

Data Path : W:\HPCHEM1\MSVOA_X\DATA\WX053018\
 Data File : VX002138.D
 Acq On : 30 May 2018 13:56
 Operator : JC/MD
 Sample : J3070-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: May 31 02:09:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	52089	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	298083	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	256659	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	127654	31.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.80%
60) 4-Bromofluorobenzene	11.14	95	120127	27.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.13%
63) Toluene-d8	8.72	98	356500	31.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.87%

Target Compounds

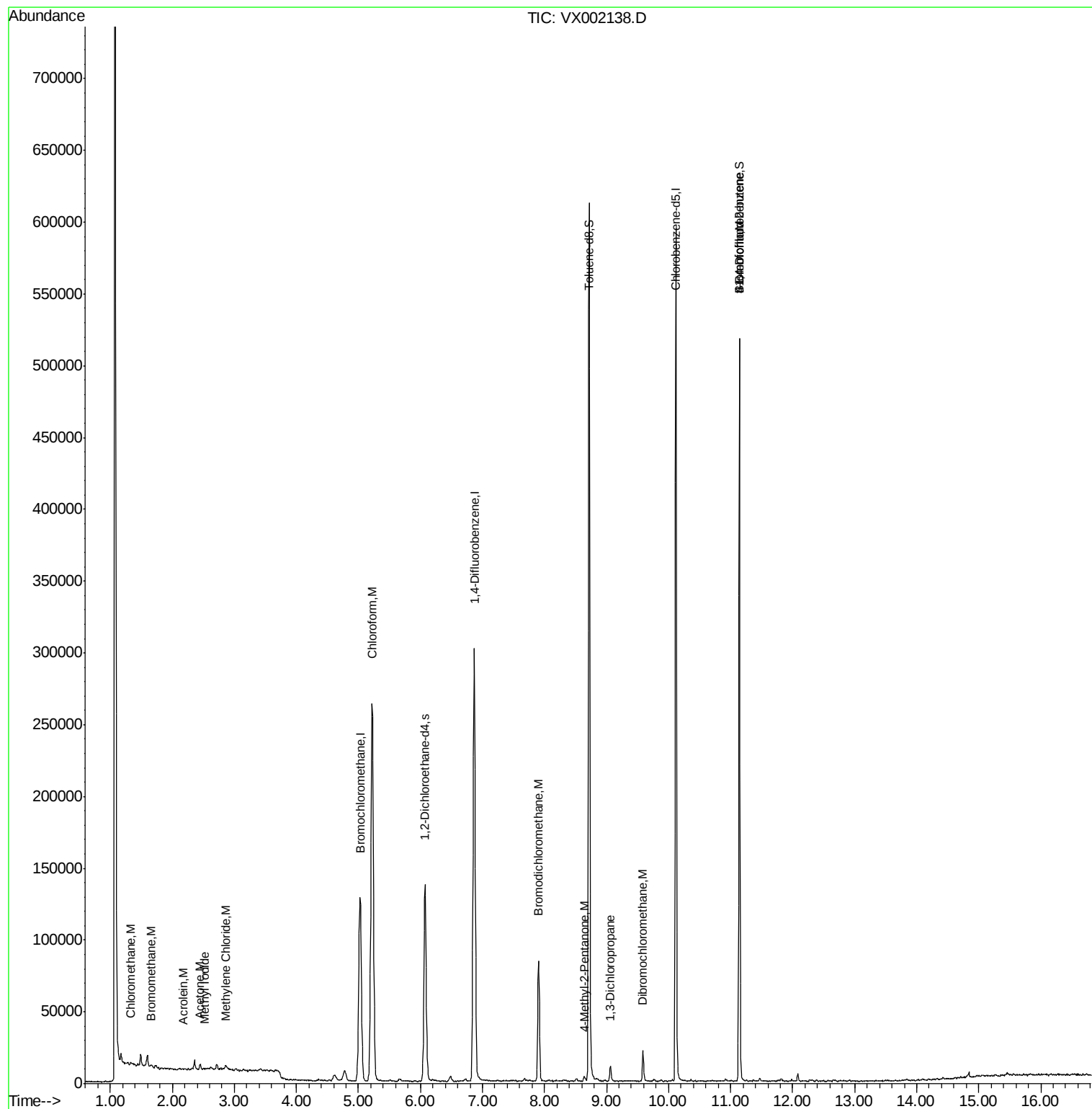
						Qvalue
3) Chloromethane	1.33	50	727	0.22	ug/l	96
5) Bromomethane	1.65	94	1199	0.65	ug/l	92
11) Methyl Iodide	2.52	142	892	0.22	ug/l #	59
13) Acrolein	2.18	56	118	0.33	ug/l	100
15) Acetone	2.45	58	1276	2.77	ug/l	83
18) Methylene Chloride	2.85	84	1493	0.51	ug/l #	86
25) Chloroform	5.22	83	303180	53.04	ug/l	100
41) Bromodichloromethane	7.90	83	49406	10.42	ug/l	98
52) 1,3-Dichloropropane	9.06	76	1453	0.26	ug/l	48
53) Dibromochloromethane	9.59	129	4347	1.08	ug/l	92
56) Bromoform	11.14	173	1184	0.34	ug/l #	1
58) 4-Methyl-2-Pentanone	8.63	43	2957	0.53	ug/l #	52
77) t-1,4-Dichloro-2-butene	11.14	75	65093	40.59	ug/l #	11

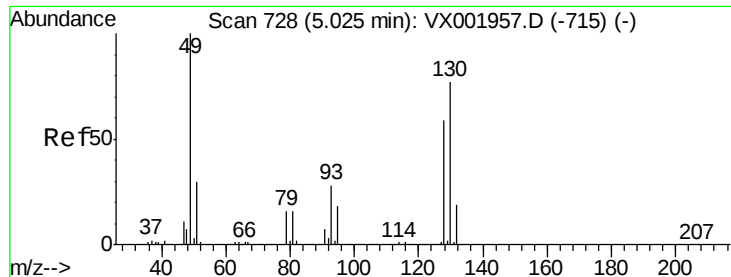
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
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ClientSampleId :
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Quant Time: May 31 02:09:03 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

14B-3

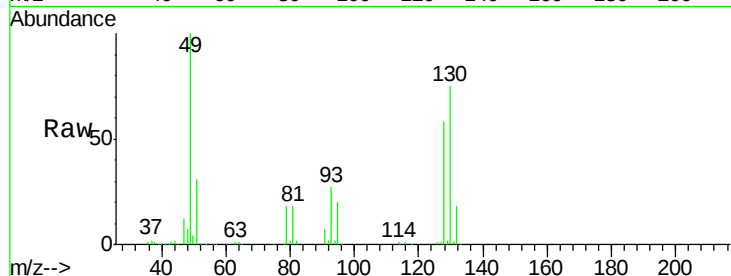
Tgt Ion:128 Resp: 52089

Ion Ratio Lower Upper

128 100

49 173.7 0.0 423.0

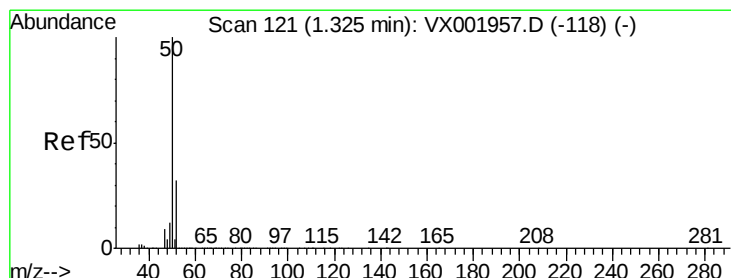
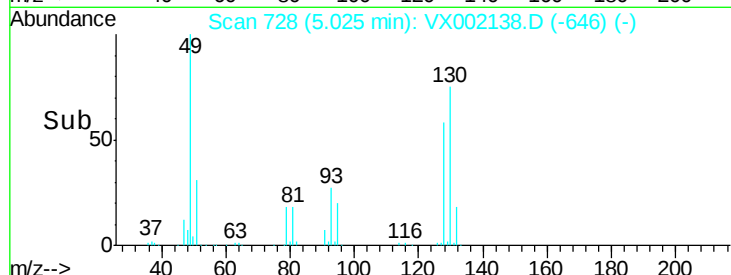
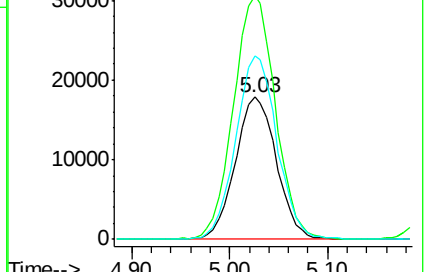
130 129.5 0.0 324.3



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



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002138.D

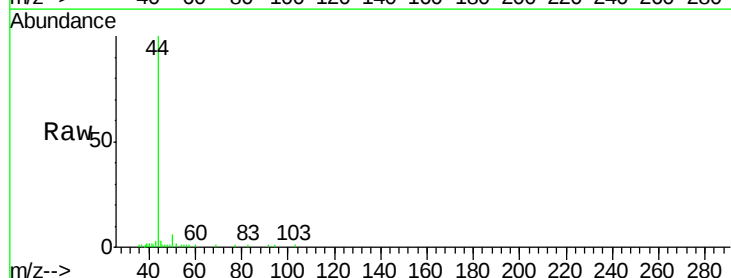
Acq: 30 May 2018 13:56

Tgt Ion: 50 Resp: 727

Ion Ratio Lower Upper

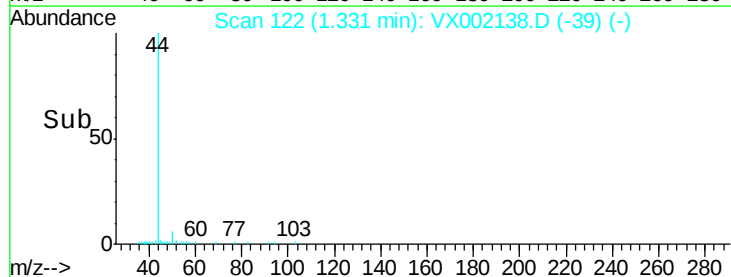
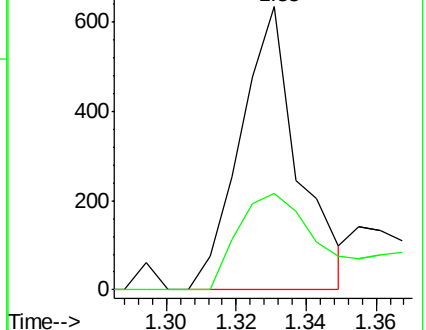
50 100

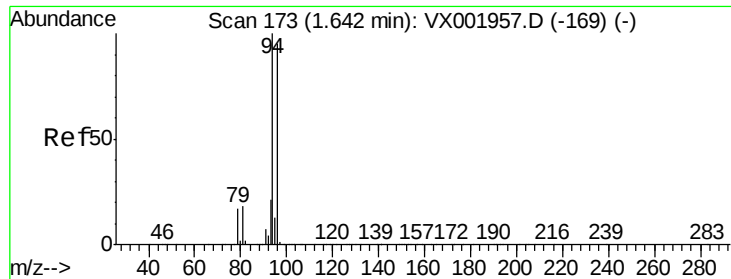
52 34.2 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.65 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

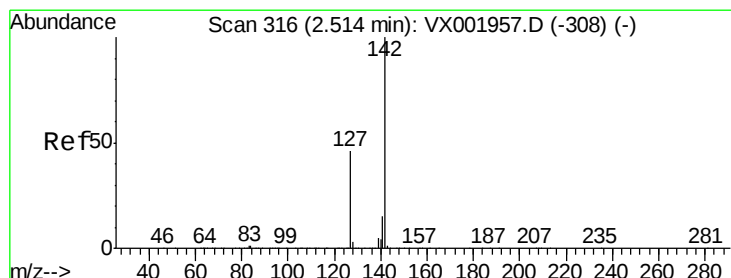
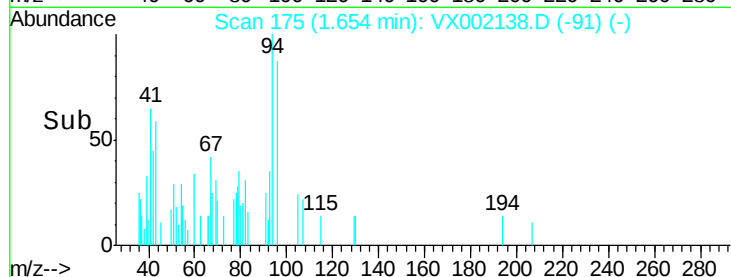
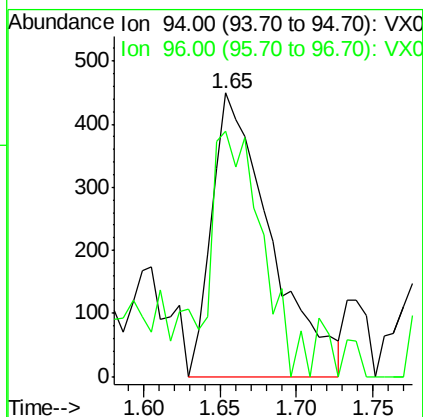
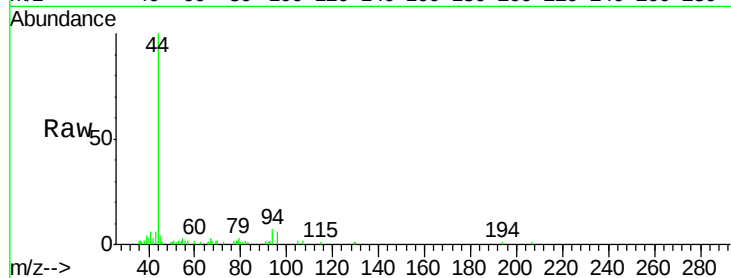
14B-3

Tgt Ion: 94 Resp: 1199

Ion Ratio Lower Upper

94 100

96 86.6 75.7 113.5



#11

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

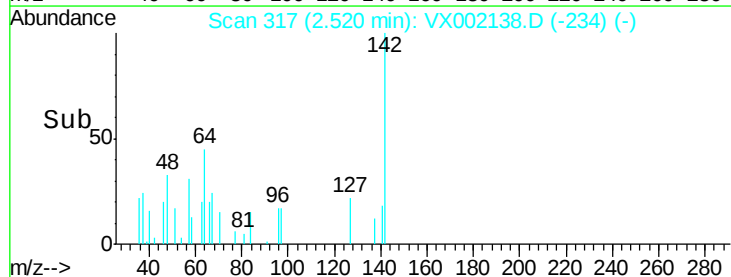
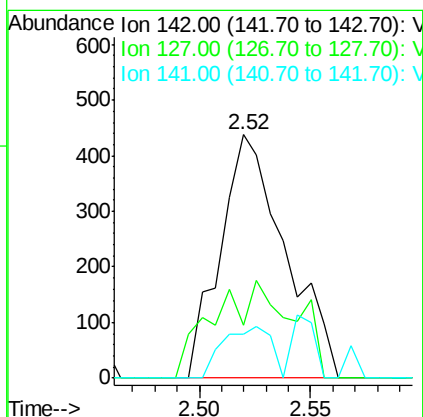
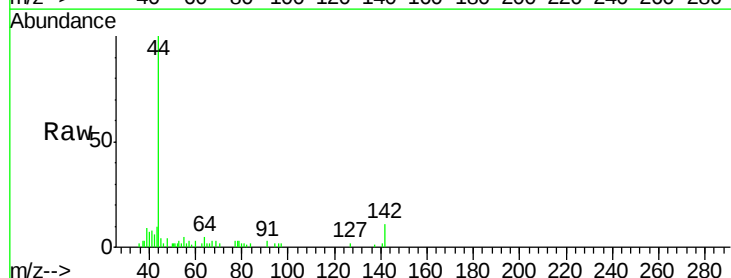
Tgt Ion: 142 Resp: 892

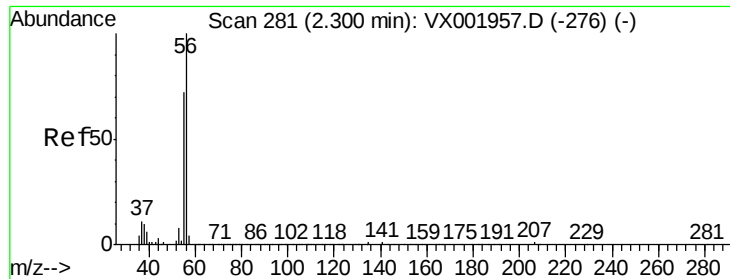
Ion Ratio Lower Upper

142 100

127 12.6 23.2 69.6#

141 18.0 7.4 22.2

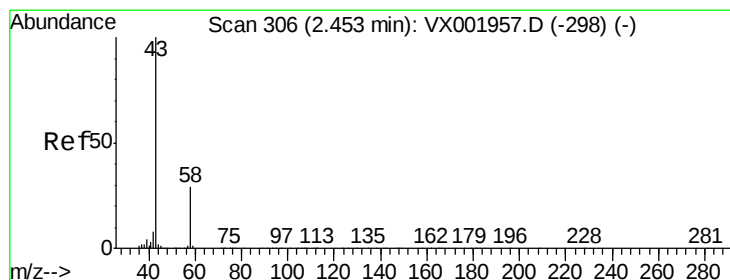
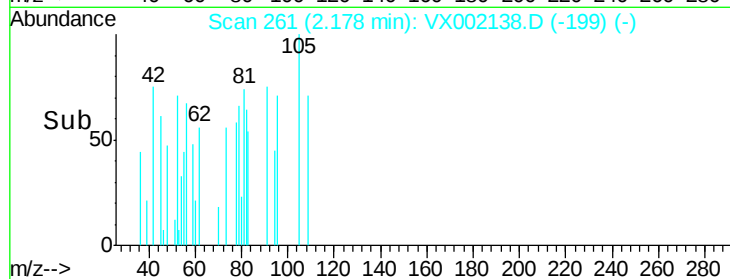
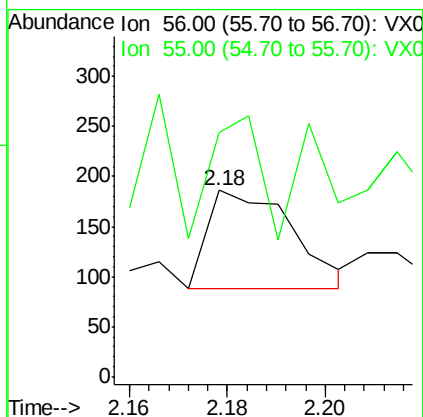
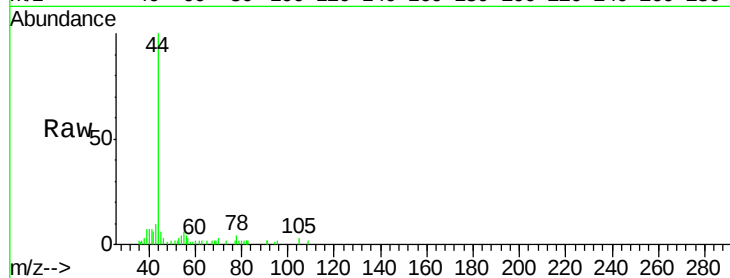




#13
Acrolein
Concen: 0.33 ug/l
RT: 2.18 min Scan# 261
Delta R.T. -0.12 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

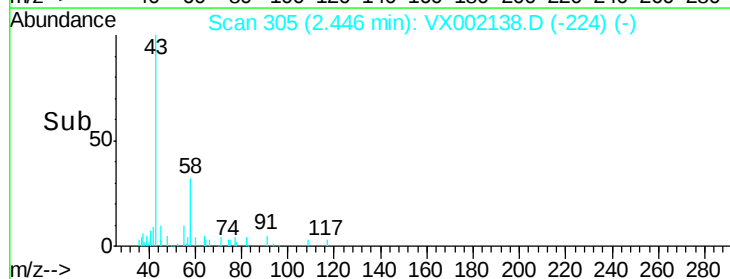
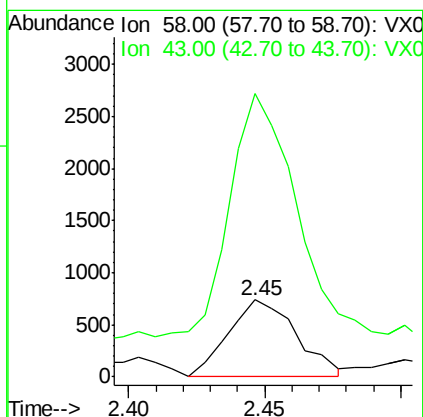
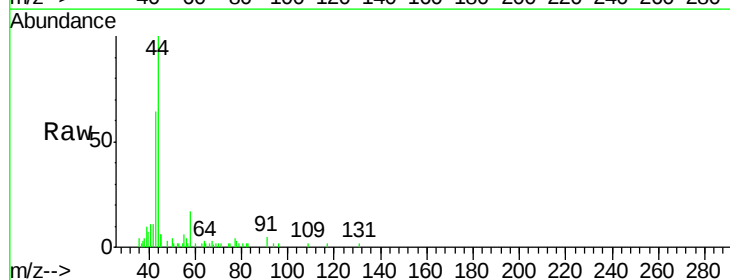
Instrument :
MSVOA_X
ClientSampled :
14B-3

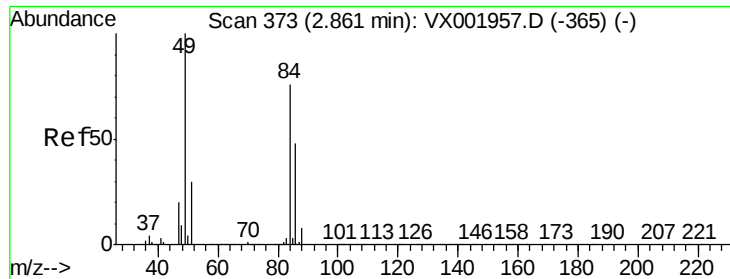
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 71.2 57.3 85.9



#15
Acetone
Concen: 2.77 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

Tgt Ion: 58 Resp: 1276
Ion Ratio Lower Upper
58 100
43 310.9 278.8 418.2

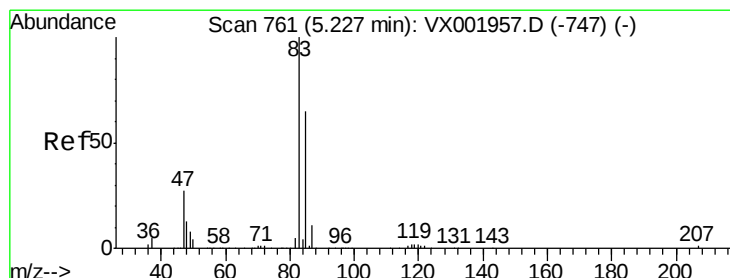
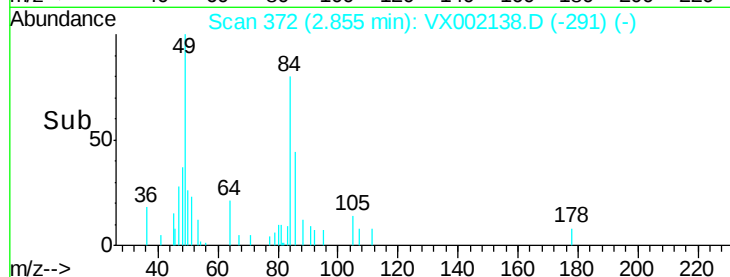
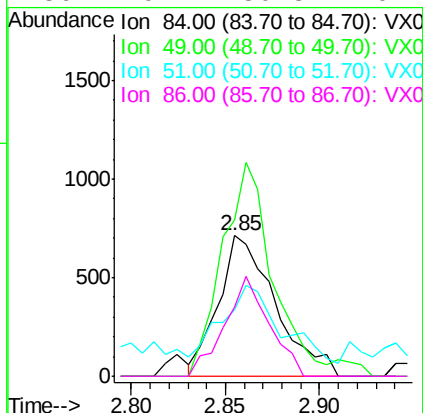
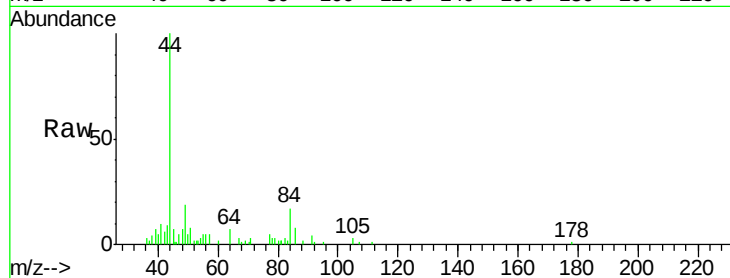




#18
Methylene Chloride
Concen: 0.51 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

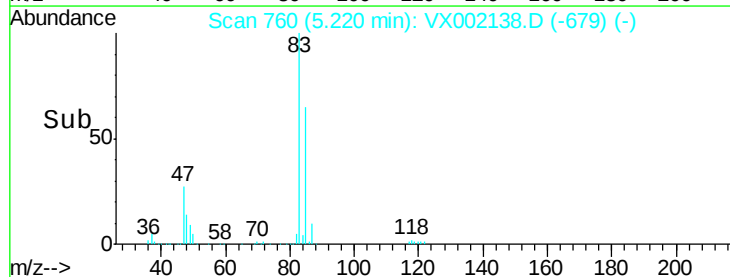
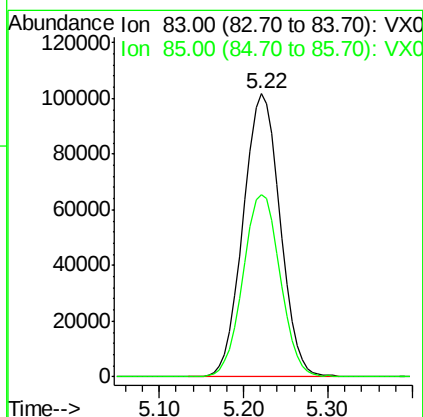
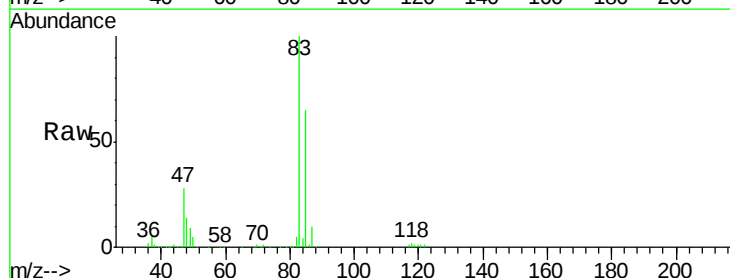
Instrument :
MSVOA_X
ClientSampleId :
14B-3

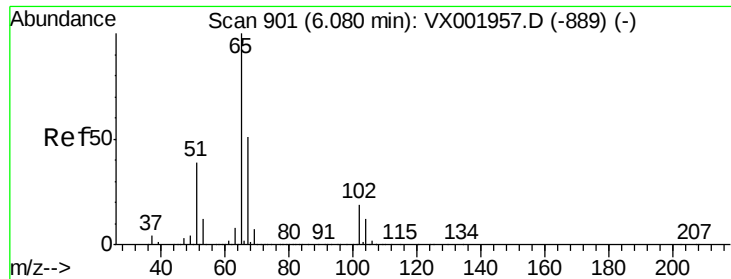
Tgt Ion: 84 Resp: 1493
Ion Ratio Lower Upper
84 100
49 111.5 104.7 157.1
51 37.8 31.0 46.4
86 49.4 50.8 76.2#



#25
Chloroform
Concen: 53.04 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

Tgt Ion: 83 Resp: 303180
Ion Ratio Lower Upper
83 100
85 64.6 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 31.14 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

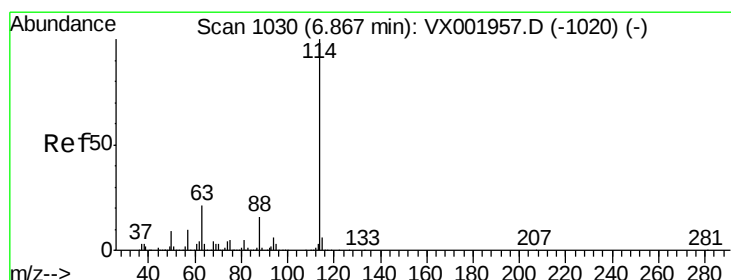
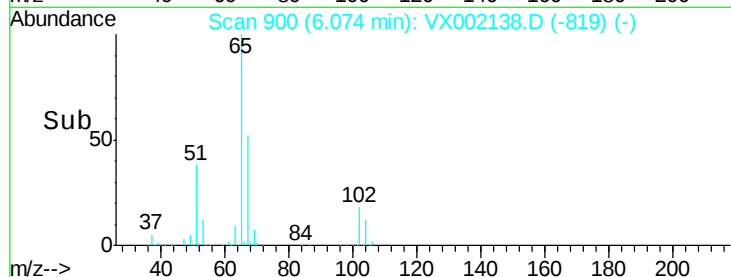
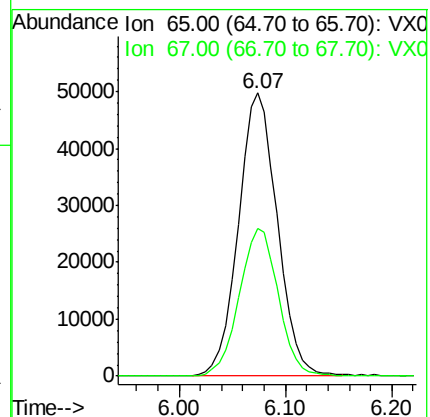
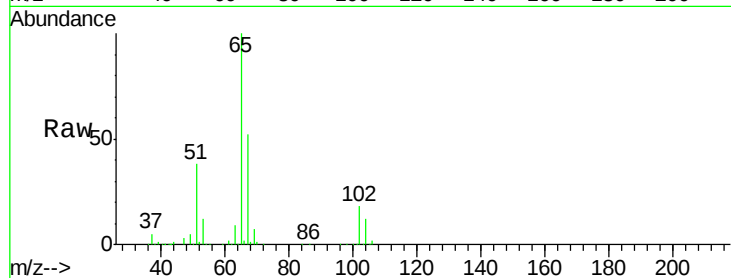
14B-3

Tgt Ion: 65 Resp: 127654

Ion Ratio Lower Upper

65 100

67 52.6 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

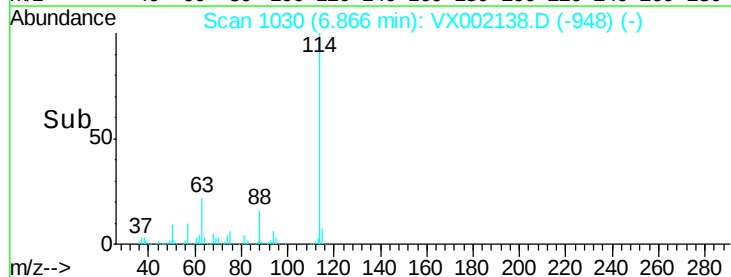
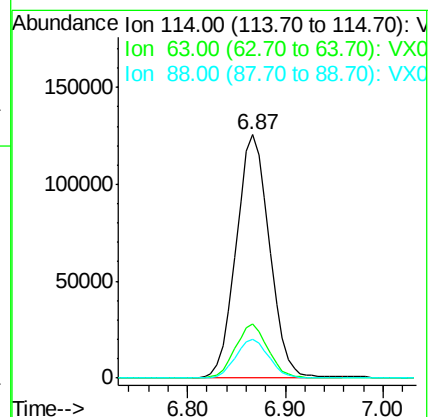
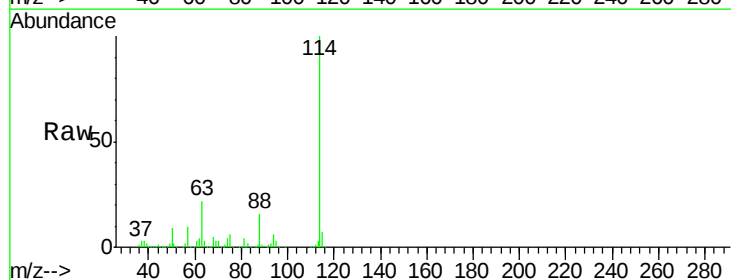
Tgt Ion: 114 Resp: 298083

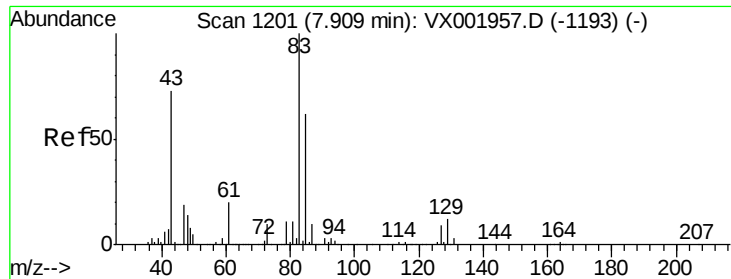
Ion Ratio Lower Upper

114 100

63 21.5 17.1 25.7

88 15.8 12.6 19.0





#41

Bromodichloromethane

Concen: 10.42 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

14B-3

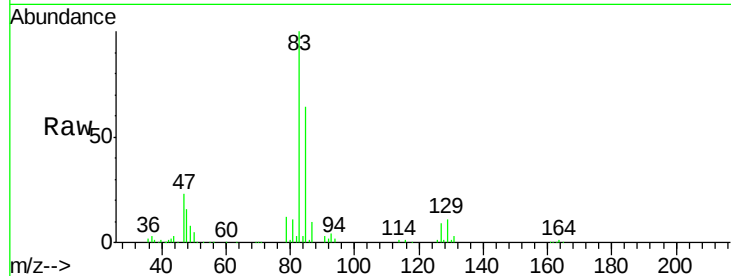
Tgt Ion: 83 Resp: 49406

Ion Ratio Lower Upper

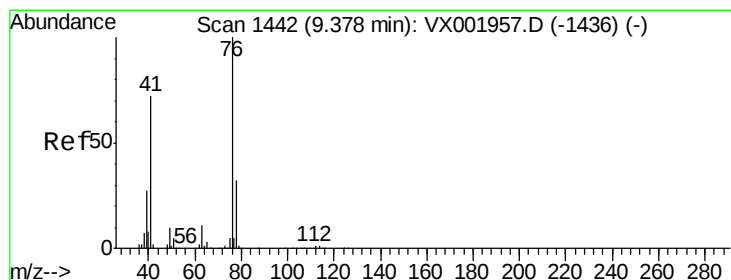
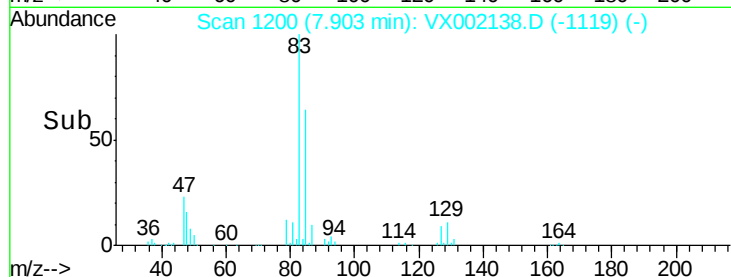
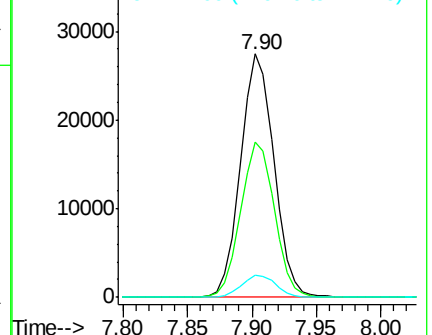
83 100

85 63.9 49.8 74.8

127 9.2 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#52

1,3-Dichloropropane

Concen: 0.26 ug/l

RT: 9.06 min Scan# 1390

Delta R.T. -0.32 min

Lab File: VX002138.D

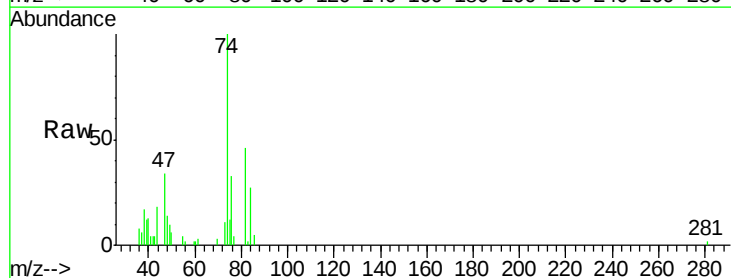
Acq: 30 May 2018 13:56

Tgt Ion: 76 Resp: 1453

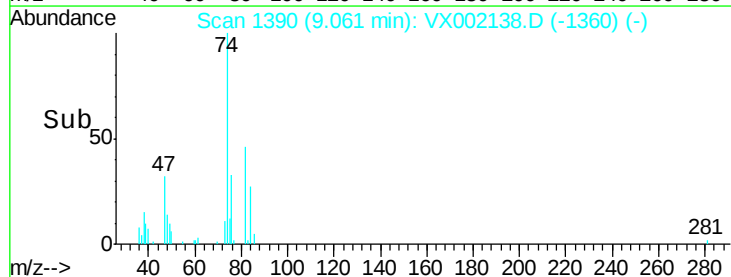
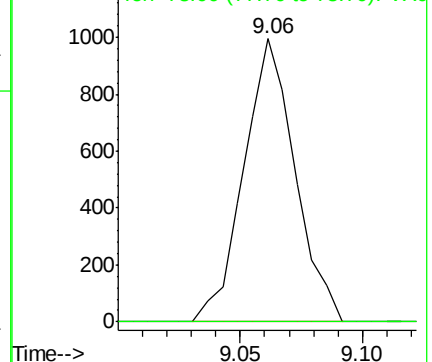
Ion Ratio Lower Upper

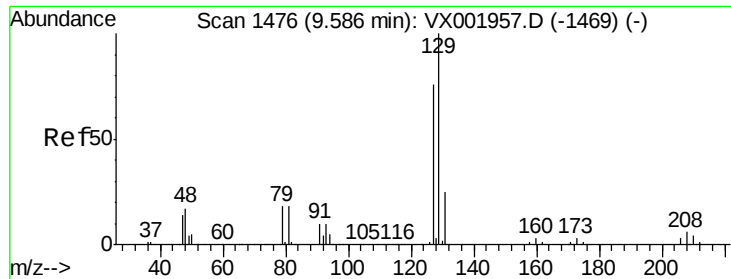
76 100

78 3.0 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0

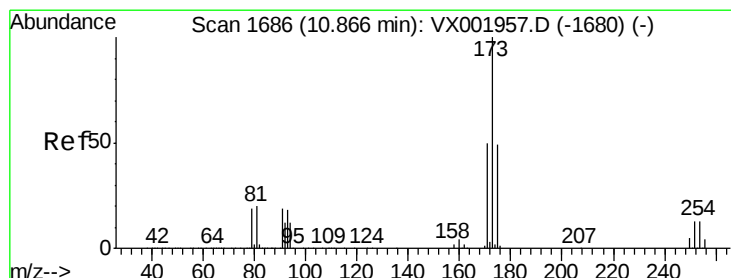
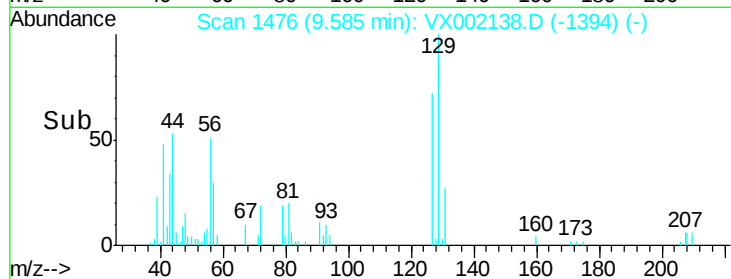
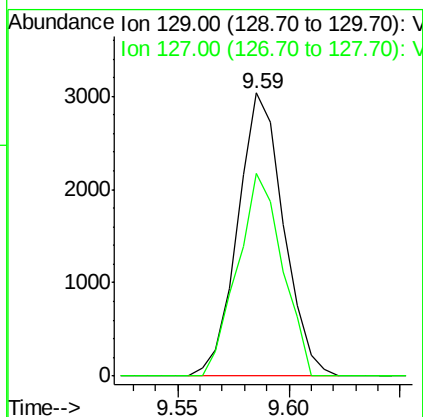
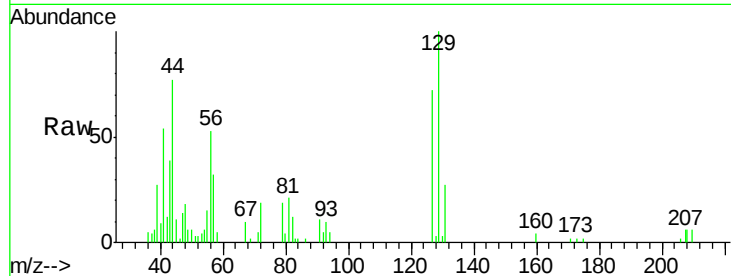




#53
Dibromochloromethane
Concen: 1.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

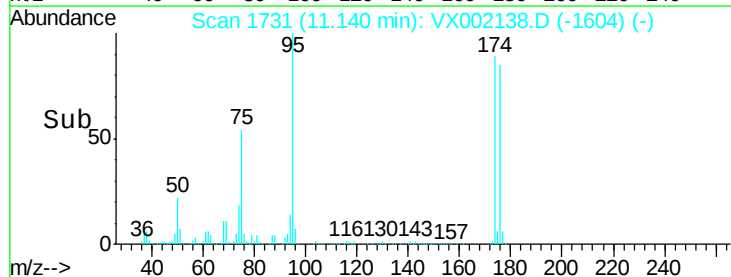
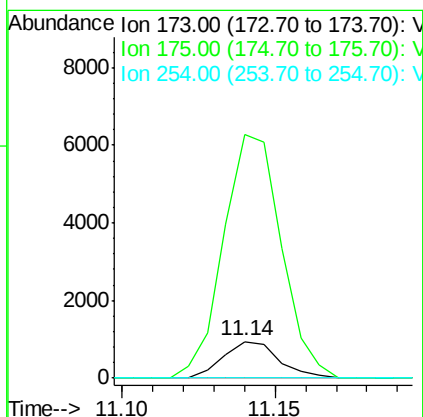
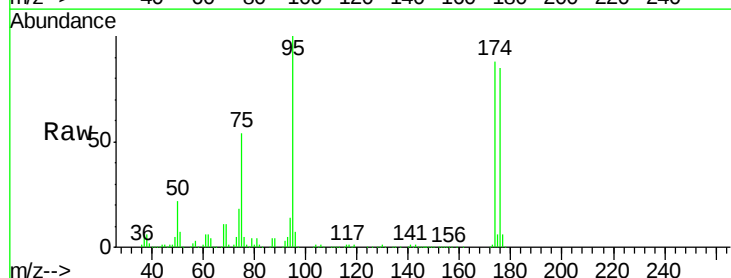
Instrument :
MSVOA_X
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14B-3

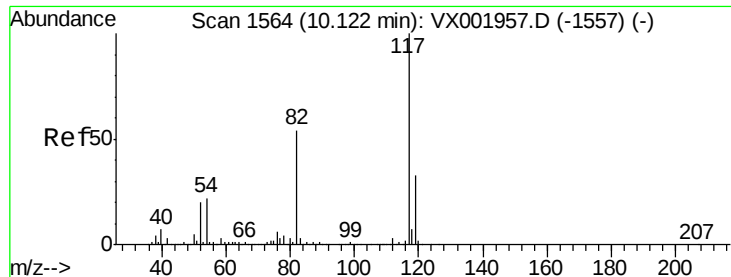
Tgt Ion:129 Resp: 4347
Ion Ratio Lower Upper
129 100
127 70.2 38.5 115.3



#56
Bromoform
Concen: 0.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.27 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

Tgt Ion:173 Resp: 1184
Ion Ratio Lower Upper
173 100
175 694.5 39.0 58.4#
254 0.0 9.6 14.4#

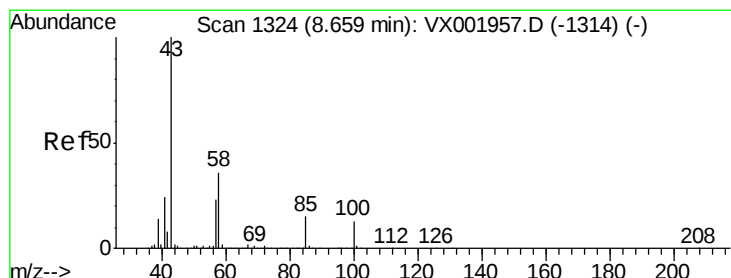
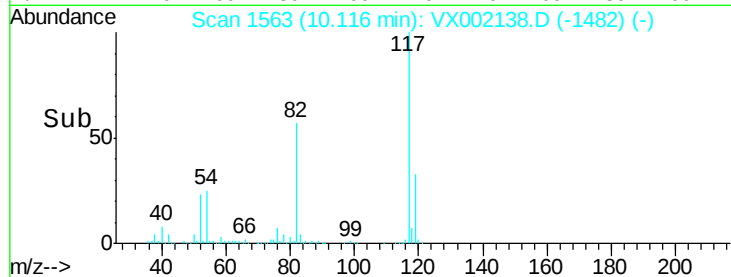
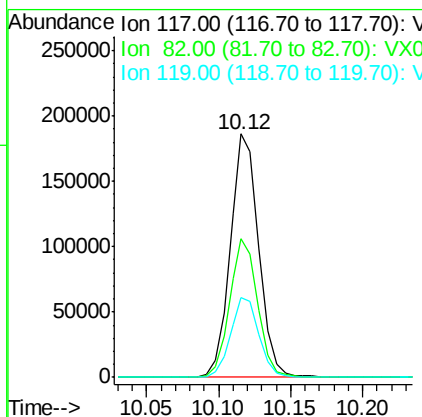
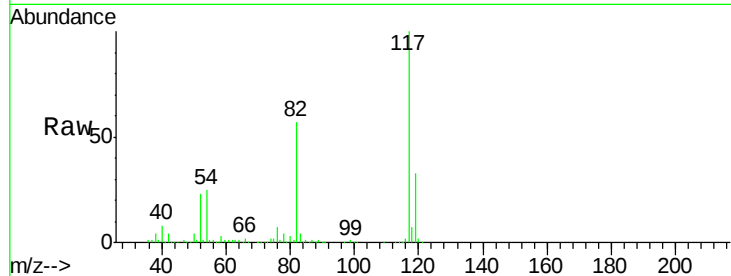




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

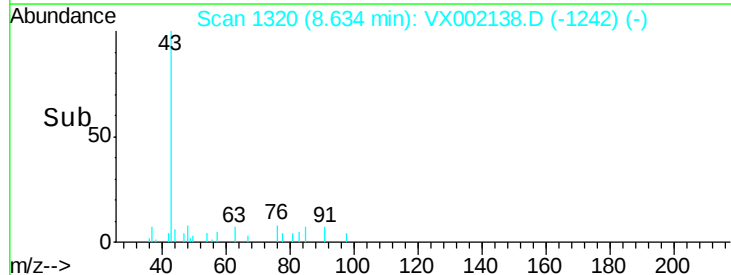
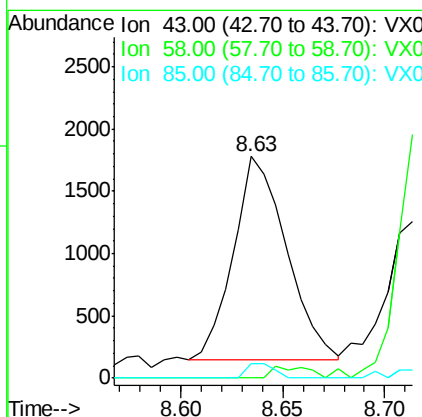
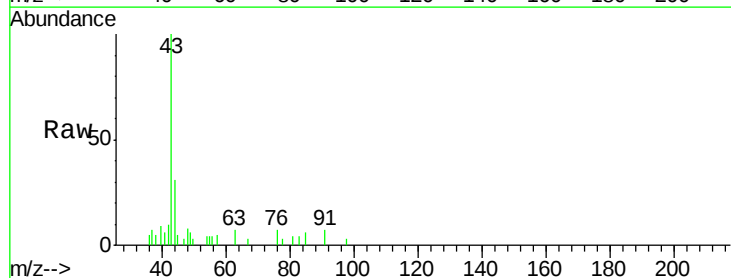
Instrument :
MSVOA_X
ClientSampled :
14B-3

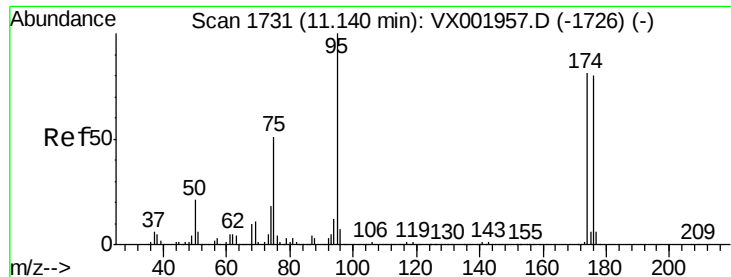
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	33.0	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.63 min Scan# 1320
Delta R.T. -0.02 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	2.0	28.2	42.4#
85	3.7	12.4	18.6#





#60

4-Bromofluorobenzene

Concen: 27.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002138.D

Acq: 30 May 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

14B-3

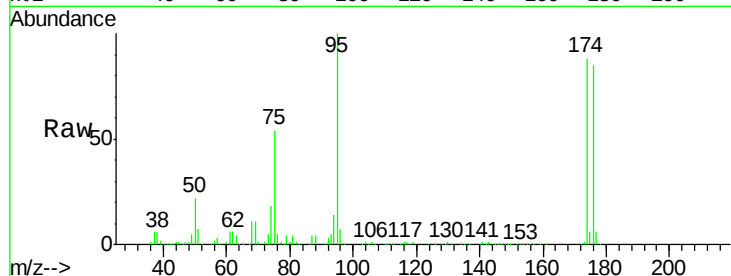
Tgt Ion: 95 Resp: 120127

Ion Ratio Lower Upper

95 100

174 91.9 71.8 107.6

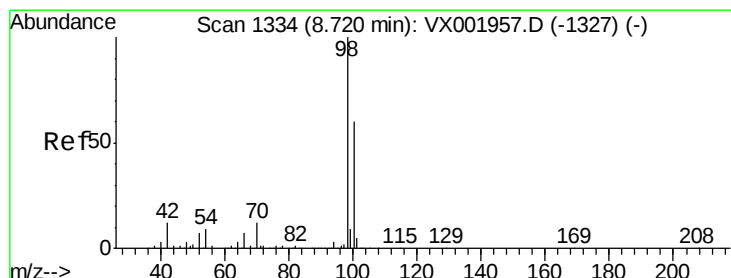
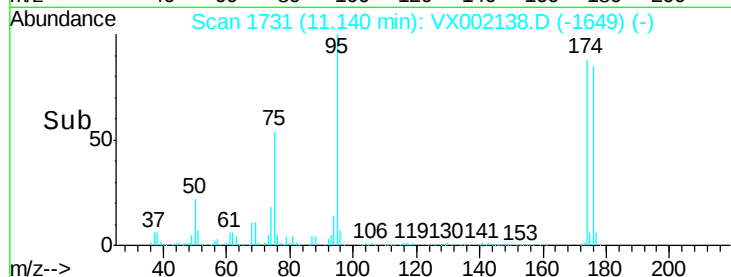
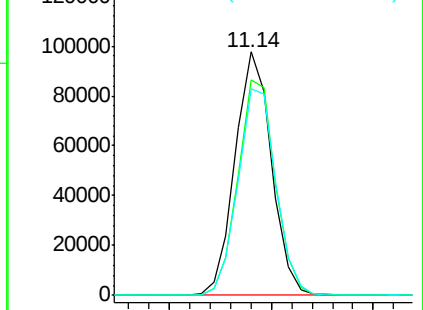
176 89.5 70.1 105.1



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: 31.16 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002138.D

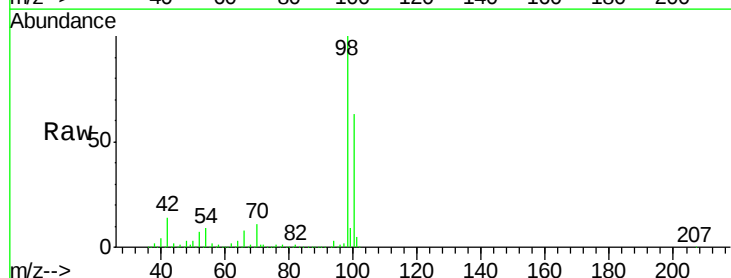
Acq: 30 May 2018 13:56

Tgt Ion: 98 Resp: 356500

Ion Ratio Lower Upper

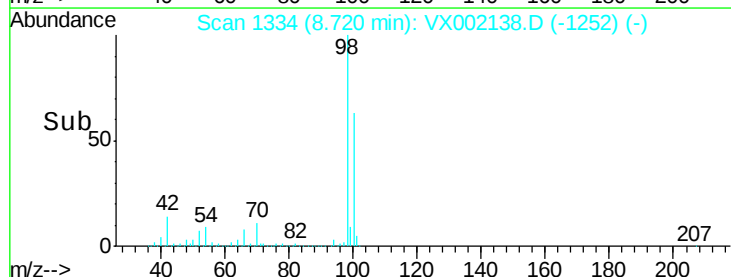
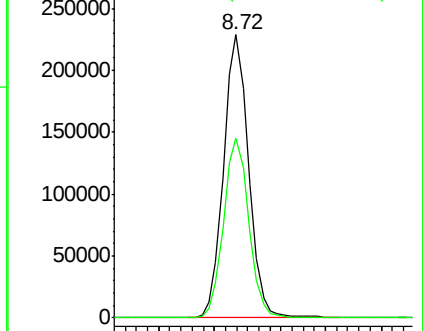
98 100

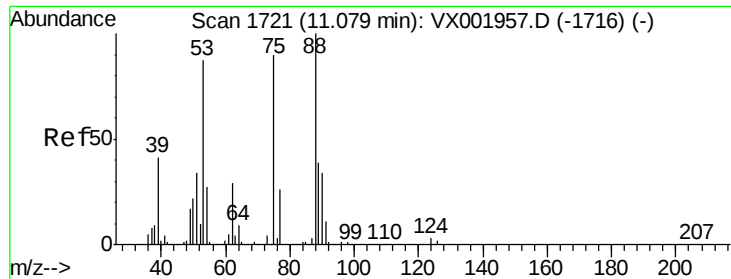
100 63.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 40.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002138.D
Acq: 30 May 2018 13:56

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Tgt Ion: 75 Resp: 65093
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.9#
89 0.0 21.8 65.4#

