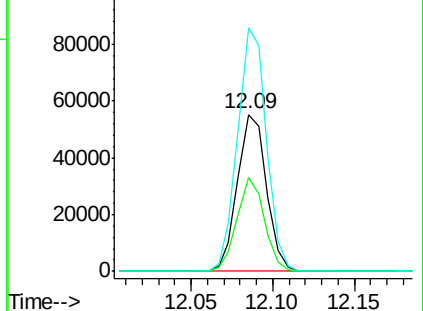
150 154.6 0.0 344.4



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: 24.90 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000407.D

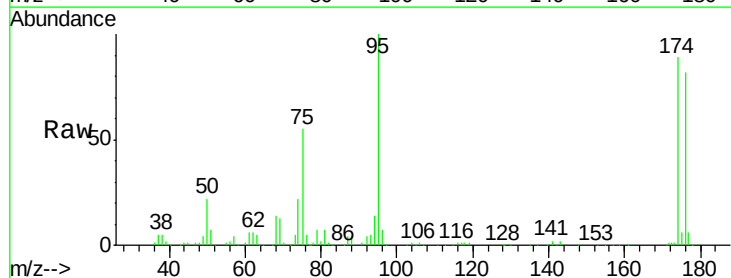
Acq: 22 Mar 2018 15:39

Tgt Ion: 75 Resp: 36725

Ion Ratio Lower Upper

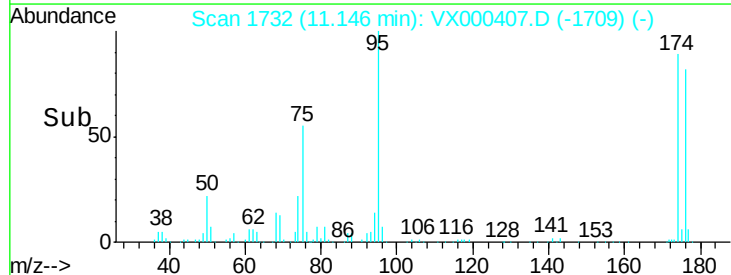
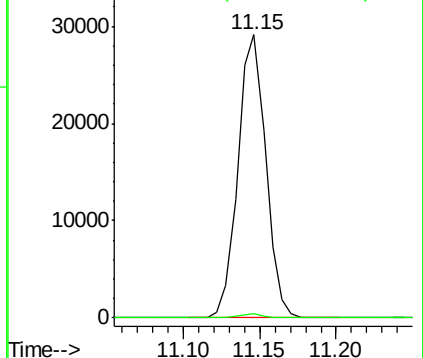
75 100

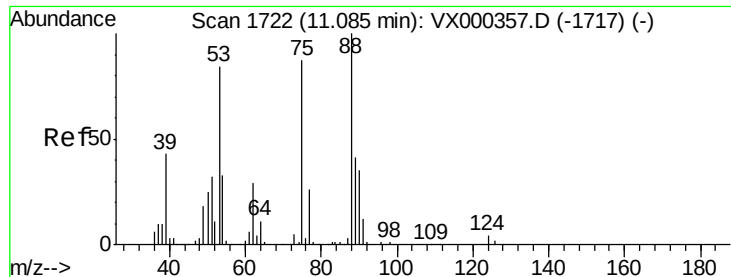
77 1.2 21.4 64.2#



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: 80.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000407.D

Acq: 22 Mar 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

BR-2-031918

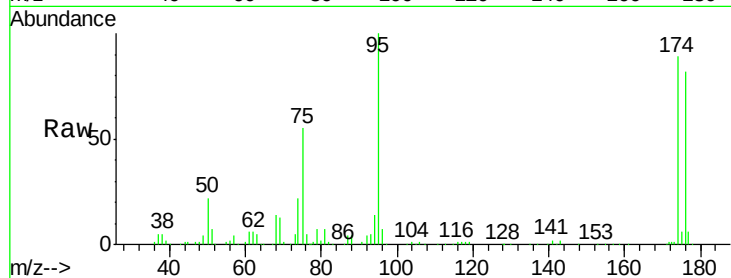
Tgt Ion: 75 Resp: 36725

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

