

Data File : VX000408.D
Acq On : 22 Mar 2018 16:04
Operator : JC/MD
Sample : J2005-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CARBON-1-031918

Quant Time: Mar 23 05:44:34 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	5.67	168	86507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	139910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	61528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	62831	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	5.52	113	48191	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	8.73	98	187778	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.15	95	58022	37.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.28%	

Target Compounds						Qvalue
3) Chloromethane	1.32	50	540	0.54	ug/l #	87
5) Bromomethane	1.66	94	242	0.24	ug/l #	36
6) Chloroethane	1.72	64	61	Below Cal	#	44
10) Methyl Iodide	2.54	142	20	4.29	ug/l #	1
13) Acrolein	2.40	56	25	14.77	ug/l #	13
16) Acetone	2.45	43	1407	1.50	ug/l #	82
29) Tetrahydrofuran	5.18	42	152	0.23	ug/l #	49
31) Cyclohexane	5.68	56	2217	1.56	ug/l #	47
36) 1,1-Dichloropropene	5.68	75	6794	4.87	ug/l #	47
38) Carbon Tetrachloride	5.68	117	8351	5.70	ug/l #	20
51) 4-Methyl-2-Pentanone	8.73	43	930	0.42	ug/l #	1
74) N-amyl acetate	6.49	43	20	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	33728	25.51	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	33728	82.58	ug/l #	9

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

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ClientSampleId :
CARBON-1-031918

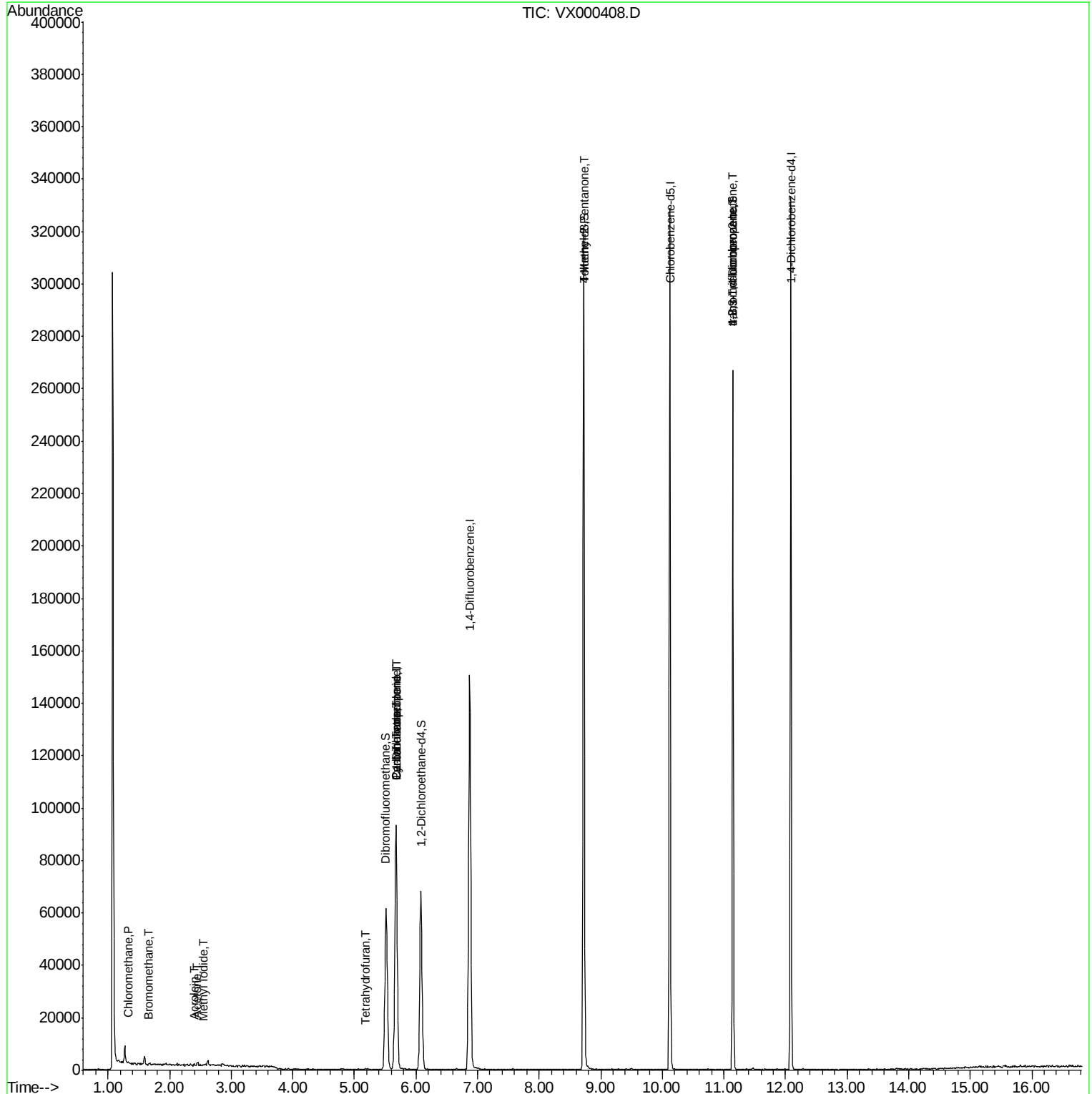
Quant Time: Mar 23 05:44:34 2018

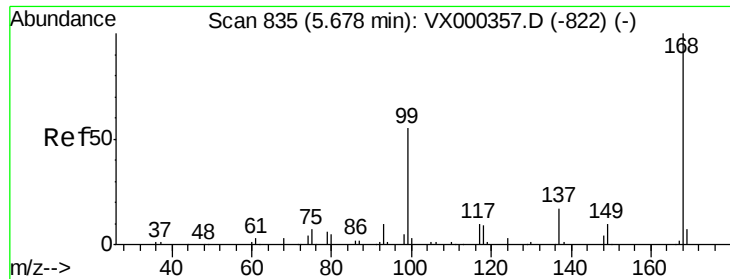
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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: 5.67 min Scan# 834

Delta R.T. -0.01 min

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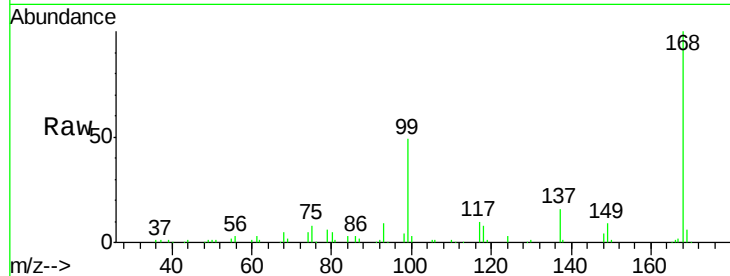
Instrument :
MSVOA_X
ClientSampleId :
CARBON-1-031918

Tgt Ion: 168 Resp: 86507

Ion Ratio Lower Upper

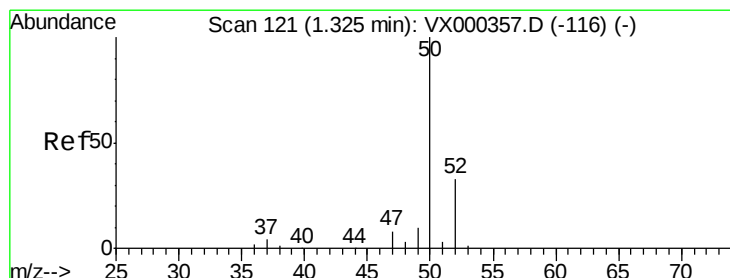
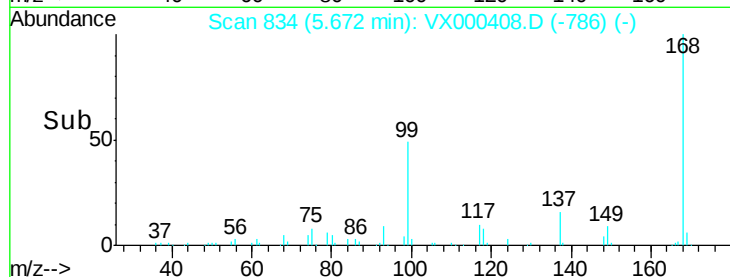
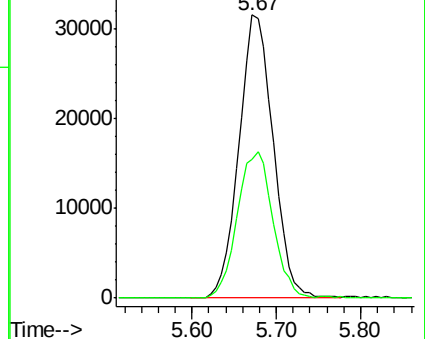
168 100

99 49.0 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: 0.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000408.D

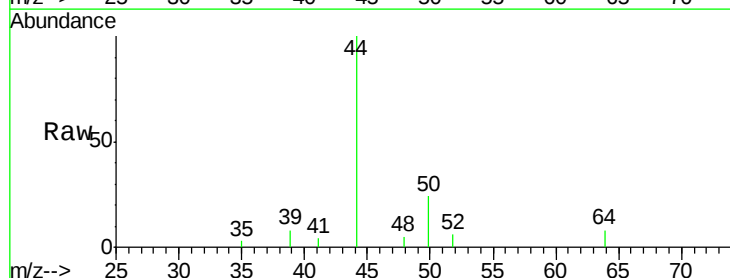
Acq: 22 Mar 2018 16:04

Tgt Ion: 50 Resp: 540

Ion Ratio Lower Upper

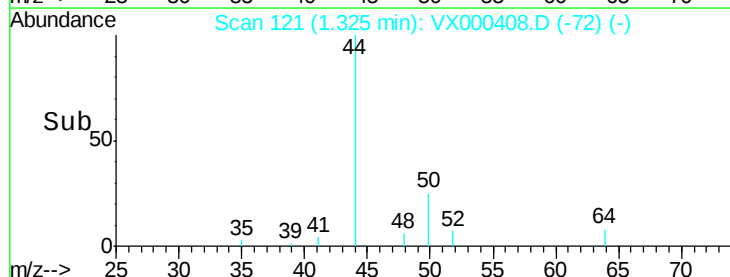
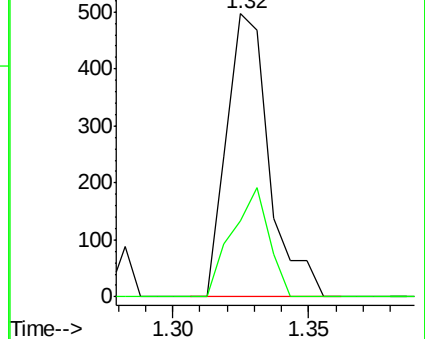
50 100

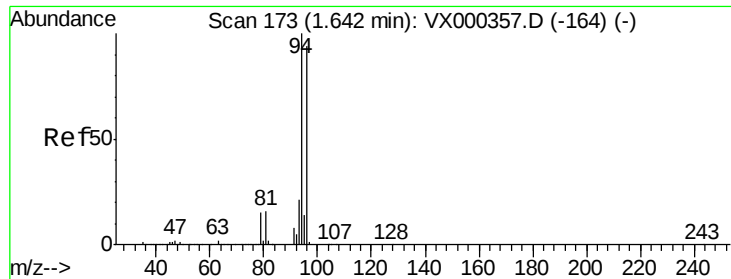
52 27.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

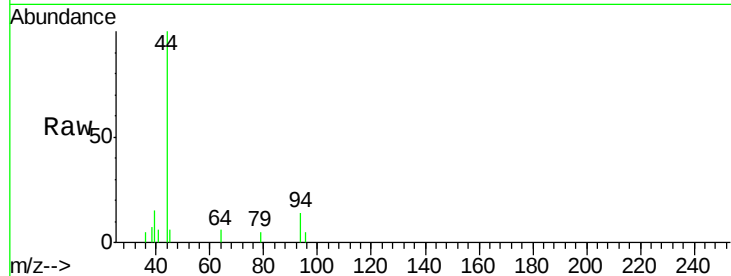
CARBON-1-031918

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

94 100

96 34.5 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

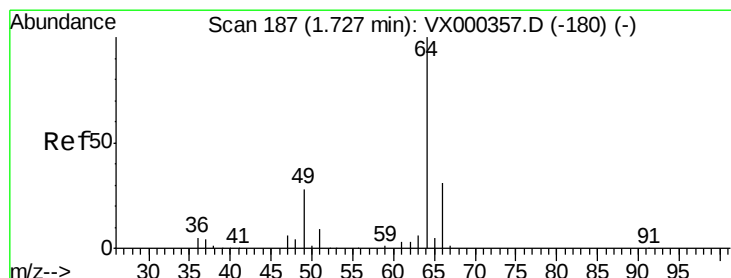
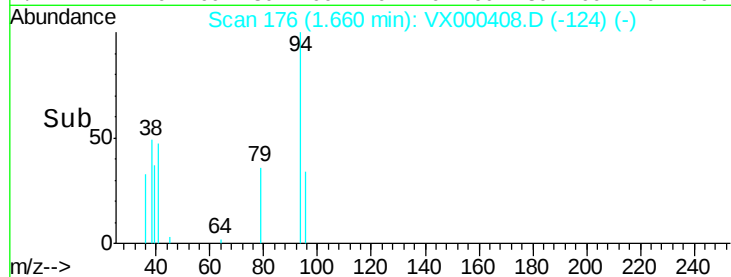
150

100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000408.D

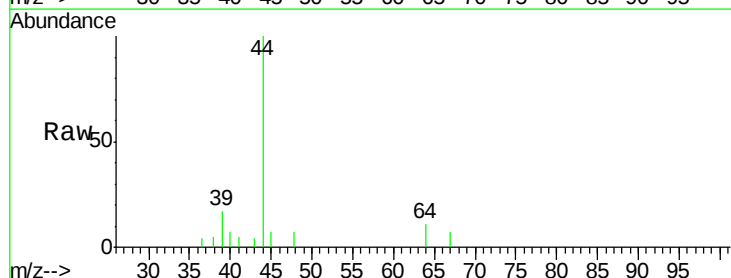
Acq: 22 Mar 2018 16:04

Tgt Ion: 64 Resp: 61

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

250

200

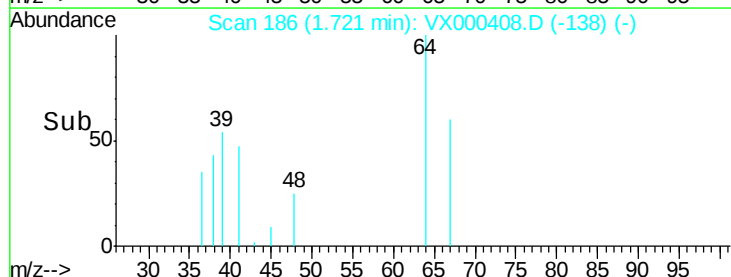
150

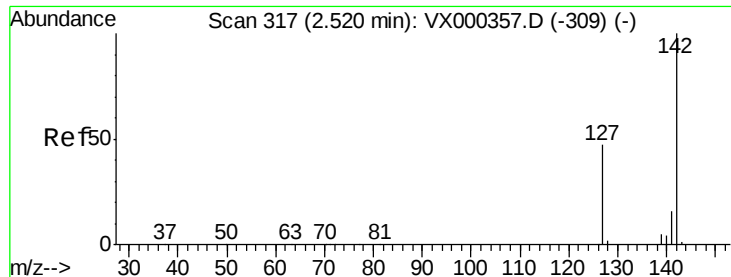
100

50

0

Time--> 1.70 1.71 1.72 1.73 1.74

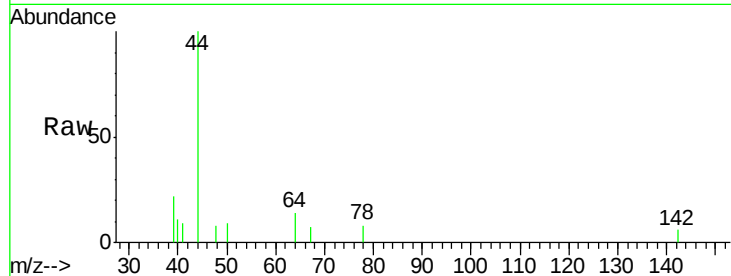




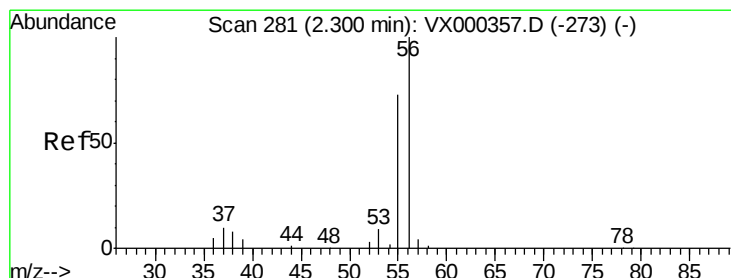
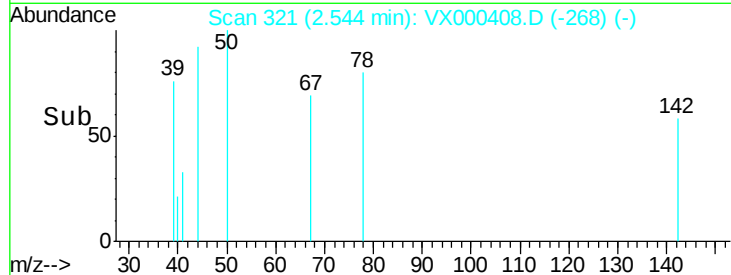
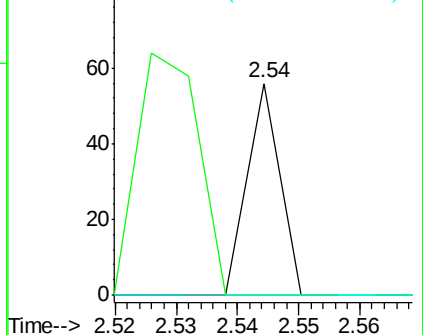
#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.54 min Scan# 321
Delta R.T. 0.03 min
Lab File: VX000408.D
Acq: 22 Mar 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
CARBON-1-031918

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 225.0 39.2 58.8#
141 0.0 11.7 17.5#

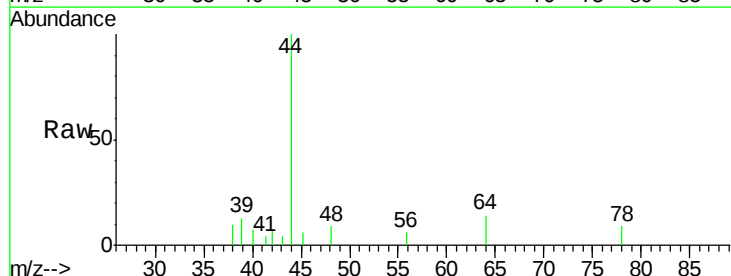


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

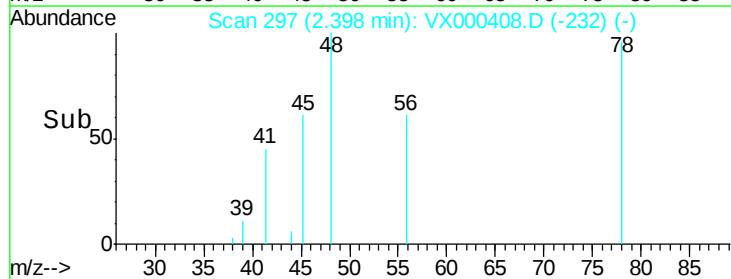
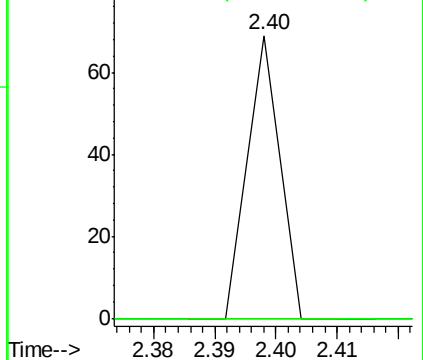


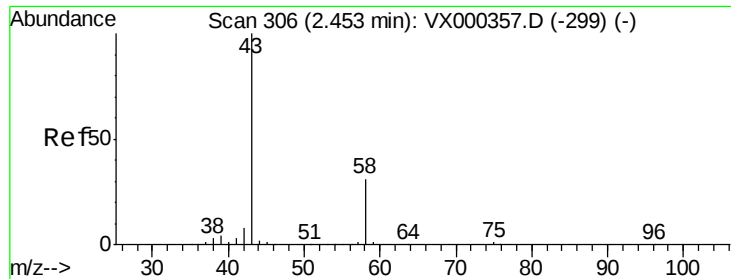
#13
Acrolein
Concen: 14.77 ug/l
RT: 2.40 min Scan# 297
Delta R.T. 0.10 min
Lab File: VX000408.D
Acq: 22 Mar 2018 16:04

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 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: 1.50 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

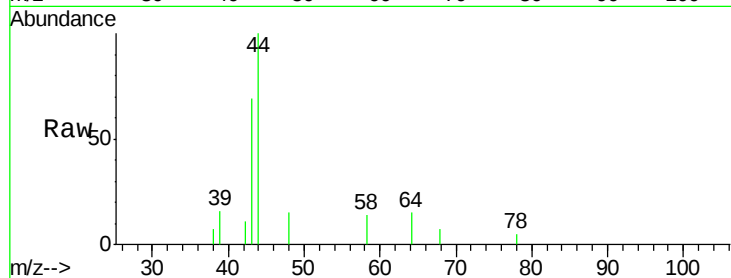
CARBON-1-031918

Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

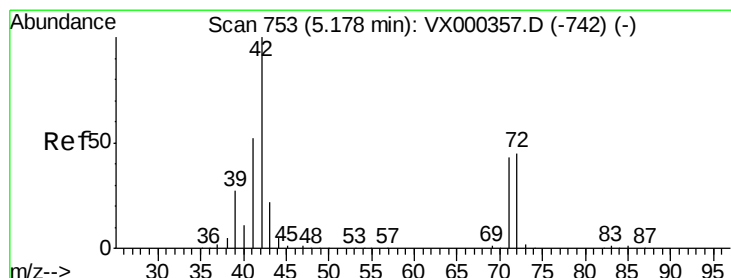
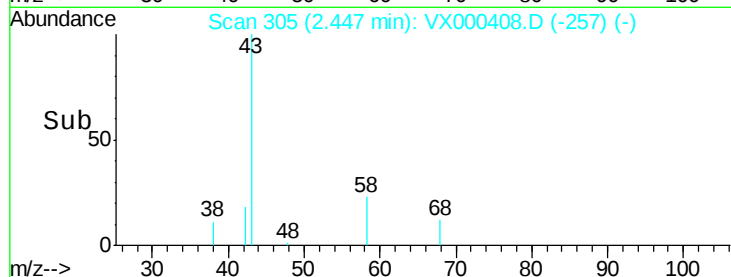
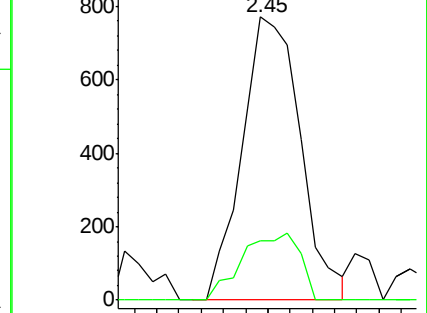
43 100

58 20.9 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

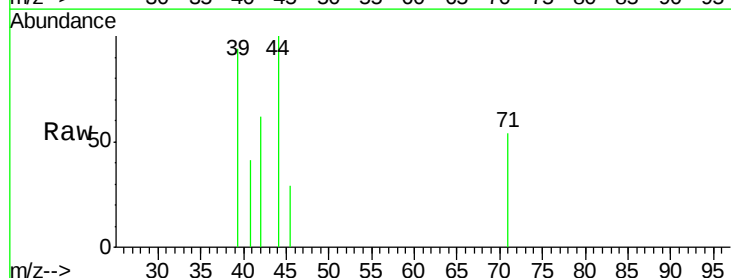
Tgt Ion: 42 Resp: 152

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

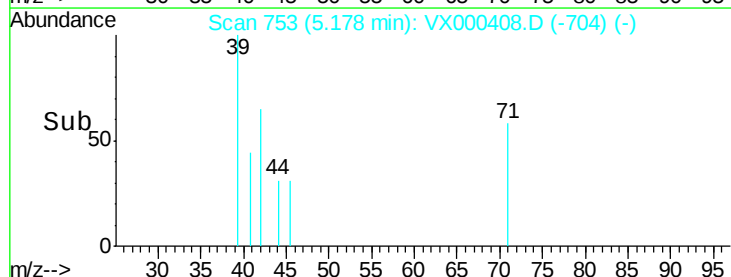
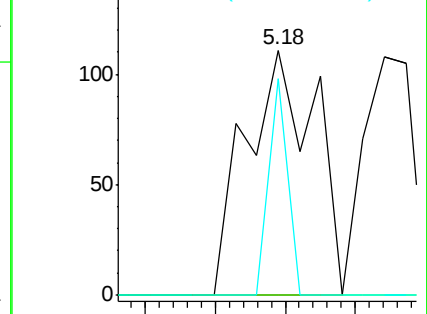
71 23.7 34.4 51.6#

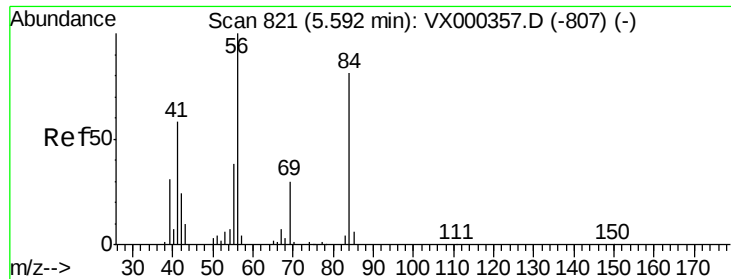


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

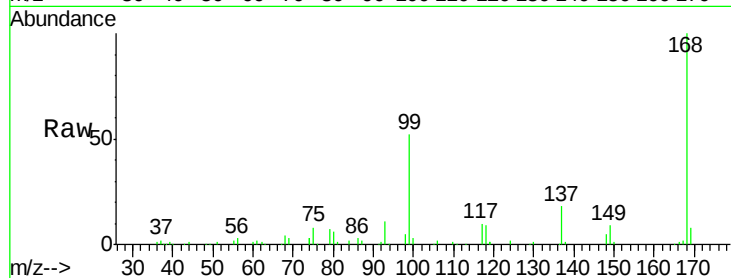




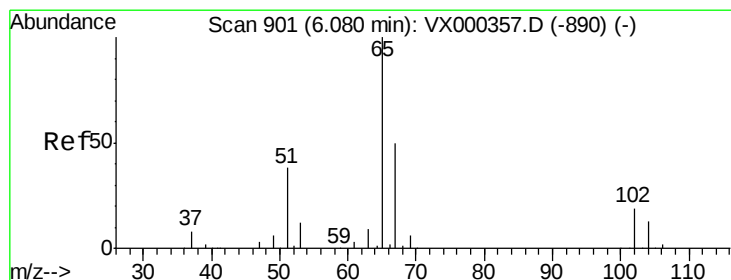
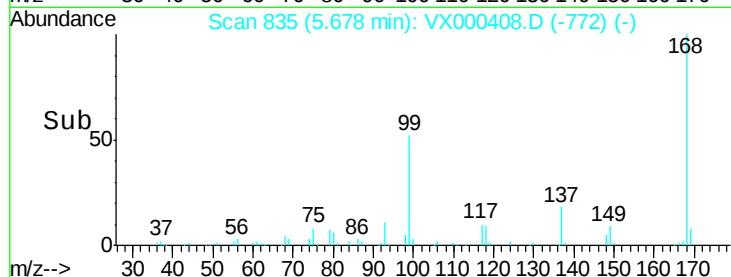
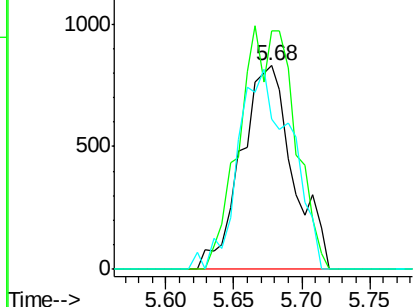
#31
Cyclohexane
Concen: 1.56 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000408.D
Acq: 22 Mar 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
CARBON-1-031918

Tgt Ion: 56 Resp: 2217
Ion Ratio Lower Upper
56 100
69 117.1 23.4 35.0#
84 73.8 71.0 106.4

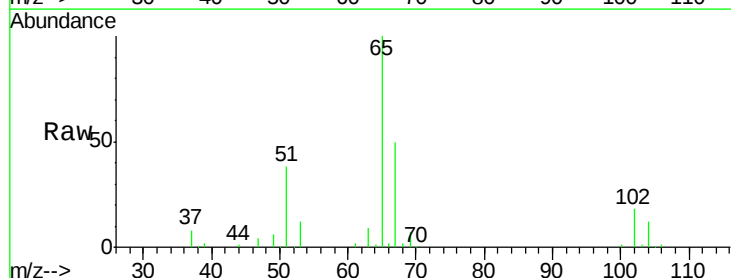


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

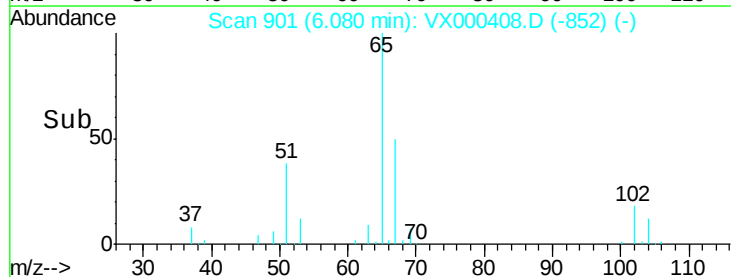
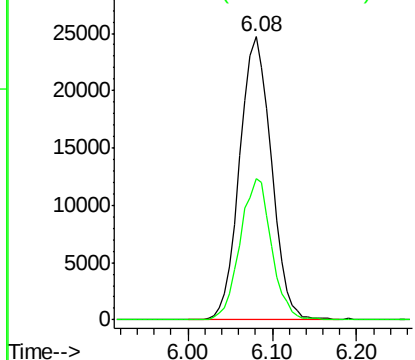


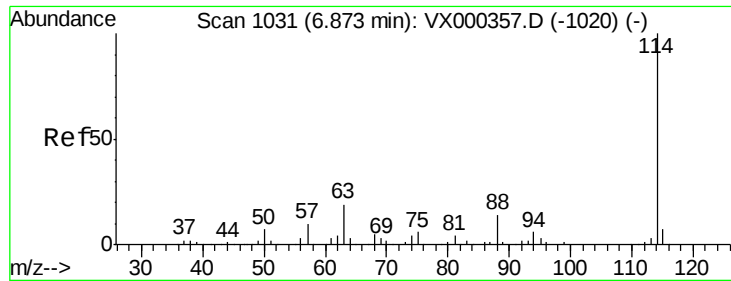
#33
1,2-Dichloroethane-d4
Concen: 55.64 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000408.D
Acq: 22 Mar 2018 16:04

Tgt Ion: 65 Resp: 62831
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.2



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

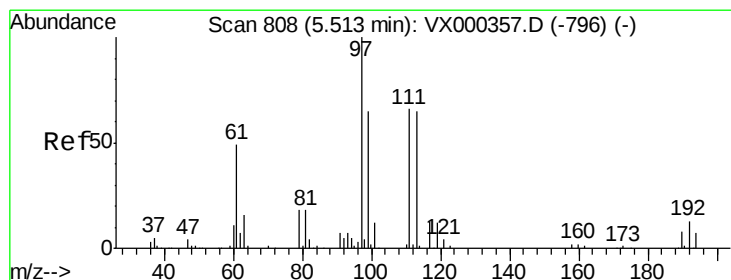
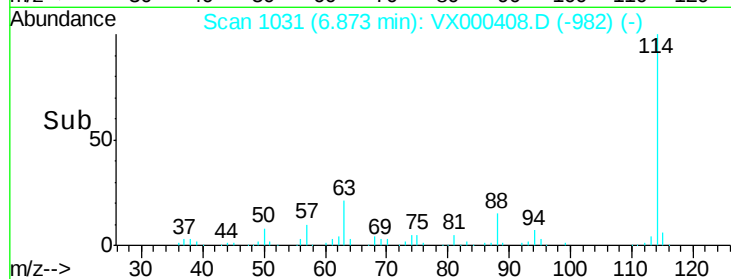
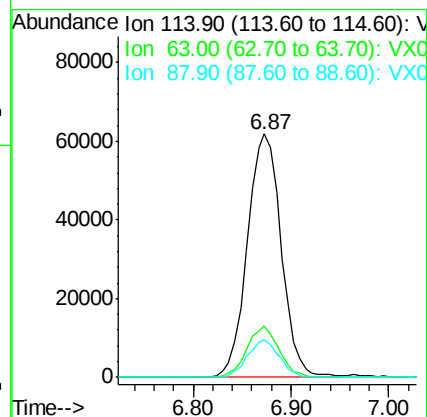
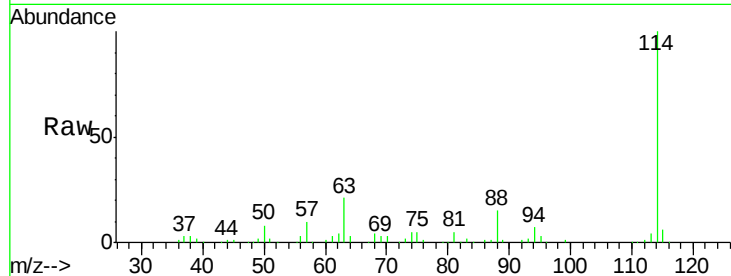




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000408.D
 Acq: 22 Mar 2018 16:04

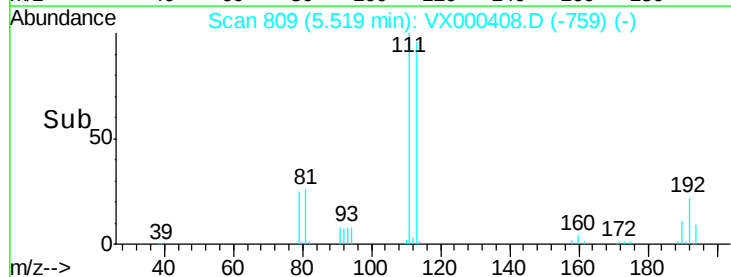
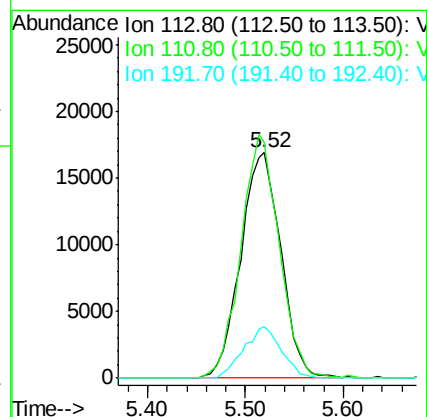
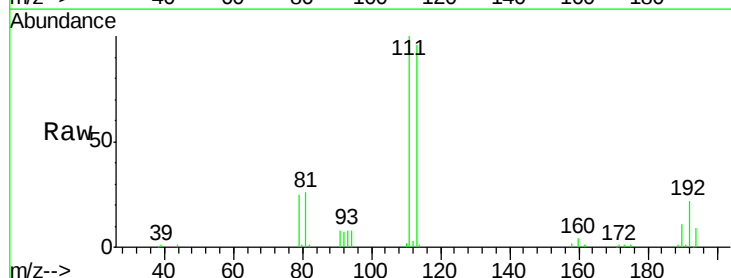
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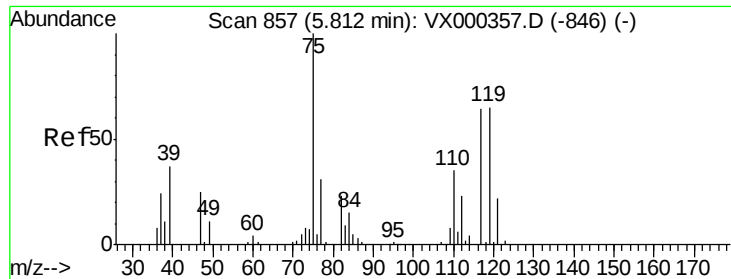
Tgt Ion:114 Resp: 148969
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 38.4
 88 15.3 0.0 27.0



#35
 Dibromofluoromethane
 Concen: 51.34 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000408.D
 Acq: 22 Mar 2018 16:04

Tgt Ion:113 Resp: 48191
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 21.6 15.8 23.6

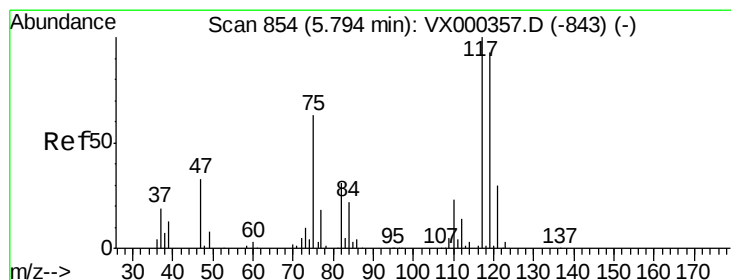
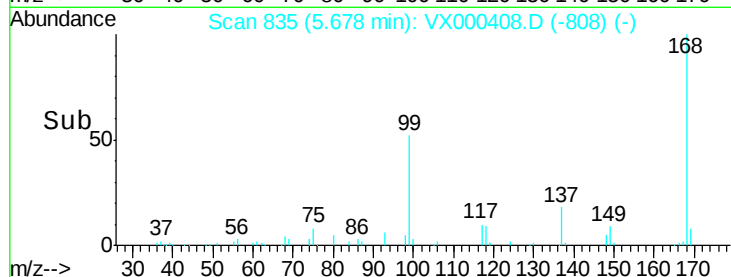
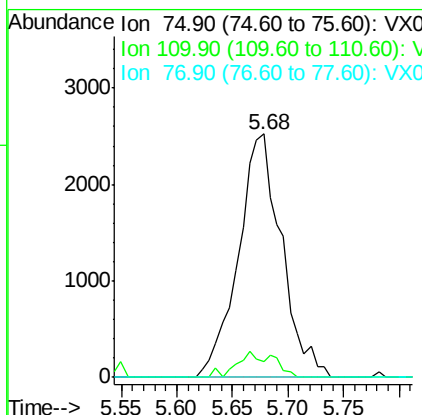
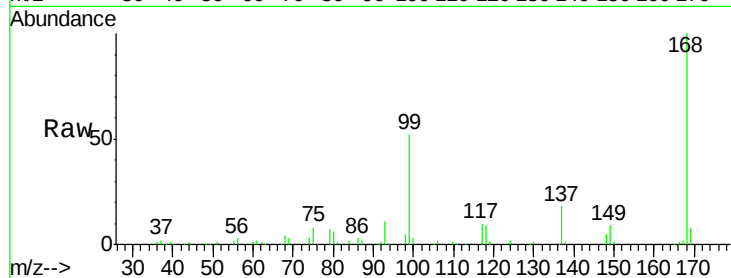




#36
 1,1-Dichloropropene
 Concen: 4.87 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000408.D
 Acq: 22 Mar 2018 16:04

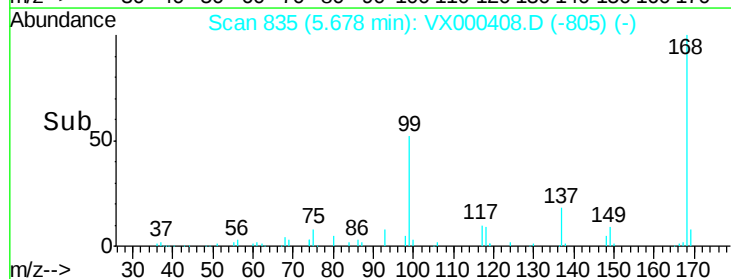
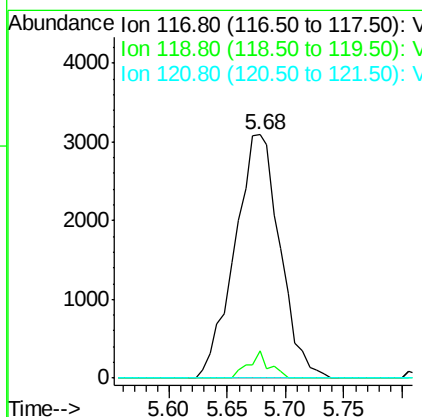
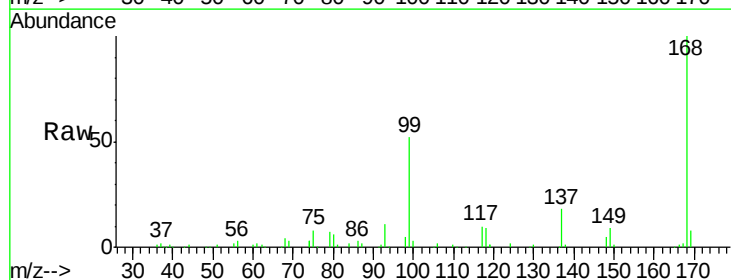
Instrument :
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 CARBON-1-031918

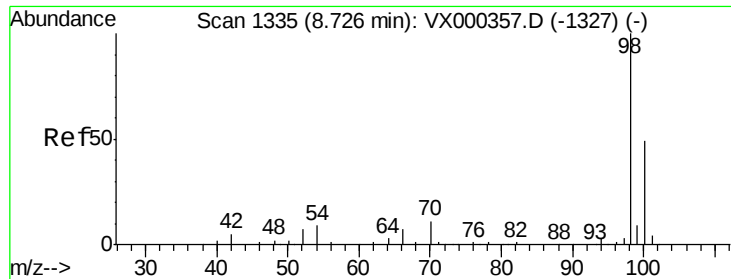
Tgt Ion: 75 Resp: 6794
 Ion Ratio Lower Upper
 75 100
 110 6.1 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.70 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000408.D
 Acq: 22 Mar 2018 16:04

Tgt Ion: 117 Resp: 8351
 Ion Ratio Lower Upper
 117 100
 119 11.2 77.4 116.2#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.30 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

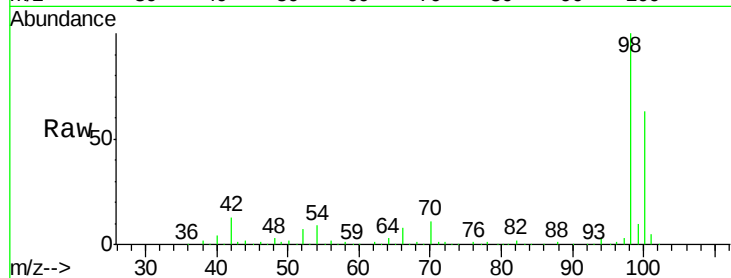
CARBON-1-031918

Tgt Ion: 98 Resp: 187778

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): VX

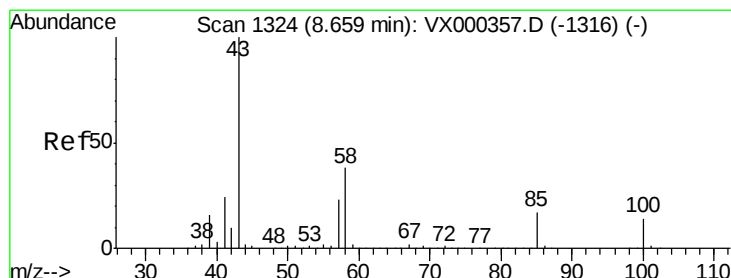
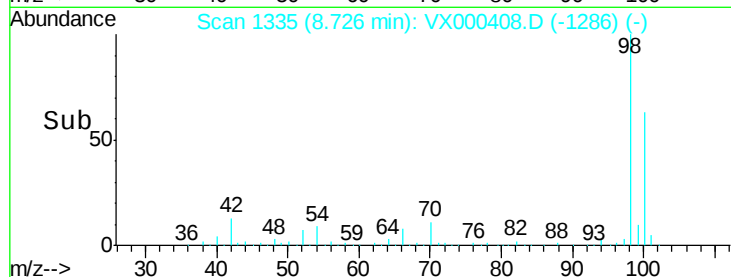
8.73

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.42 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.07 min

Lab File: VX000408.D

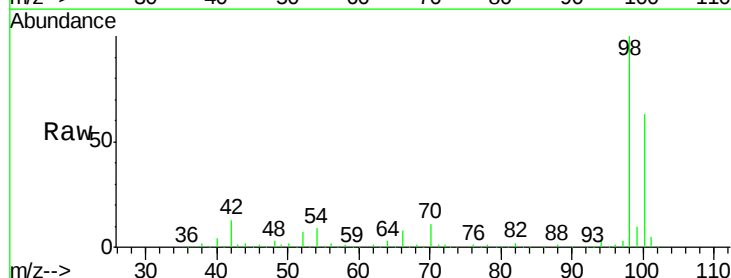
Acq: 22 Mar 2018 16:04

Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

58 191.3 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

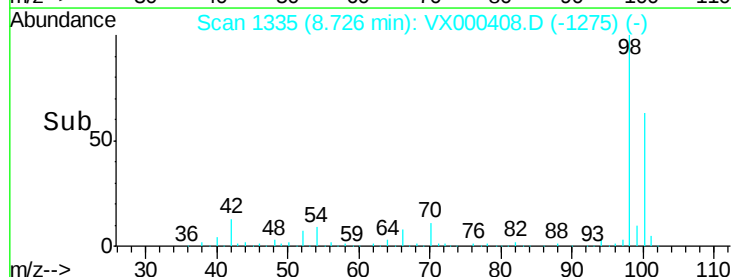
8.73

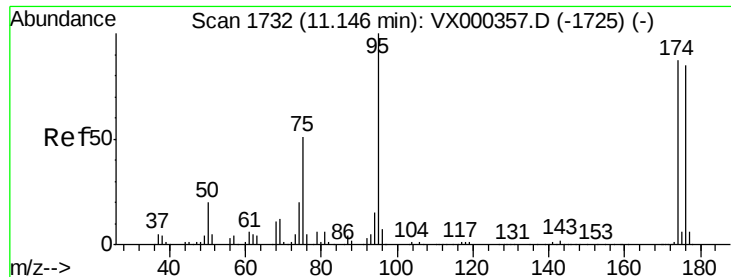
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

CARBON-1-031918

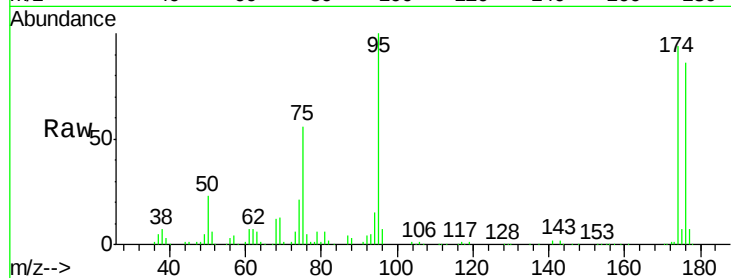
Tgt Ion: 95 Resp: 58022

Ion Ratio Lower Upper

95 100

174 91.8 0.0 173.6

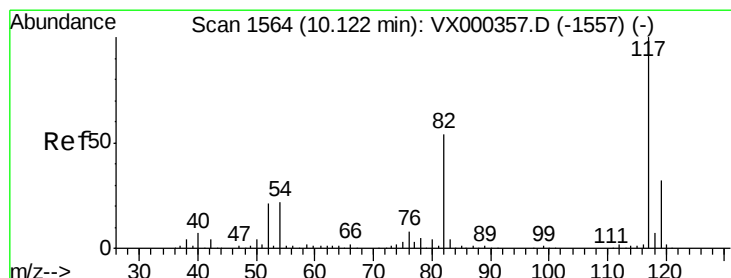
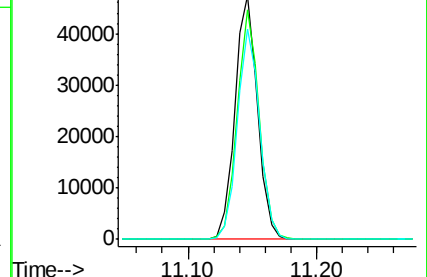
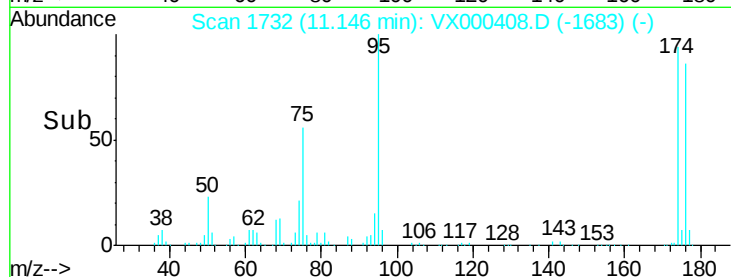
176 85.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000408.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000408.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000408.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

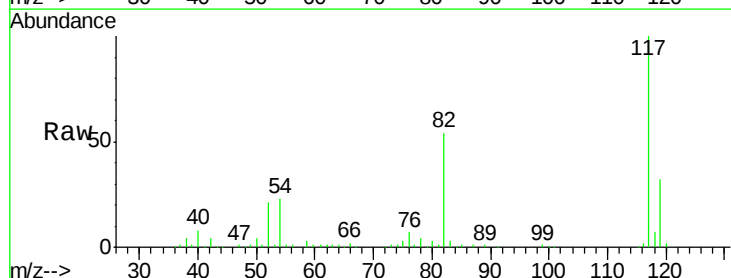
Tgt Ion: 117 Resp: 139910

Ion Ratio Lower Upper

117 100

82 53.6 43.8 65.8

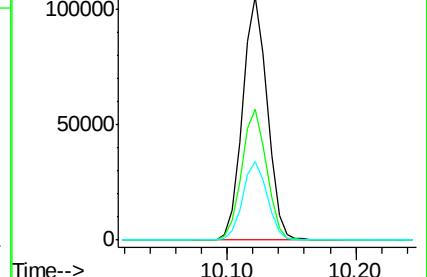
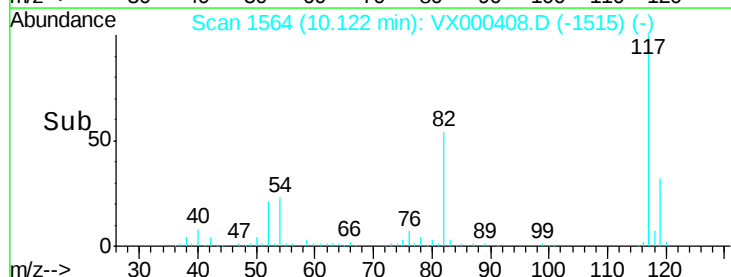
119 32.0 24.9 37.3

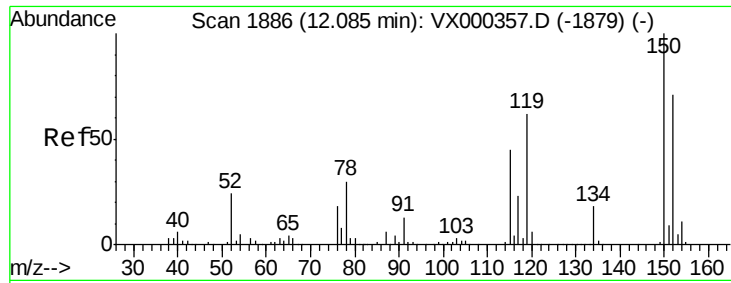


Abundance Ion 116.90 (116.60 to 117.60): VX000408.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000408.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000408.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: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

CARBON-1-031918

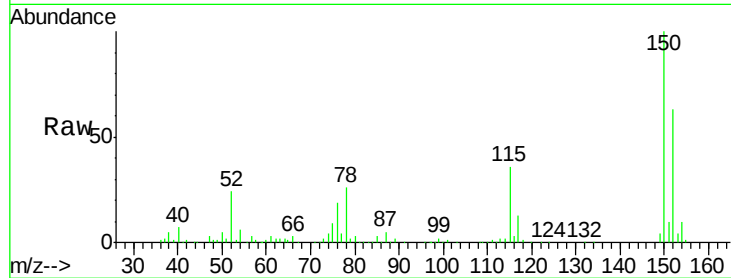
Tgt Ion:152 Resp: 61528

Ion Ratio Lower Upper

152 100

115 55.6 39.8 119.3

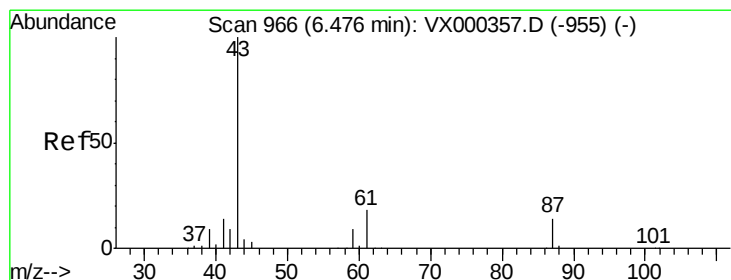
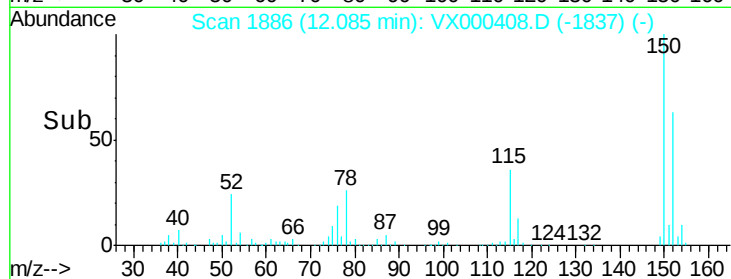
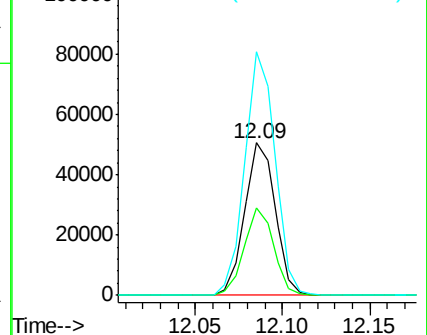
150 158.2 0.0 344.4



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-amyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Tgt Ion: 43 Resp: 20

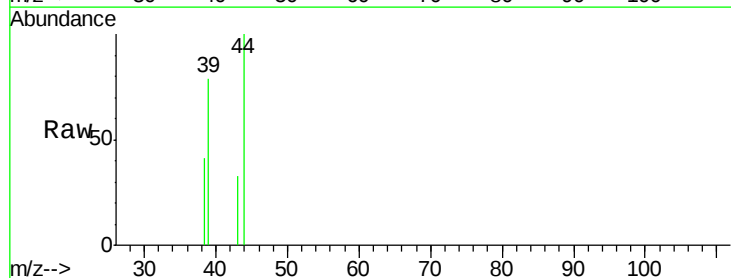
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

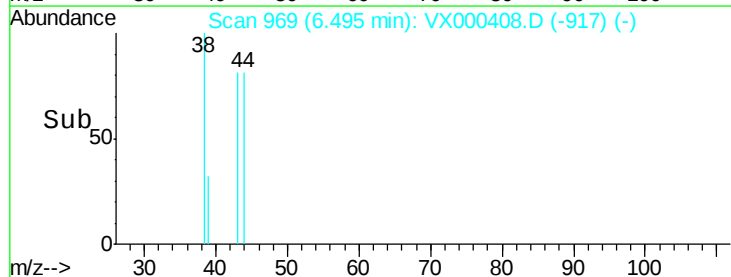
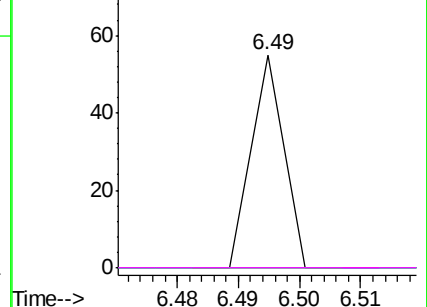


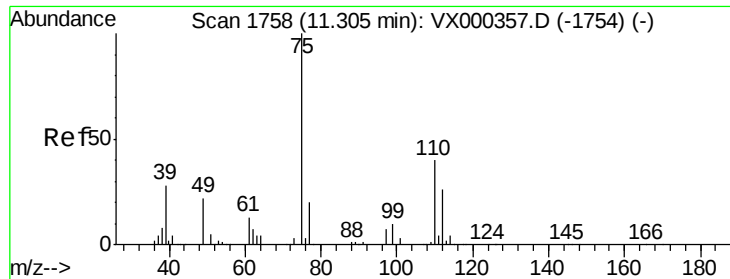
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

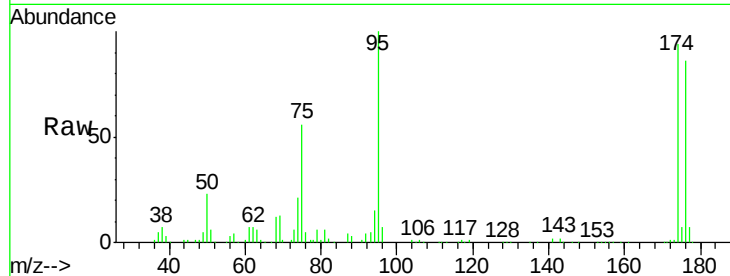
CARBON-1-031918

Tgt Ion: 75 Resp: 33728

Ion Ratio Lower Upper

75 100

77 1.4 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

30000

25000

20000

15000

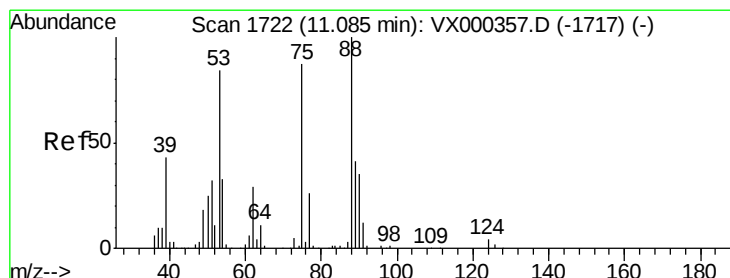
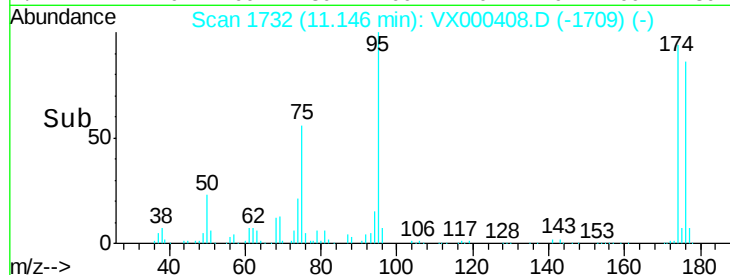
10000

5000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 82.58 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000408.D

Acq: 22 Mar 2018 16:04

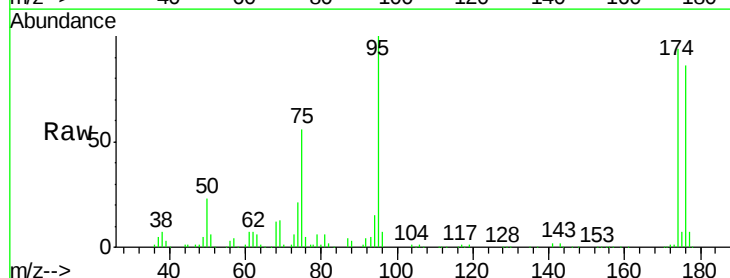
Tgt Ion: 75 Resp: 33728

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

11.15

30000

20000

10000

0

Time-->

11.10 11.15 11.20

