

Data File : VX000409.D

Acq On : 22 Mar 2018 16:29

Operator : JC/MD

Sample : J2005-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CARBON-2-031918

Quant Time: Mar 23 05:44:49 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	87250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	141747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	65872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	61222	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	5.51	113	48755	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	8.73	98	185559	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.15	95	60647	38.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.28%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	580	0.57	ug/l #	71
5) Bromomethane	1.67	94	240	0.23	ug/l #	1
6) Chloroethane	1.74	64	123	Below	Cal #	44
10) Methyl Iodide	2.52	142	85	4.35	ug/l #	62
13) Acrolein	2.46	56	66	15.08	ug/l #	1
16) Acetone	2.45	43	83932	88.59	ug/l	95
18) Methyl Acetate	2.79	43	765	0.39	ug/l #	51
20) Methylene Chloride	2.86	84	339	0.31	ug/l #	84
25) 2-Butanone	4.72	43	15452	14.51	ug/l	98
28) Bromochloromethane	5.18	49	389	0.51	ug/l #	12
29) Tetrahydrofuran	5.18	42	165374	252.40	ug/l	98
31) Cyclohexane	5.68	56	2412	1.68	ug/l #	50
36) 1,1-Dichloropropene	5.68	75	7325	5.18	ug/l #	50
37) Ethyl Acetate	4.72	43	15452	8.01	ug/l #	69
38) Carbon Tetrachloride	5.68	117	8314	5.61	ug/l #	15
41) Methacrylonitrile	5.18	41	98911	97.21	ug/l #	48
51) 4-Methyl-2-Pentanone	8.72	43	962	0.43	ug/l #	1
74) N-amyl acetate	6.54	43	51	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	34996	24.72	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	34996	80.03	ug/l #	9

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

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ClientSampleId :

CARBON-2-031918

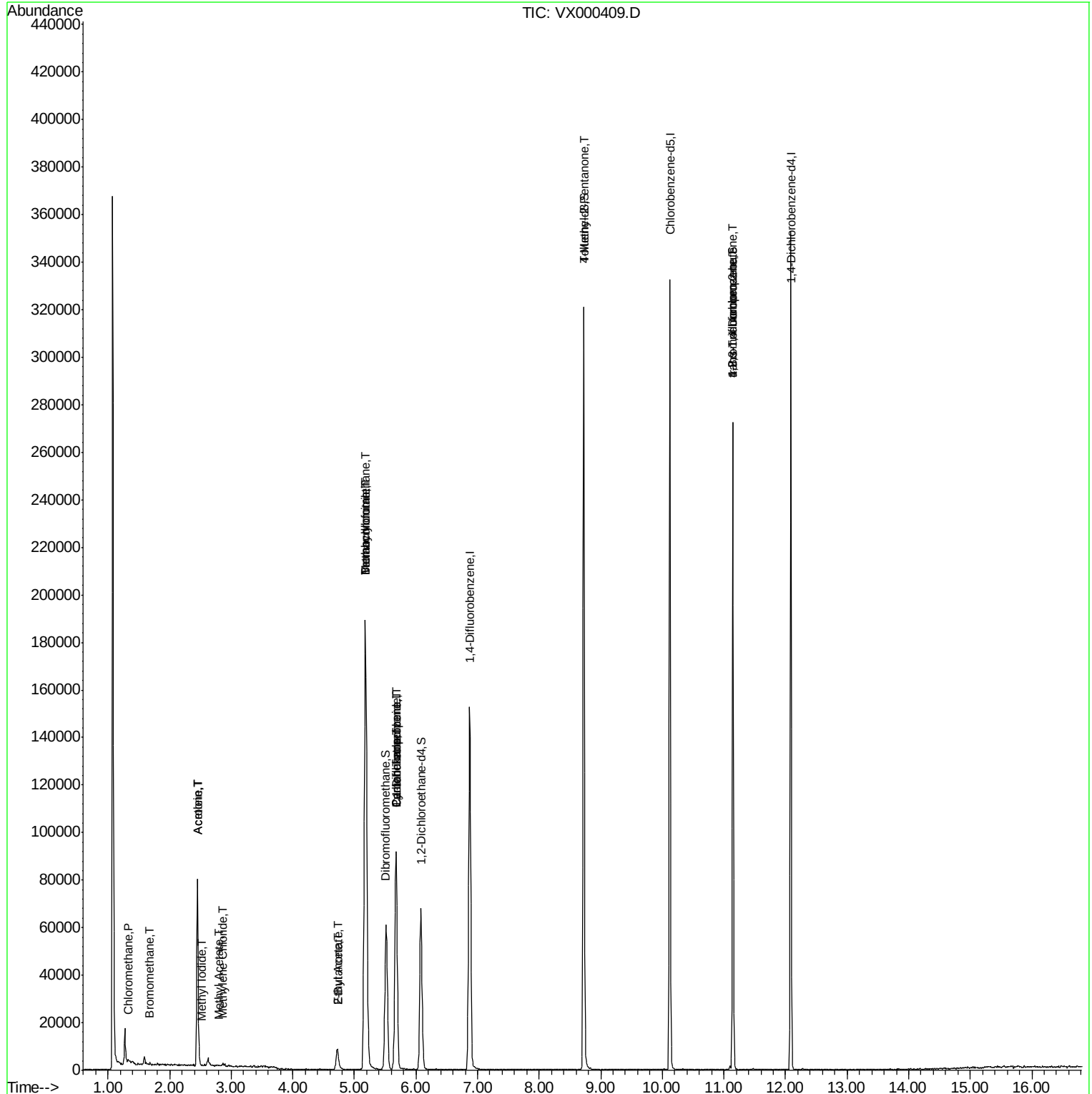
Quant Time: Mar 23 05:44:49 2018

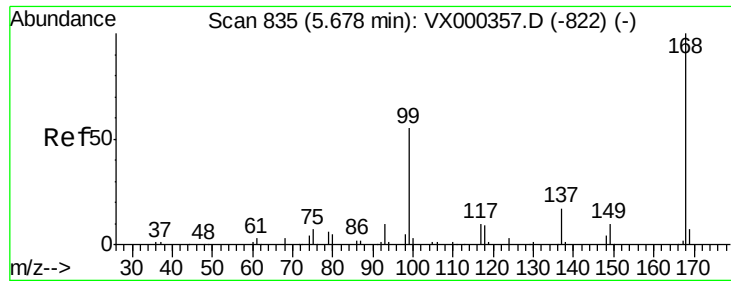
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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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: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

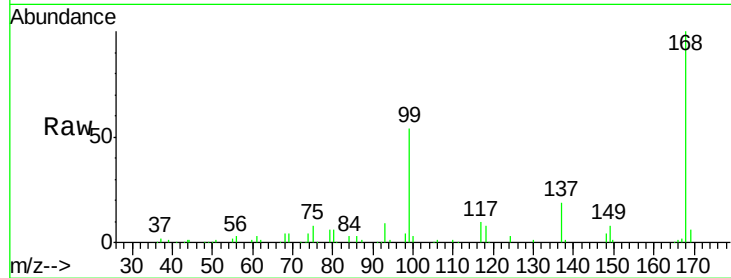
CARBON-2-031918

Tgt Ion:168 Resp: 87250

Ion Ratio Lower Upper

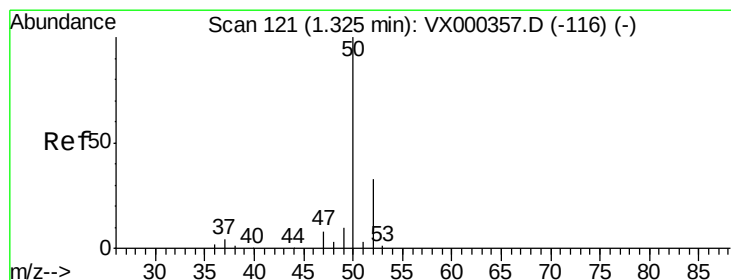
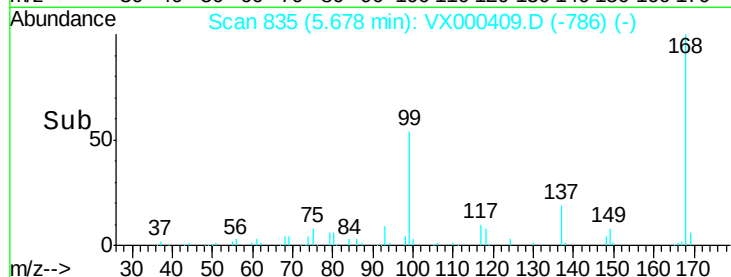
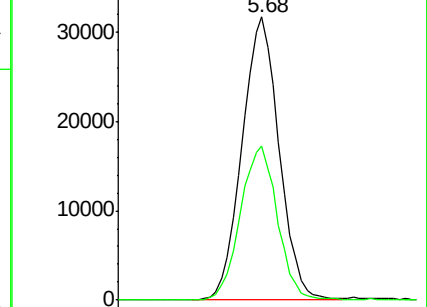
168 100

99 54.5 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: 0.57 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000409.D

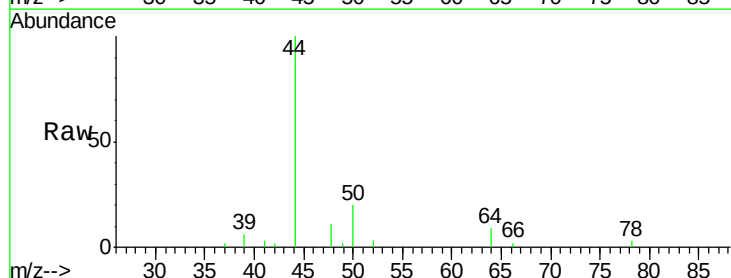
Acq: 22 Mar 2018 16:29

Tgt Ion: 50 Resp: 580

Ion Ratio Lower Upper

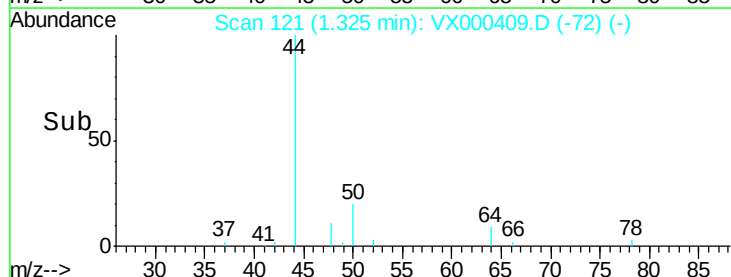
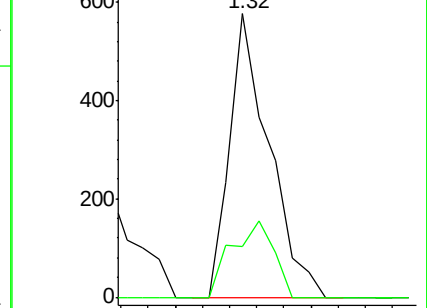
50 100

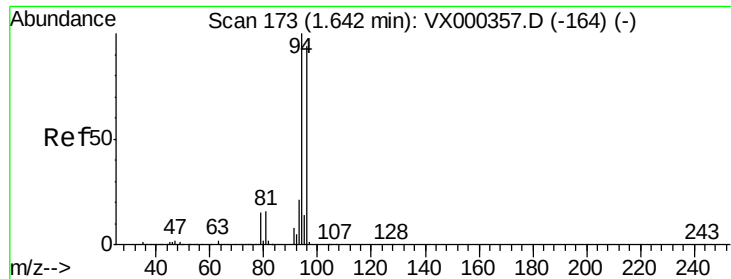
52 17.7 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.23 ug/l

RT: 1.67 min Scan# 178

Delta R.T. 0.03 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

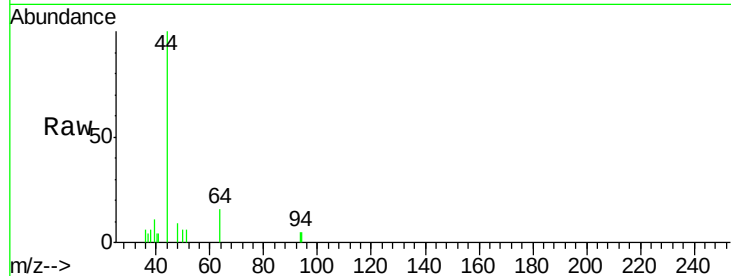
CARBON-2-031918

Tgt Ion: 94 Resp: 240

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

1.67

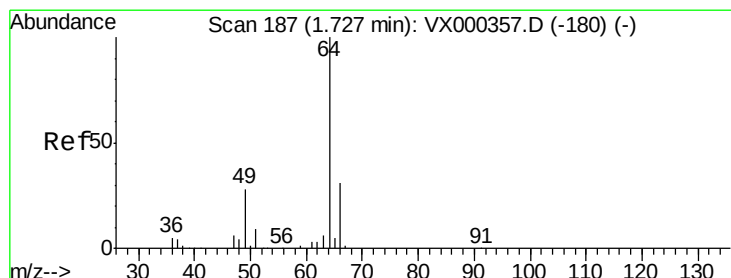
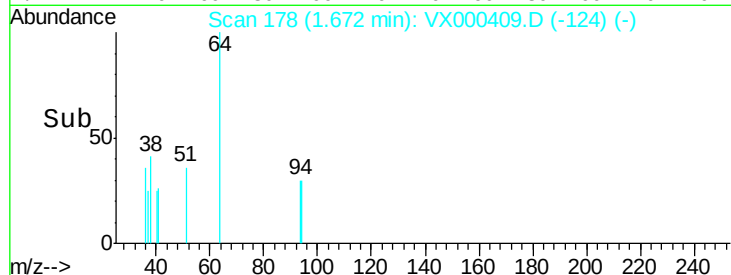
100

50

0

1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000409.D

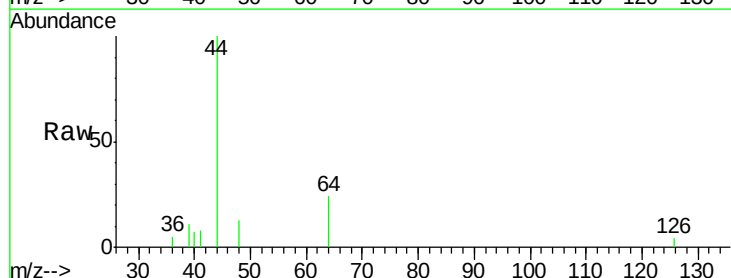
Acq: 22 Mar 2018 16:29

Tgt Ion: 64 Resp: 123

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

1.74

400

300

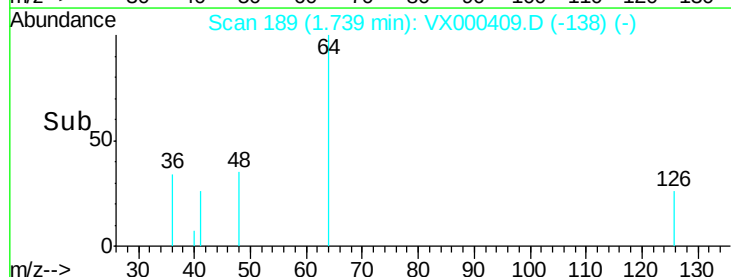
200

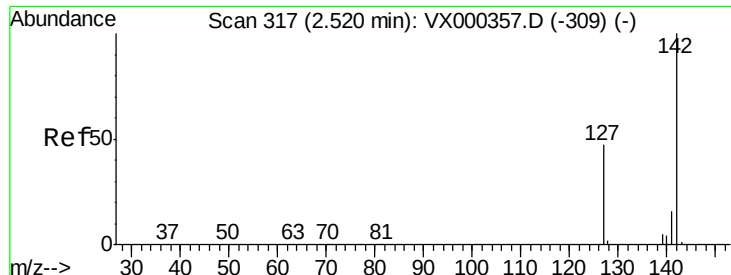
100

0

1.73 1.74 1.75 1.76

Time-->

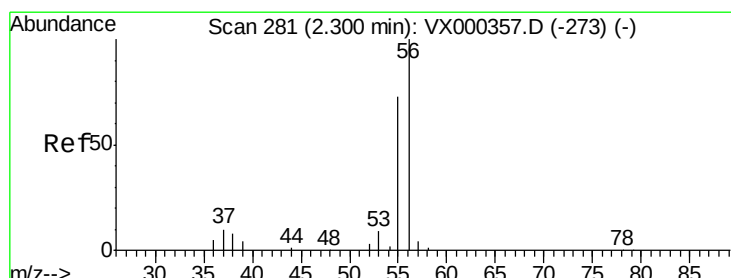
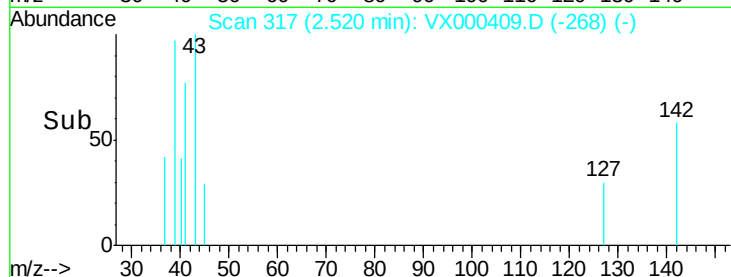
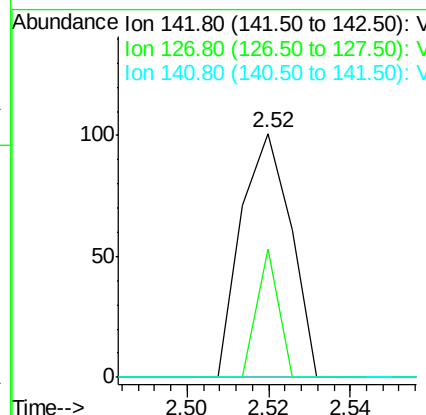
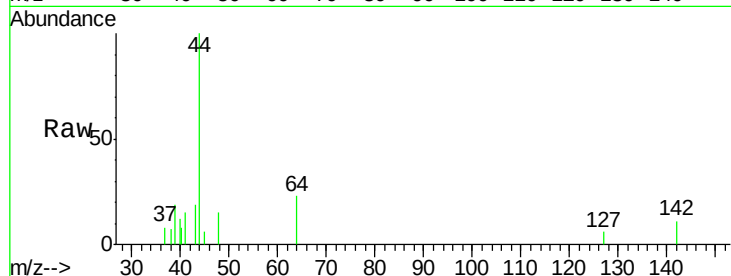




#10
Methyl Iodide
Concen: 4.35 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

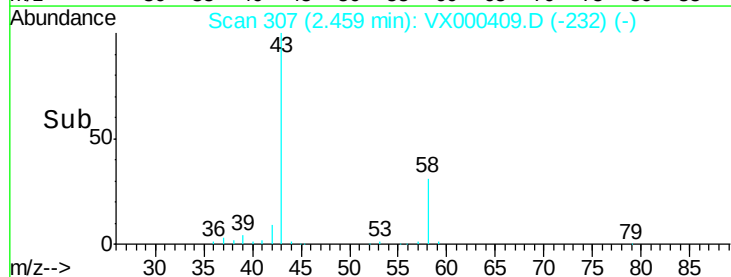
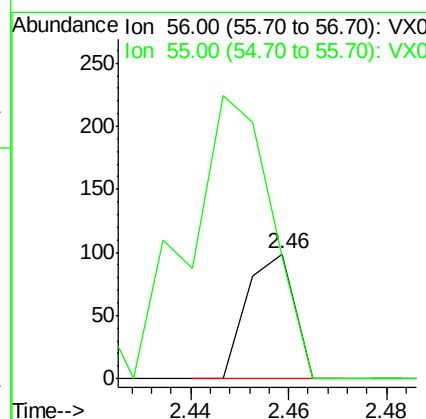
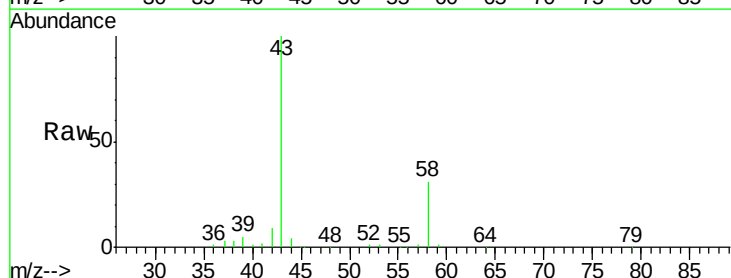
Instrument :
MSVOA_X
ClientSampleId :
CARBON-2-031918

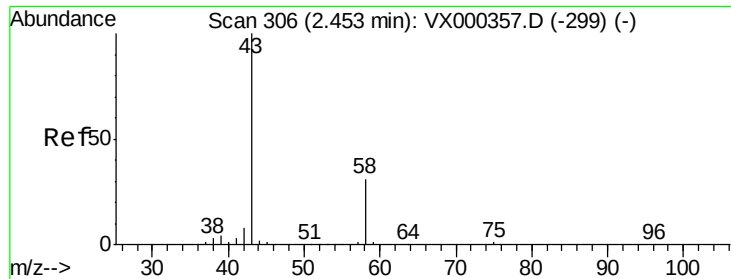
Tgt Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 22.4 39.2 58.8#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 15.08 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.16 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 400.0 58.8 88.2#





#16

Acetone

Concen: 88.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

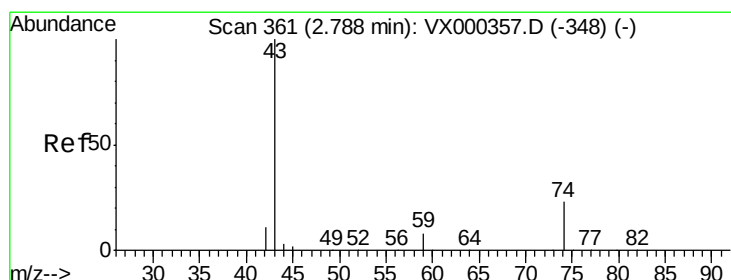
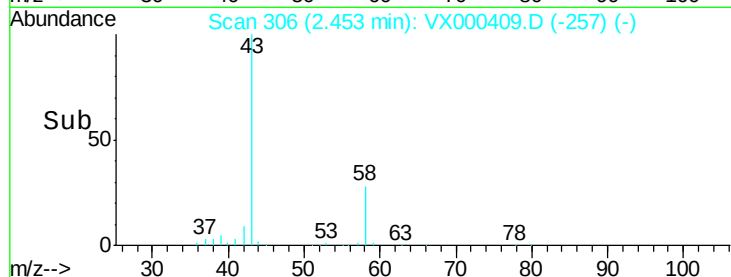
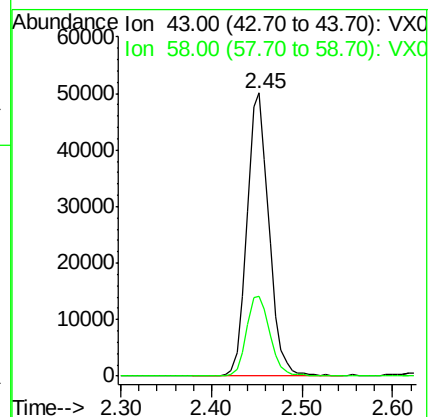
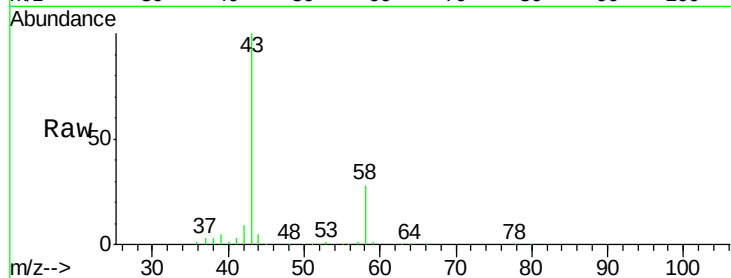
CARBON-2-031918

Tgt Ion: 43 Resp: 83932

Ion Ratio Lower Upper

43 100

58 28.1 24.7 37.1



#18

Methyl Acetate

Concen: 0.39 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX000409.D

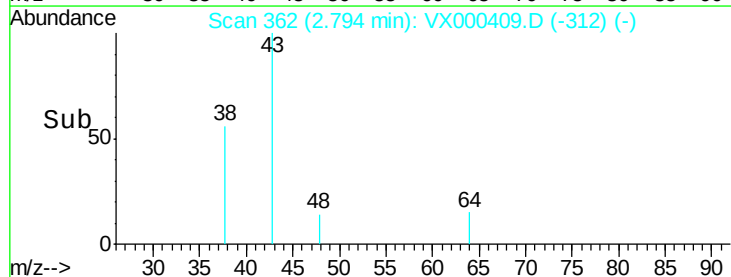
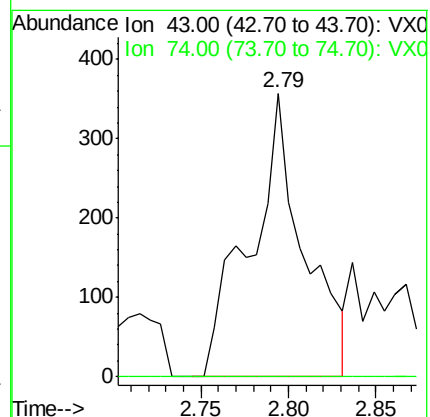
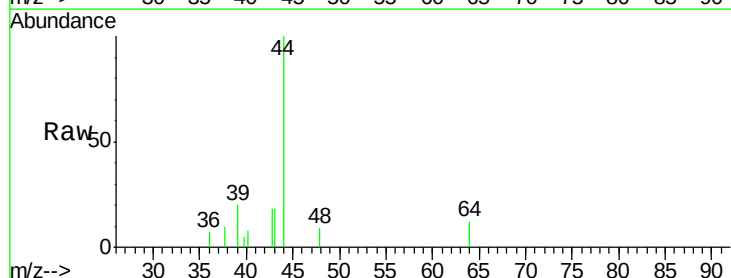
Acq: 22 Mar 2018 16:29

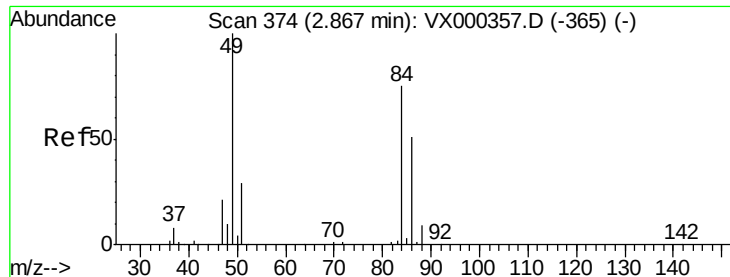
Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

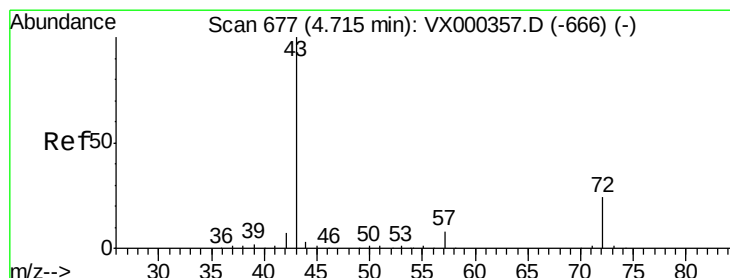
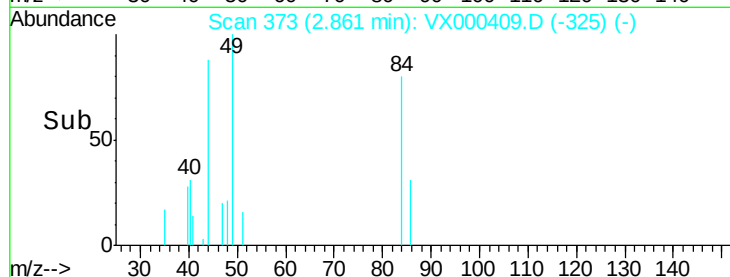
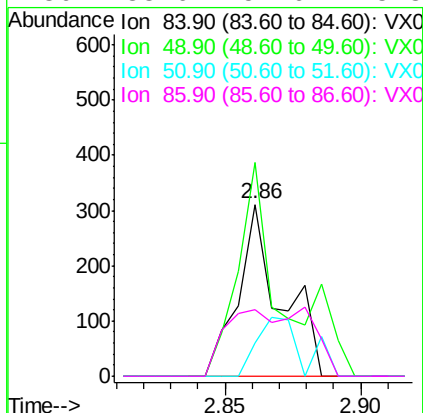
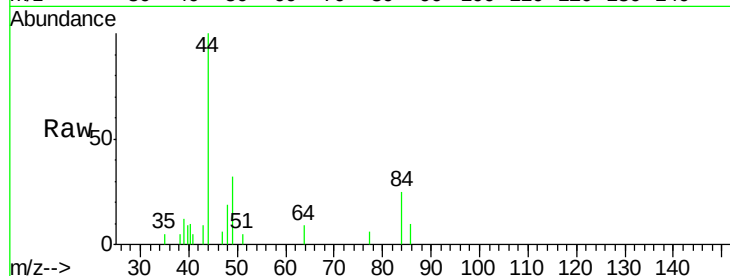




#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

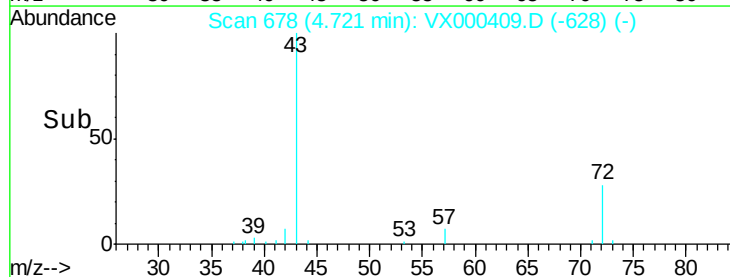
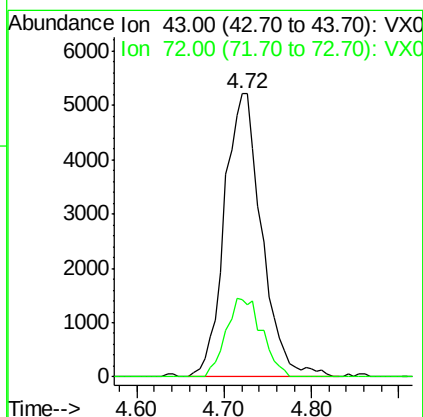
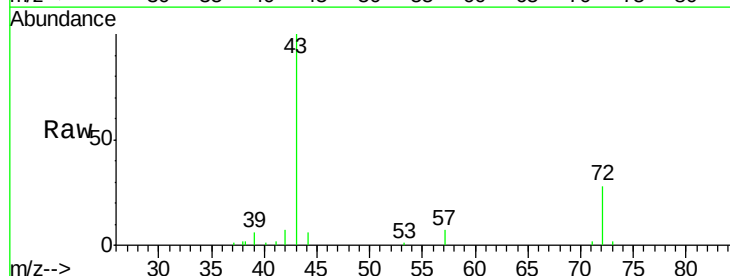
Instrument :
MSVOA_X
ClientSampleId :
CARBON-2-031918

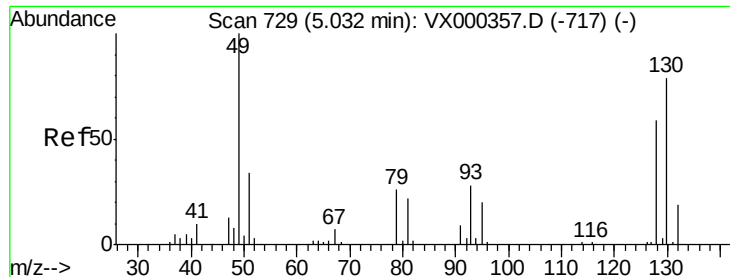
Tgt Ion: 84 Resp: 339
Ion Ratio Lower Upper
84 100
49 124.4 100.6 151.0
51 19.6 31.6 47.4#
86 38.6 52.6 78.8#



#25
2-Butanone
Concen: 14.51 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

Tgt Ion: 43 Resp: 15452
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6





#28

Bromochloromethane

Concen: 0.51 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.15 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

CARBON-2-031918

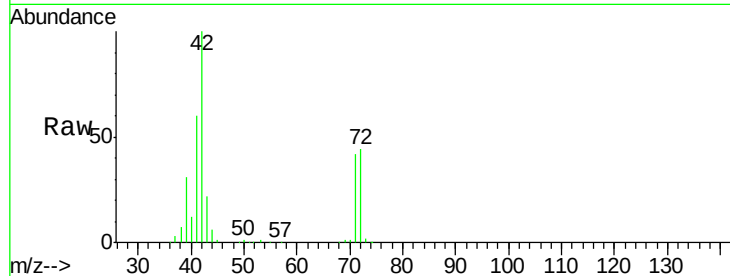
Tgt Ion: 49 Resp: 389

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 0.0 64.0 96.0#

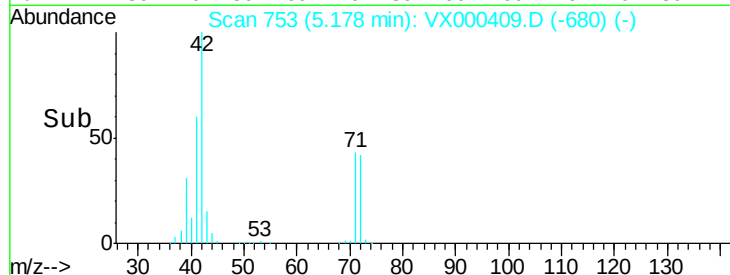


Abundance Ion 48.90 (48.60 to 49.60): VX0

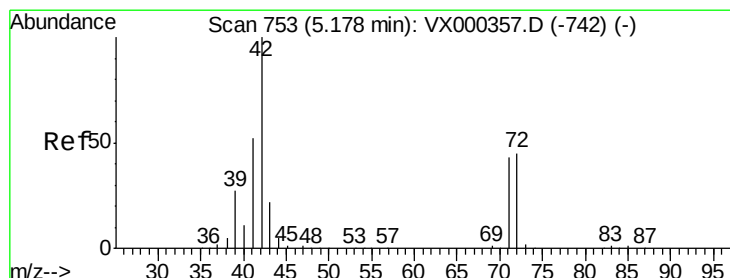
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 252.40 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

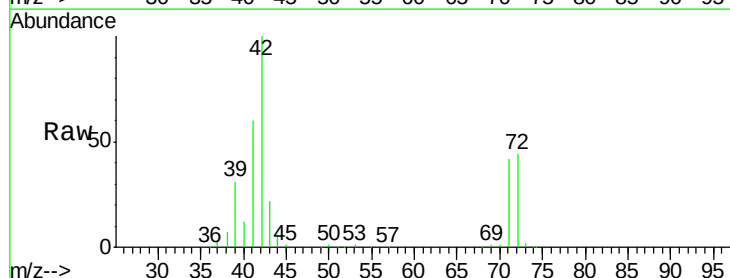
Tgt Ion: 42 Resp: 165374

Ion Ratio Lower Upper

42 100

72 44.7 37.9 56.9

71 43.3 34.4 51.6

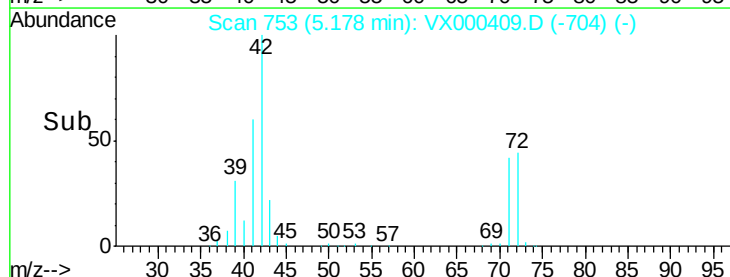


Abundance Ion 42.00 (41.70 to 42.70): VX0

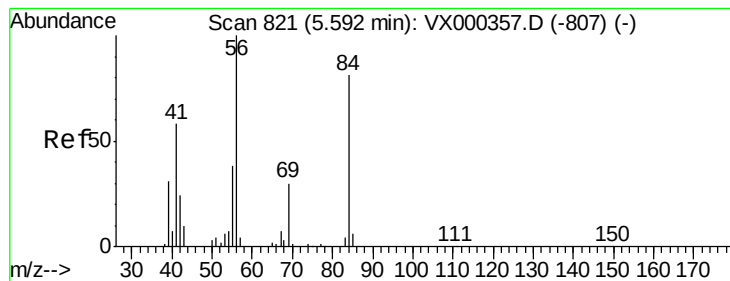
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->



Time-->



#31

Cyclohexane

Concen: 1.68 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

CARBON-2-031918

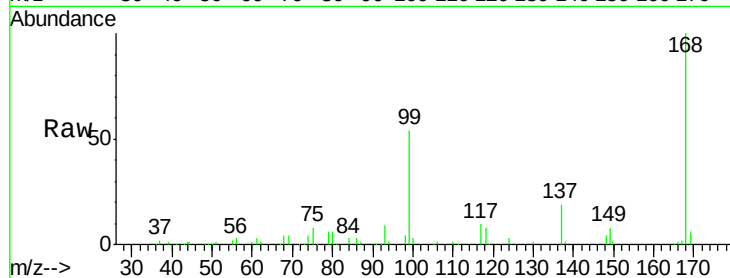
Tgt Ion: 56 Resp: 2412

Ion Ratio Lower Upper

56 100

69 127.3 23.4 35.0#

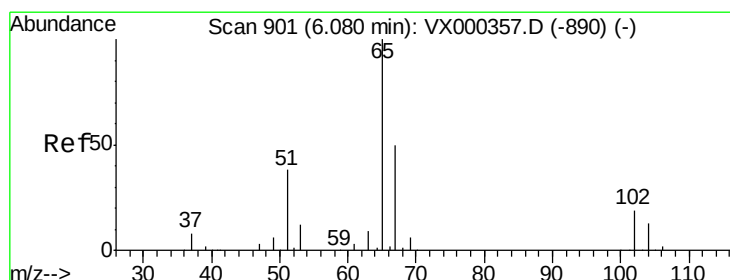
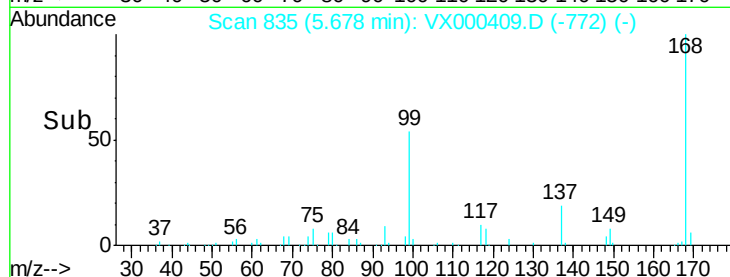
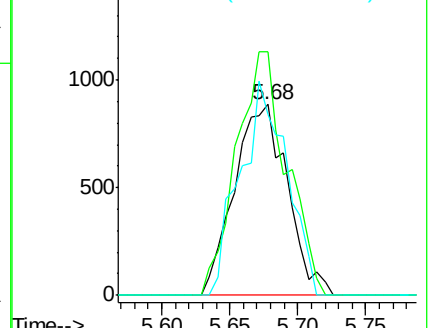
84 94.5 71.0 106.4



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: 53.75 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000409.D

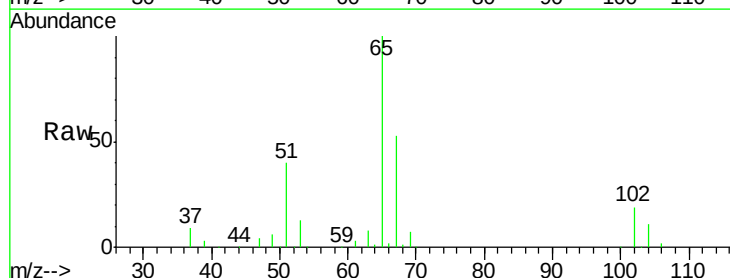
Acq: 22 Mar 2018 16:29

Tgt Ion: 65 Resp: 61222

Ion Ratio Lower Upper

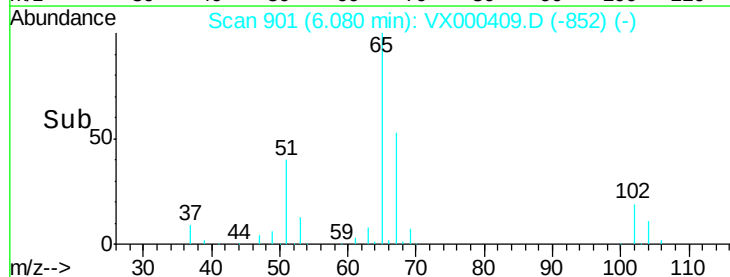
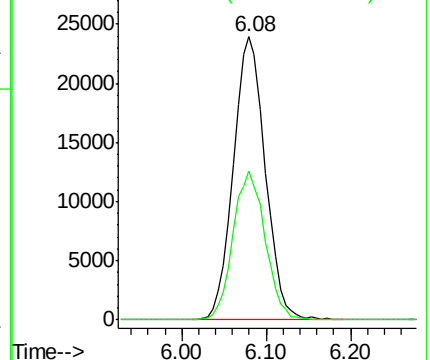
65 100

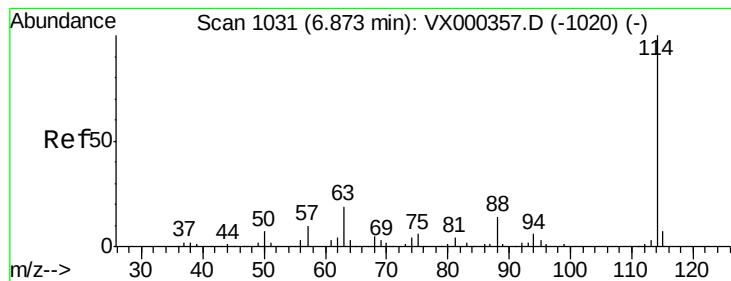
67 53.2 0.0 103.2



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: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

CARBON-2-031918

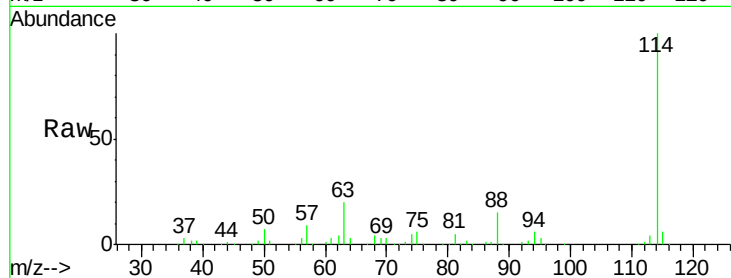
Tgt Ion:114 Resp: 150831

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

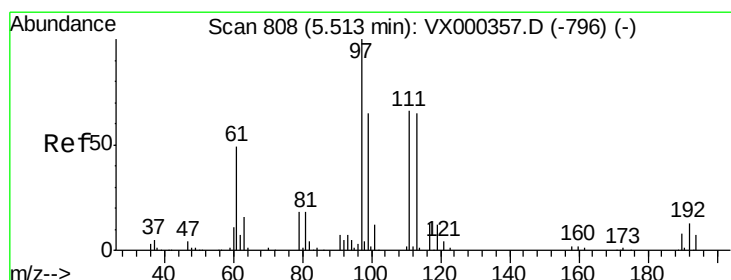
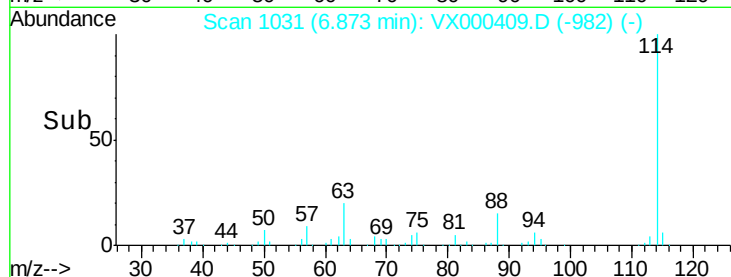
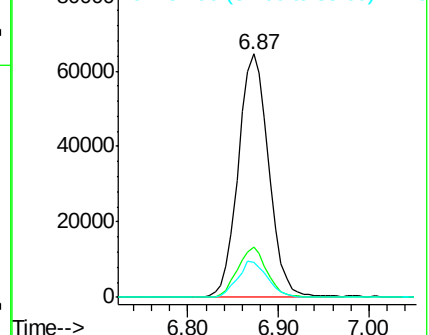
88 14.6 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.30 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

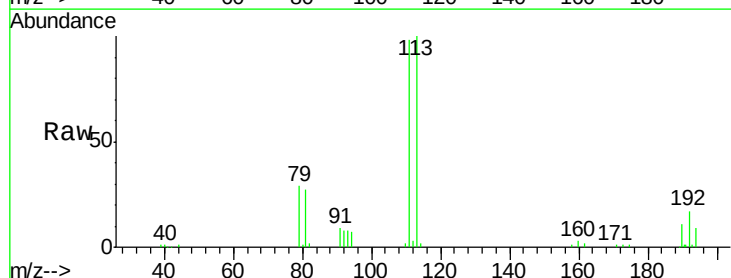
Tgt Ion:113 Resp: 48755

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

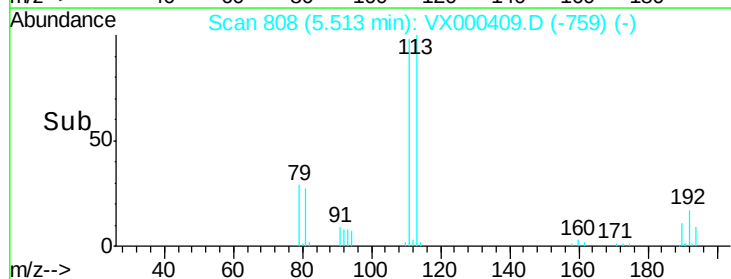
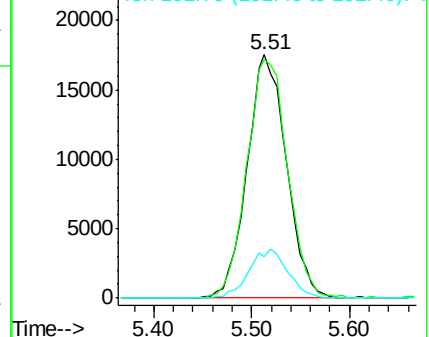
192 19.9 15.8 23.6

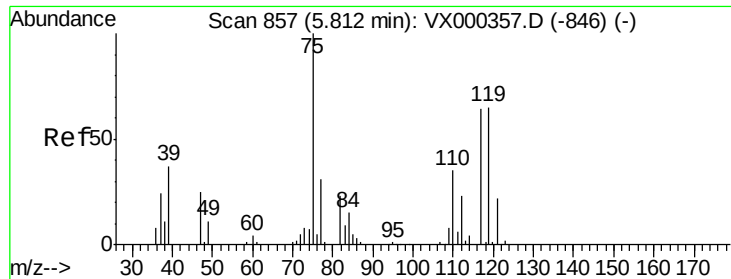


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

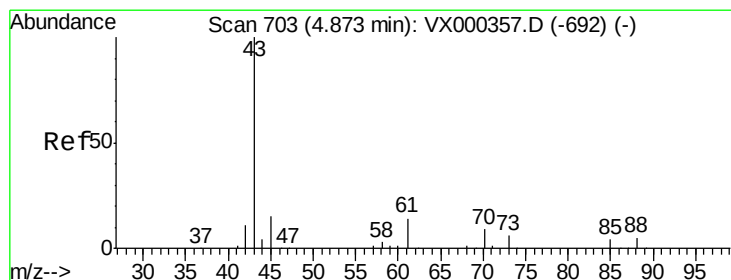
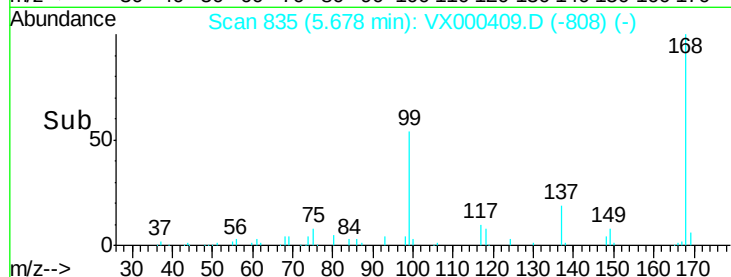
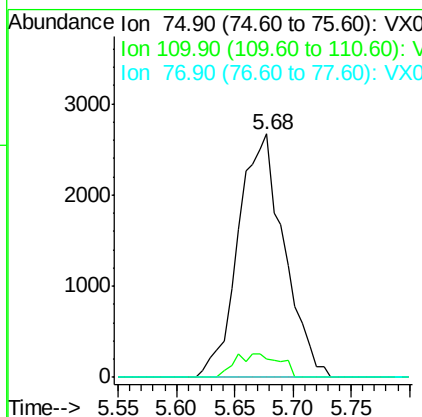
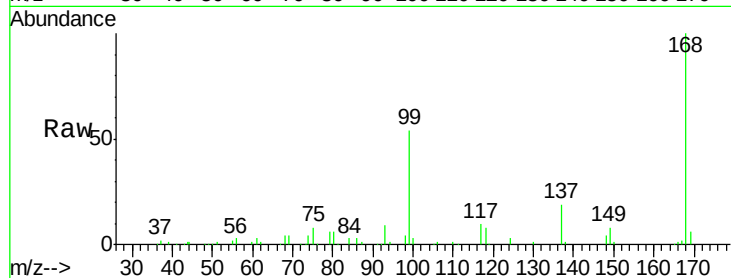




#36
 1,1-Dichloropropene
 Concen: 5.18 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

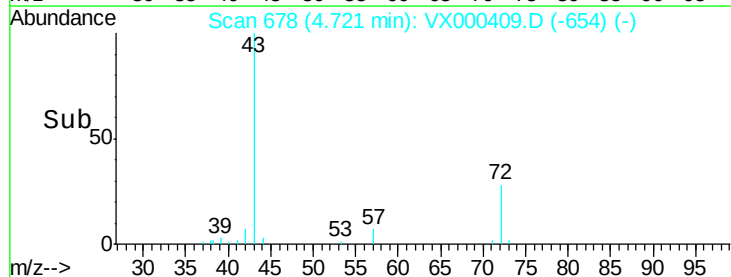
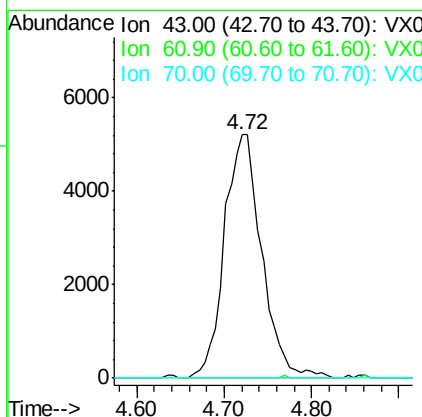
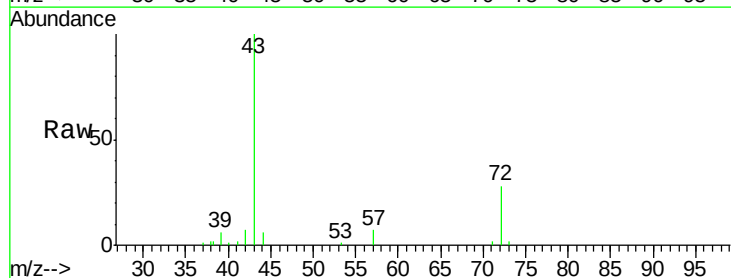
Instrument :
 MSVOA_X
 ClientSampleId :
 CARBON-2-031918

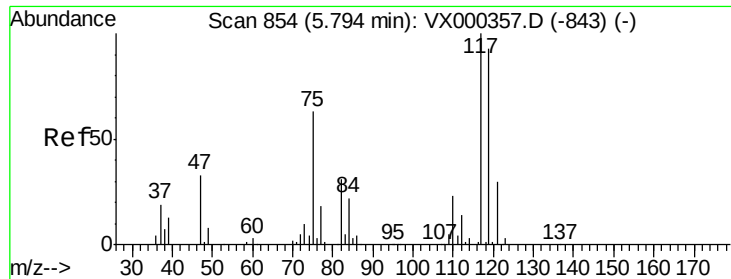
Tgt Ion: 75 Resp: 7325
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.9 53.7#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 8.01 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.15 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

Tgt Ion: 43 Resp: 15452
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 7.7 11.5#

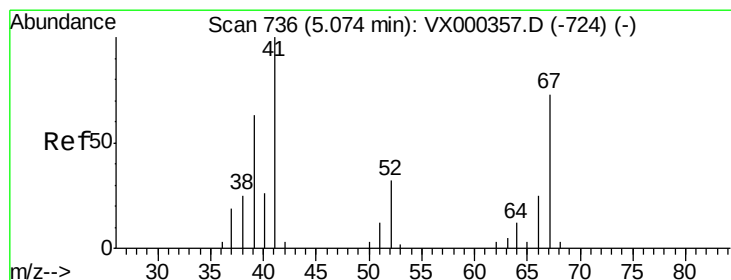
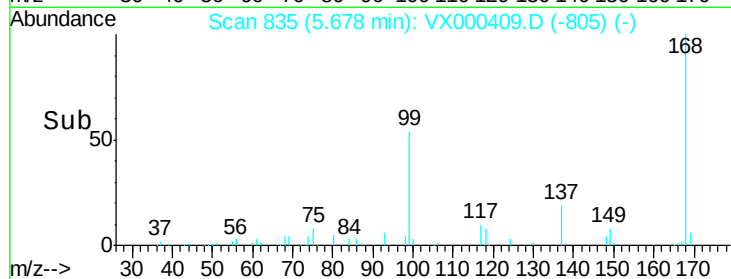
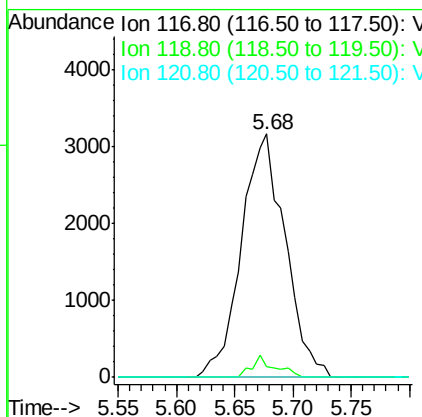
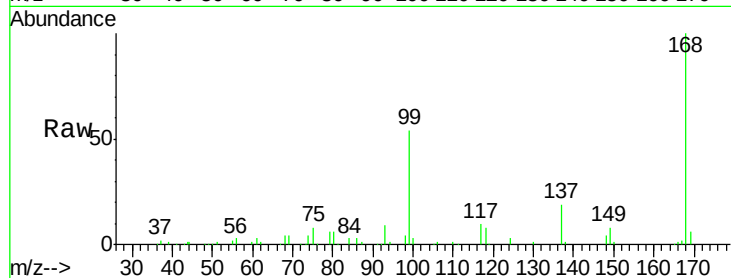




#38
 Carbon Tetrachloride
 Concen: 5.61 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

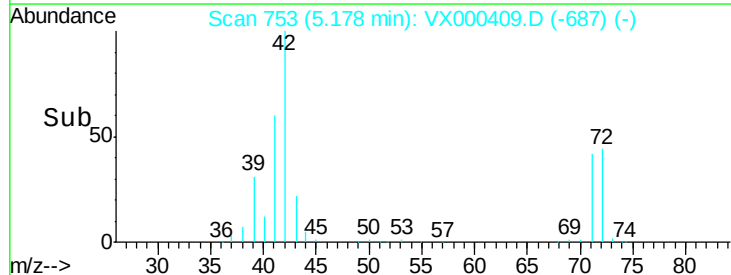
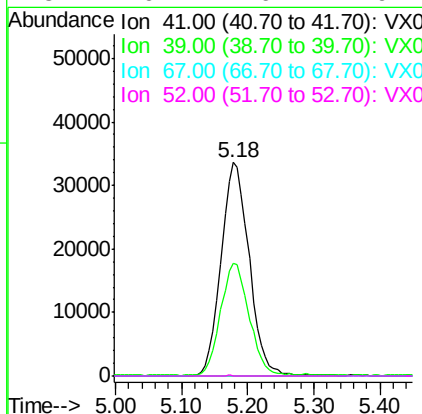
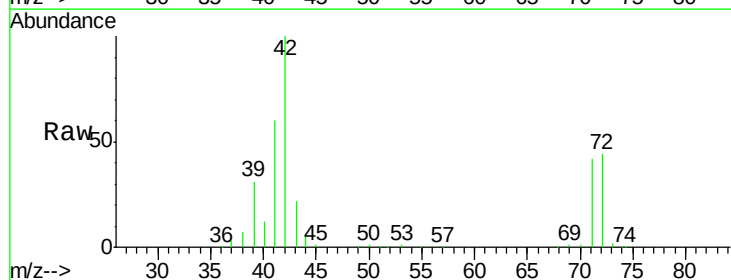
Instrument :
 MSVOA_X
 ClientSampleId :
 CARBON-2-031918

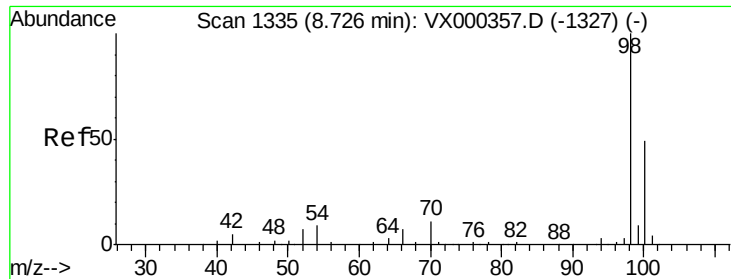
Tgt Ion: 117 Resp: 8314
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.2#
 121 0.0 24.8 37.2#



#41
 Methacrylonitrile
 Concen: 97.21 ug/l
 RT: 5.18 min Scan# 753
 Delta R.T. 0.10 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

Tgt Ion: 41 Resp: 98911
 Ion Ratio Lower Upper
 41 100
 39 53.2 45.7 68.5
 67 0.0 57.8 86.8#
 52 0.1 26.7 40.1#

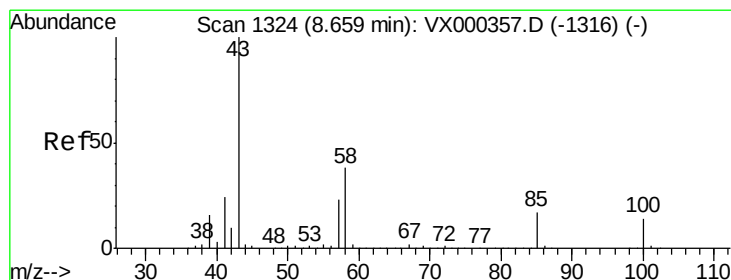
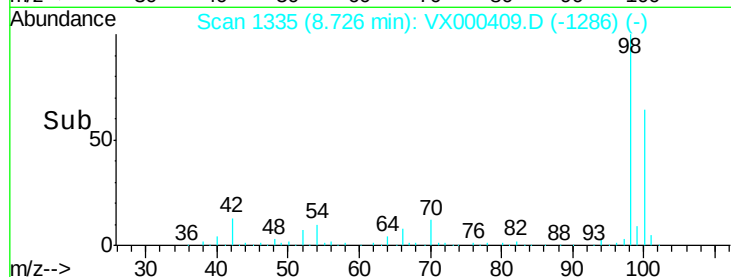
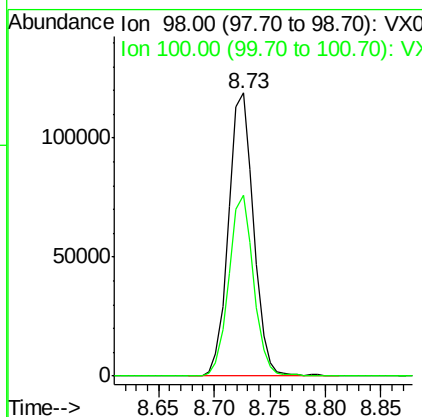
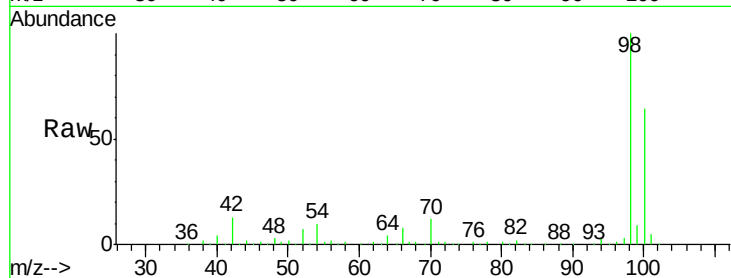




#50
Toluene-d8
Concen: 47.14 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

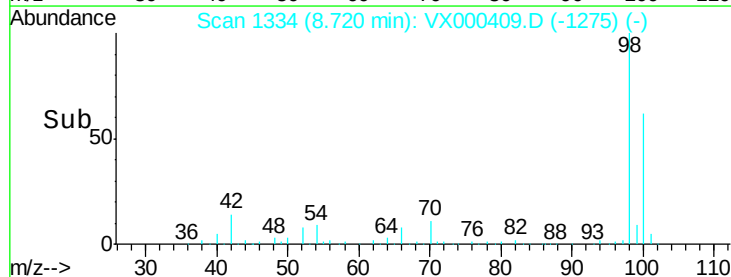
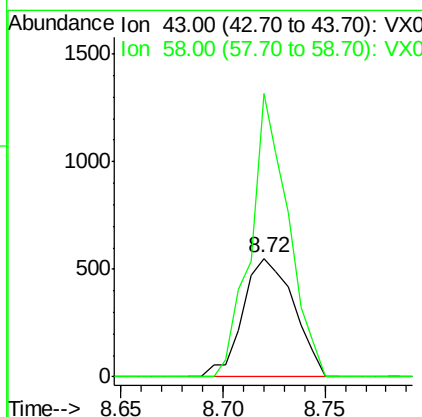
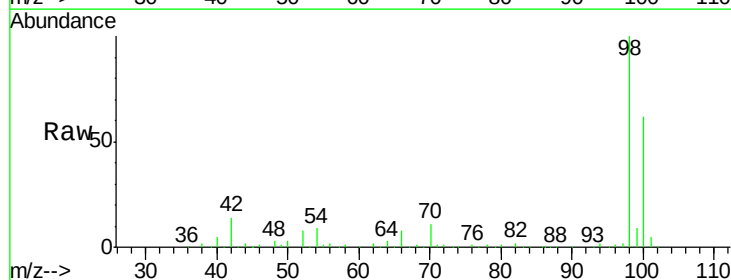
Instrument :
MSVOA_X
ClientSampleId :
CARBON-2-031918

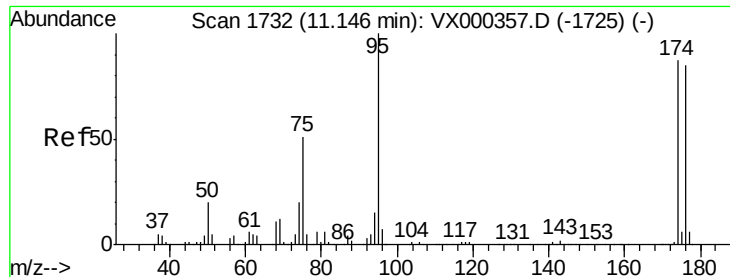
Tgt Ion: 98 Resp: 185559
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000409.D
Acq: 22 Mar 2018 16:29

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 176.8 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 38.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

CARBON-2-031918

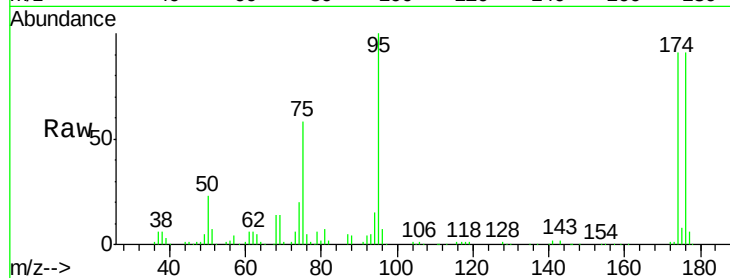
Tgt Ion: 95 Resp: 60647

Ion Ratio Lower Upper

95 100

174 89.0 0.0 173.6

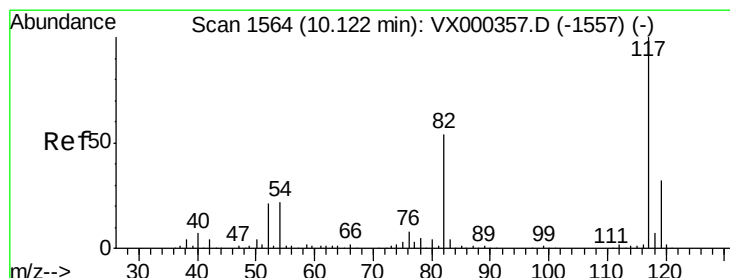
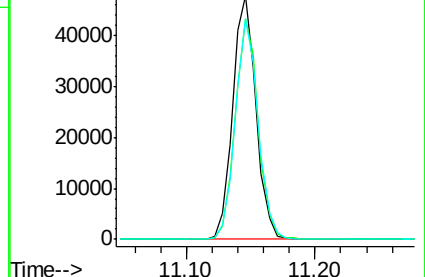
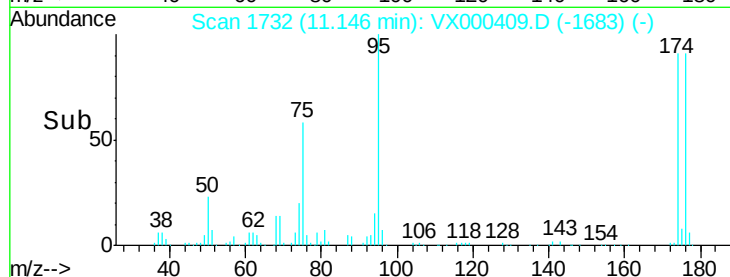
176 88.5 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000409.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000409.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000409.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

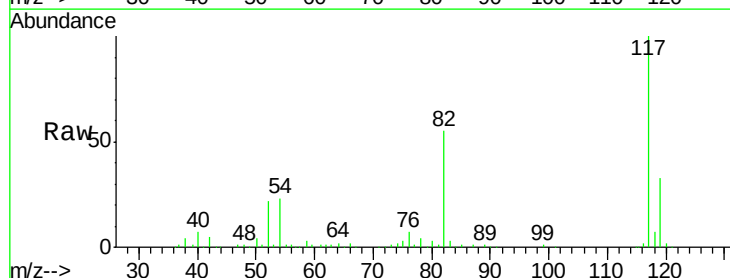
Tgt Ion: 117 Resp: 141747

Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.8

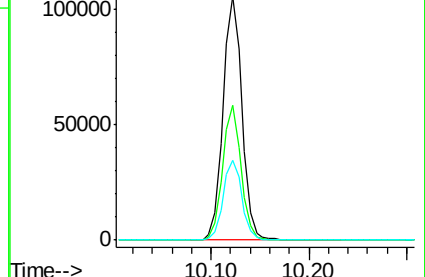
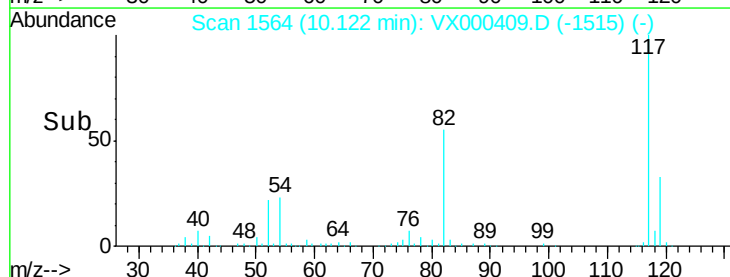
119 32.8 24.9 37.3

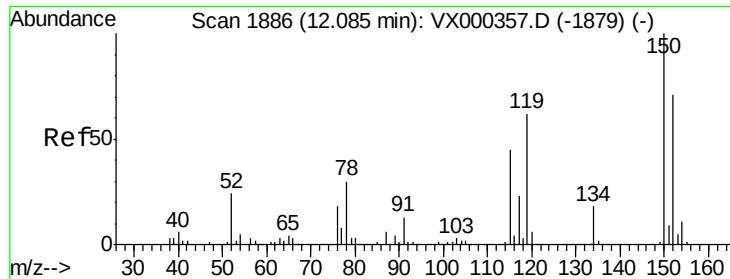


Abundance Ion 116.90 (116.60 to 117.60): VX000409.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000409.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000409.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: VX000409.D

Acq: 22 Mar 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

CARBON-2-031918

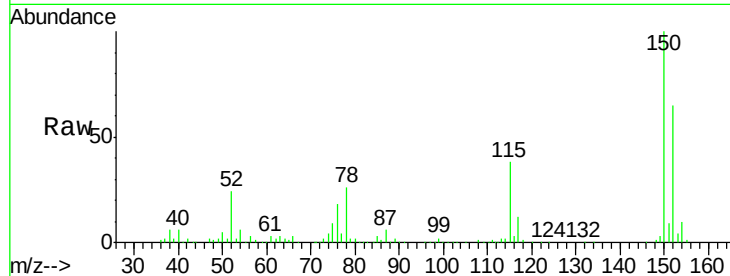
Tgt Ion:152 Resp: 65872

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

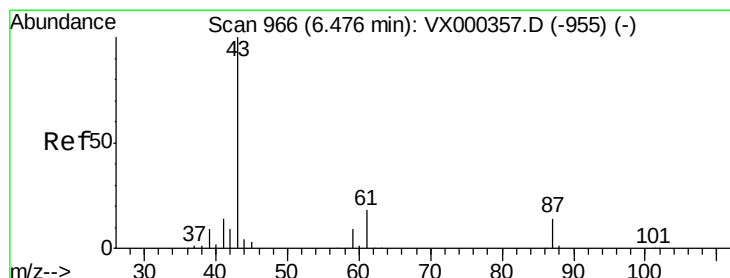
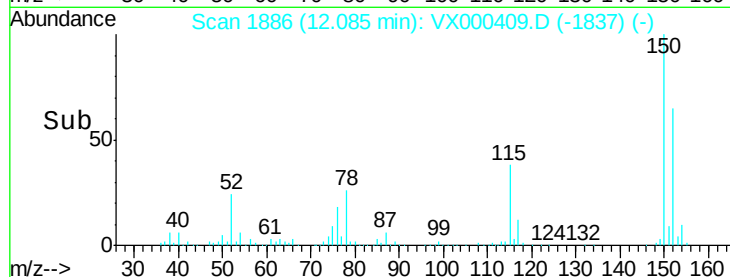
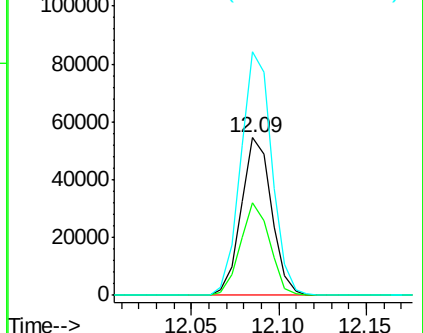
150 157.8 0.0 344.4



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: 6.54 min Scan# 977

Delta R.T. 0.07 min

Lab File: VX000409.D

Acq: 22 Mar 2018 16:29

Tgt Ion: 43 Resp: 51

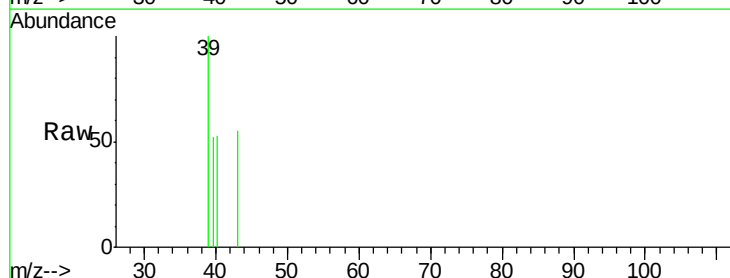
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

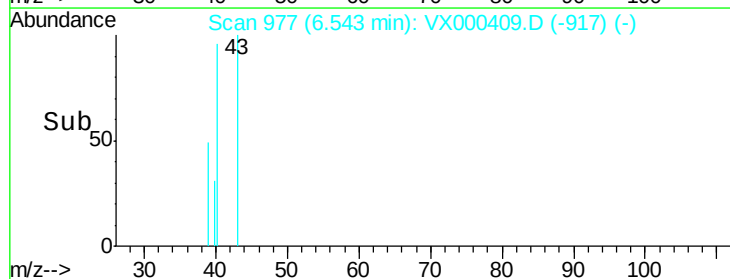
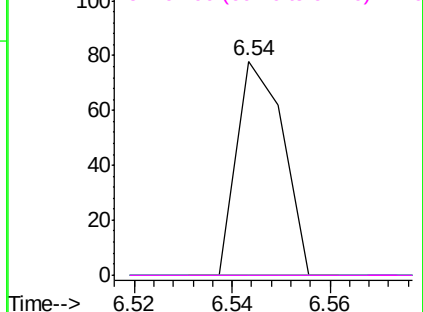


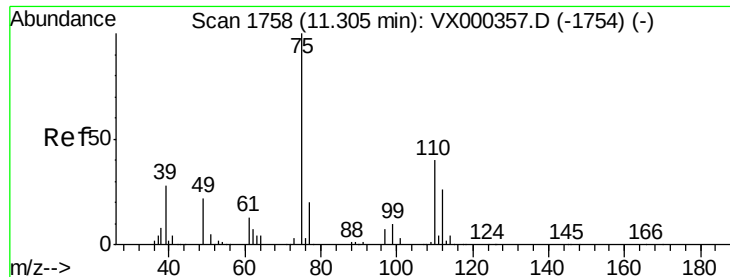
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

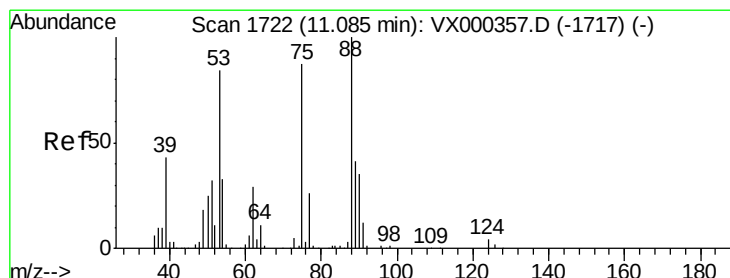
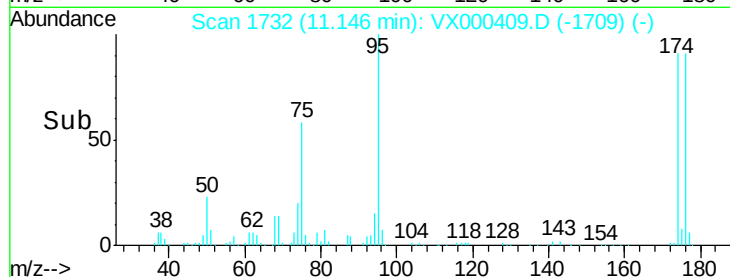
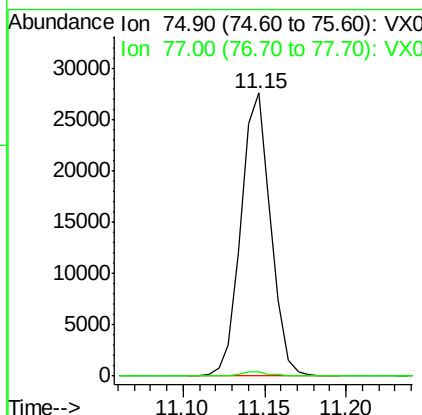
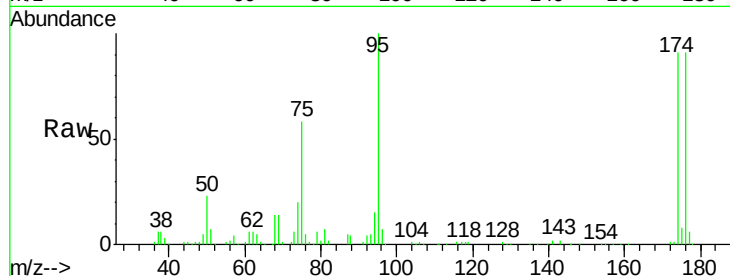




#76
 1,2,3-Trichloropropane
 Concen: 24.72 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 CARBON-2-031918

Tgt Ion: 75 Resp: 34996
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.03 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000409.D
 Acq: 22 Mar 2018 16:29

Tgt Ion: 75 Resp: 34996
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

