

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003004.D
 Acq On : 28 Jun 2018 23:38
 Operator : JC/MD
 Sample : J3737-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BEL-01

Quant Time: Jun 29 06:01:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	48333	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	260381	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	242847	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	110955	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	11.14	95	113916	28.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.67%
63) Toluene-d8	8.72	98	301184	28.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.63%

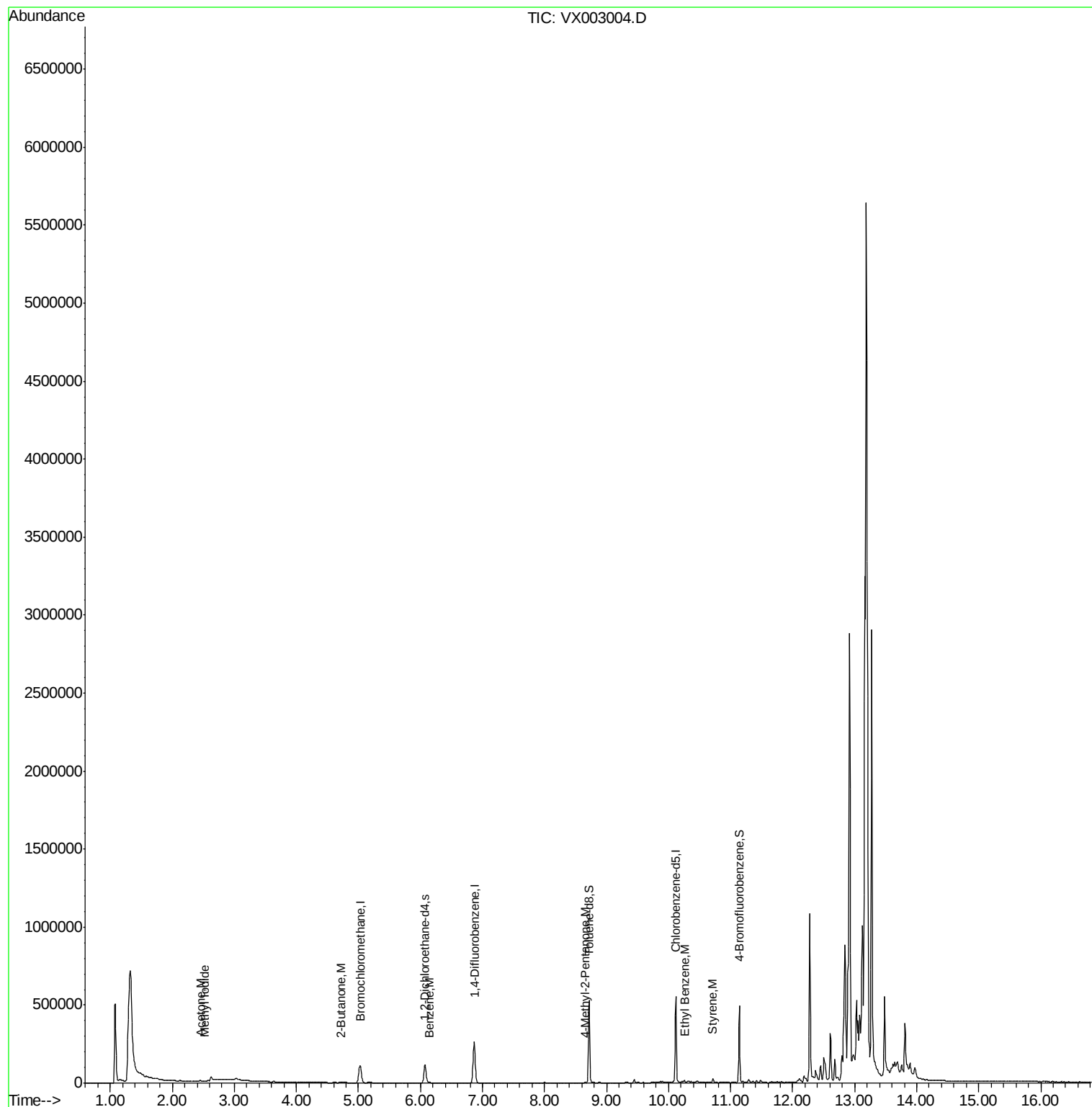
Target Compounds					Ovalue
11) Methyl Iodide	2.52	142	2441	0.85 ug/l	90
15) Acetone	2.45	58	2798	6.60 ug/l #	63
30) 2-Butanone	4.71	43	9238	4.59 ug/l #	97
34) Benzene	6.15	78	2931	0.28 ug/l #	77
58) 4-Methyl-2-Pentanone	8.65	43	1802	0.44 ug/l #	93
66) Ethyl Benzene	10.26	91	7005	0.53 ug/l	93
69) Styrene	10.71	104	9532	1.14 ug/l #	88

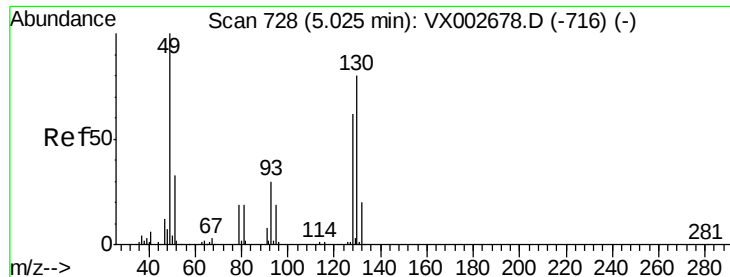
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

BEL-01

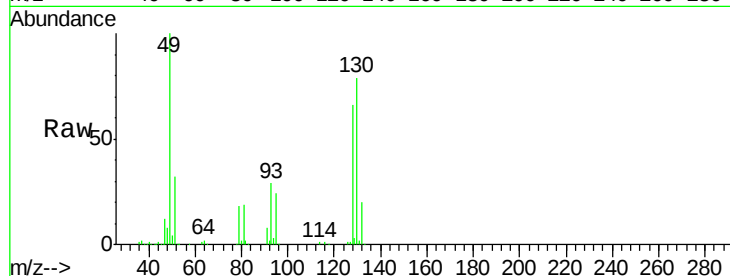
Tot Ion:128 Resp: 48333

Ion Ratio Lower Upper

128 100

49 155.1 0.0 423.0

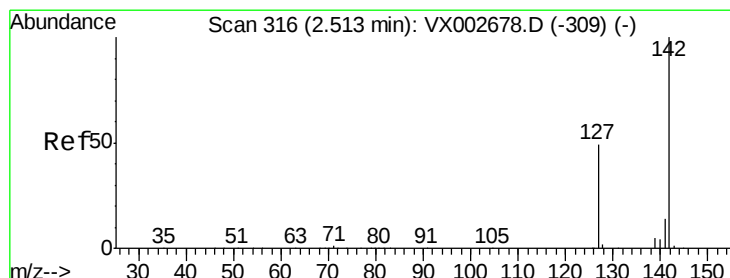
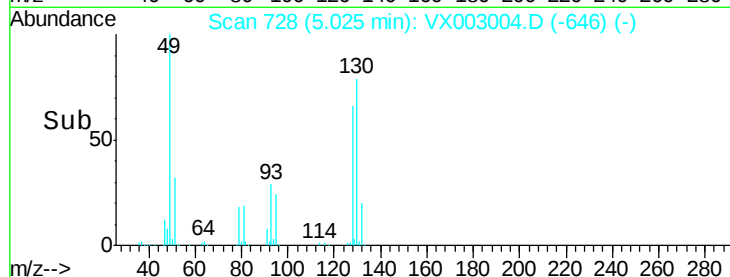
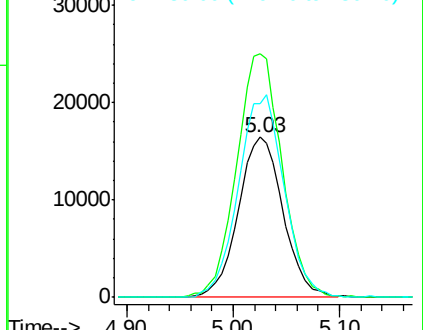
130 129.5 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 0.85 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

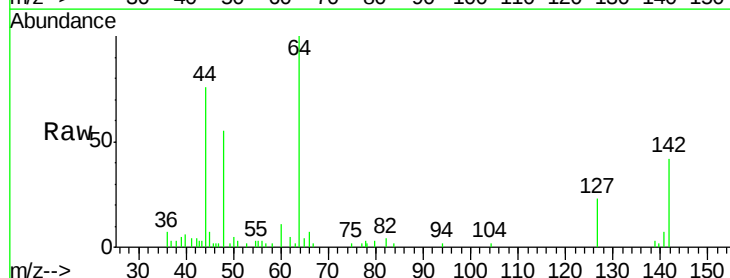
Tgt Ion:142 Resp: 2441

Ion Ratio Lower Upper

142 100

127 54.0 23.2 69.6

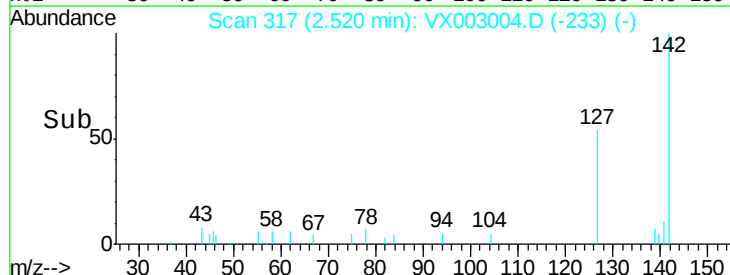
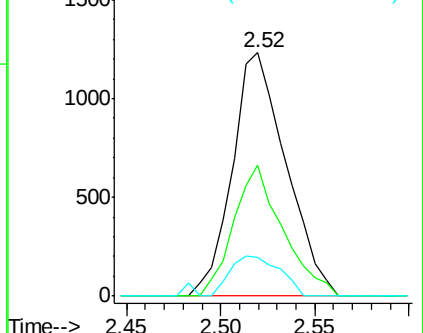
141 13.4 7.4 22.2

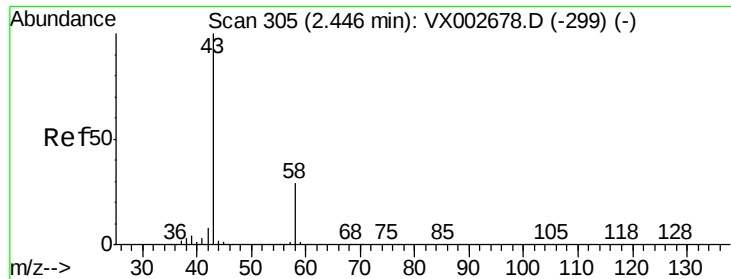


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#15

Acetone

Concen: 6.60 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

Instrument :

MSVOA_X

ClientSampled :

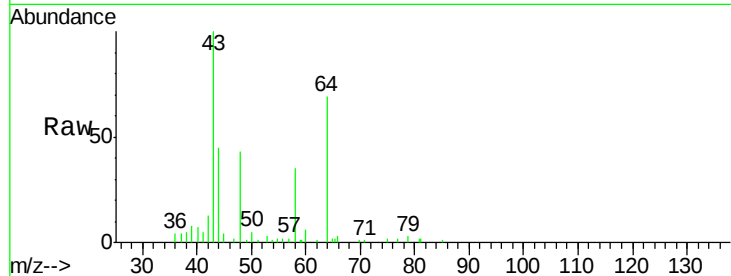
BEL-01

Tot Ion: 58 Resp: 2798

Ion Ratio Lower Upper

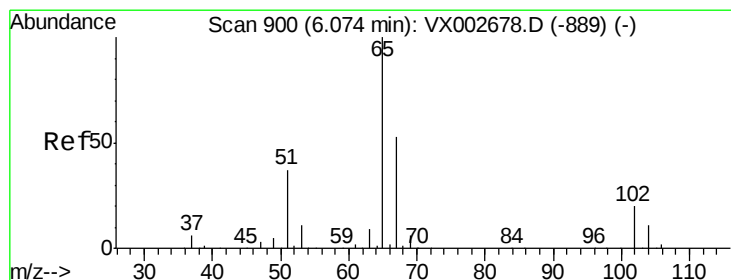
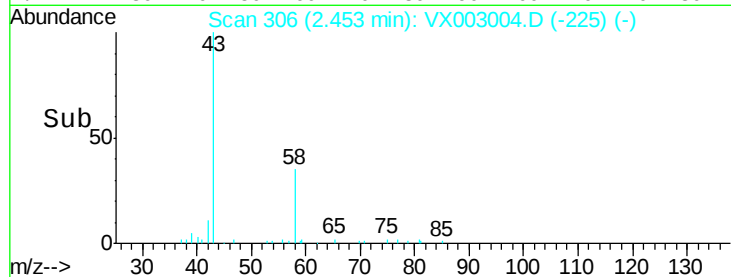
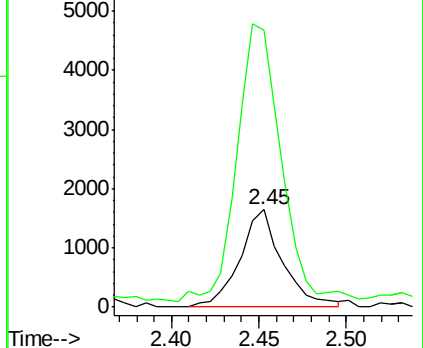
58 100

43 267.7 278.8 418.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 30.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003004.D

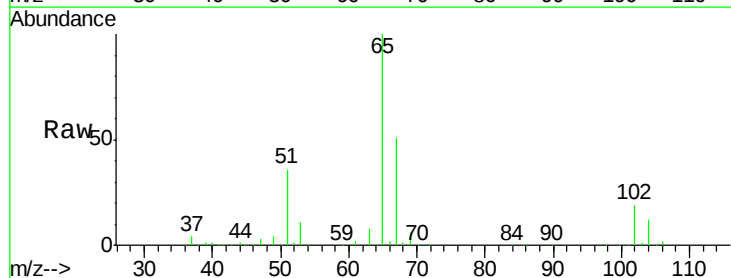
Acq: 28 Jun 2018 23:38

Tgt Ion: 65 Resp: 110955

Ion Ratio Lower Upper

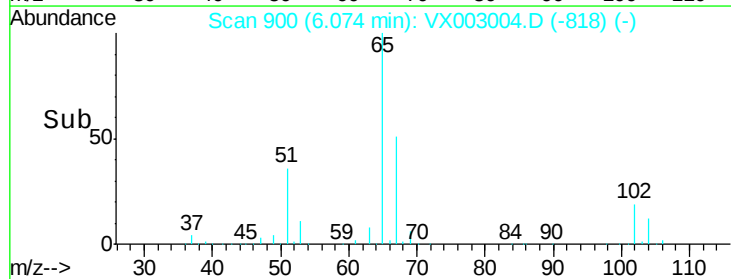
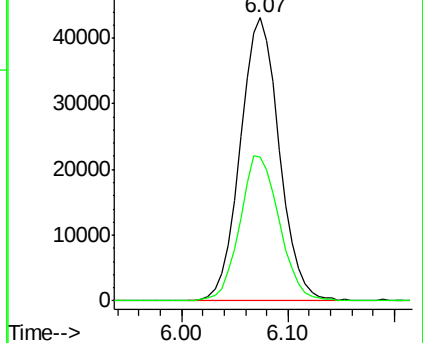
65 100

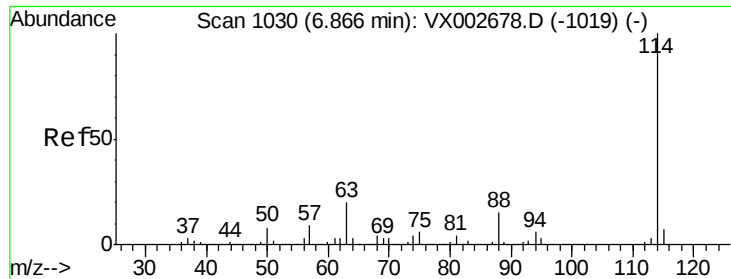
67 51.8 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

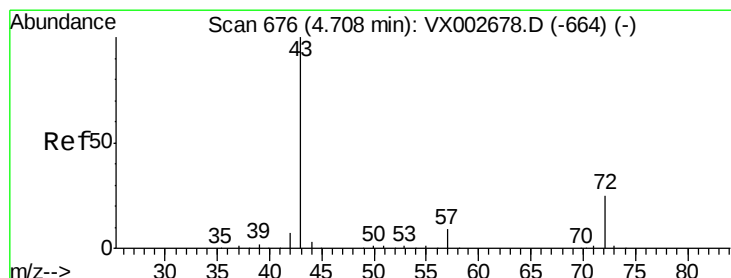
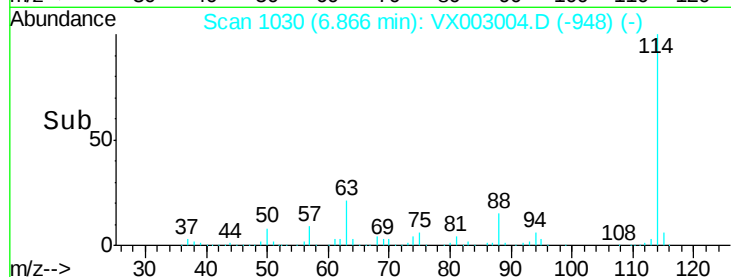
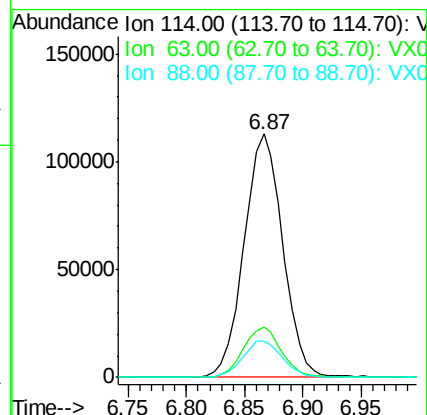
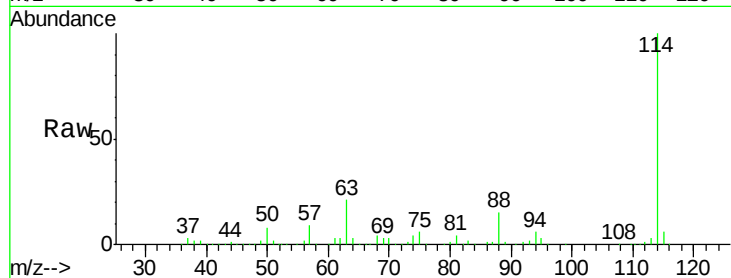




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003004.D
 Acq: 28 Jun 2018 23:38

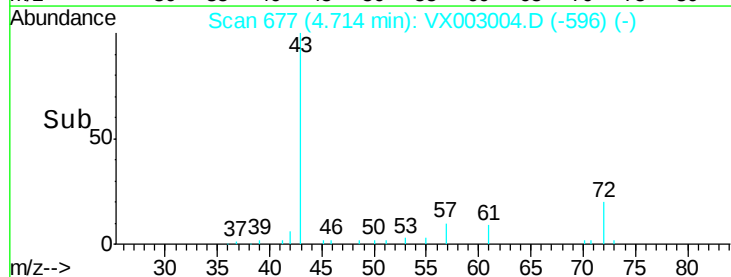
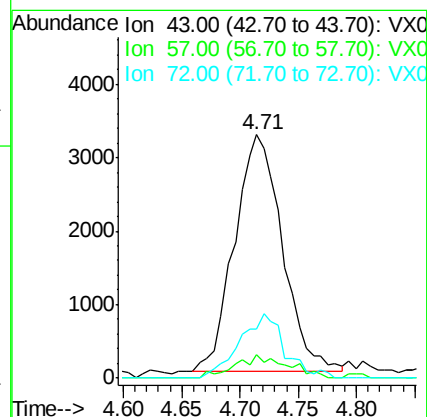
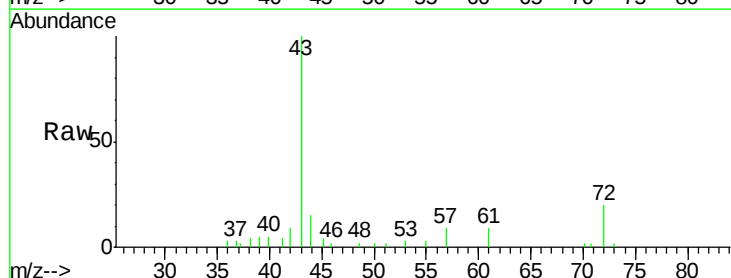
Instrument :
 MSVOA_X
 ClientSampled :
 BEL-01

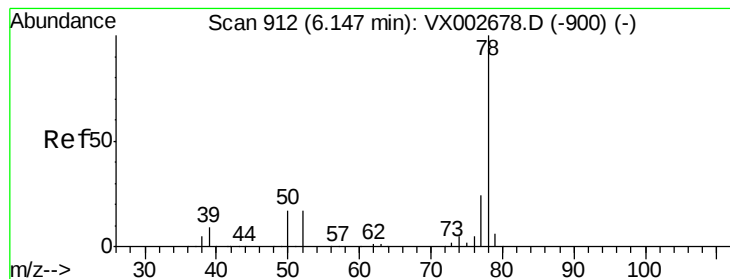
Tot Ion:114 Resp: 260381
 Ion Ratio Lower Upper
 114 100
 63 20.5 17.1 25.7
 88 15.3 12.6 19.0



#30
 2-Butanone
 Concen: 4.59 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX003004.D
 Acq: 28 Jun 2018 23:38

Tgt Ion: 43 Resp: 9238
 Ion Ratio Lower Upper
 43 100
 57 5.1 6.1 9.1#
 72 23.2 18.1 27.1





#34

Benzene

Concen: 0.28 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

Instrument :

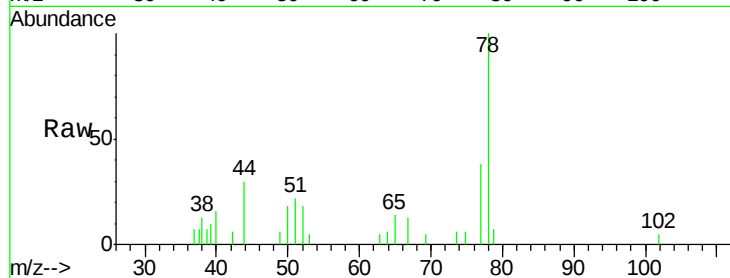
MSVOA_X

ClientSampled :

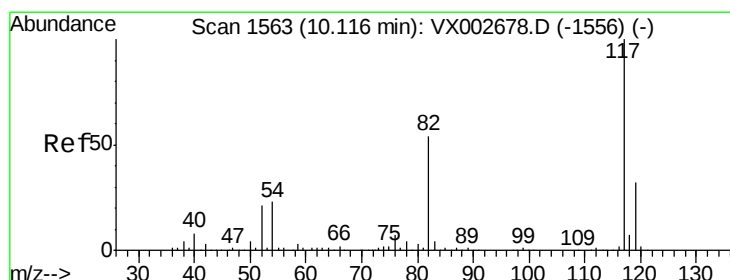
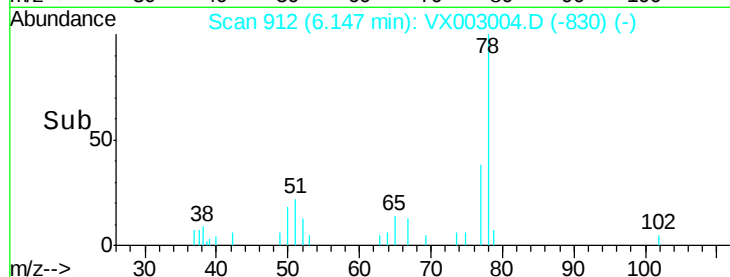
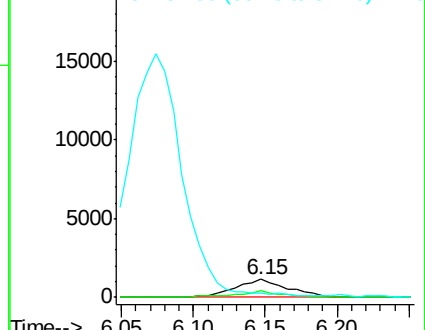
BEL-01

Tot Ion: 78 Resp: 2931

Ion	Ratio	Lower	Upper
78	100		
77	35.7	19.4	29.0#
51	7.3	13.8	20.6#



Abundance Ion 78.10 (77.80 to 78.80): VX002678.D (-900) (-)



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

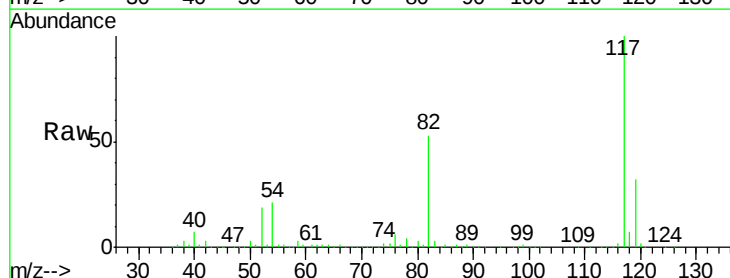
Delta R.T. -0.00 min

Lab File: VX003004.D

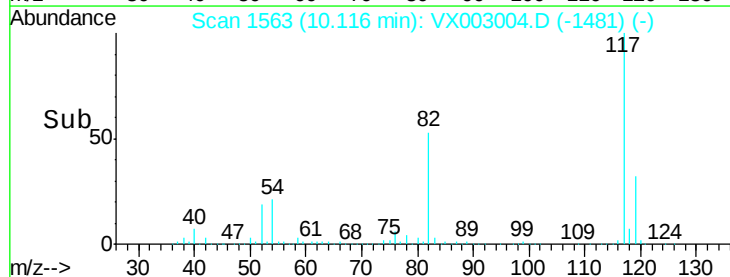
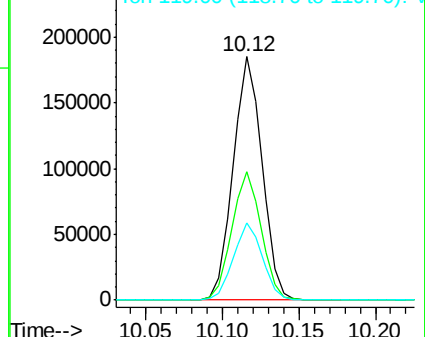
Acq: 28 Jun 2018 23:38

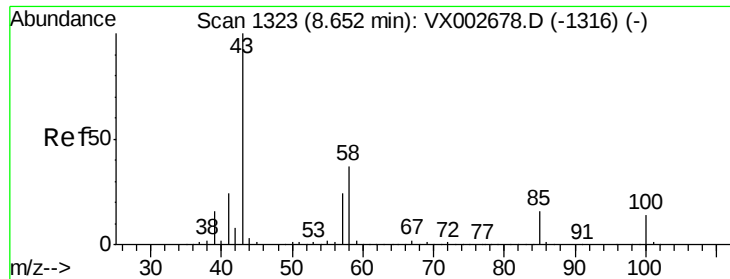
Tgt Ion: 117 Resp: 242847

Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.3	66.5
119	31.8	25.7	38.5



Abundance Ion 117.00 (116.70 to 117.70): VX002678.D (-1556) (-)





#58

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

Instrument :

MSVOA_X

ClientSampleId :

BEL-01

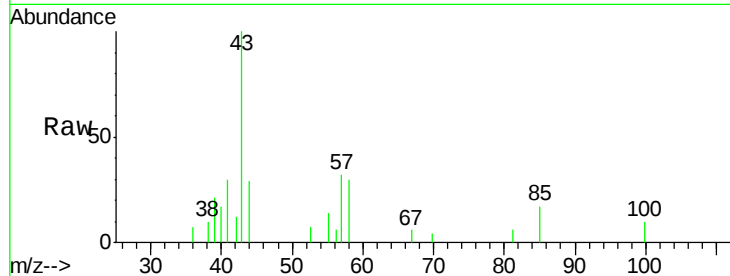
Tot Ion: 43 Resp: 1802

Ion Ratio Lower Upper

43 100

58 37.5 28.2 42.4

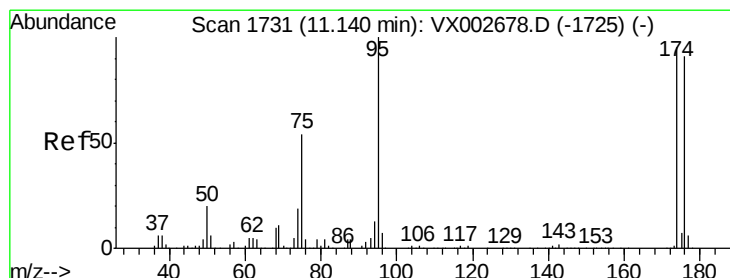
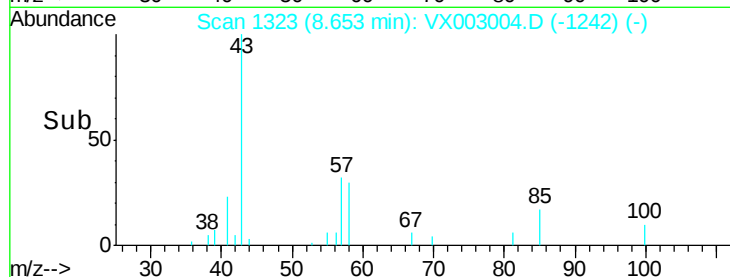
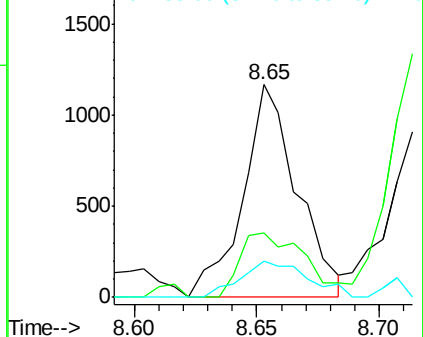
85 21.3 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#60

4-Bromofluorobenzene

Concen: 28.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003004.D

Acq: 28 Jun 2018 23:38

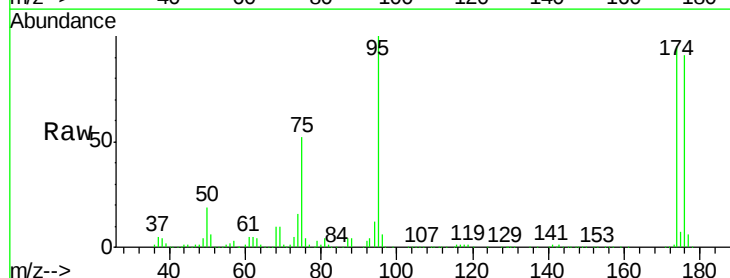
Tgt Ion: 95 Resp: 113916

Ion Ratio Lower Upper

95 100

174 97.2 71.8 107.6

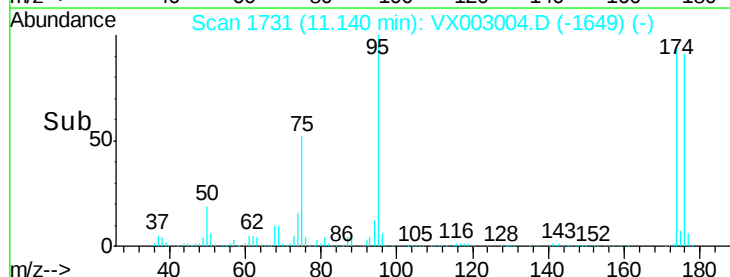
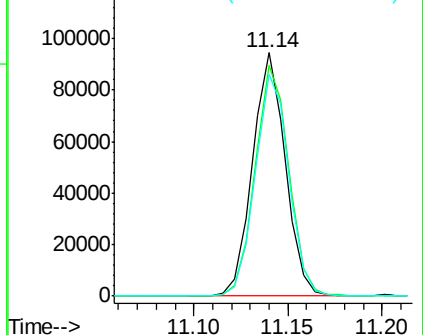
176 93.2 70.1 105.1

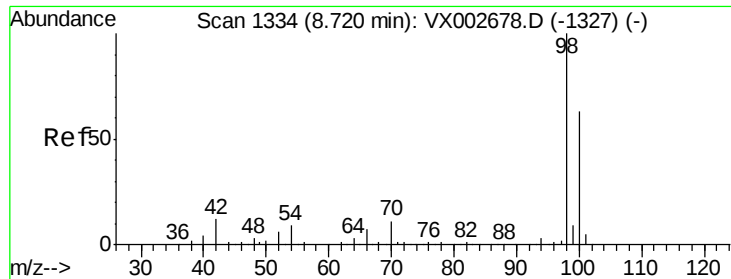


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

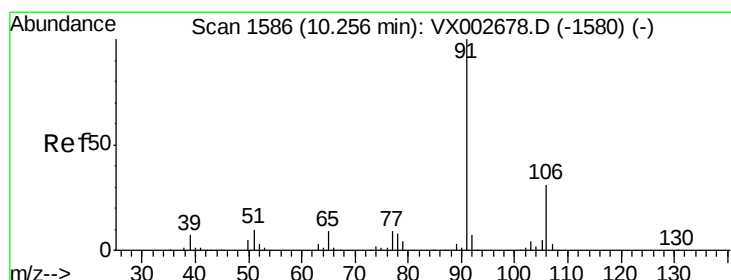
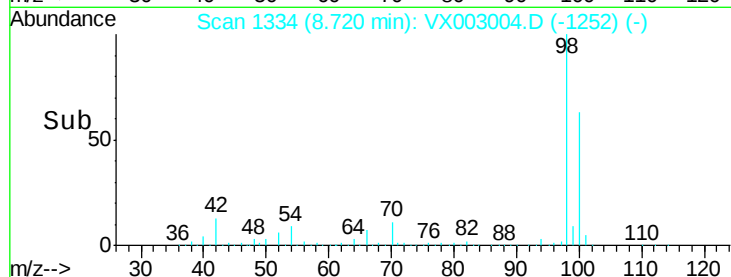
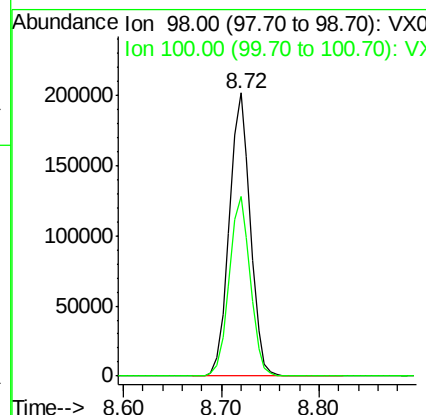
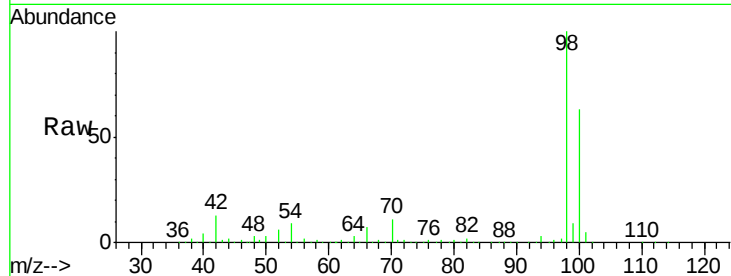




#63
Toluene-d8
Concen: 28.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003004.D
Acq: 28 Jun 2018 23:38

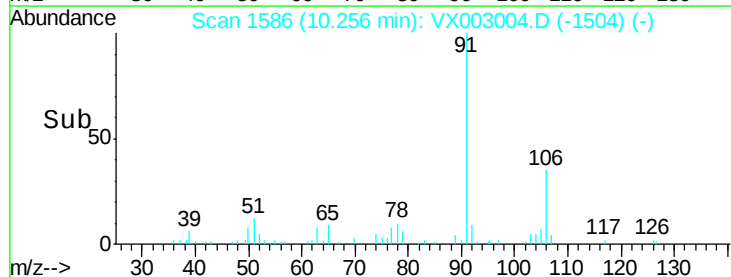
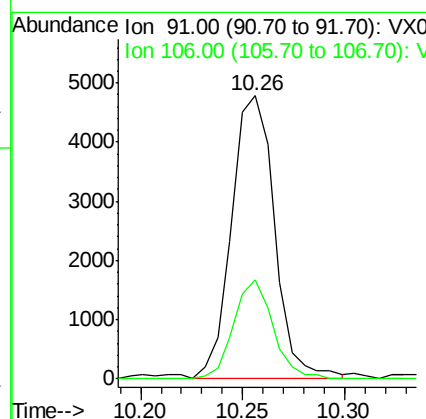
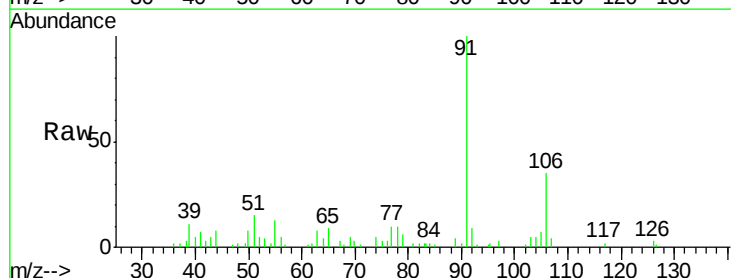
Instrument :
MSVOA_X
ClientSampleId :
BEL-01

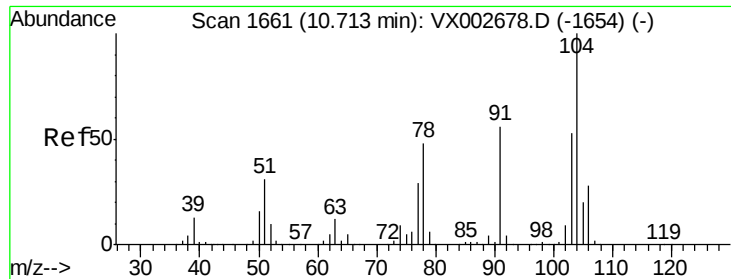
Tot Ion: 98 Resp: 301184
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2



#66
Ethyl Benzene
Concen: 0.53 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003004.D
Acq: 28 Jun 2018 23:38

Tgt Ion: 91 Resp: 7005
Ion Ratio Lower Upper
91 100
106 35.2 25.2 37.8

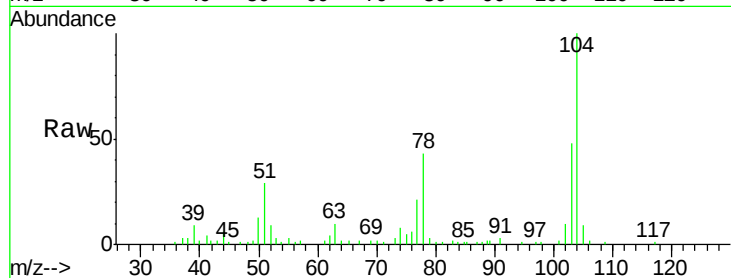




#69
 Stvrene
 Concen: 1.14 ug/l
 RT: 10.71 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: VX003004.D
 Acq: 28 Jun 2018 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 BEL-01

Tot Ion:104 Resp: 9532
 Ion Ratio Lower Upper
 104 100
 78 41.4 41.8 62.8#
 103 49.5 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
 Ion 78.00 (77.70 to 78.70): VX0
 Ion 103.00 (102.70 to 103.70): V

