

Data File : VX000417.D

Acq On : 22 Mar 2018 19:53

Operator : JC/MD

Sample : J2005-12

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-3-031918

Quant Time: Mar 23 05:47:19 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	87328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	151801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	61463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	63065	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
35) Dibromofluoromethane	5.51	113	49970	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	8.73	98	188125	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	11.15	95	56877	35.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.92%	

Target Compounds

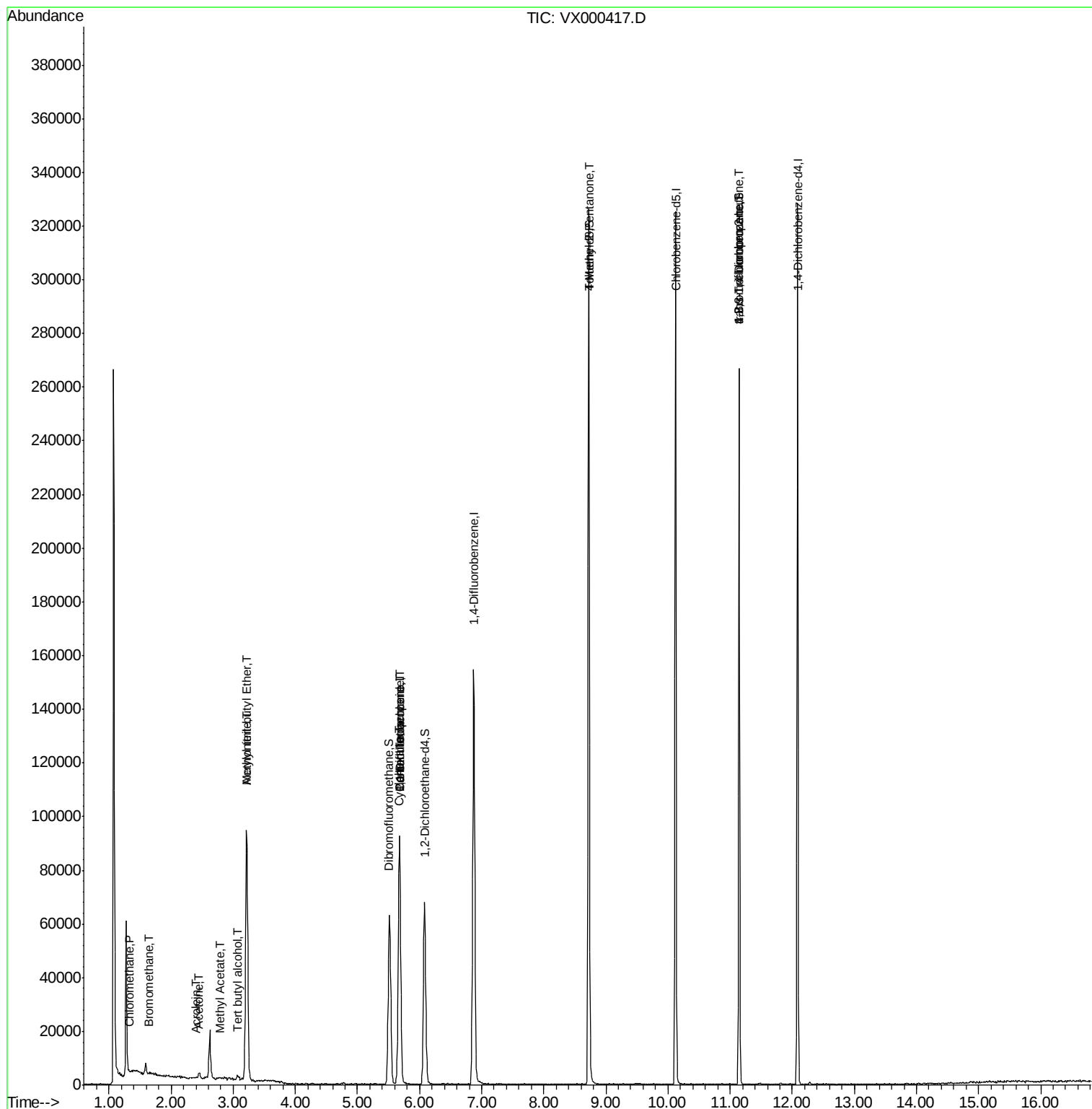
						Qvalue
3) Chloromethane	1.33	50	440	0.43	ug/l #	77
5) Bromomethane	1.65	94	198	0.20	ug/l #	1
6) Chloroethane	1.73	64	121	Below	Cal #	47
11) Tert butyl alcohol	3.07	59	1831	4.67	ug/l #	72
13) Acrolein	2.39	56	27	14.78	ug/l #	1
14) Allyl chloride	2.73	41	101	Below	Cal #	26
15) Acrylonitrile	3.21	53	1397	1.76	ug/l #	36
16) Acetone	2.45	43	2199	2.32	ug/l #	77
18) Methyl Acetate	2.78	43	1000	0.50	ug/l #	56
19) Methyl tert-butyl Ether	3.21	73	106649	30.46	ug/l	95
31) Cyclohexane	5.67	56	988	0.69	ug/l #	32
36) 1,1-Dichloropropene	5.68	75	6676	4.69	ug/l #	52
38) Carbon Tetrachloride	5.68	117	8591	5.76	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	1115	0.50	ug/l #	1
74) N-amyl acetate	6.49	43	21	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	34286	25.96	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	34286	84.04	ug/l #	9

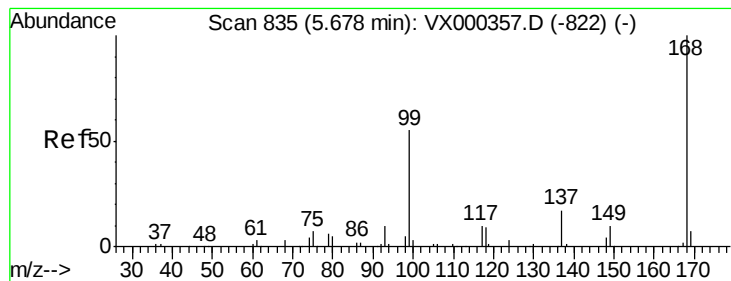
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

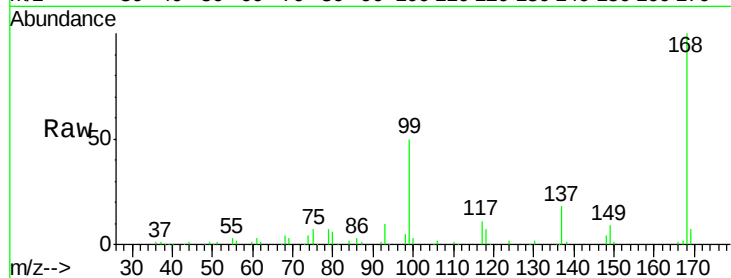
BR-3-031918

Tgt Ion:168 Resp: 87328

Ion Ratio Lower Upper

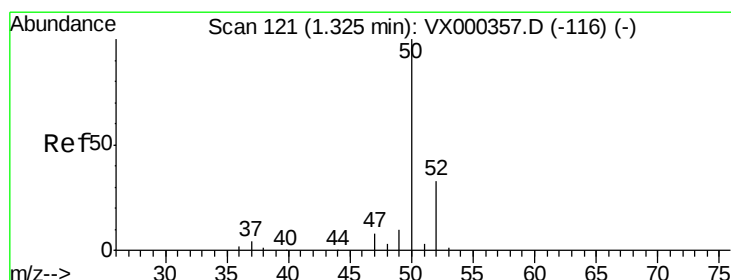
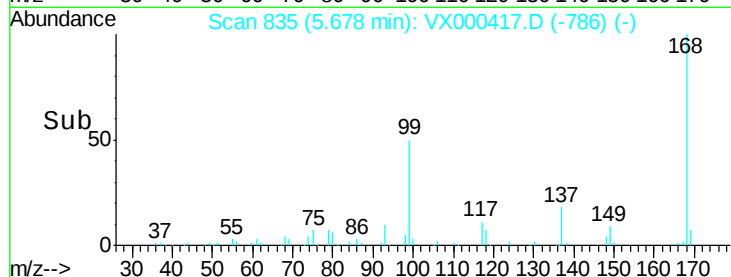
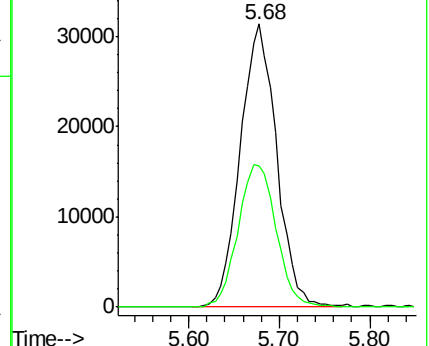
168 100

99 49.8 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: 0.43 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX000417.D

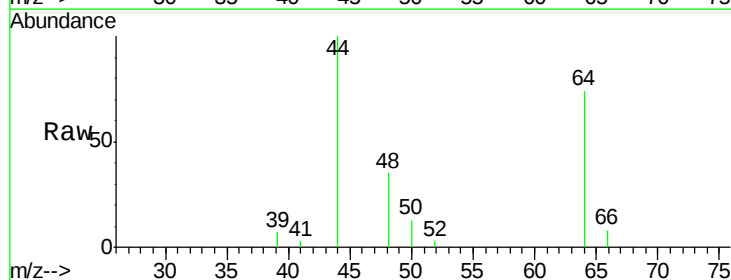
Acq: 22 Mar 2018 19:53

Tgt Ion: 50 Resp: 440

Ion Ratio Lower Upper

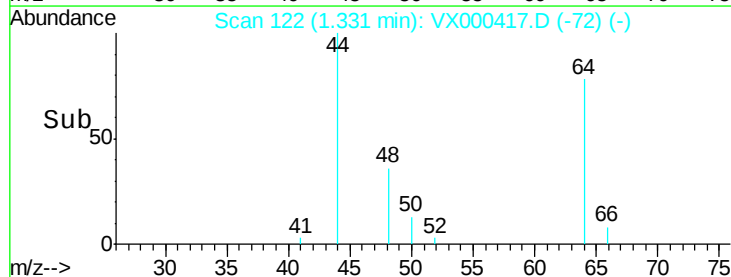
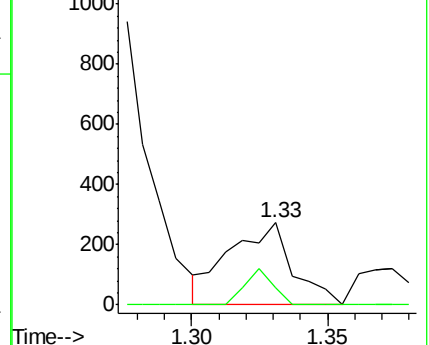
50 100

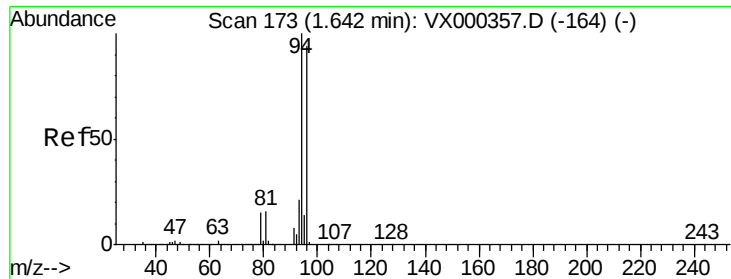
52 20.9 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

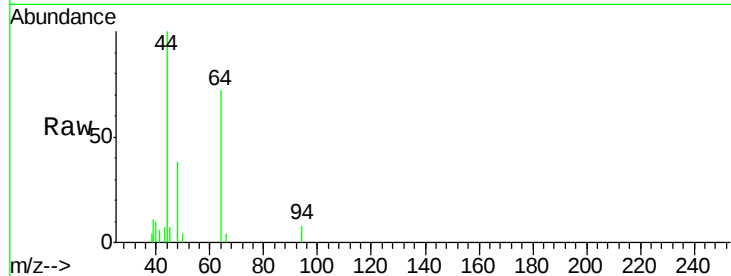
BR-3-031918

Tgt Ion: 94 Resp: 198

Ion Ratio Lower Upper

94 100

96 0.0 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

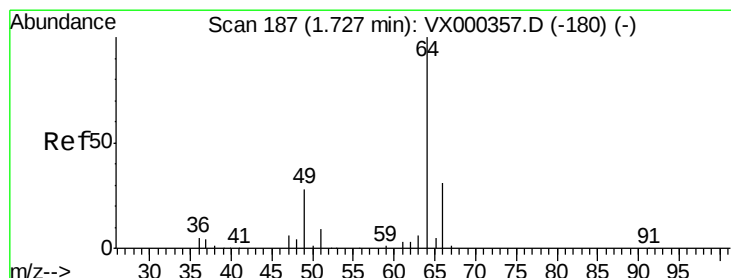
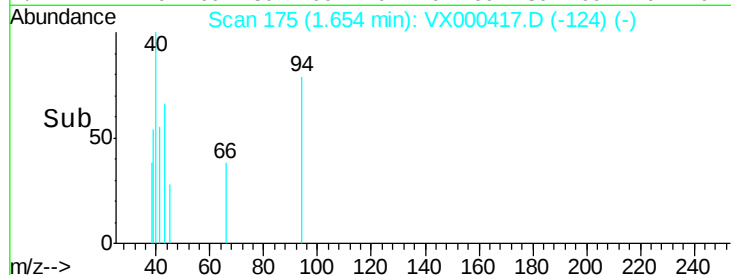
1.65

100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000417.D

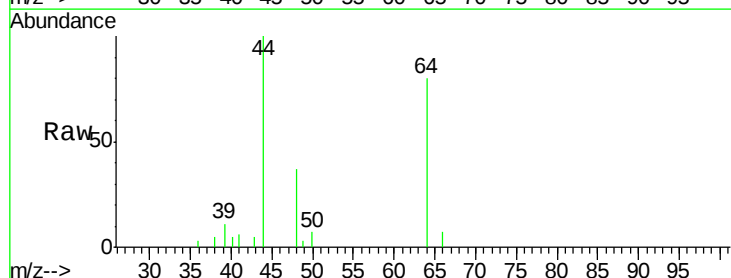
Acq: 22 Mar 2018 19:53

Tgt Ion: 64 Resp: 121

Ion Ratio Lower Upper

64 100

66 2.1 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

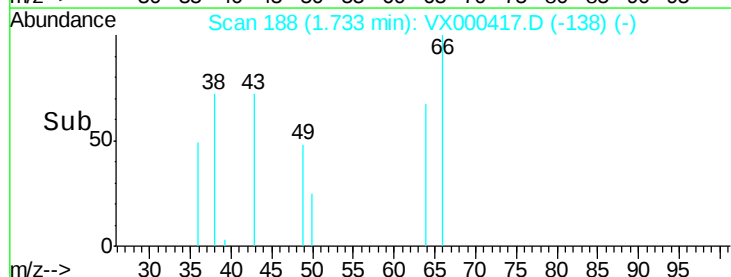
1500

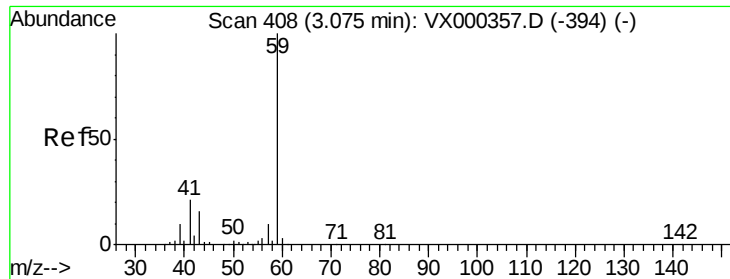
1000

500

0

Time--> 1.73 1.73 1.74 1.74

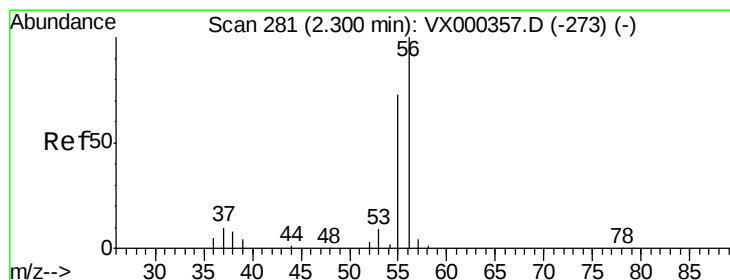
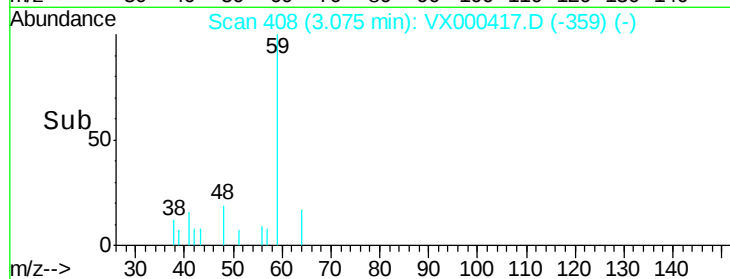
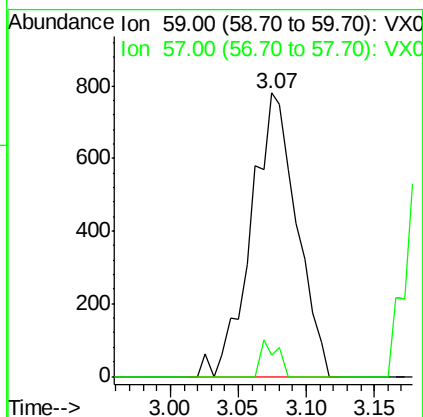
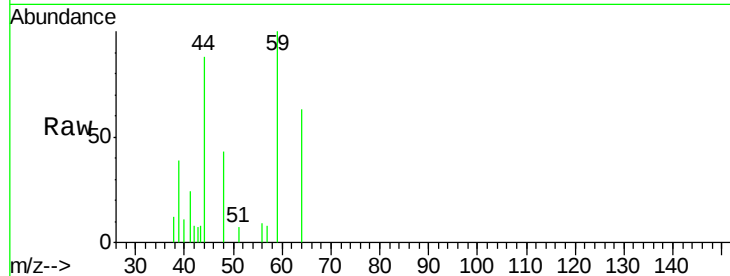




#11
Tert butyl alcohol
Concen: 4.67 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

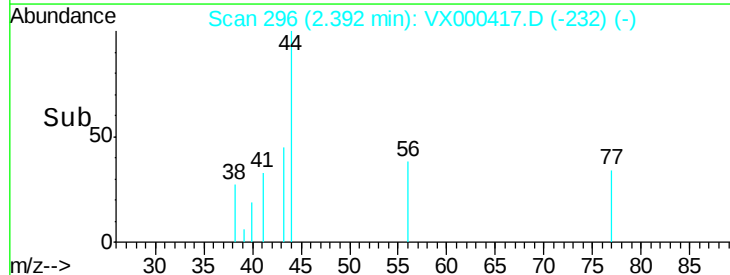
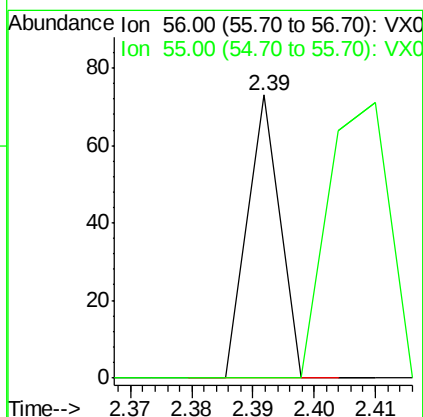
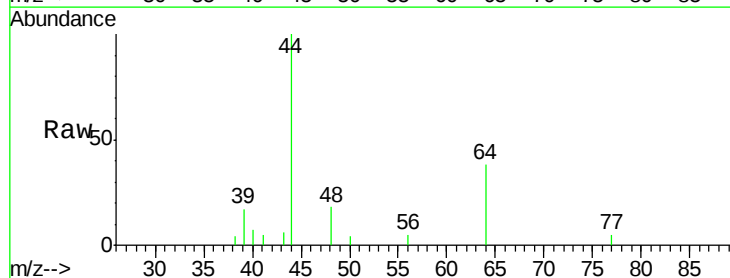
Instrument :
MSVOA_X
ClientSampled :
BR-3-031918

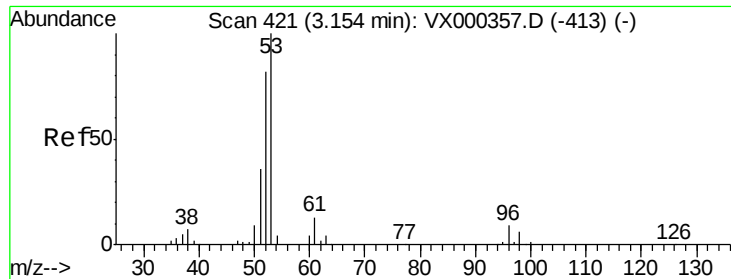
Tgt Ion: 59 Resp: 1831
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 14.78 ug/l
RT: 2.39 min Scan# 296
Delta R.T. 0.09 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 181.5 58.8 88.2#

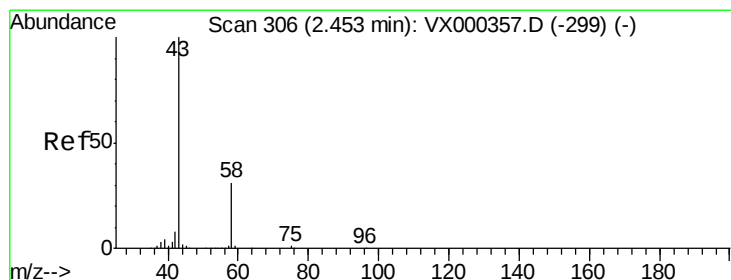
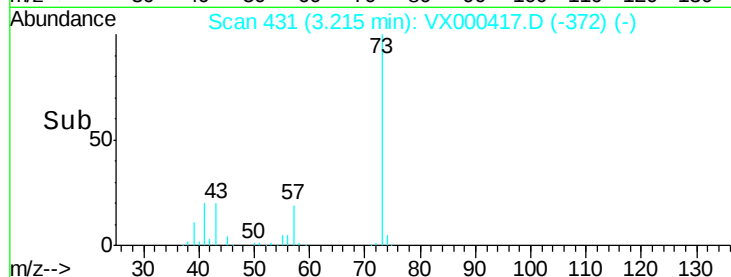
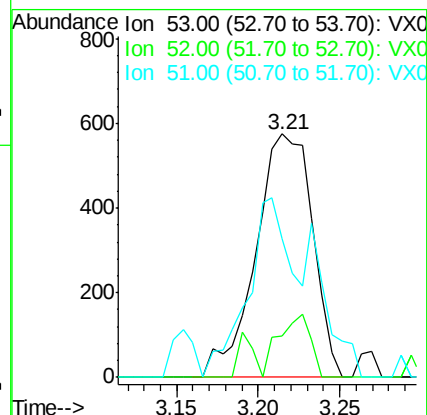
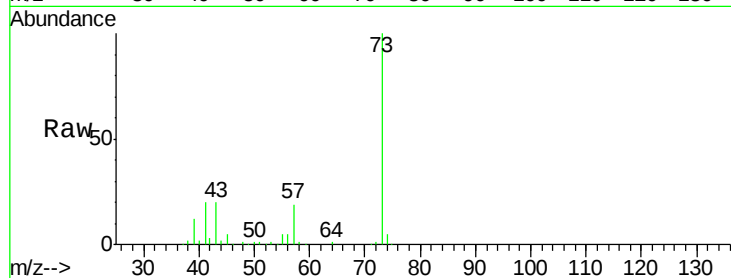




#15
 Acrylonitrile
 Concen: 1.76 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.06 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

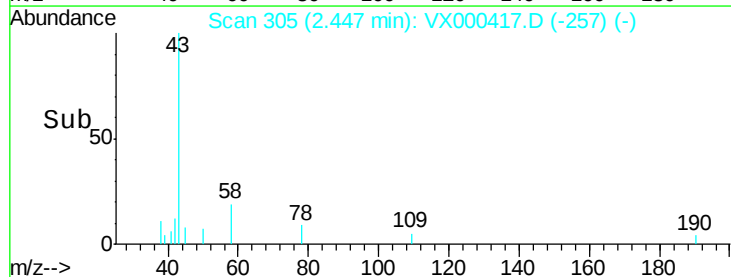
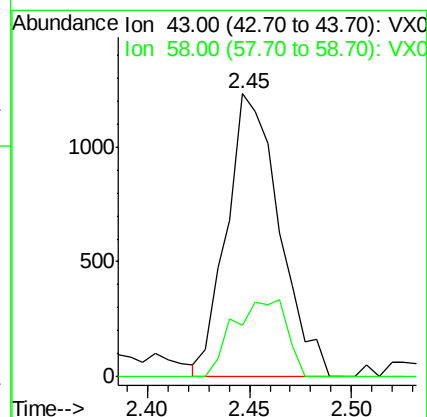
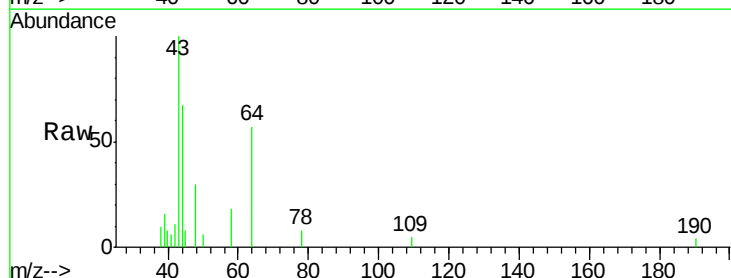
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-3-031918

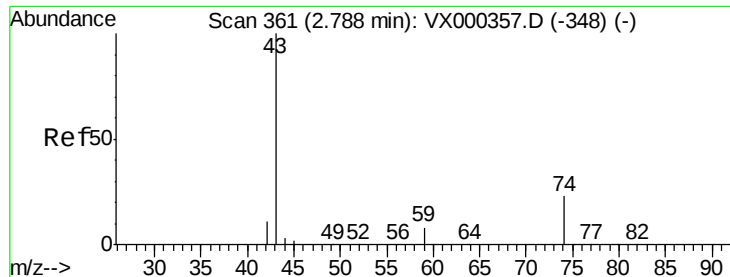
Tgt Ion: 53 Resp: 1397
 Ion Ratio Lower Upper
 53 100
 52 14.5 66.6 99.8#
 51 58.4 29.3 43.9#



#16
 Acetone
 Concen: 2.32 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

Tgt Ion: 43 Resp: 2199
 Ion Ratio Lower Upper
 43 100
 58 18.0 24.7 37.1#

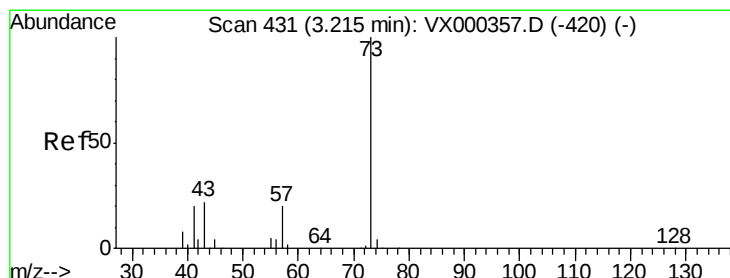
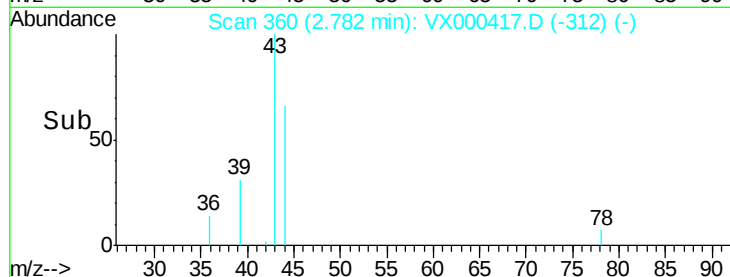
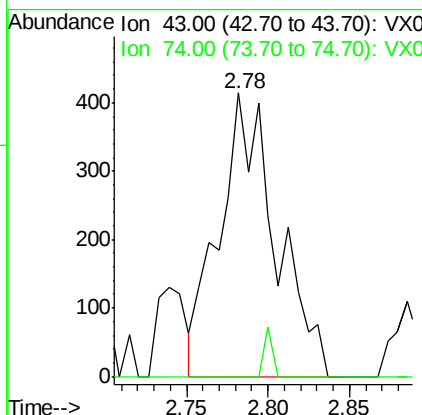
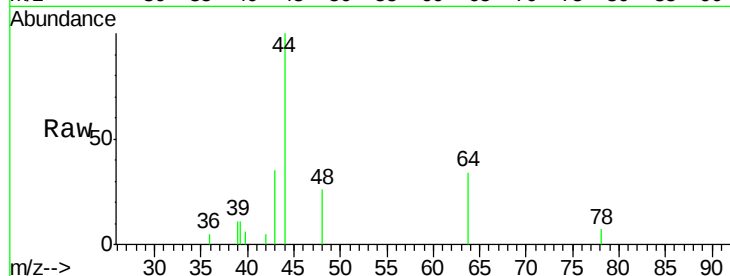




#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

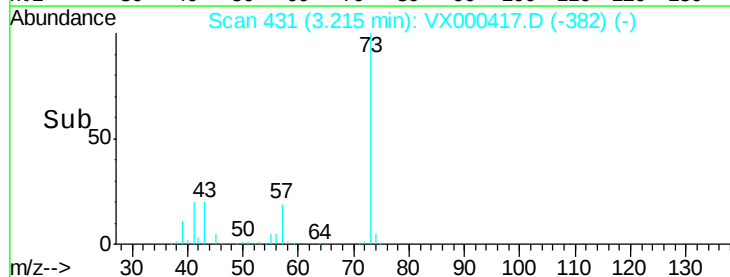
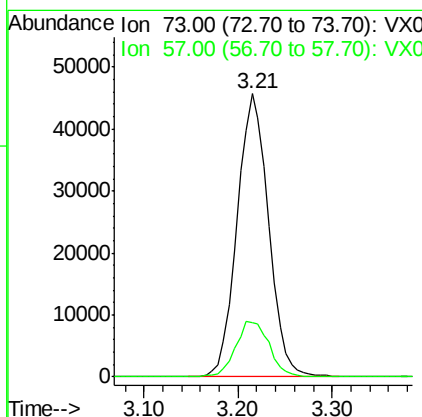
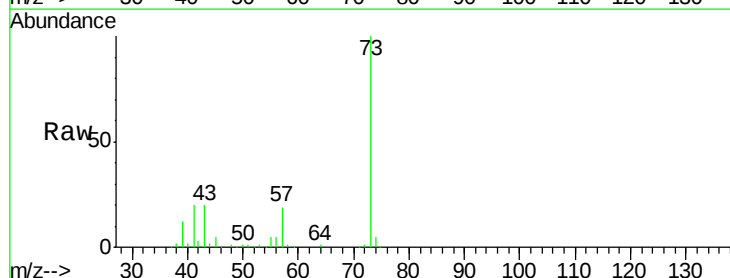
Instrument :
MSVOA_X
ClientSampleId :
BR-3-031918

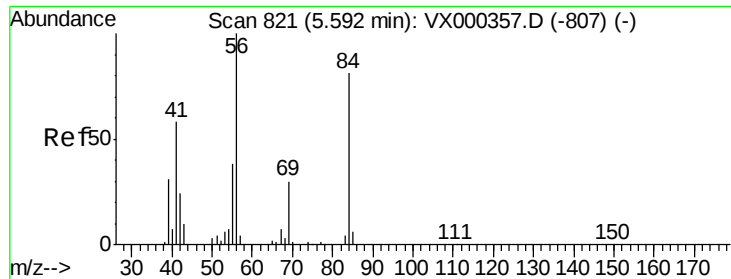
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 2.6 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 30.46 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

Tgt Ion: 73 Resp: 106649
Ion Ratio Lower Upper
73 100
57 19.1 17.2 25.8

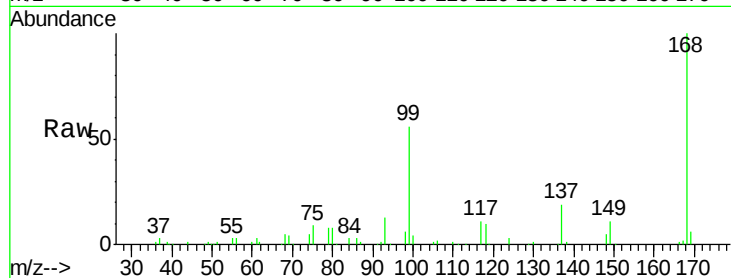




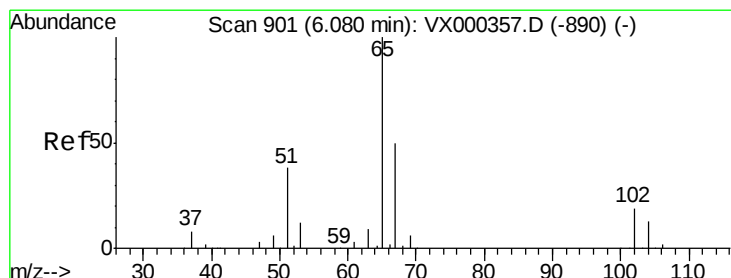
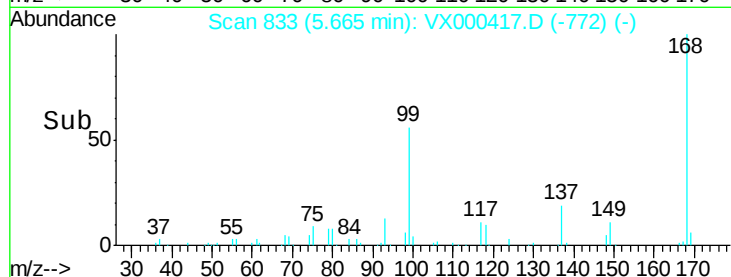
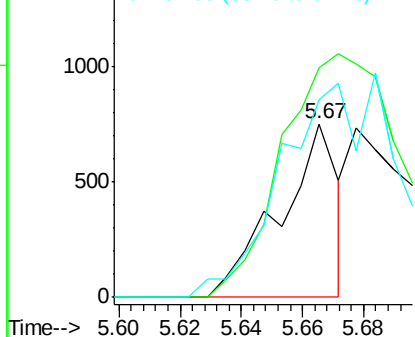
#31
Cyclohexane
Concen: 0.69 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
BR-3-031918

Tgt Ion: 56 Resp: 988
Ion Ratio Lower Upper
56 100
69 132.3 23.4 35.0#
84 113.9 71.0 106.4#

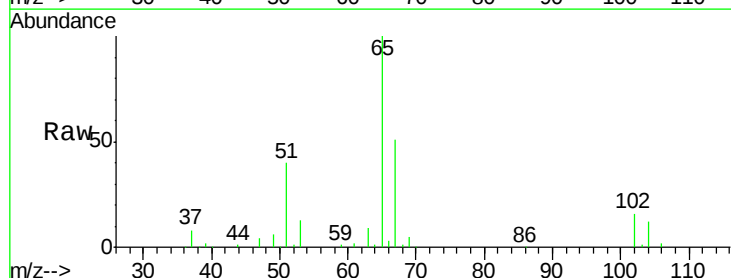


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

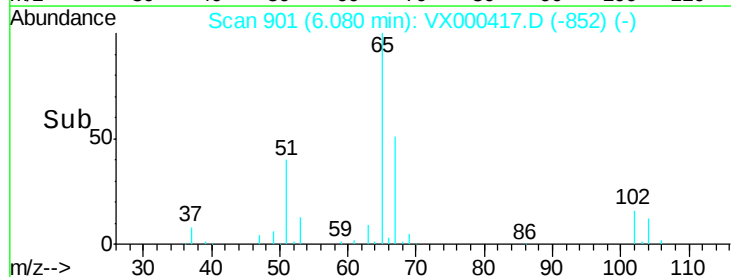
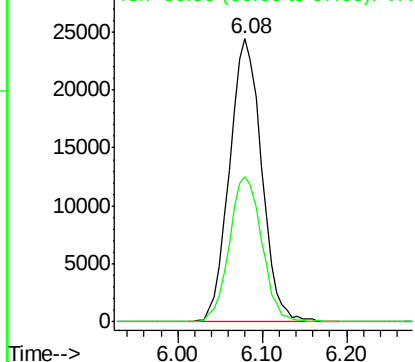


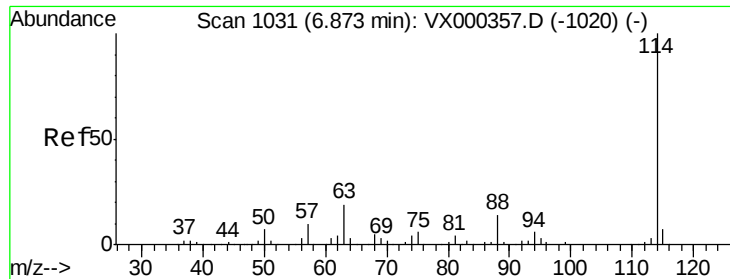
#33
1,2-Dichloroethane-d4
Concen: 55.32 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

Tgt Ion: 65 Resp: 63065
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

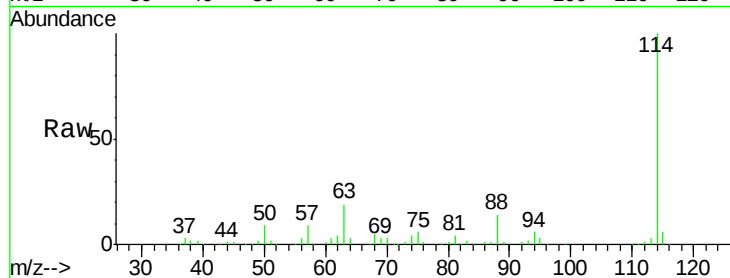




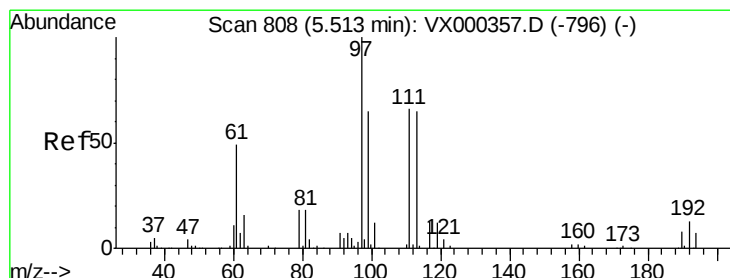
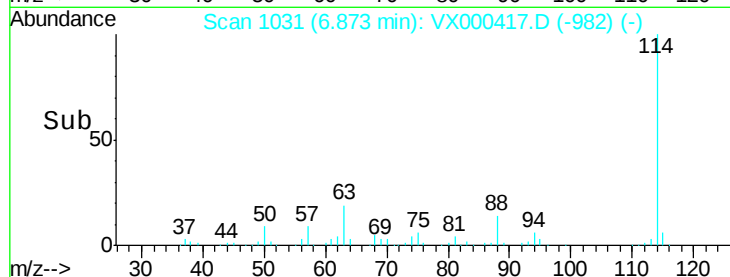
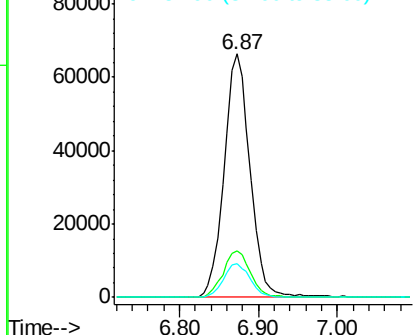
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-3-031918

Tgt Ion:114 Resp: 151801
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 13.9 0.0 27.0

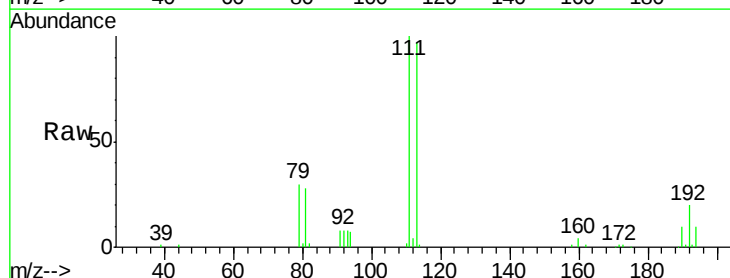


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

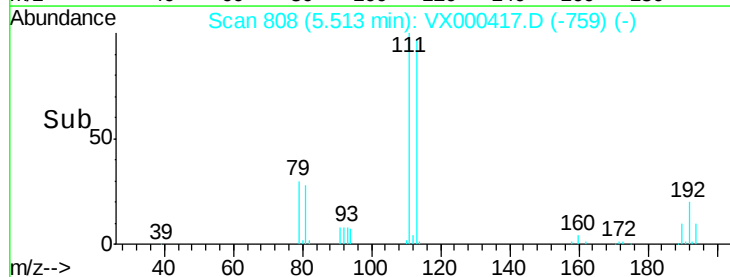
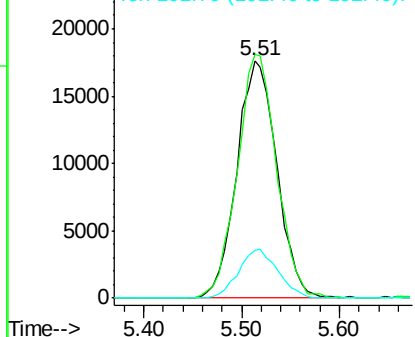


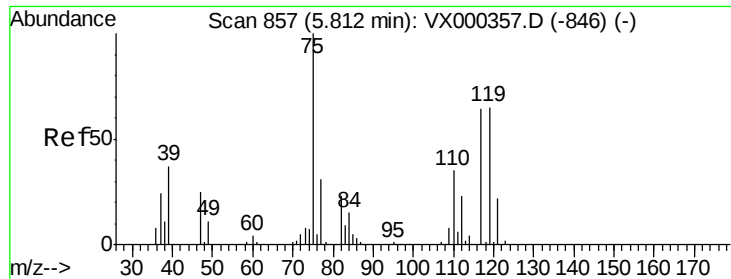
#35
 Dibromofluoromethane
 Concen: 52.24 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

Tgt Ion:113 Resp: 49970
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.4 123.6
 192 20.4 15.8 23.6



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

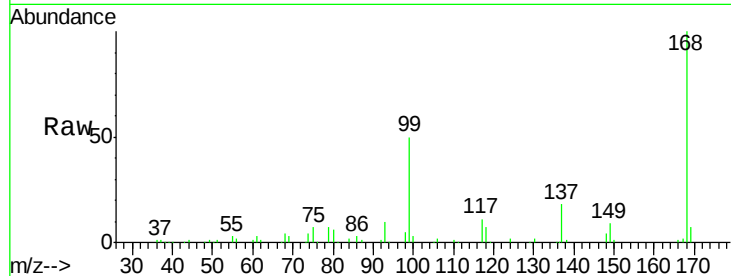




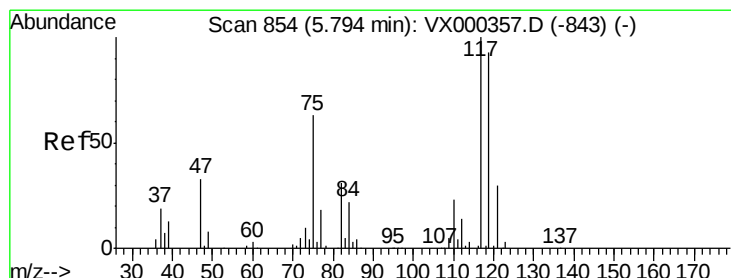
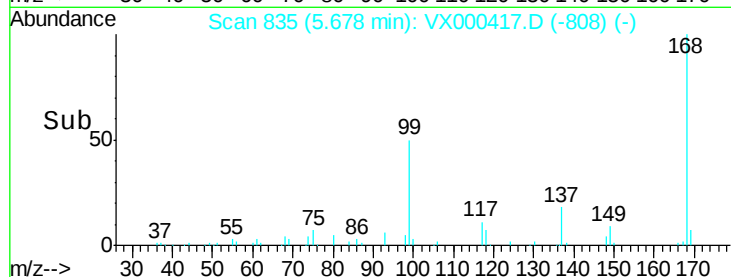
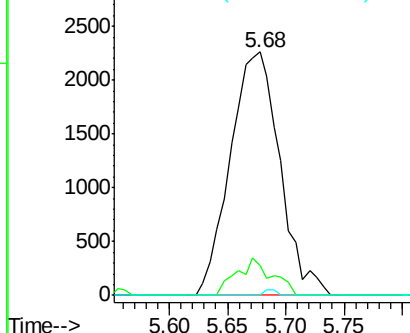
#36
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-3-031918

Tgt Ion: 75 Resp: 6676
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.9 53.7#
 77 0.6 24.0 36.0#

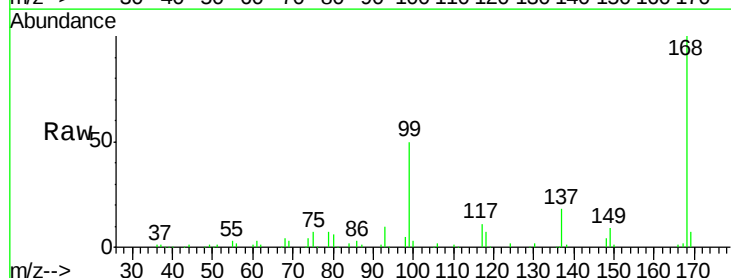


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

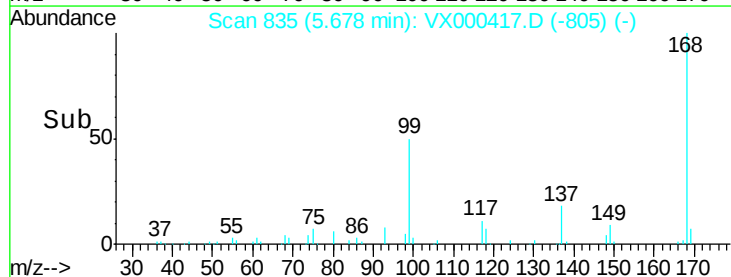
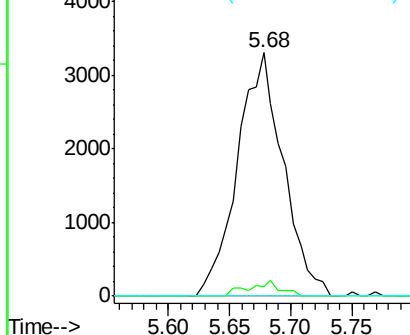


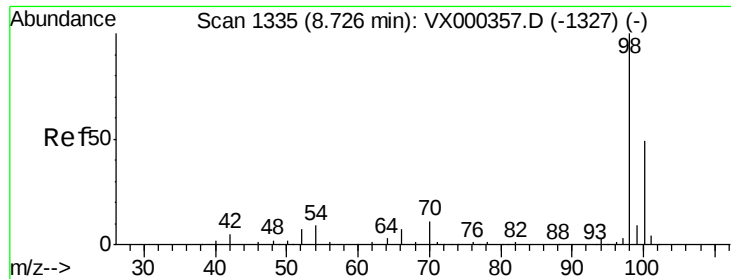
#38
 Carbon Tetrachloride
 Concen: 5.76 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000417.D
 Acq: 22 Mar 2018 19:53

Tgt Ion: 117 Resp: 8591
 Ion Ratio Lower Upper
 117 100
 119 3.8 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

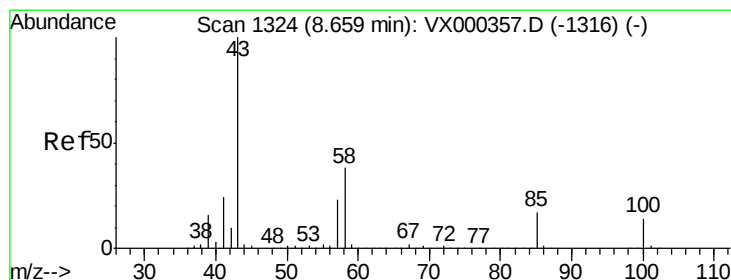
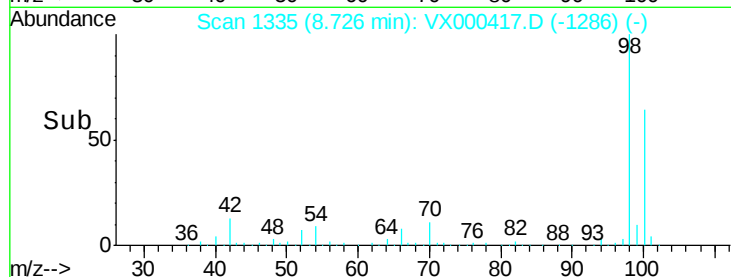
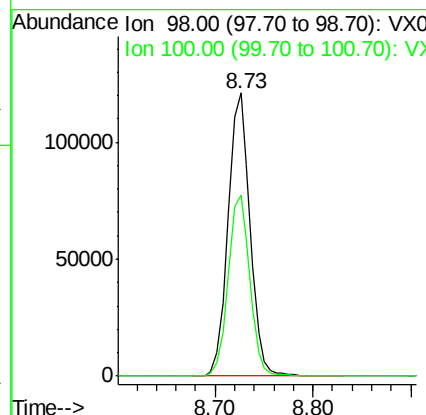
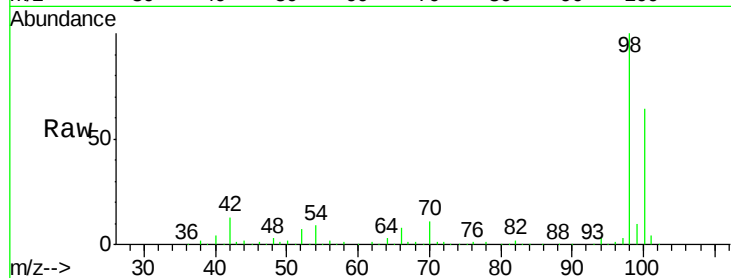




#50
Toluene-d8
Concen: 47.49 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

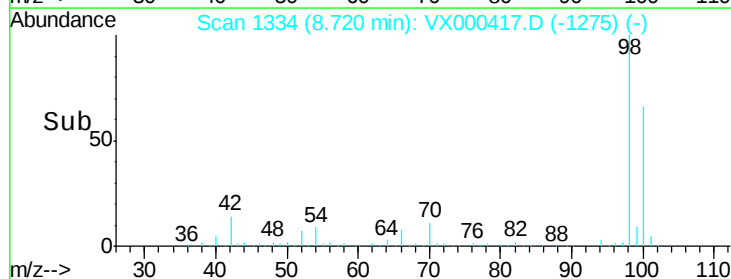
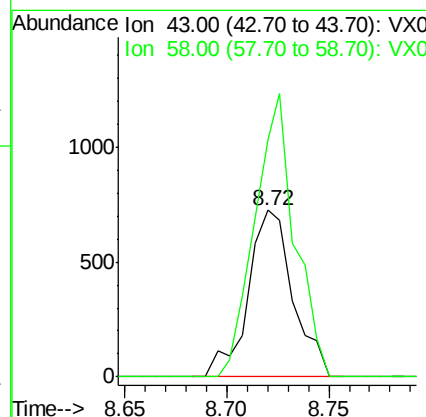
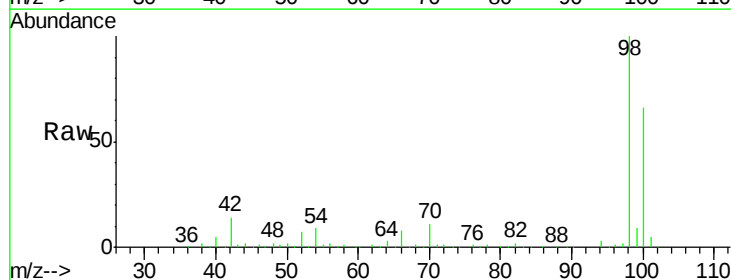
Instrument :
MSVOA_X
ClientSampled :
BR-3-031918

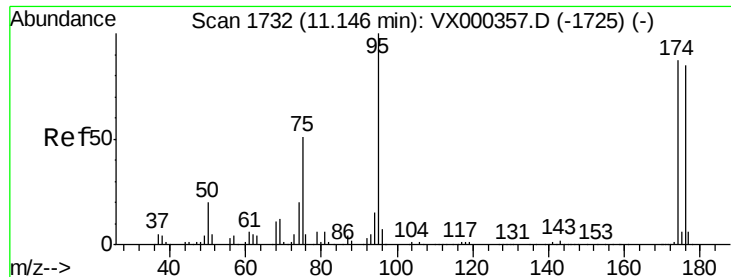
Tgt Ion: 98 Resp: 188125
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000417.D
Acq: 22 Mar 2018 19:53

Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
58 151.8 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 35.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

BR-3-031918

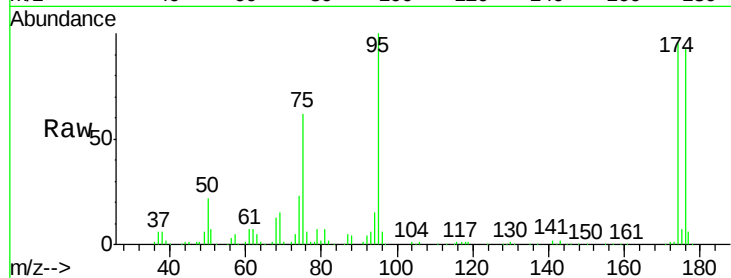
Tgt Ion: 95 Resp: 56877

Ion Ratio Lower Upper

95 100

174 92.6 0.0 173.6

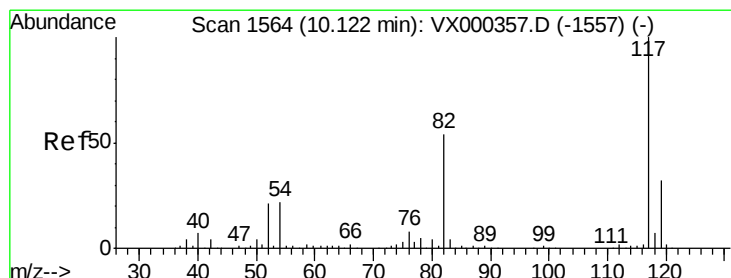
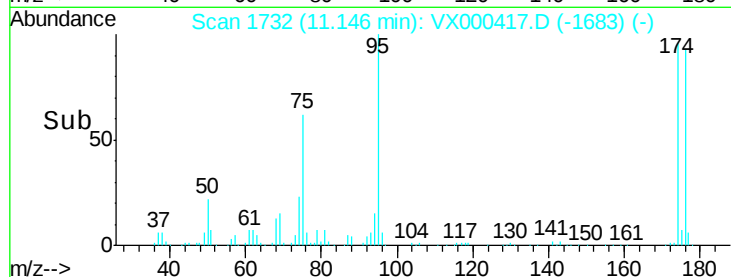
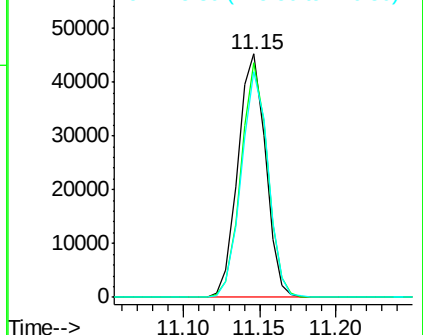
176 90.1 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000417.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000417.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000417.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

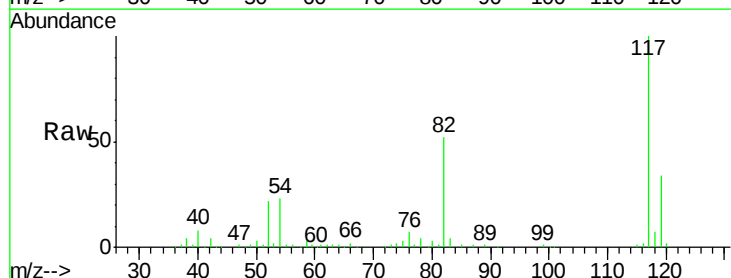
Tgt Ion: 117 Resp: 138828

Ion Ratio Lower Upper

117 100

82 51.7 43.8 65.8

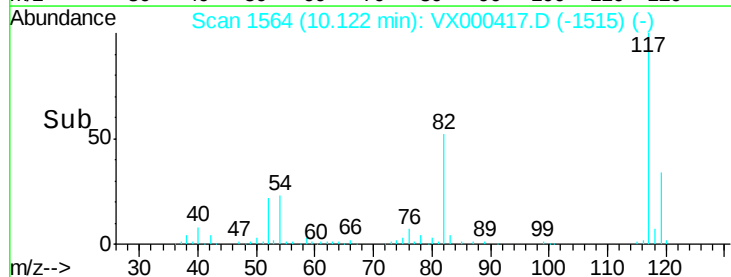
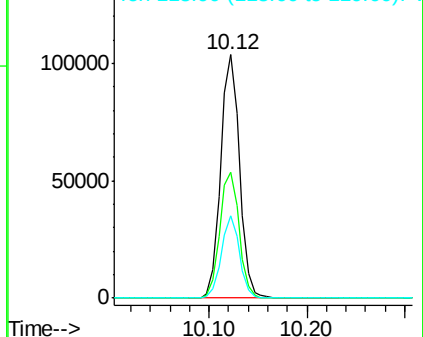
119 33.9 24.9 37.3

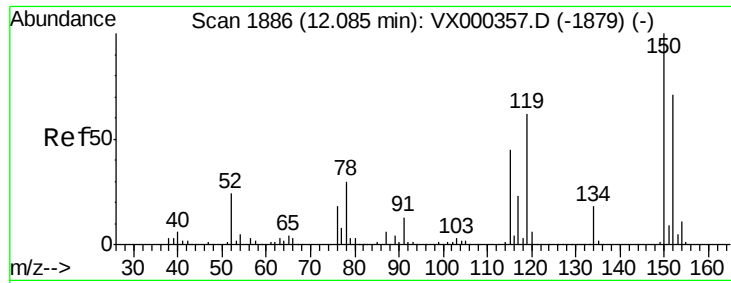


Abundance Ion 116.90 (116.60 to 117.60): VX000417.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000417.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000417.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

BR-3-031918

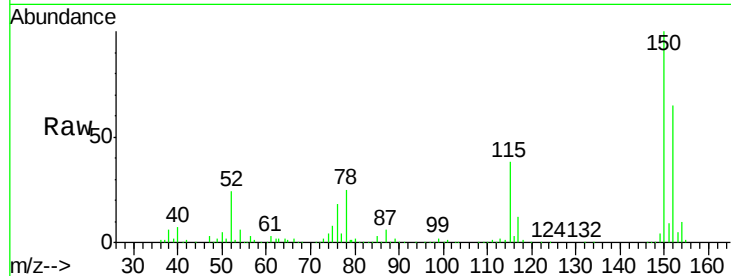
Tgt Ion:152 Resp: 61463

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

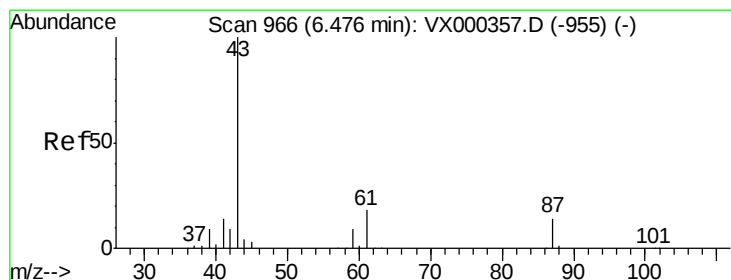
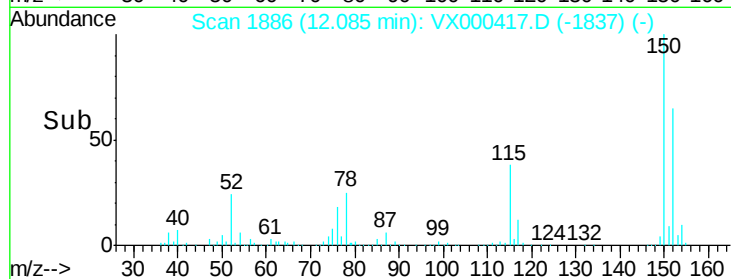
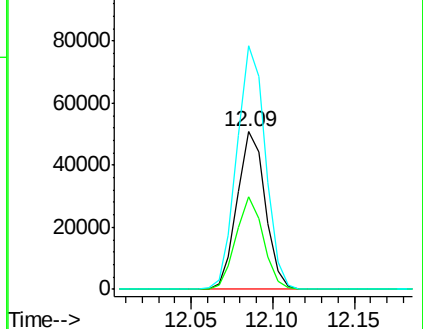
150 156.3 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Tgt Ion: 43 Resp: 21

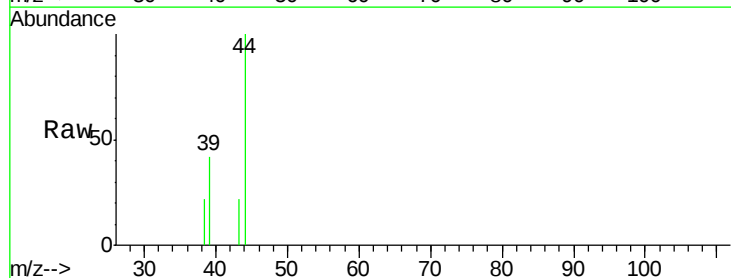
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

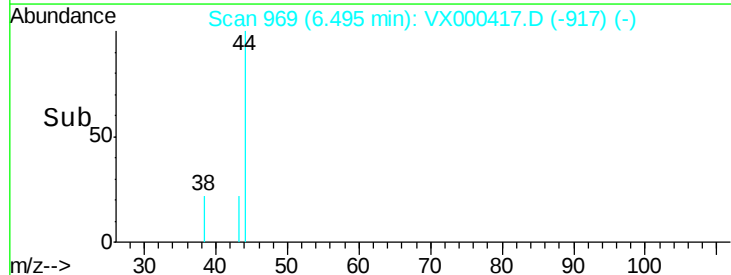
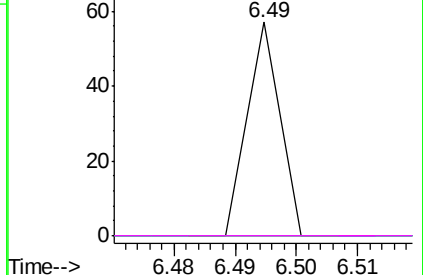


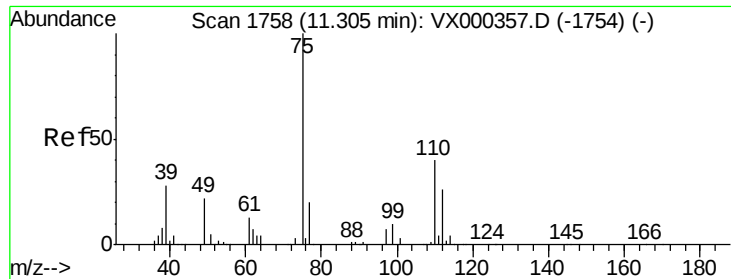
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

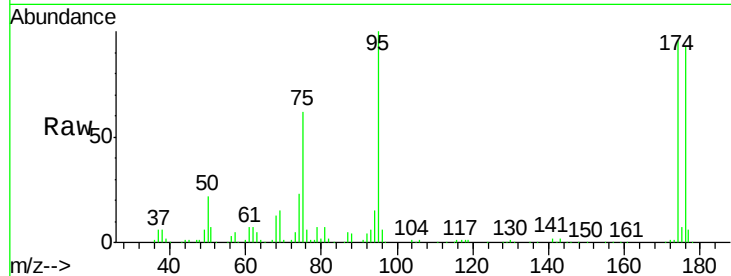
BR-3-031918

Tgt Ion: 75 Resp: 34286

Ion Ratio Lower Upper

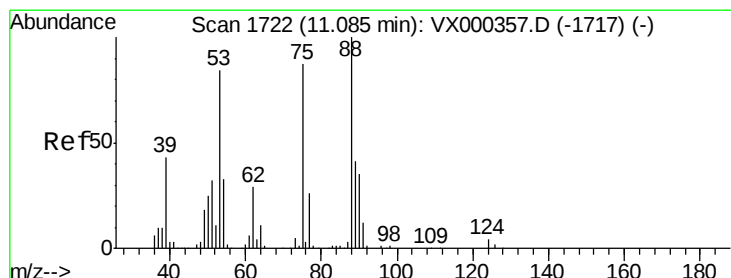
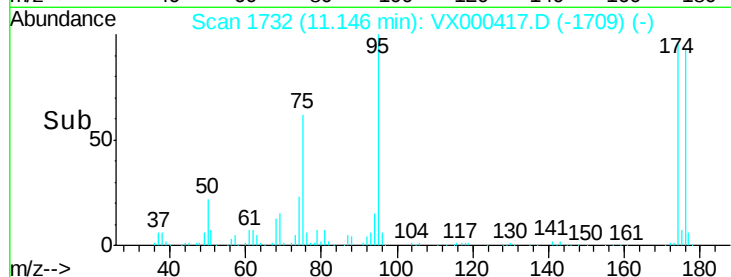
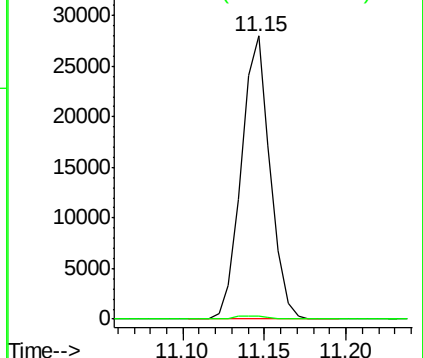
75 100

77 1.1 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: 84.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000417.D

Acq: 22 Mar 2018 19:53

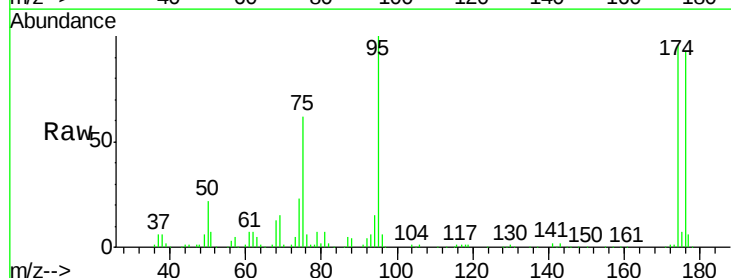
Tgt Ion: 75 Resp: 34286

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

