

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000882.D
 Acq On : 14 Apr 2018 18:26
 Operator : JC/MD
 Sample : J2353-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB03-180410

Quant Time: Apr 16 05:52:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178419	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	137481	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
35) Dibromofluoromethane	5.51	113	111914	46.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.06%	
50) Toluene-d8	8.73	98	438443	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.15	95	161786	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	

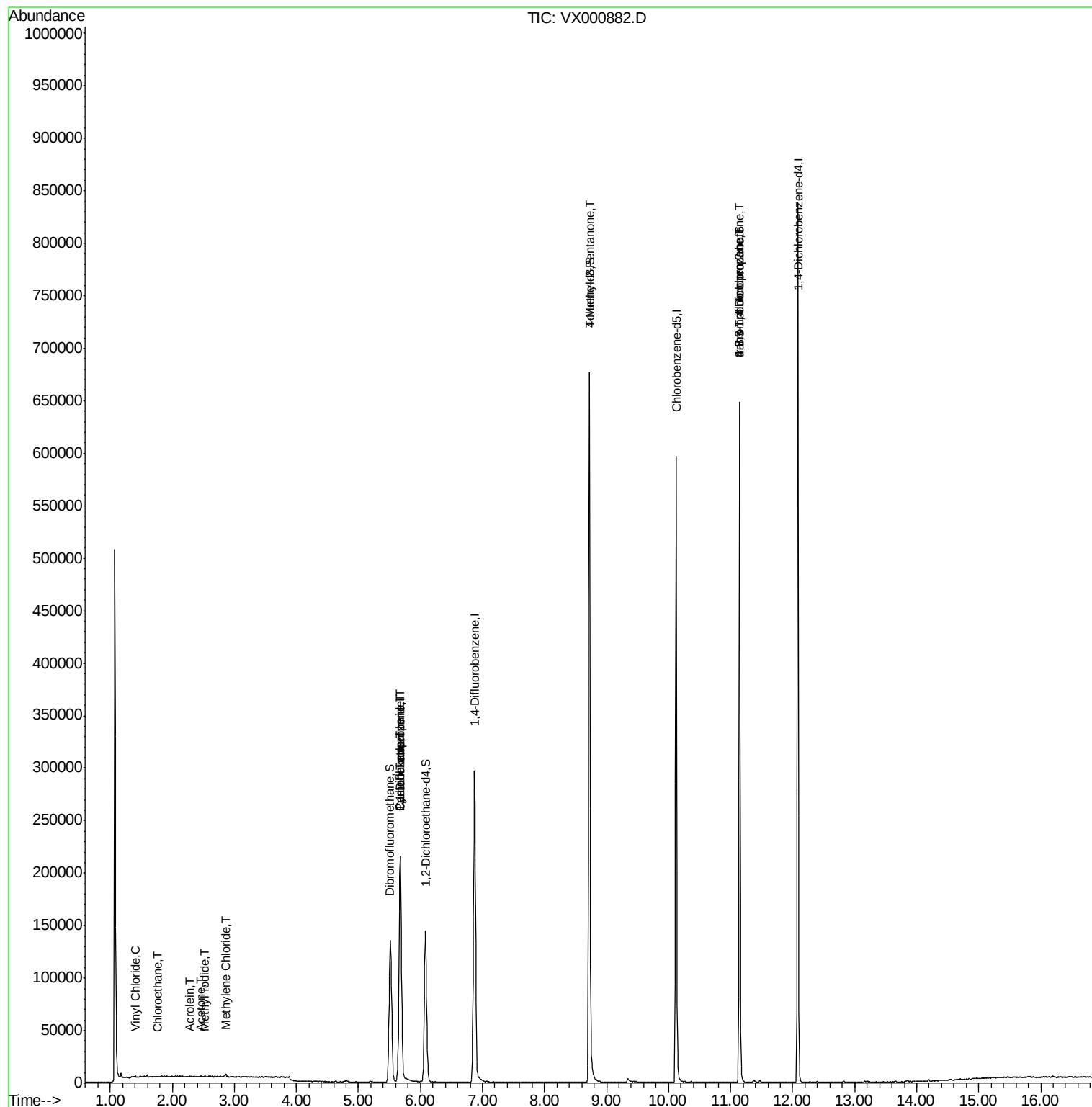
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	570	0.23	ug/l	90
5) Bromomethane	1.65	94	204	Below Cal	#	56
6) Chloroethane	1.76	64	1273	0.83	ug/l #	81
10) Methyl Iodide	2.51	142	59	8.26	ug/l #	42
13) Acrolein	2.28	56	59	0.23	ug/l #	1
16) Acetone	2.46	43	808	0.80	ug/l #	79
20) Methylene Chloride	2.87	84	1123	0.48	ug/l #	87
31) Cyclohexane	5.67	56	4129	1.07	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	14351	4.13	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20028	5.15	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	2207	0.65	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	79924	25.97	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	79924	71.45	ug/l #	11

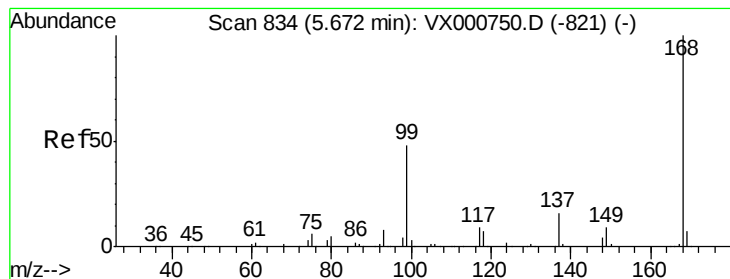
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

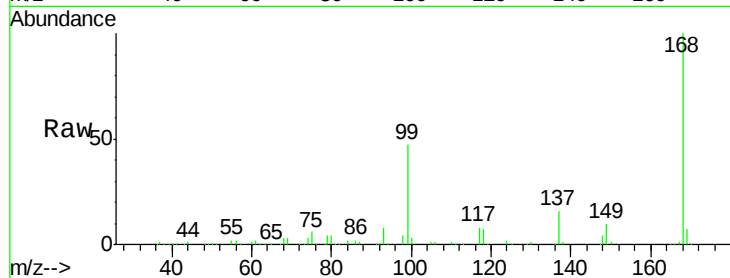
Z1TB03-180410

Tgt Ion: 168 Resp: 232039

Ion Ratio Lower Upper

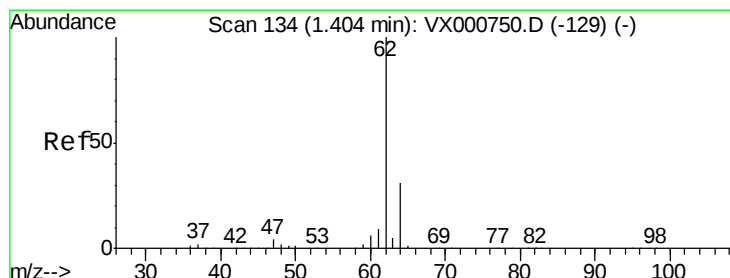
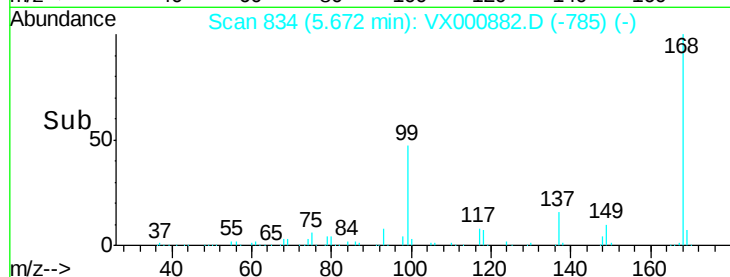
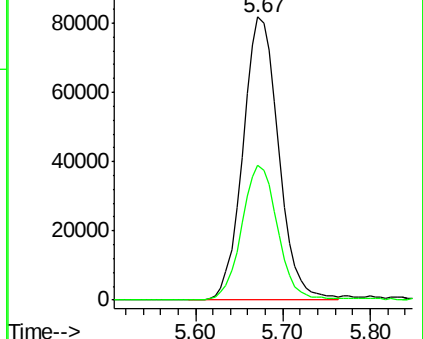
168 100

99 47.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000882.D

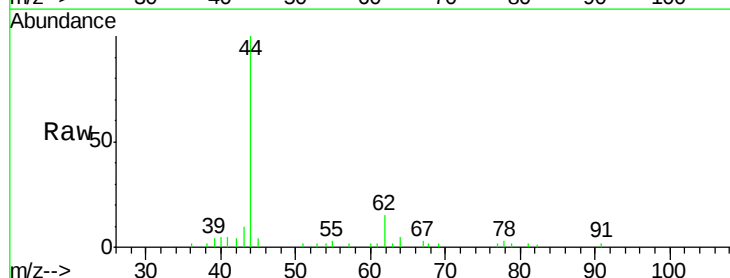
Acq: 14 Apr 2018 18:26

Tgt Ion: 62 Resp: 570

Ion Ratio Lower Upper

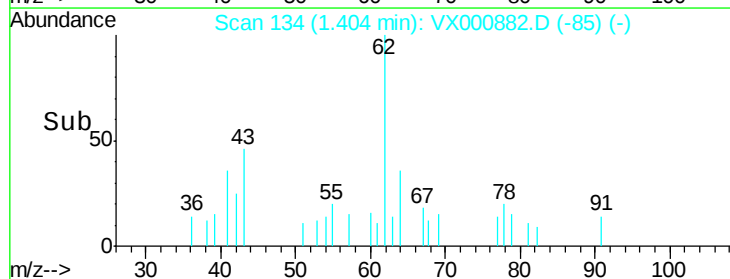
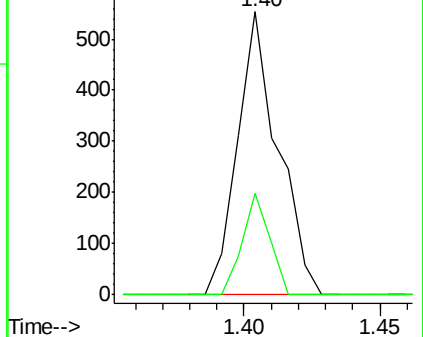
62 100

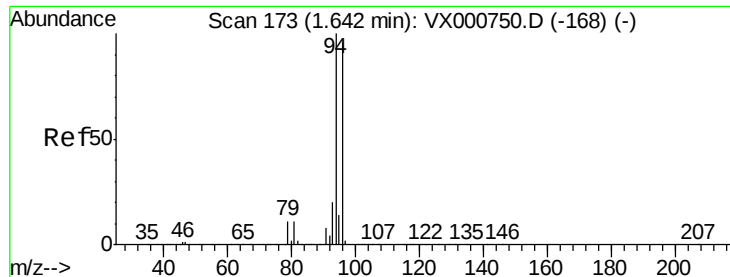
64 36.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

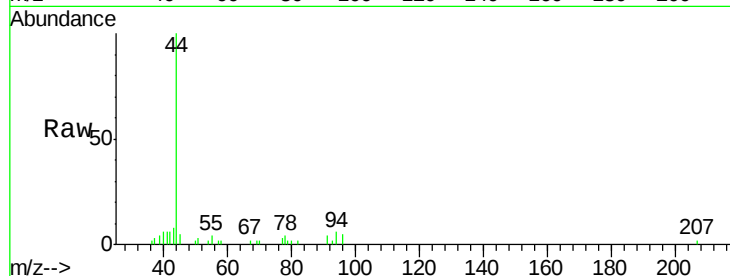
Z1TB03-180410

Tgt Ion: 94 Resp: 204

Ion Ratio Lower Upper

94 100

96 52.9 77.0 115.6#



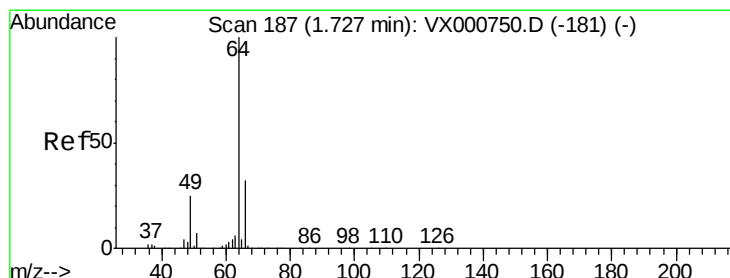
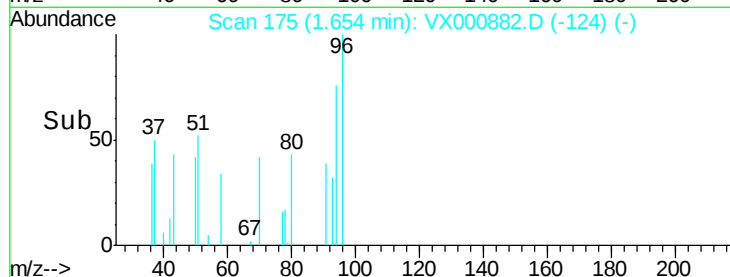
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1.62 1.64 1.66

Time-->



#6

Chloroethane

Concen: 0.83 ug/l

RT: 1.76 min Scan# 193

Delta R.T. 0.04 min

Lab File: VX000882.D

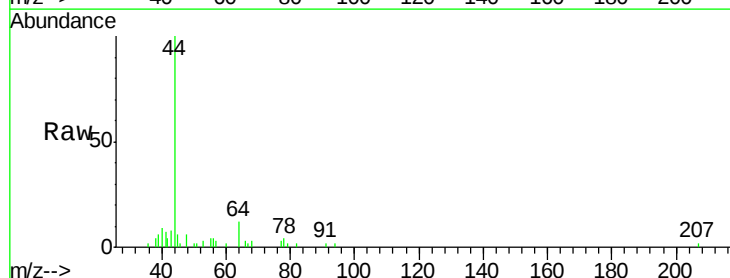
Acq: 14 Apr 2018 18:26

Tgt Ion: 64 Resp: 1273

Ion Ratio Lower Upper

64 100

66 21.2 25.3 37.9#



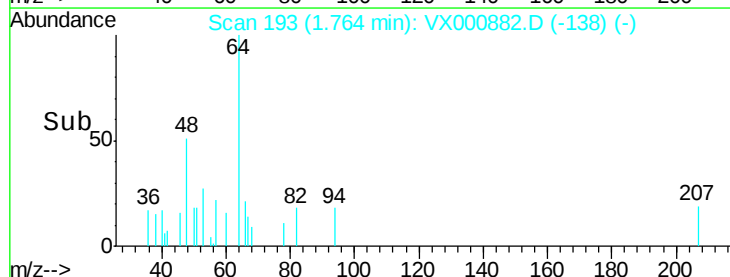
Abundance Ion 63.90 (63.60 to 64.60): VX0

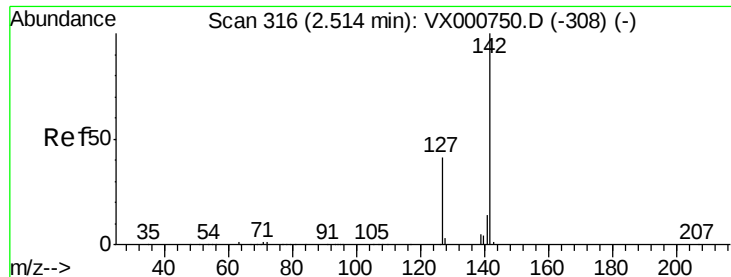
Ion 65.90 (65.60 to 66.60): VX0

1.76

1.65 1.70 1.75 1.80

Time-->





#10

Methyl Iodide

Concen: 8.26 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1TB03-180410

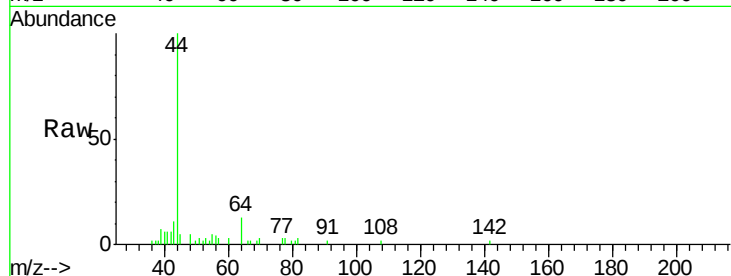
Tgt Ion:142 Resp: 59

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

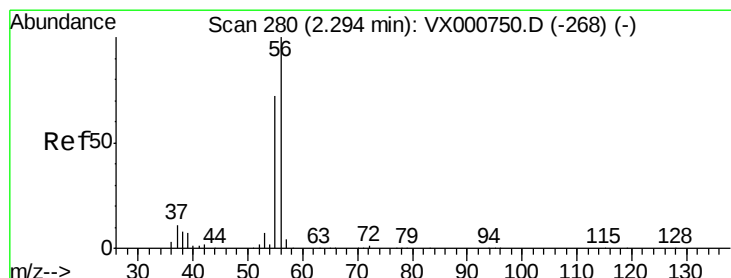
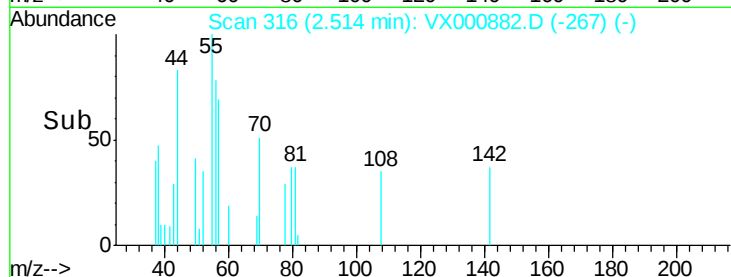
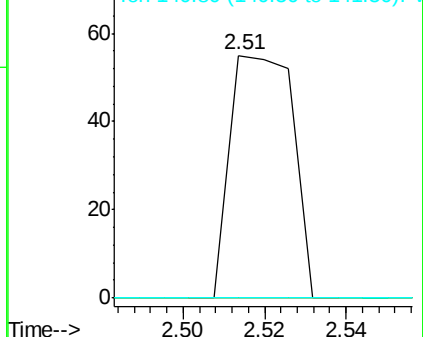
141 0.0 11.5 17.3#



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: 0.23 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000882.D

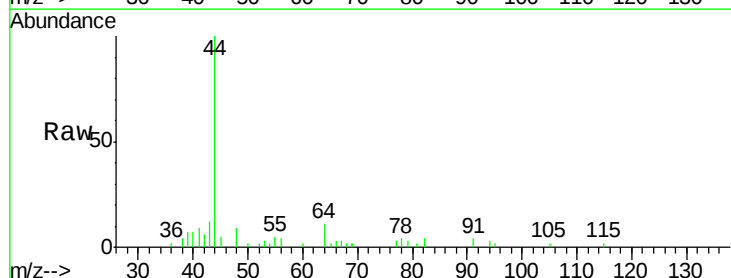
Acq: 14 Apr 2018 18:26

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

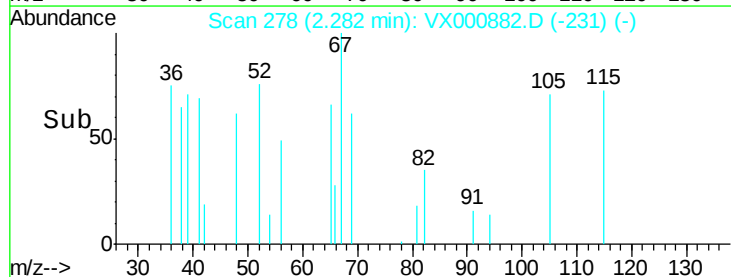
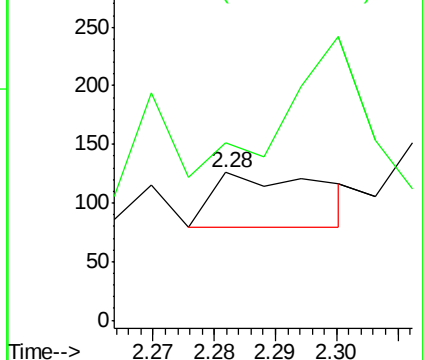
56 100

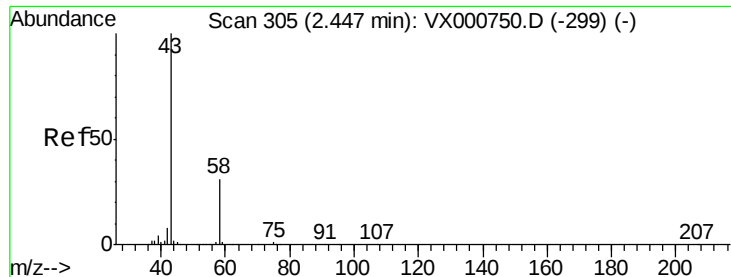
55 161.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.80 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

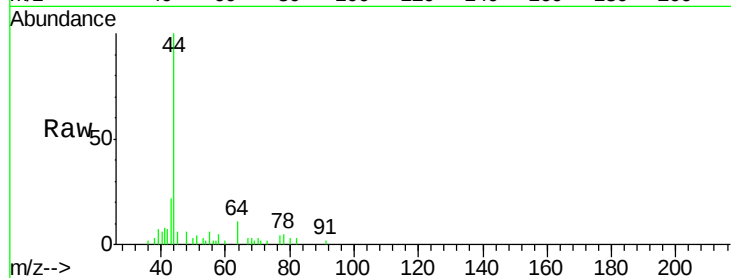
Z1TB03-180410

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

58 42.5 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.46

600

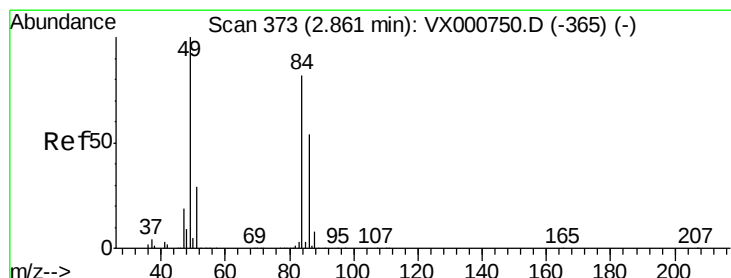
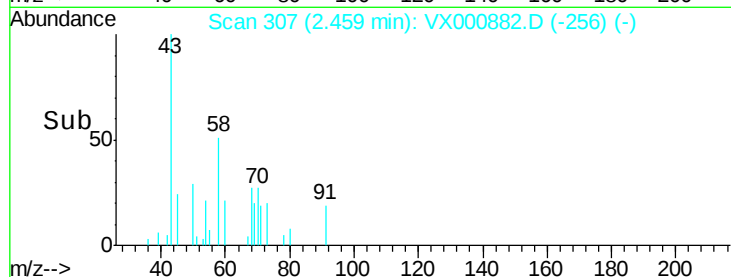
400

200

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.48 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Tgt Ion: 84 Resp: 1123

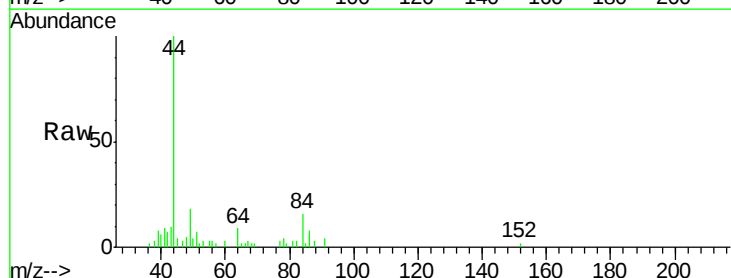
Ion Ratio Lower Upper

84 100

49 111.7 98.1 147.1

51 31.1 28.9 43.3

86 49.1 52.7 79.1#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

600

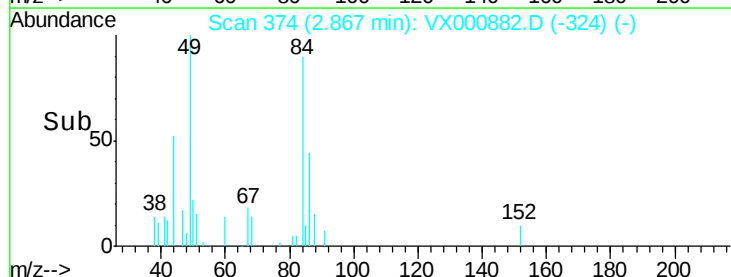
400

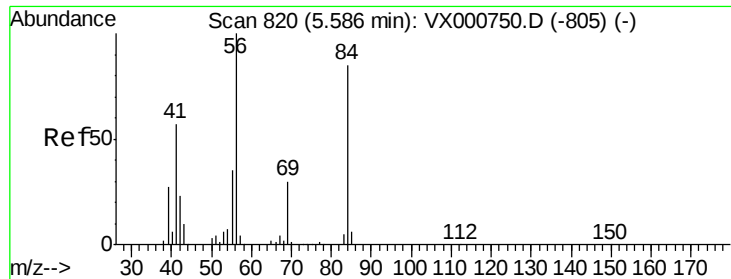
200

0

2.80 2.85 2.90 2.95

Time-->

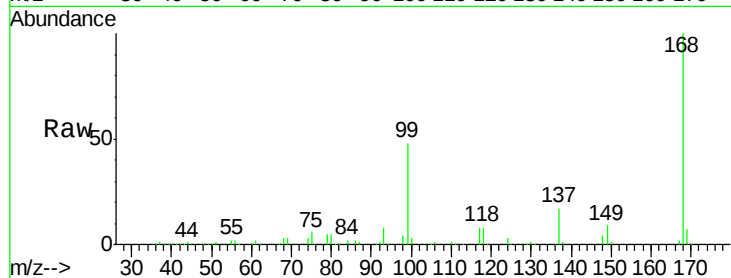




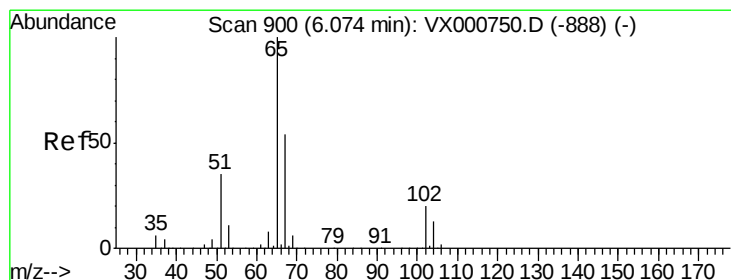
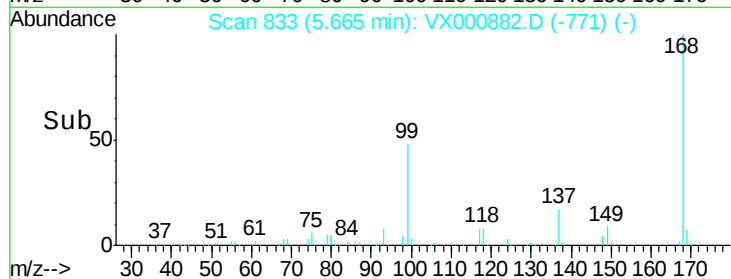
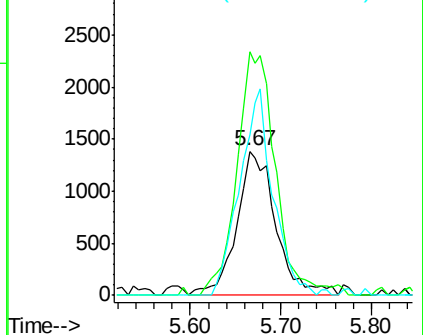
#31
Cyclohexane
Concen: 1.07 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000882.D
Acq: 14 Apr 2018 18:26

Instrument :
MSVOA_X
ClientSampleId :
Z1TB03-180410

Tgt Ion: 56 Resp: 4129
Ion Ratio Lower Upper
56 100
69 169.1 24.2 36.4#
84 111.6 67.6 101.4#

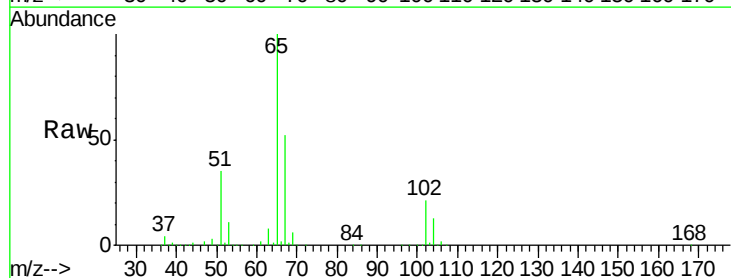


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

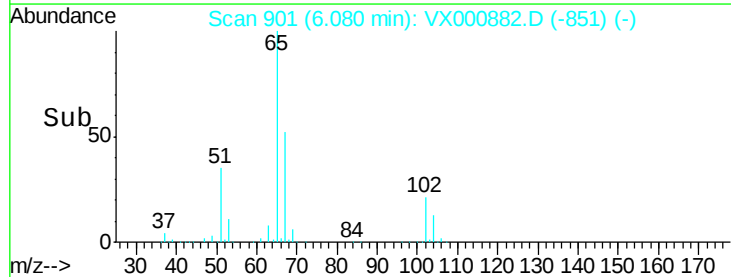
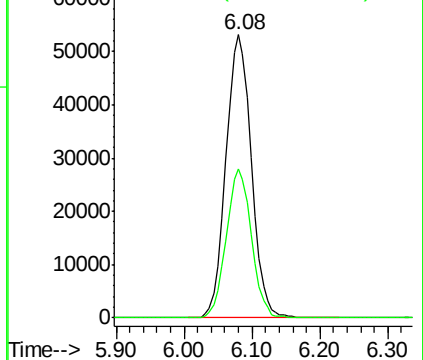


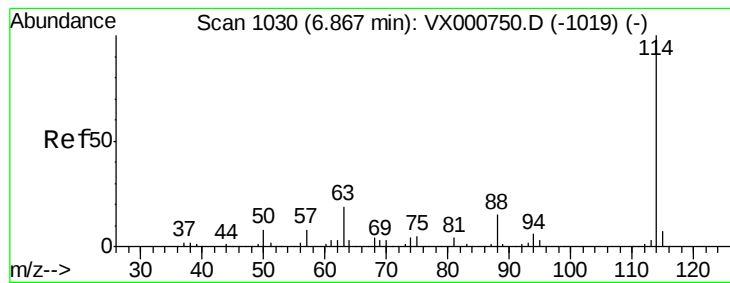
#33
1,2-Dichloroethane-d4
Concen: 46.99 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000882.D
Acq: 14 Apr 2018 18:26

Tgt Ion: 65 Resp: 137481
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8



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: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1TB03-180410

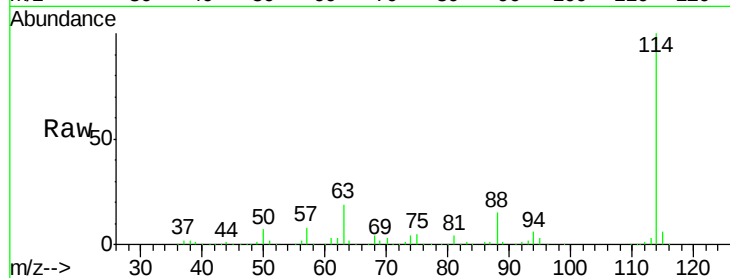
Tgt Ion:114 Resp: 315567

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

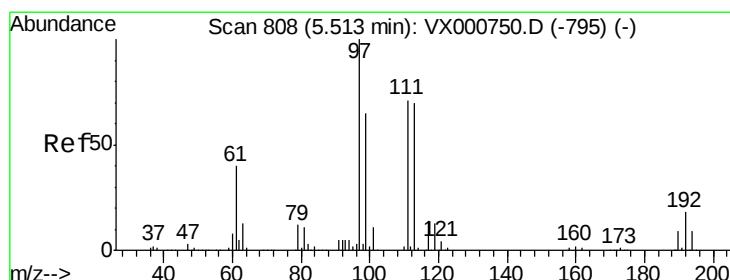
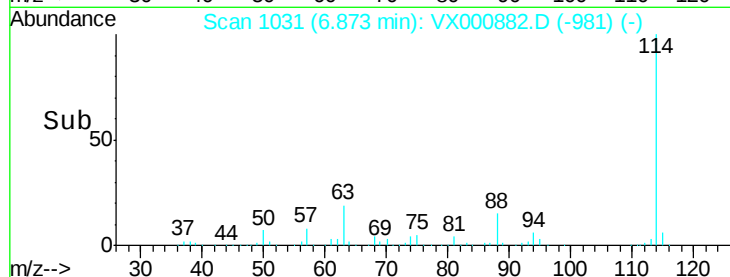
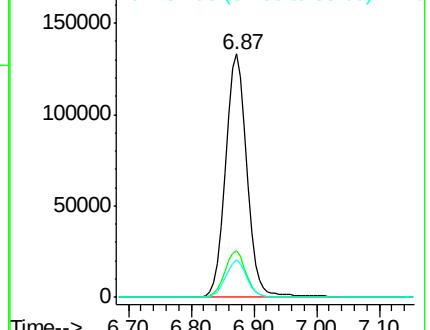
88 15.2 0.0 31.0



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: 46.03 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

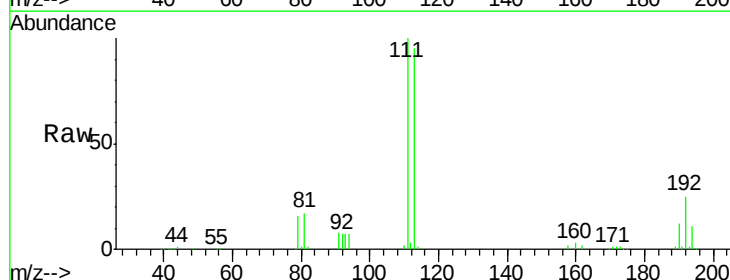
Tgt Ion:113 Resp: 111914

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

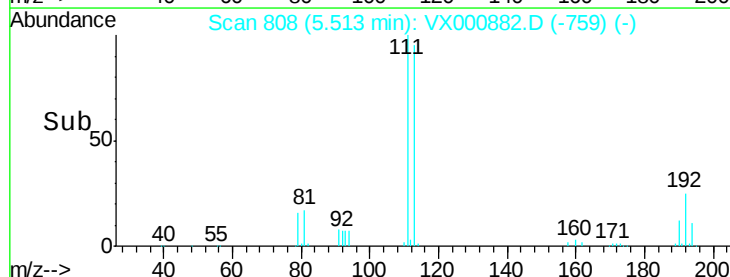
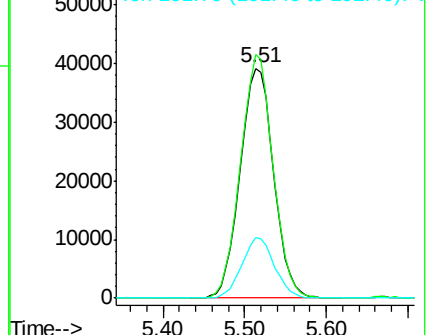
192 25.6 20.4 30.6

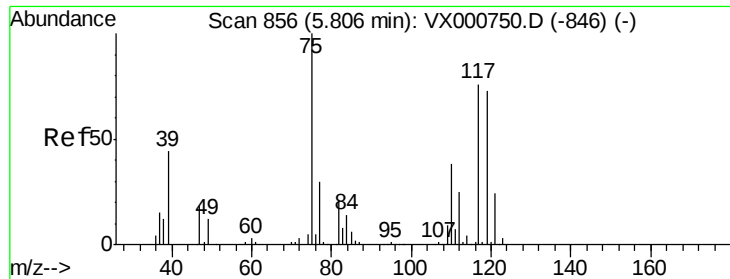


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

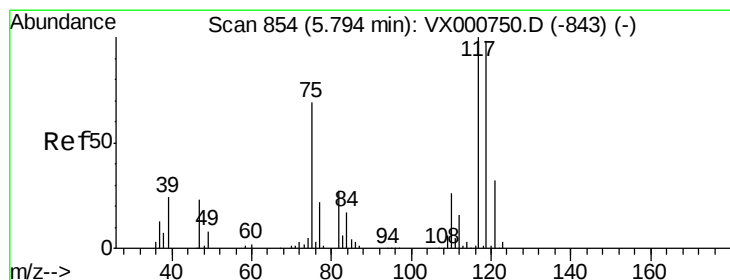
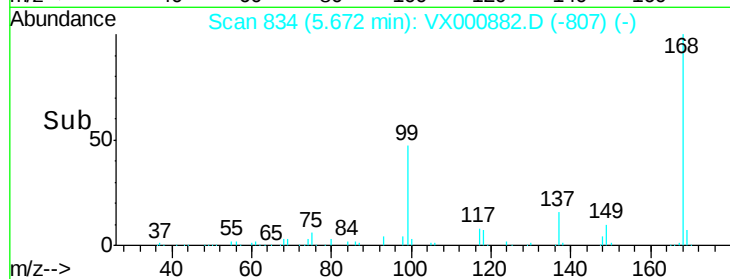
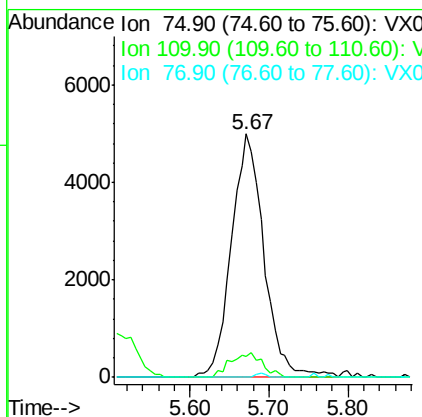
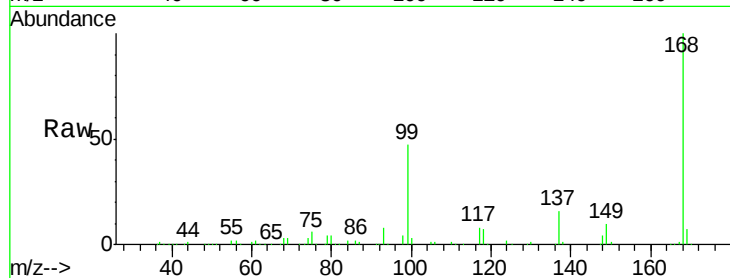




#36
 1,1-Dichloropropene
 Concen: 4.13 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000882.D
 Acq: 14 Apr 2018 18:26

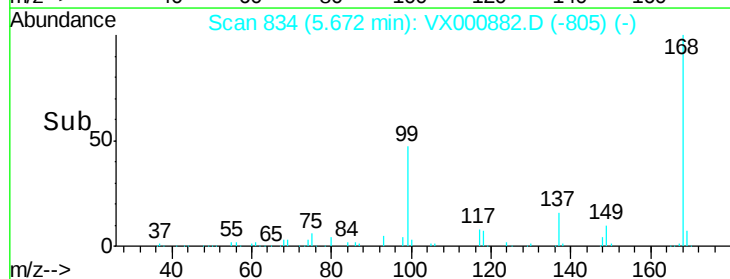
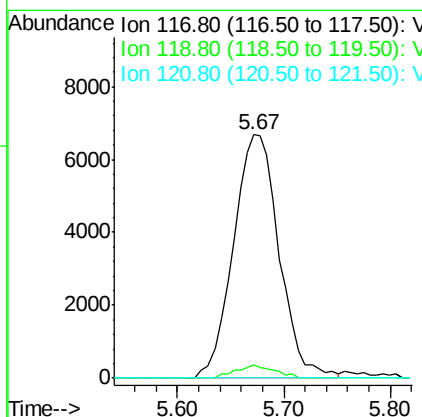
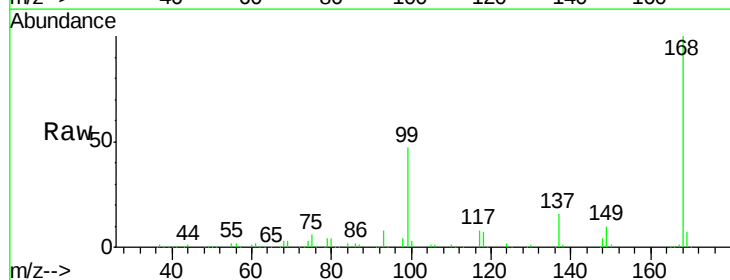
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB03-180410

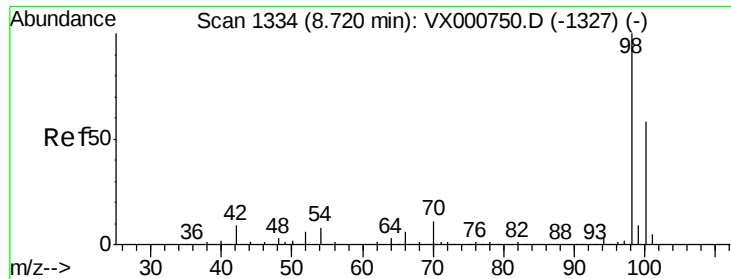
Tgt Ion: 75 Resp: 14351
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.2 57.6#
 77 0.5 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000882.D
 Acq: 14 Apr 2018 18:26

Tgt Ion: 117 Resp: 20028
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.43 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

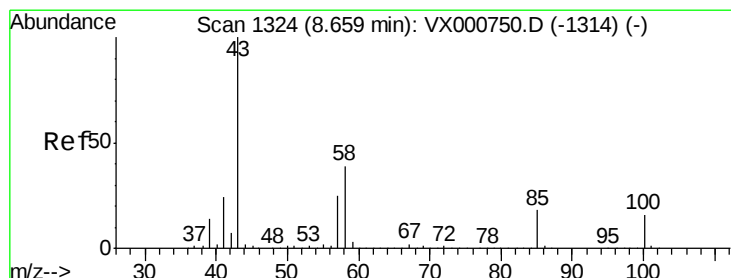
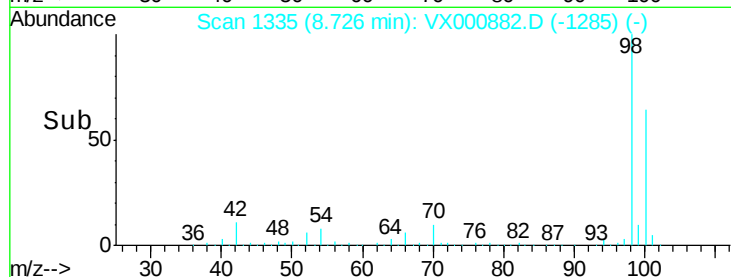
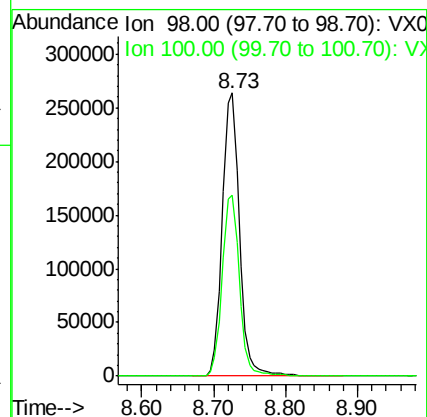
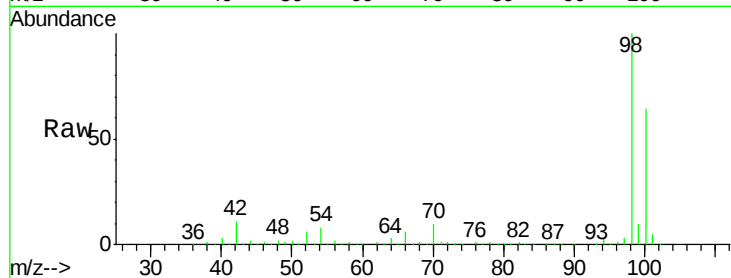
Z1TB03-180410

Tgt Ion: 98 Resp: 438443

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 0.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000882.D

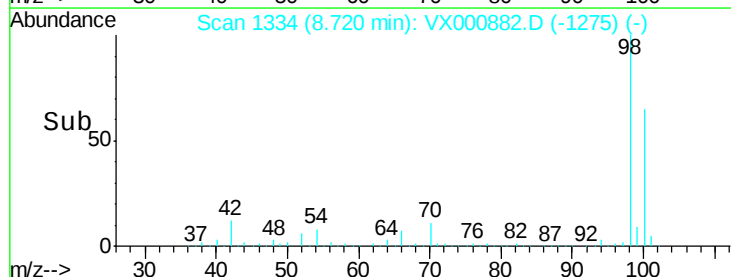
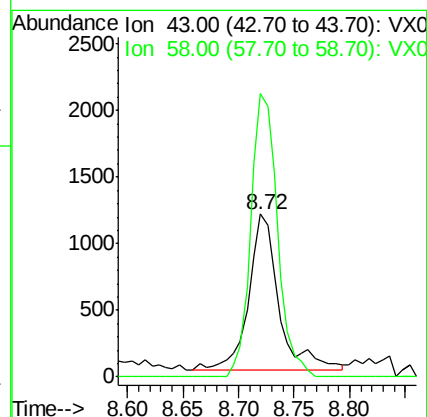
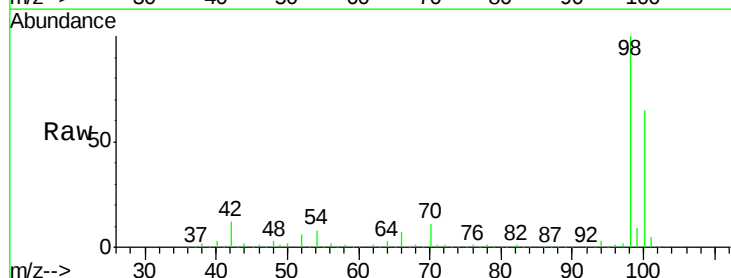
Acq: 14 Apr 2018 18:26

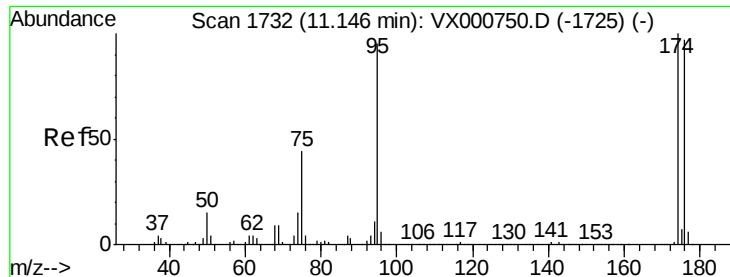
Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

58 160.6 30.3 45.5#

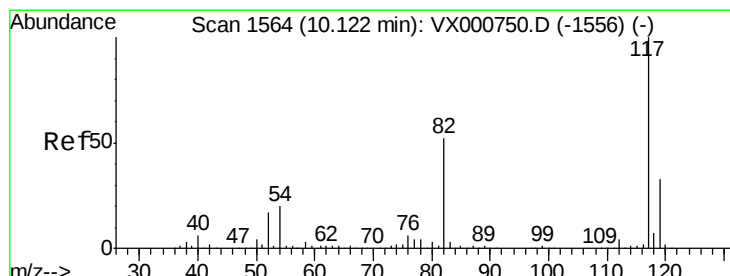
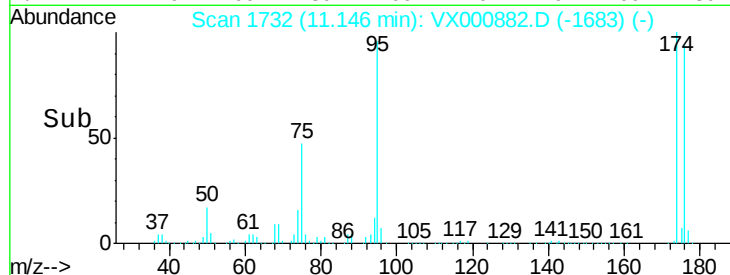
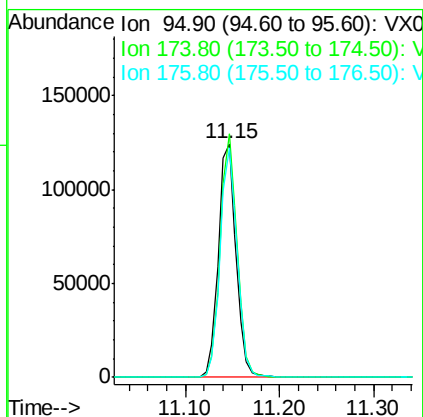
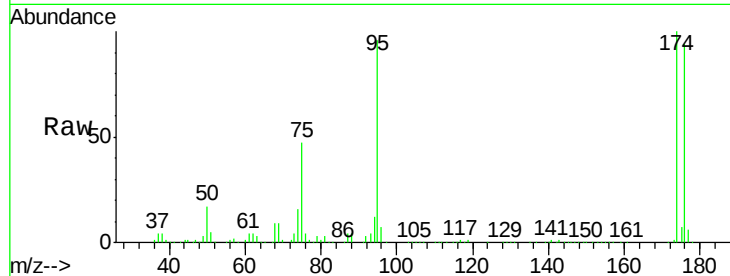




#62
4-Bromofluorobenzene
Concen: 43.20 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000882.D
Acq: 14 Apr 2018 18:26

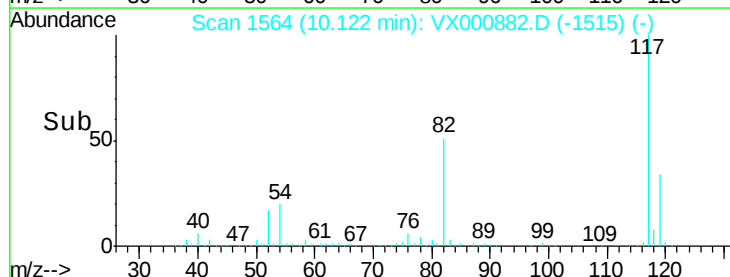
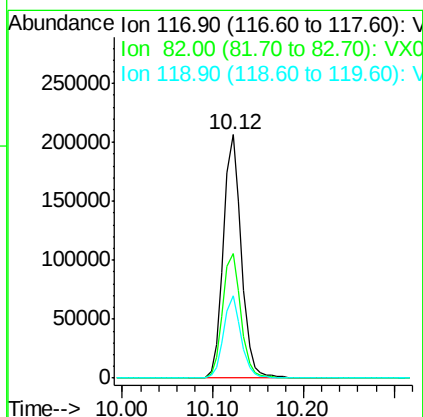
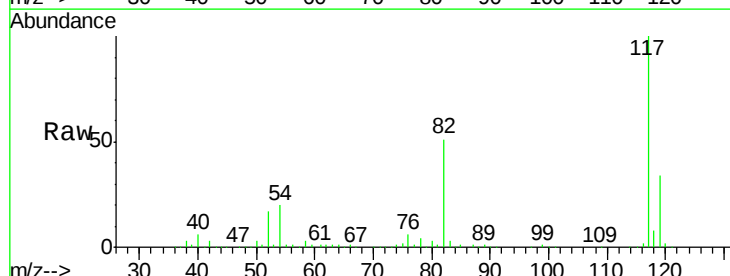
Instrument :
MSVOA_X
ClientSampleId :
Z1TB03-180410

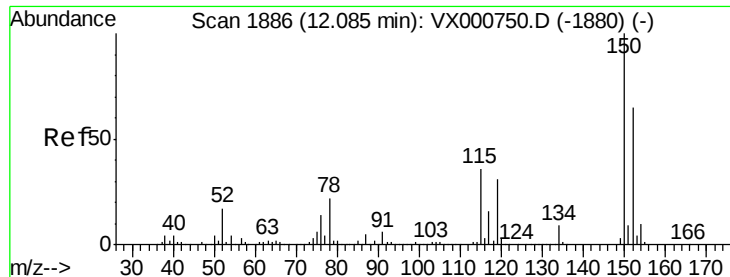
Tgt Ion: 95 Resp: 161786
Ion Ratio Lower Upper
95 100
174 99.8 0.0 198.4
176 95.1 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000882.D
Acq: 14 Apr 2018 18:26

Tgt Ion: 117 Resp: 285578
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 33.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000882.D

Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1TB03-180410

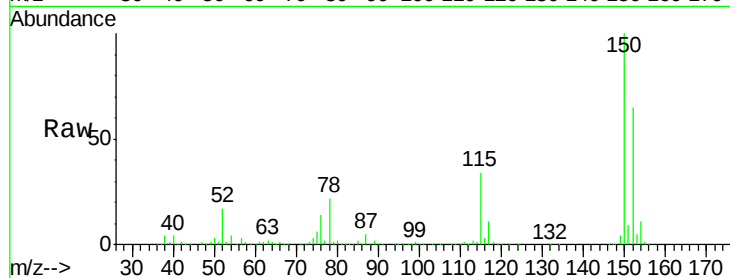
Tgt Ion:152 Resp: 178419

Ion Ratio Lower Upper

152 100

115 53.8 37.9 113.7

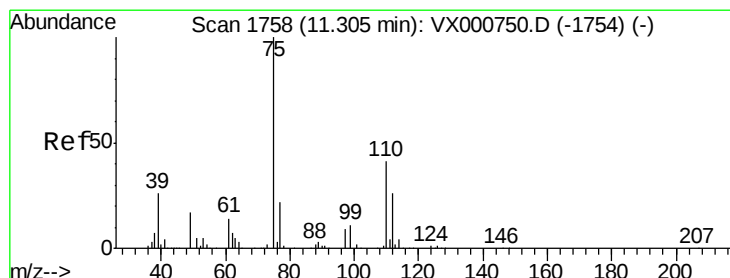
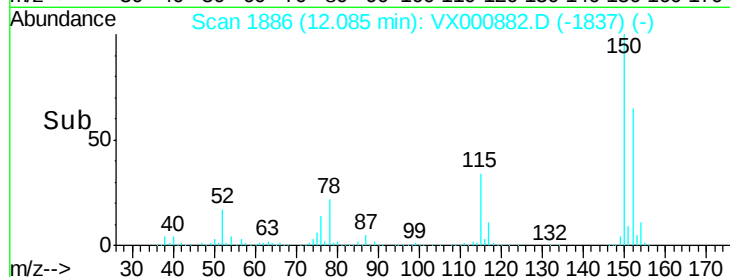
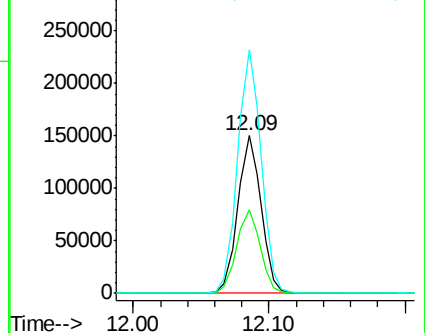
150 156.6 0.0 348.0



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: 25.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000882.D

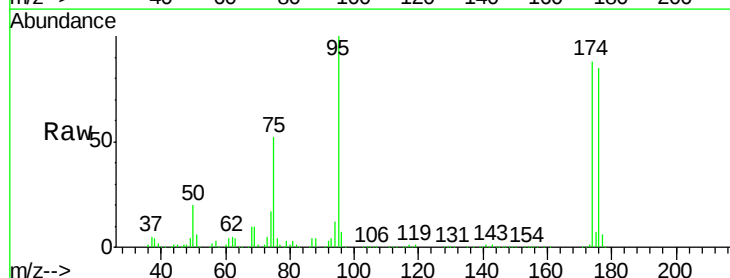
Acq: 14 Apr 2018 18:26

Tgt Ion: 75 Resp: 79924

Ion Ratio Lower Upper

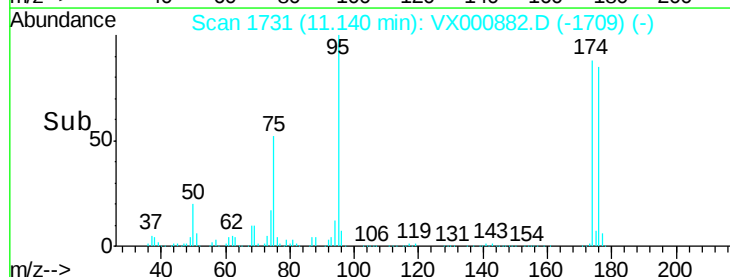
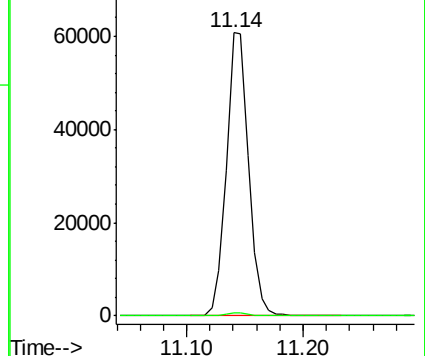
75 100

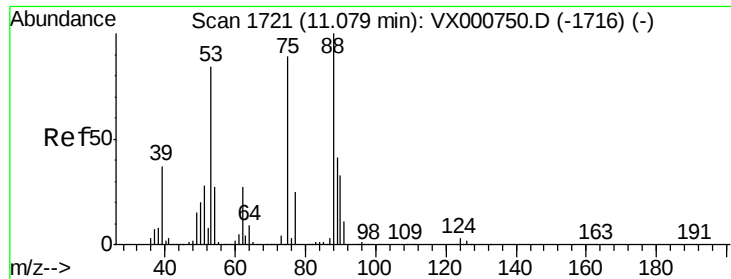
77 1.3 20.5 61.5#



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: 71.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000882.D

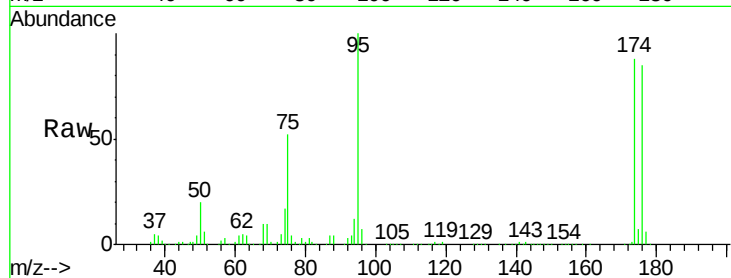
Acq: 14 Apr 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z1TB03-180410



Tgt Ion: 75 Resp: 79924

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

