

Data File : VX001213.D
Acq On : 28 Apr 2018 15:05
Operator : JC/MD
Sample : J2600-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-EB01-20180425

Quant Time: Apr 30 01:29:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	182746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	246618	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127342	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	138727	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	5.51	113	109720	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	8.72	98	424947	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
62) 4-Bromofluorobenzene	11.14	95	145201	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

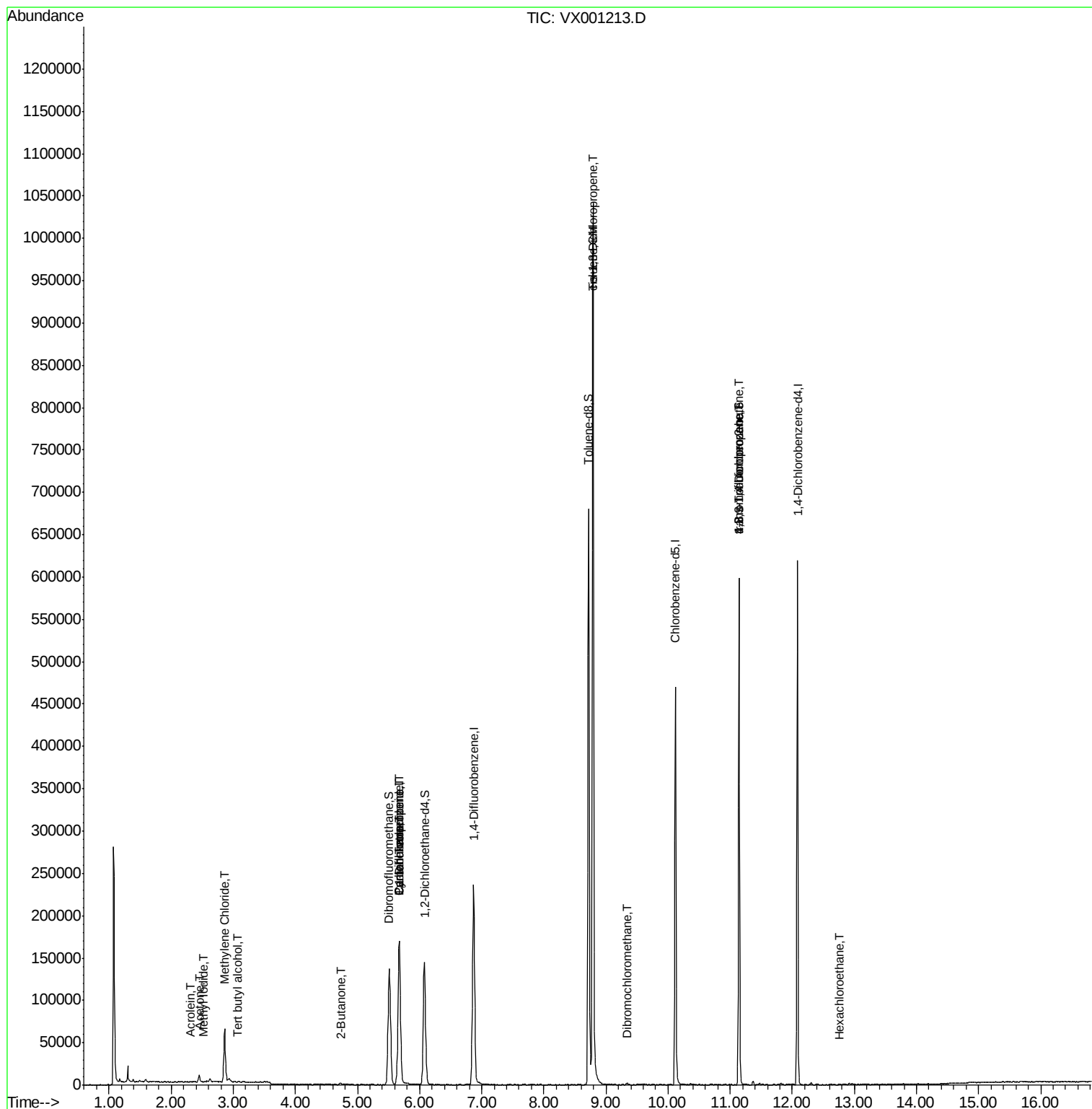
Target Compounds			Qvalue			
5) Bromomethane	1.65	94	251	Below Cal	#	77
10) Methyl Iodide	2.51	142	215	7.33	ug/l #	63
11) Tert butyl alcohol	3.08	59	657	1.18	ug/l #	33
13) Acrolein	2.30	56	83	0.39	ug/l #	66
16) Acetone	2.45	43	9271	7.96	ug/l	99
20) Methylene Chloride	2.86	84	27991	12.90	ug/l	98
25) 2-Butanone	4.73	43	2738	1.57	ug/l #	84
31) Cyclohexane	5.67	56	3279	1.09	ug/l #	23
36) 1,1-Dichloropropene	5.68	75	11472	4.22	ug/l #	49
38) Carbon Tetrachloride	5.67	117	15371	5.52	ug/l #	17
52) Toluene	8.79	92	392058	76.26	ug/l	100
54) cis-1,3-Dichloropropene	8.79	75	4737	4.54	ug/l #	1
60) Dibromochloromethane	9.34	129	52	3.37	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	74522	28.74	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	74522	87.11	ug/l #	6
90) Hexachloroethane	12.76	117	94	3.45	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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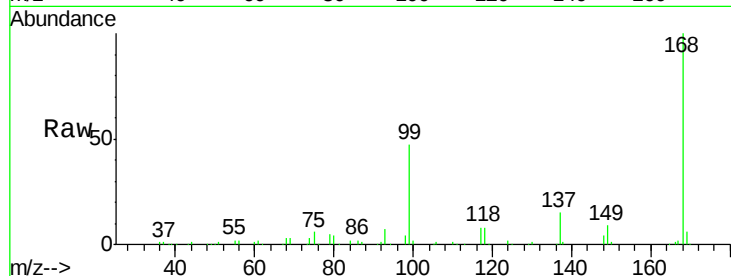
Instrument :
MSVOA_X
ClientSampleId :
BP-EB01-20180425

Tgt Ion: 168 Resp: 182746

Ion Ratio Lower Upper

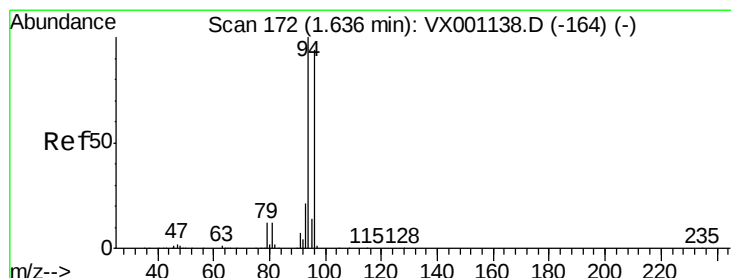
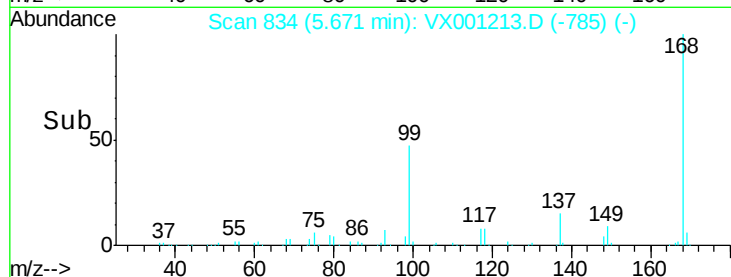
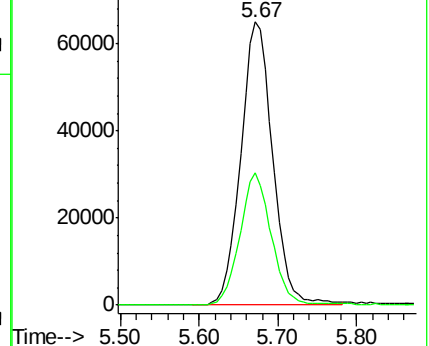
168 100

99 46.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001213.D

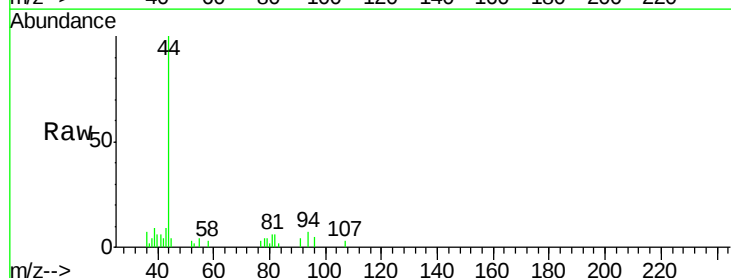
Acq: 28 Apr 2018 15:05

Tgt Ion: 94 Resp: 251

Ion Ratio Lower Upper

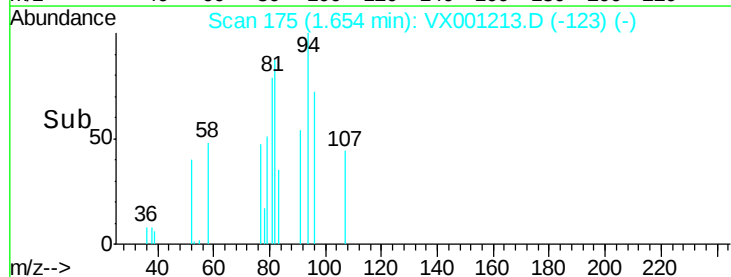
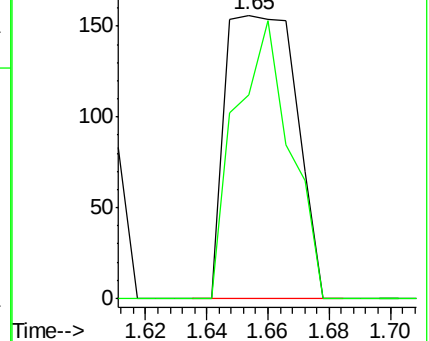
94 100

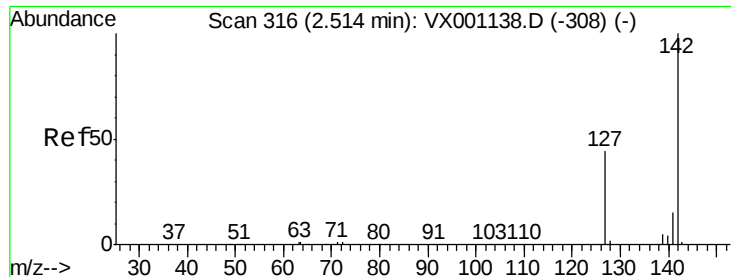
96 71.8 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

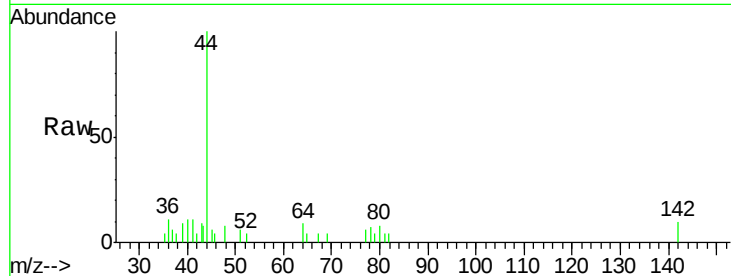




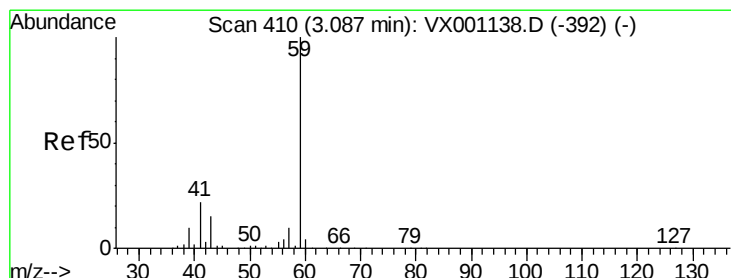
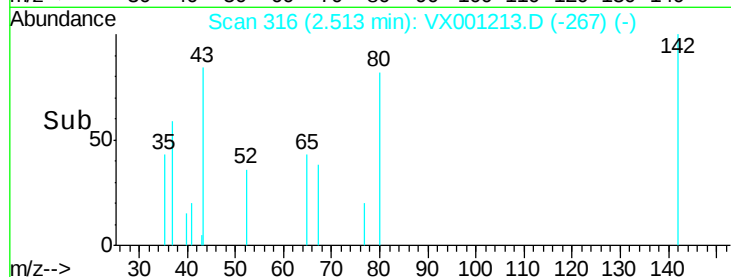
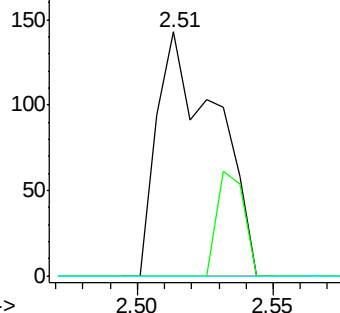
#10
Methyl Iodide
Concen: 7.33 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-EB01-20180425

Tgt Ion: 142 Resp: 215
Ion Ratio Lower Upper
142 100
127 19.5 34.7 52.1#
141 0.0 11.6 17.4#

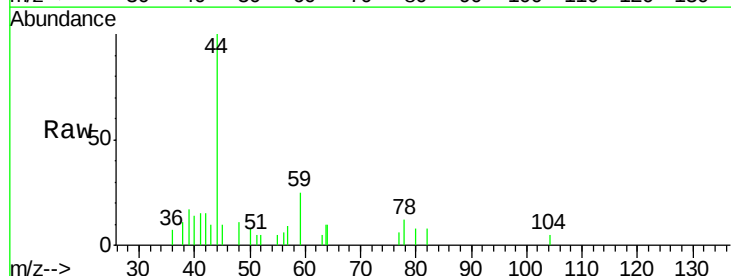


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

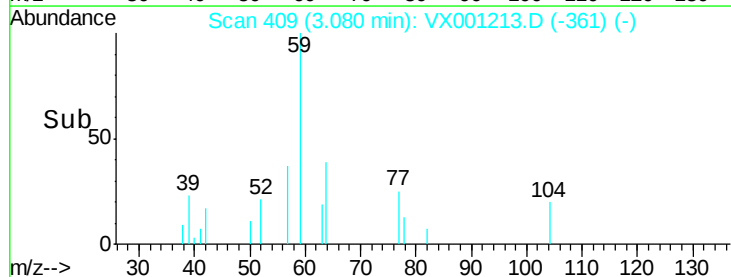
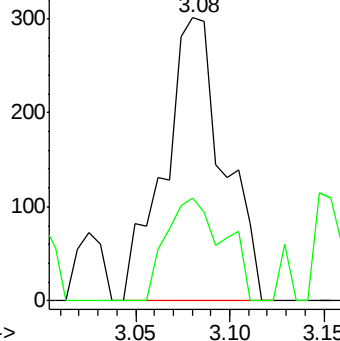


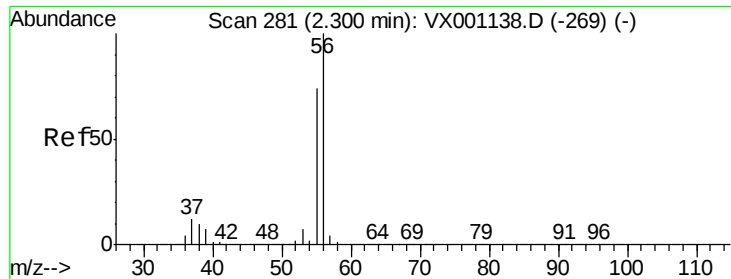
#11
Tert butyl alcohol
Concen: 1.18 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 35.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.39 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

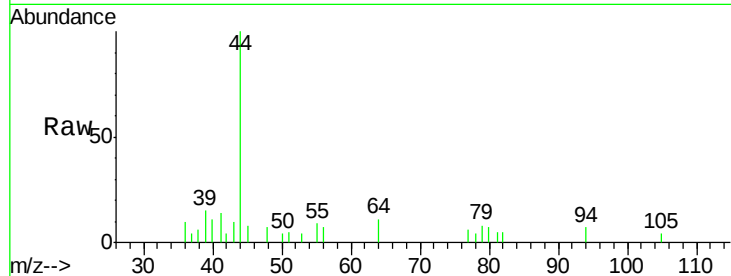
BP-EB01-20180425

Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

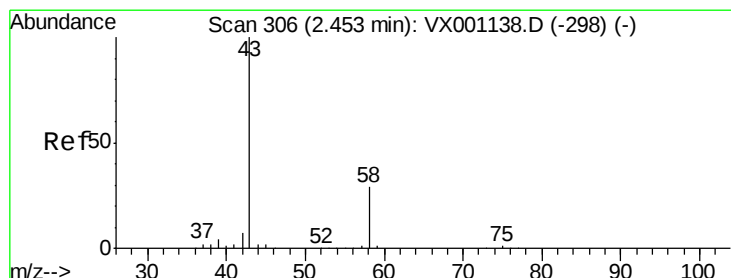
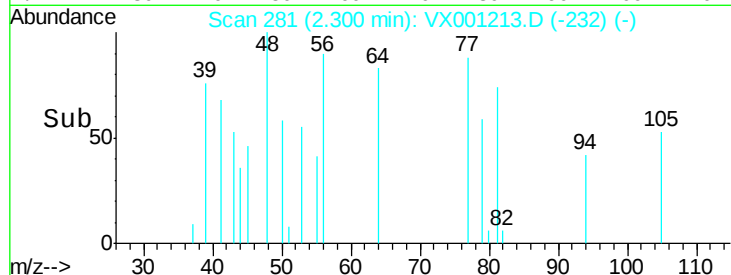
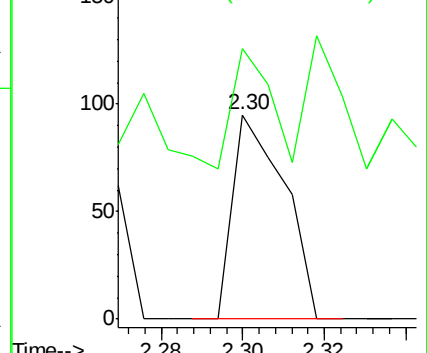
56 100

55 43.4 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 7.96 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001213.D

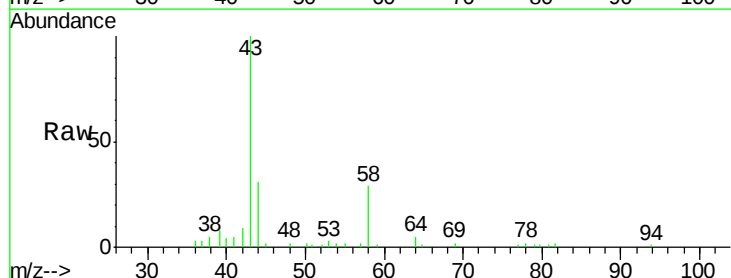
Acq: 28 Apr 2018 15:05

Tgt Ion: 43 Resp: 9271

Ion Ratio Lower Upper

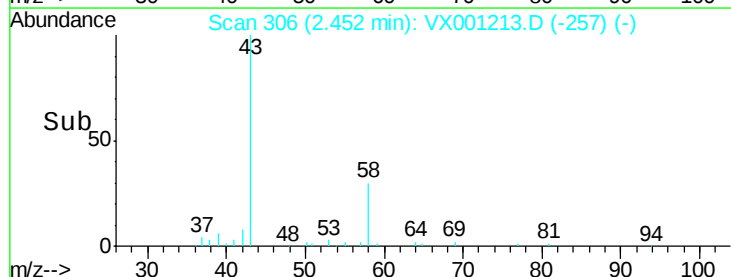
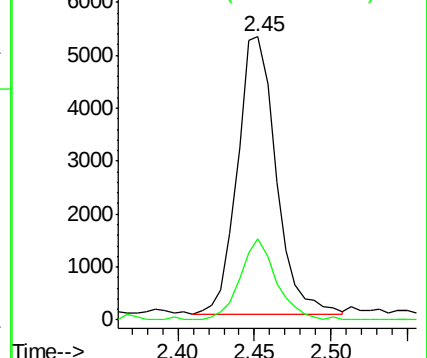
43 100

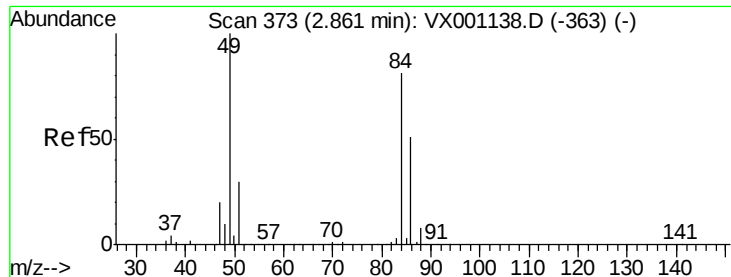
58 29.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

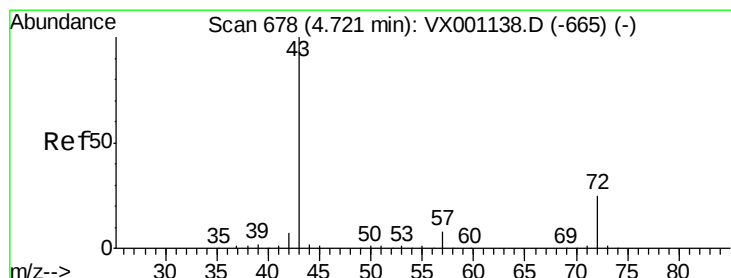
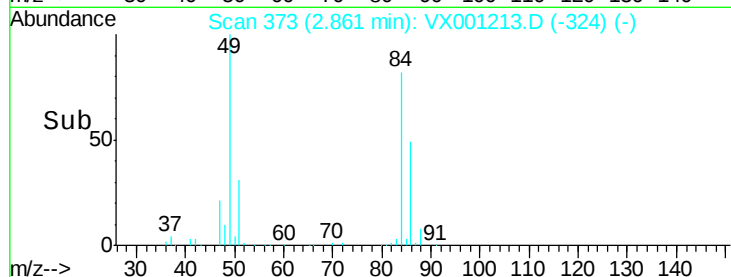
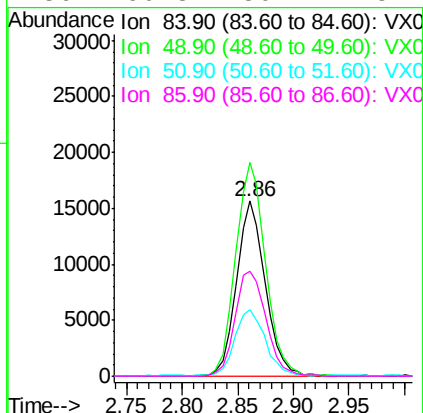
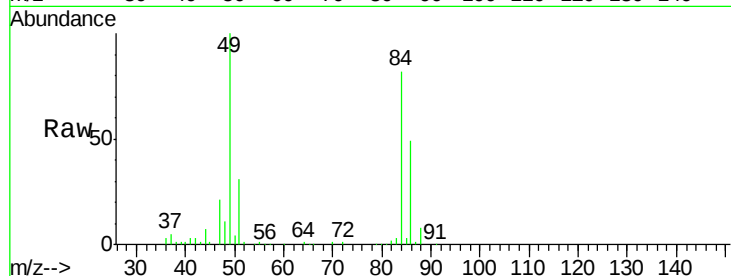




#20
Methylene Chloride
Concen: 12.90 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

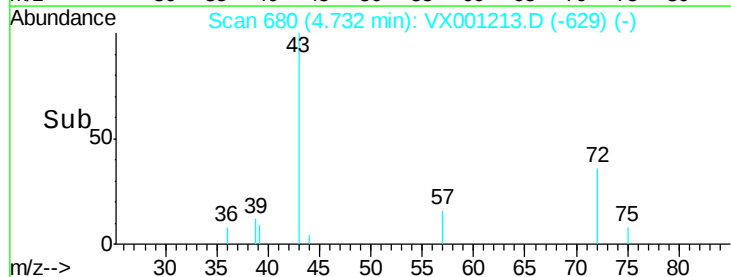
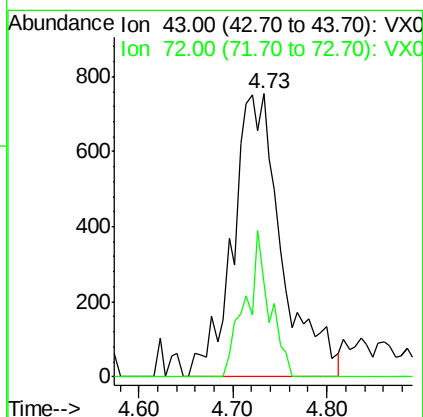
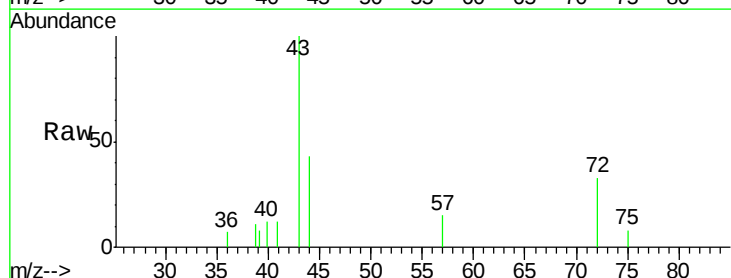
Instrument :
MSVOA_X
ClientSampleId :
BP-EB01-20180425

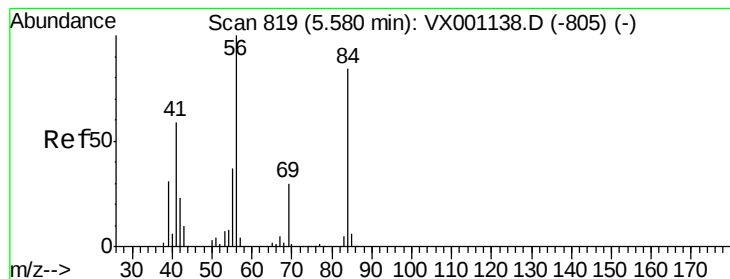
Tgt Ion:	84	Resp:	27991
Ion	Ratio	Lower	Upper
84	100		
49	122.0	99.2	148.8
51	37.9	29.5	44.3
86	60.3	50.2	75.2



#25
2-Butanone
Concen: 1.57 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

Tgt Ion:	43	Resp:	2738
Ion	Ratio	Lower	Upper
43	100		
72	33.2	20.0	30.0#





#31

Cyclohexane

Concen: 1.09 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

BP-EB01-20180425

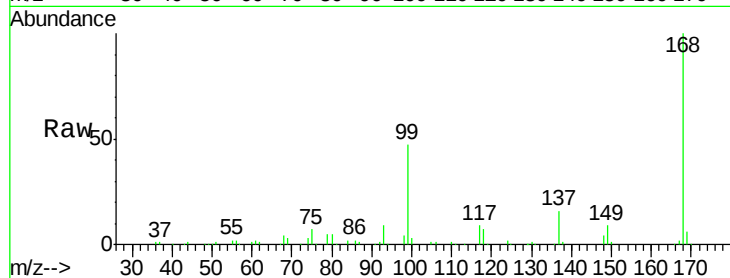
Tgt Ion: 56 Resp: 3279

Ion Ratio Lower Upper

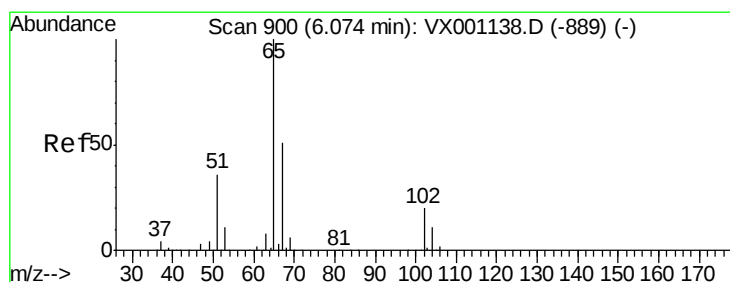
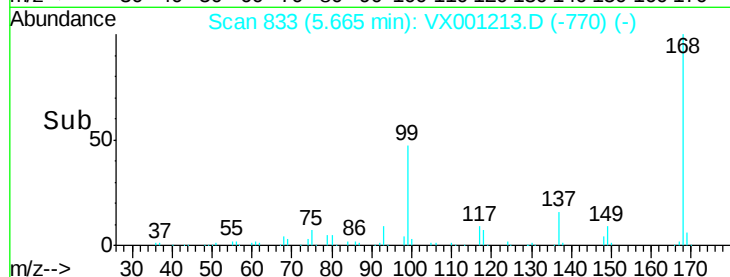
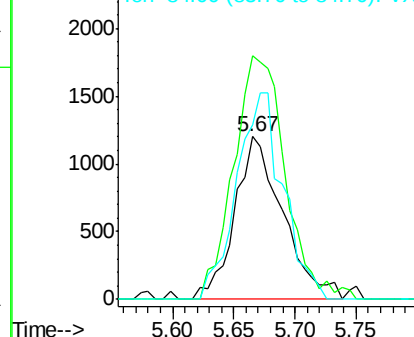
56 100

69 149.8 24.2 36.2#

84 107.3 67.5 101.3#



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: 48.97 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001213.D

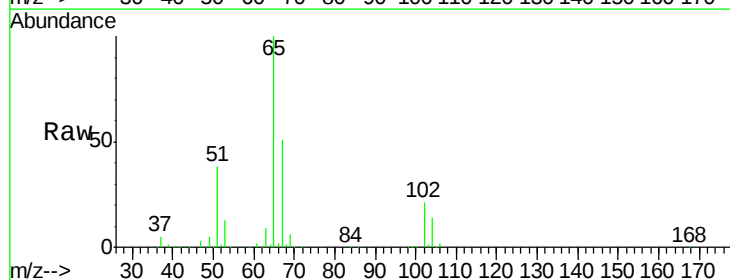
Acq: 28 Apr 2018 15:05

Tgt Ion: 65 Resp: 138727

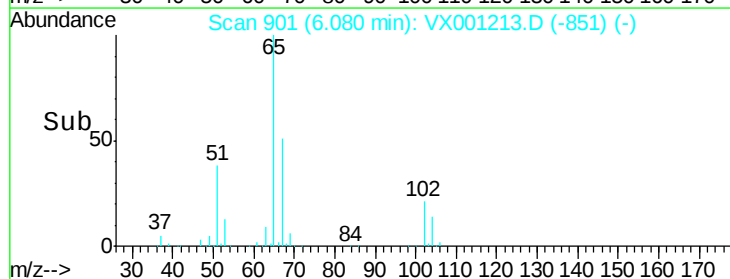
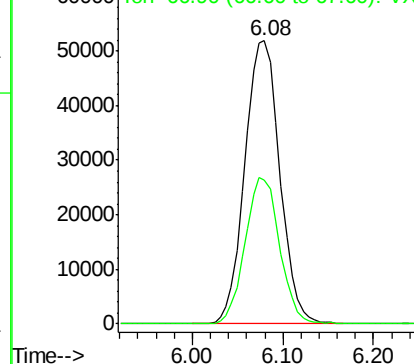
Ion Ratio Lower Upper

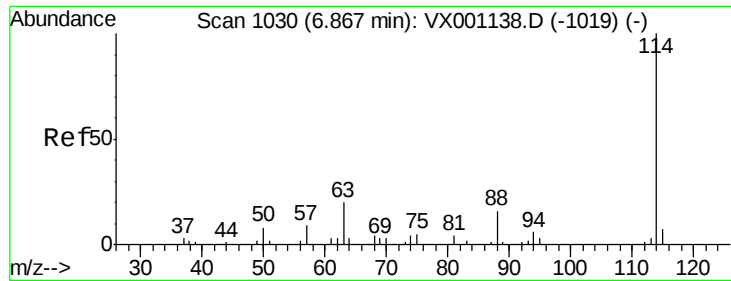
65 100

67 51.0 0.0 102.2



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

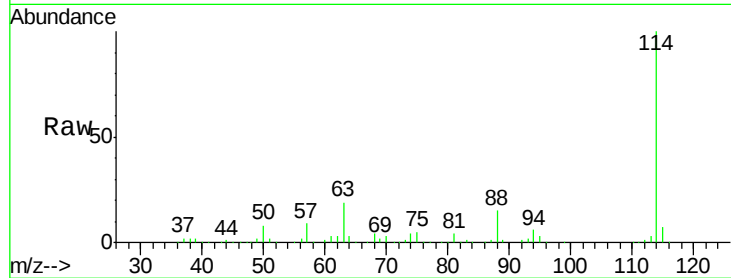




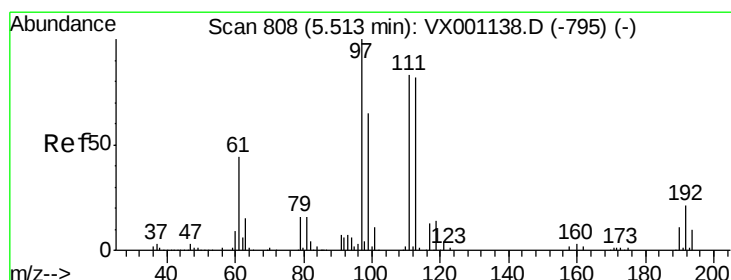
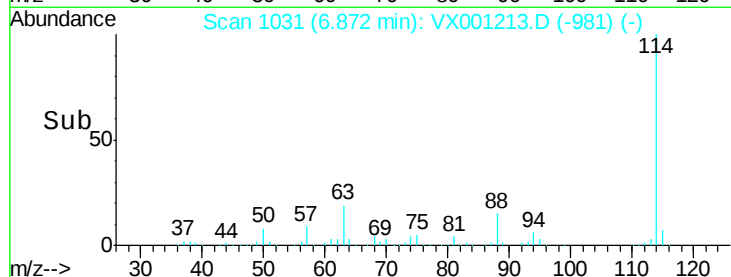
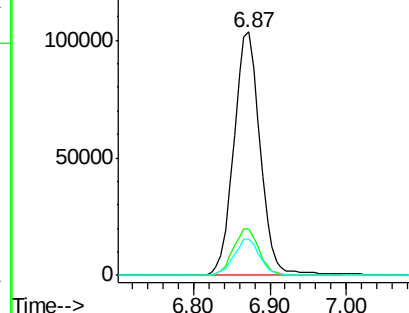
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001213.D
 Acq: 28 Apr 2018 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB01-20180425

Tgt Ion:114 Resp: 246618
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.4
 88 15.1 0.0 31.8

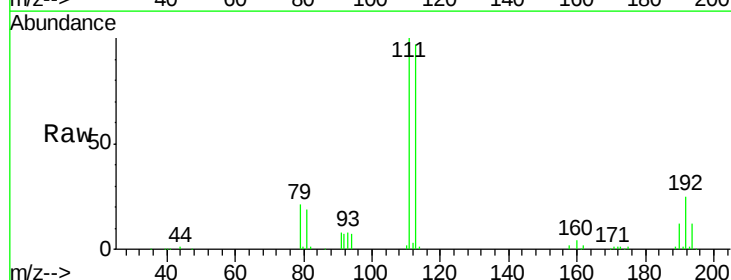


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

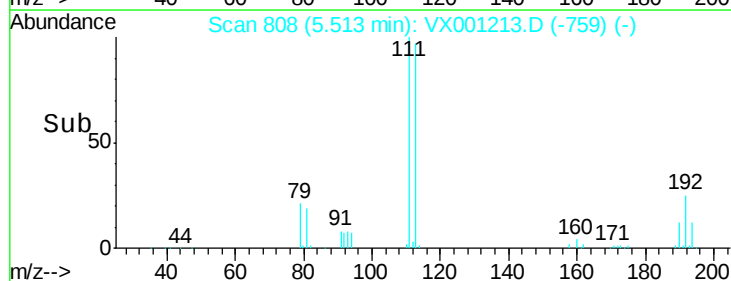
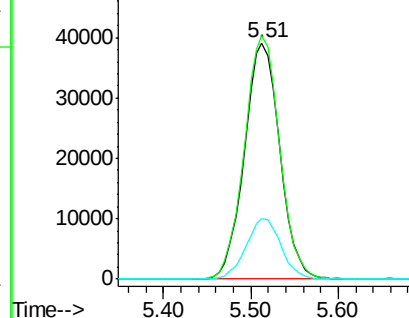


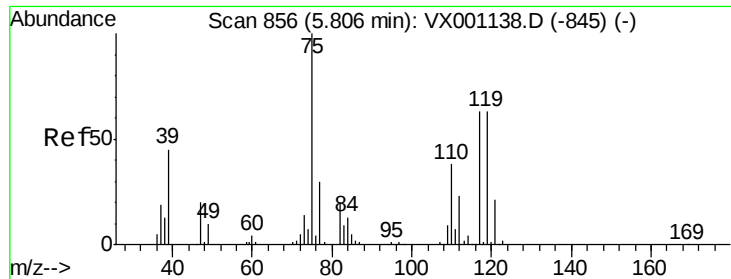
#35
 Dibromofluoromethane
 Concen: 53.75 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001213.D
 Acq: 28 Apr 2018 15:05

Tgt Ion:113 Resp: 109720
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 25.4 20.6 30.8



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

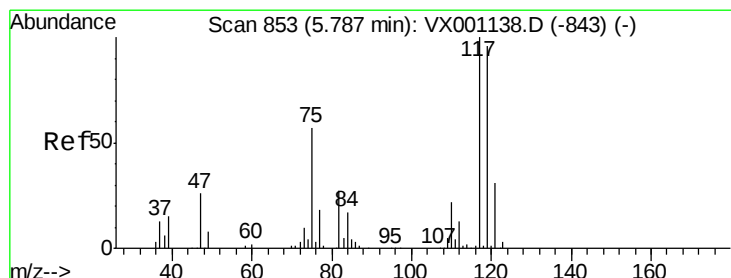
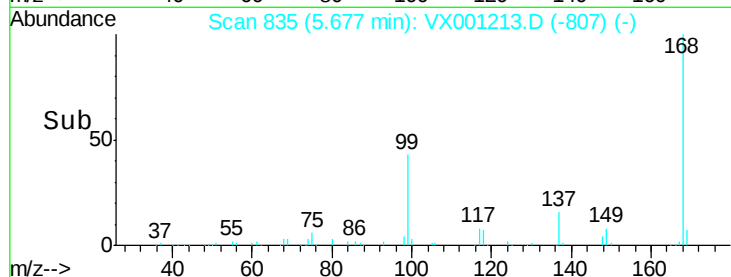
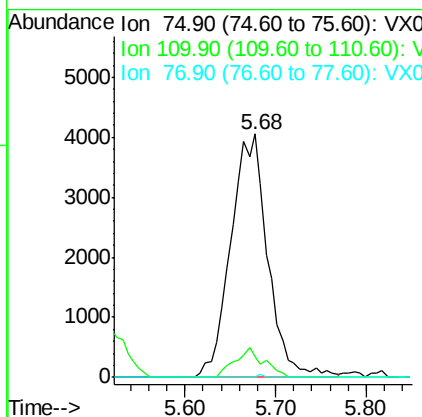
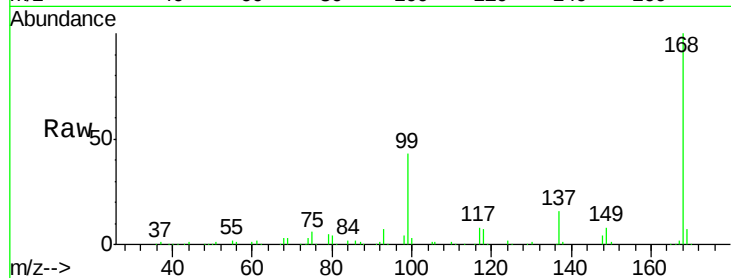




#36
 1,1-Dichloropropene
 Concen: 4.22 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001213.D
 Acq: 28 Apr 2018 15:05

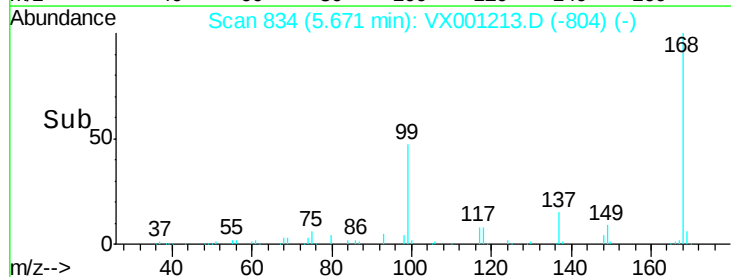
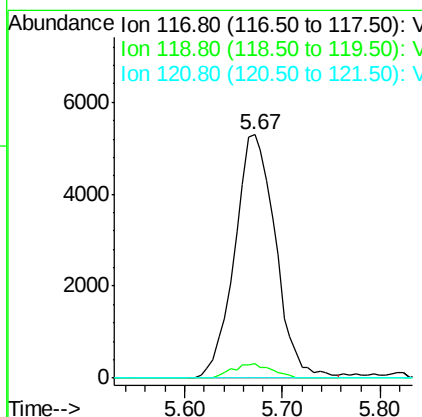
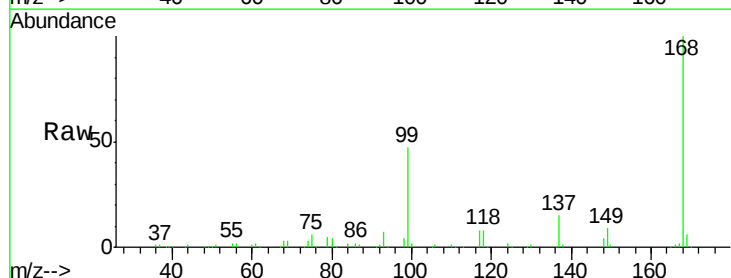
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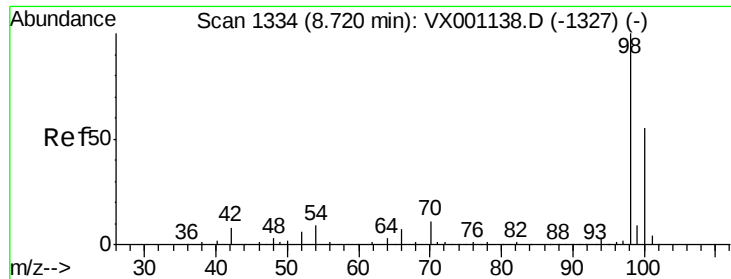
Tgt Ion: 75 Resp: 11472
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.0 57.0#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.52 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001213.D
 Acq: 28 Apr 2018 15:05

Tgt Ion: 117 Resp: 15371
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.5 114.7#
 121 0.0 24.6 37.0#

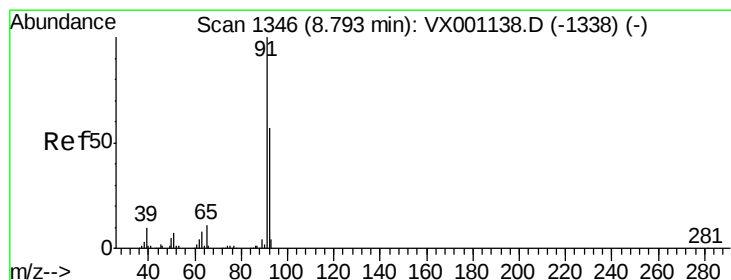
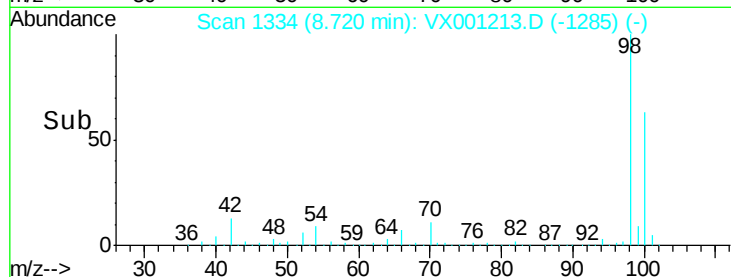
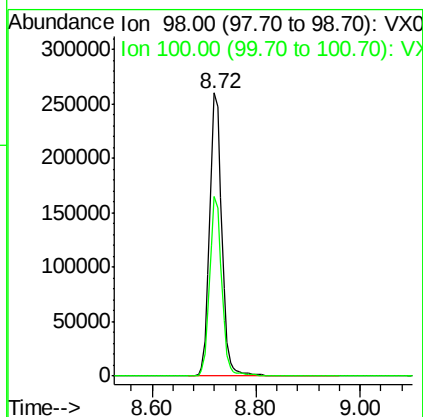
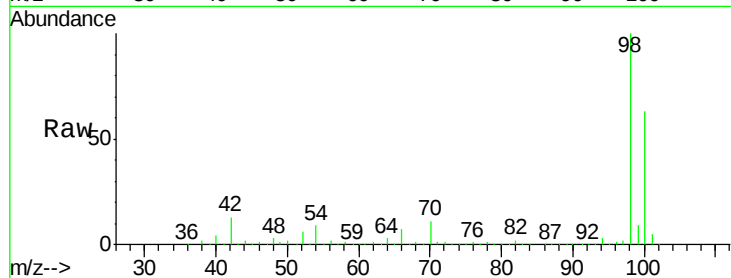




#50
Toluene-d8
Concen: 55.16 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

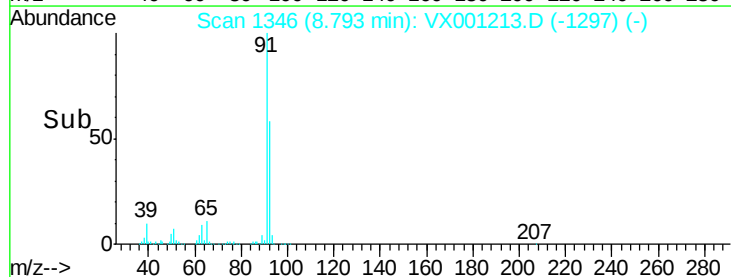
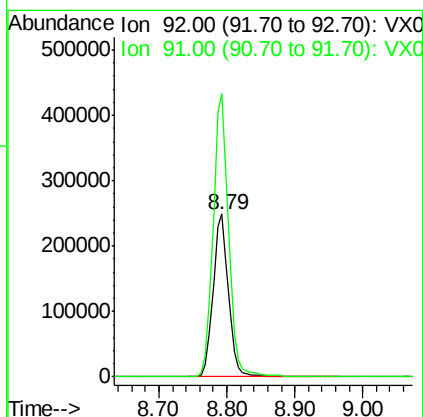
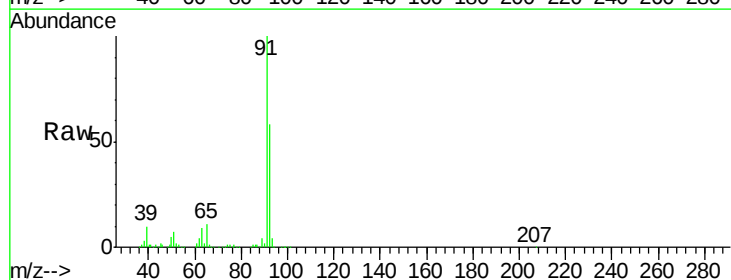
Instrument :
MSVOA_X
ClientSampleId :
BP-EB01-20180425

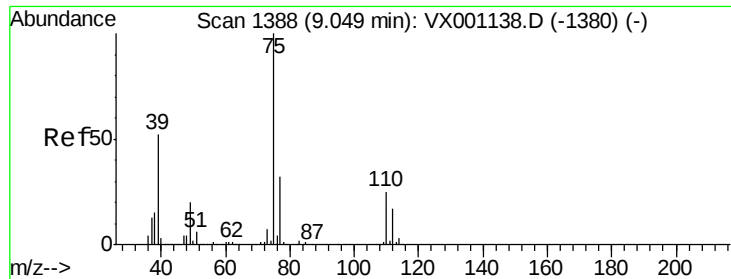
Tgt Ion: 98 Resp: 424947
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.6



#52
Toluene
Concen: 76.26 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001213.D
Acq: 28 Apr 2018 15:05

Tgt Ion: 92 Resp: 392058
Ion Ratio Lower Upper
92 100
91 174.5 139.8 209.6





#54

cis-1,3-Dichloropropene

Concen: 4.54 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.26 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

BP-EB01-20180425

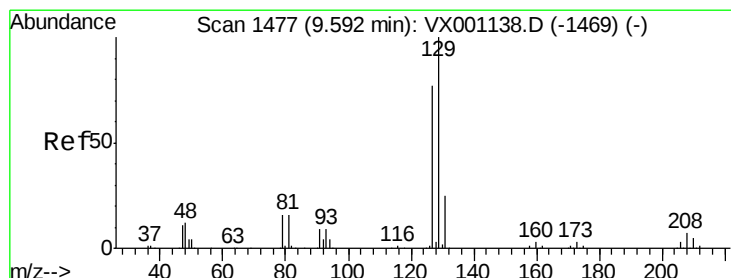
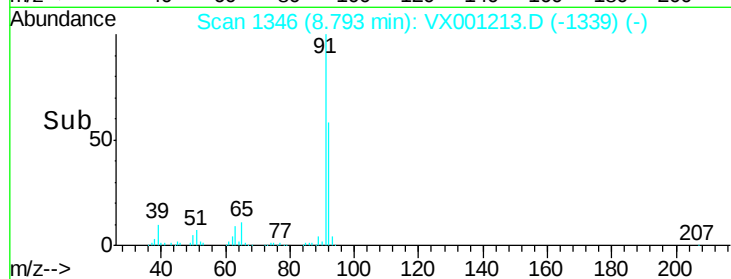
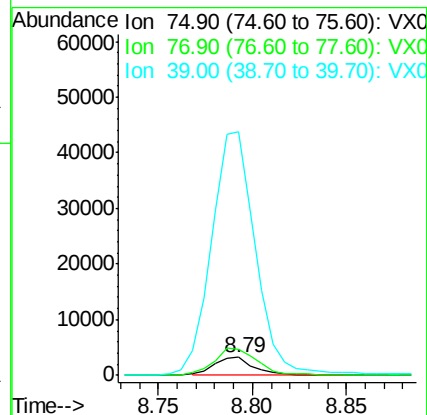
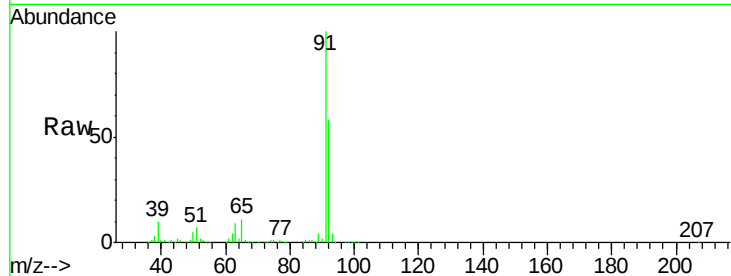
Tgt Ion: 75 Resp: 4737

Ion Ratio Lower Upper

75 100

77 146.1 25.4 38.2#

39 1346.6 42.0 63.0#



#60

Dibromochloromethane

Concen: 3.37 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001213.D

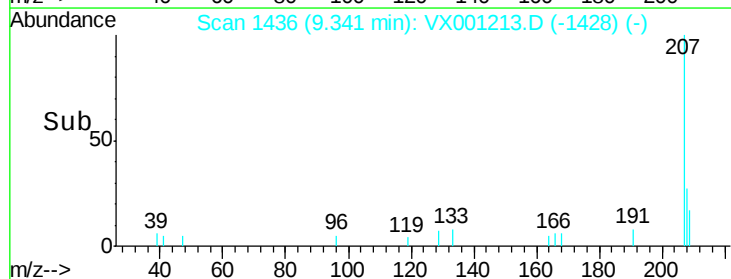
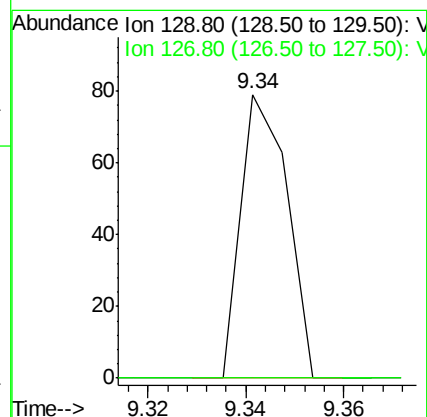
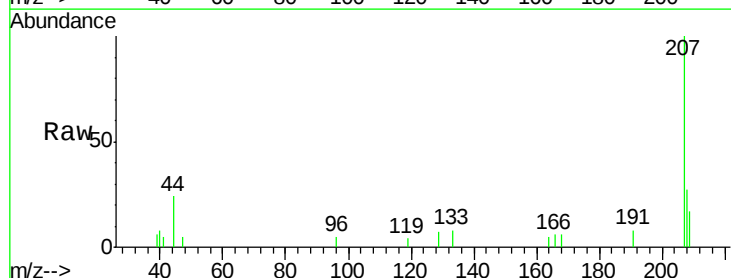
Acq: 28 Apr 2018 15:05

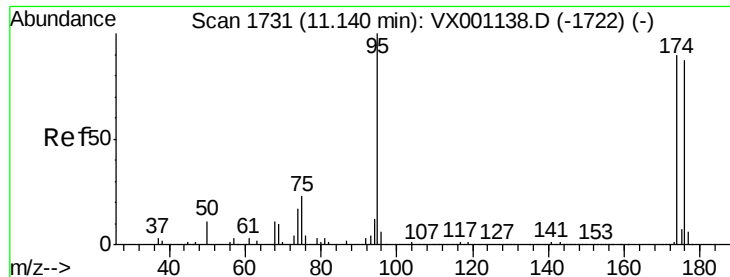
Tgt Ion: 129 Resp: 52

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 48.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

BP-EB01-20180425

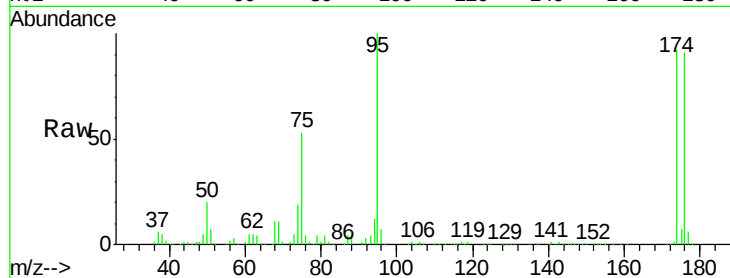
Tgt Ion: 95 Resp: 145201

Ion Ratio Lower Upper

95 100

174 101.8 0.0 194.4

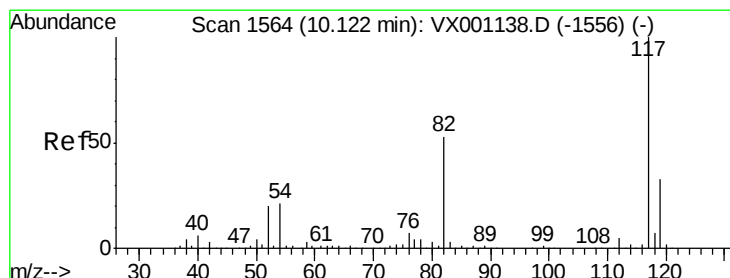
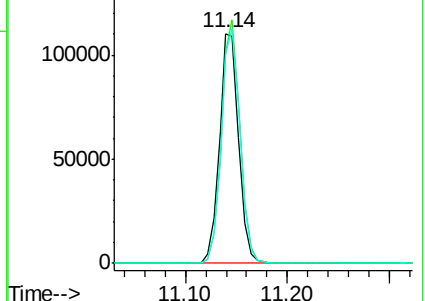
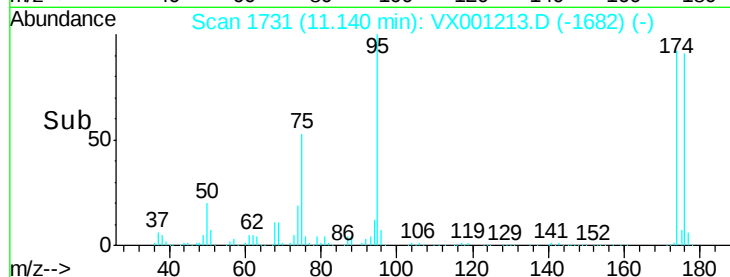
176 99.4 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX001213.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001213.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001213.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

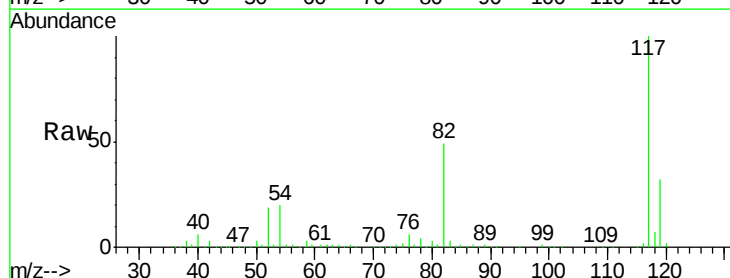
Tgt Ion: 117 Resp: 222481

Ion Ratio Lower Upper

117 100

82 49.5 42.1 63.1

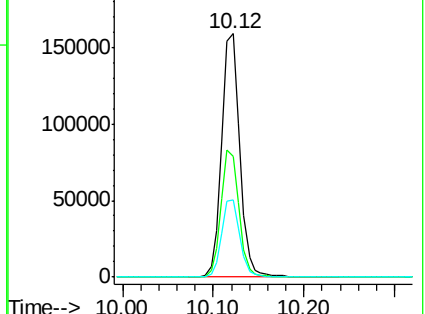
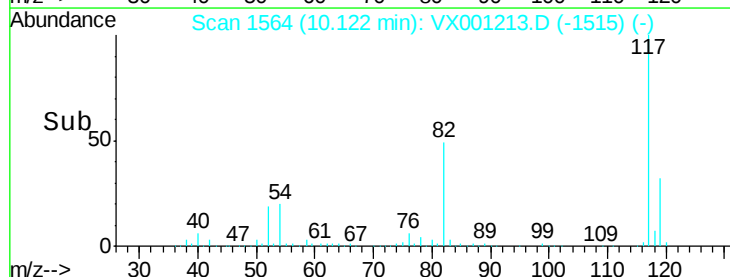
119 31.9 26.1 39.1

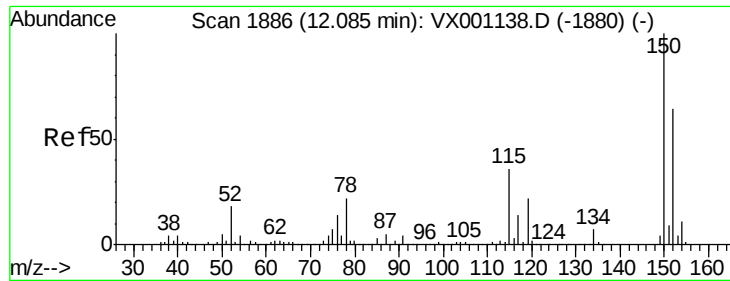


Abundance Ion 116.90 (116.60 to 117.60): VX001213.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001213.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001213.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

BP-EB01-20180425

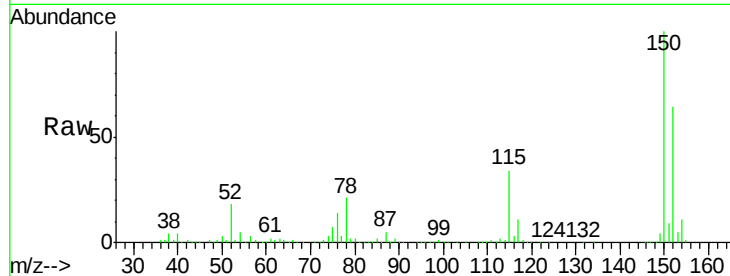
Tgt Ion:152 Resp: 127342

Ion Ratio Lower Upper

152 100

115 52.9 38.0 114.0

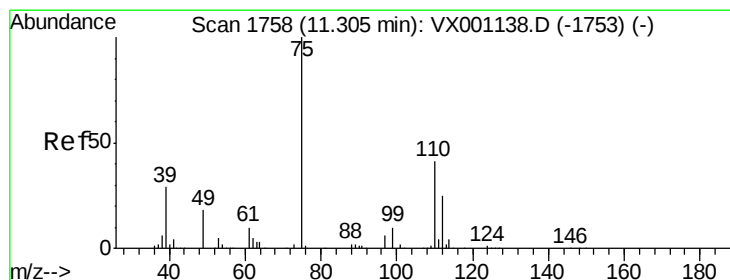
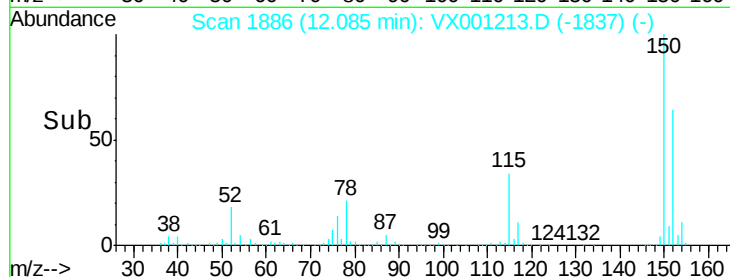
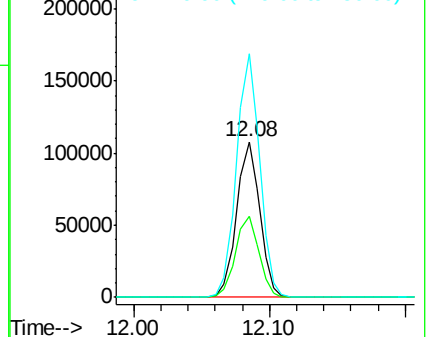
150 157.3 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 28.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001213.D

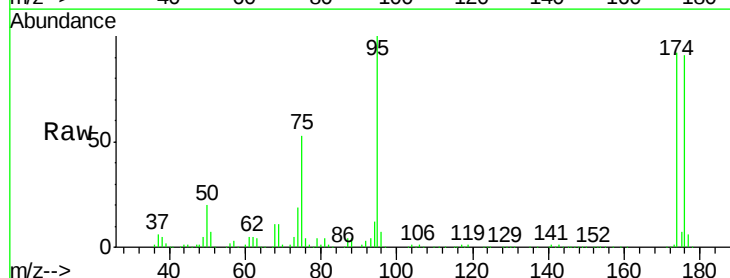
Acq: 28 Apr 2018 15:05

Tgt Ion: 75 Resp: 74522

Ion Ratio Lower Upper

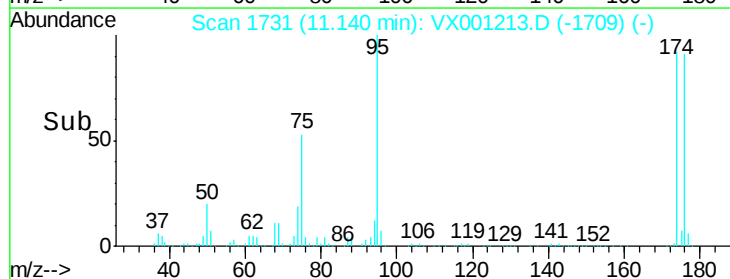
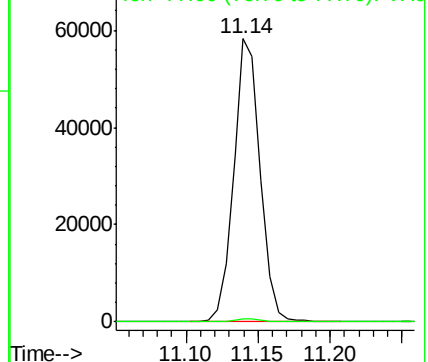
75 100

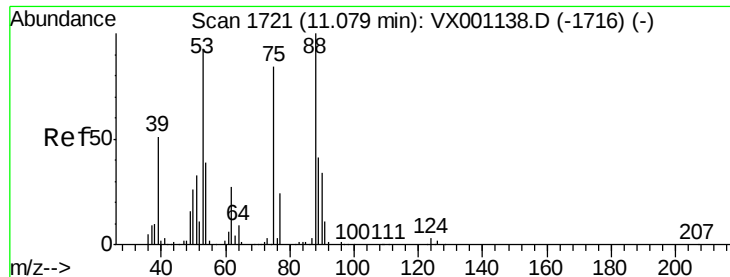
77 1.3 18.9 56.9#



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: 87.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001213.D

Acq: 28 Apr 2018 15:05

Instrument :

MSVOA_X

ClientSampleId :

BP-EB01-20180425

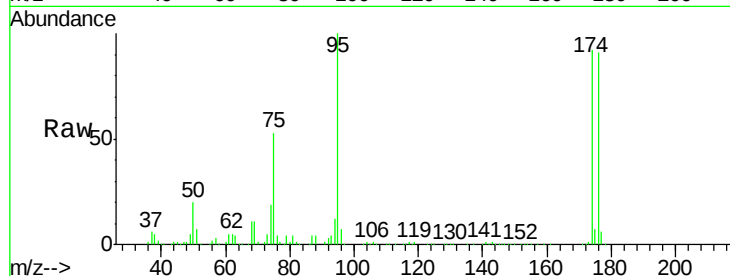
Tgt Ion: 75 Resp: 74522

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

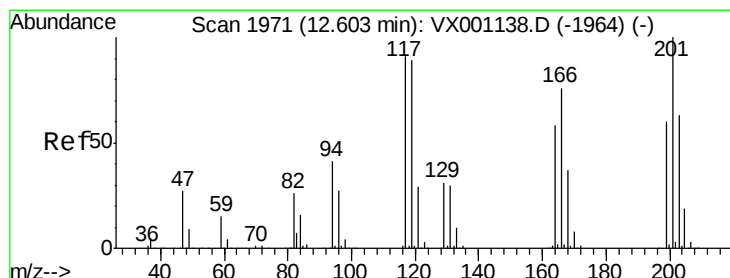
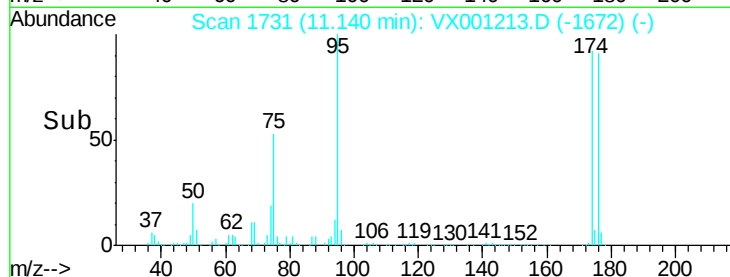
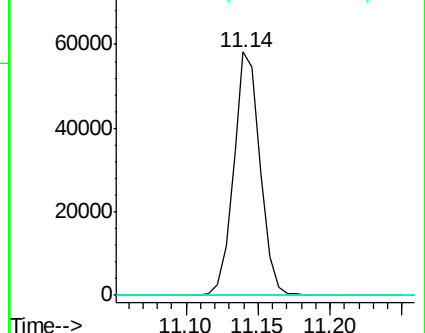
89 0.0 37.7 56.5#



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



#90

Hexachloroethane

Concen: 3.45 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX001213.D

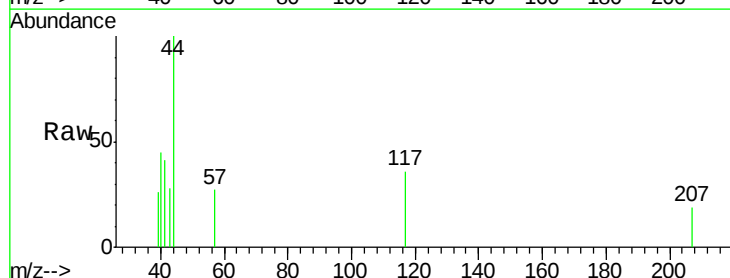
Acq: 28 Apr 2018 15:05

Tgt Ion: 117 Resp: 94

Ion Ratio Lower Upper

117 100

201 0.0 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

