

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000955.D
 Acq On : 17 Apr 2018 07:31
 Operator : JC/MD
 Sample : J2349-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 07:58:01 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	249696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	158016	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.51	113	124186	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
50) Toluene-d8	8.72	98	490620	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.14	95	190829	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

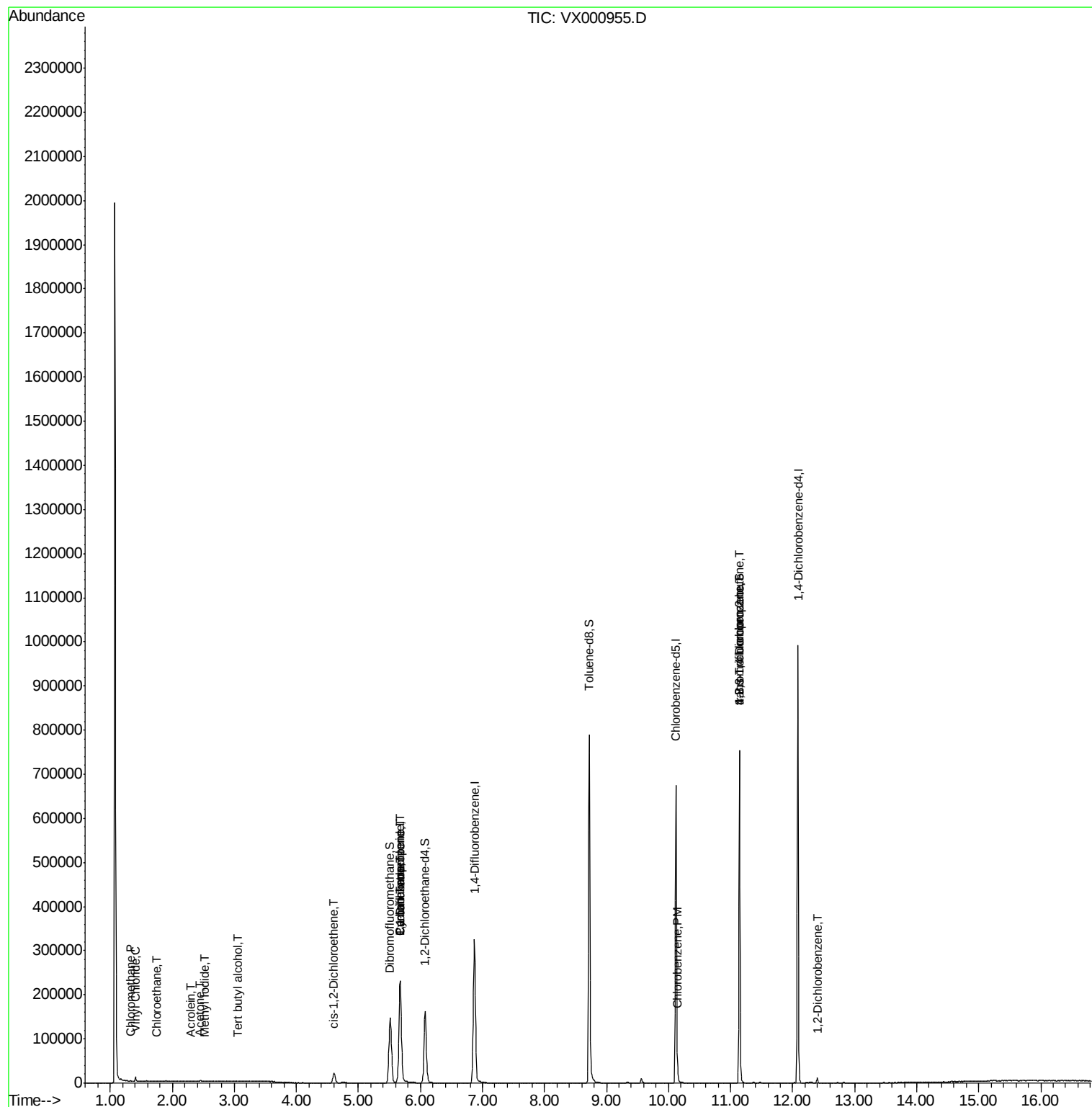
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	562	0.233	ug/l #	75
4) Vinyl Chloride	1.41	62	6422	2.363	ug/l	99
5) Bromomethane	1.65	94	304	Below Cal	#	35
6) Chloroethane	1.74	64	569	0.345	ug/l	93
10) Methyl Iodide	2.53	142	20	8.239	ug/l #	42
11) Tert butyl alcohol	3.06	59	259	0.463	ug/l #	57
13) Acrolein	2.30	56	69	0.254	ug/l #	13
16) Acetone	2.45	43	1154	1.063	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	13900	4.847	ug/l	88
31) Cyclohexane	5.67	56	4138	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14752	3.810	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21440	4.948	ug/l #	15
65) Chlorobenzene	10.15	112	5705	0.686	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	95514	25.499	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	95514	70.144	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	3601	0.499	ug/l	95

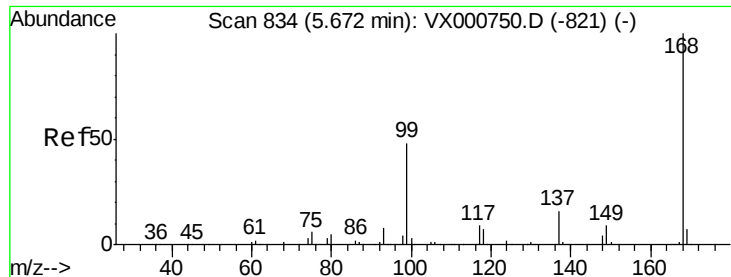
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

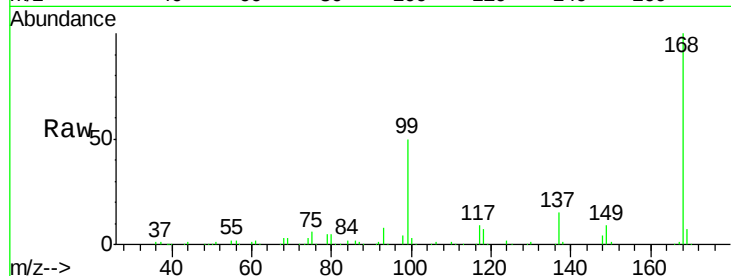
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 249696

Ion Ratio Lower Upper

168 100

99 49.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

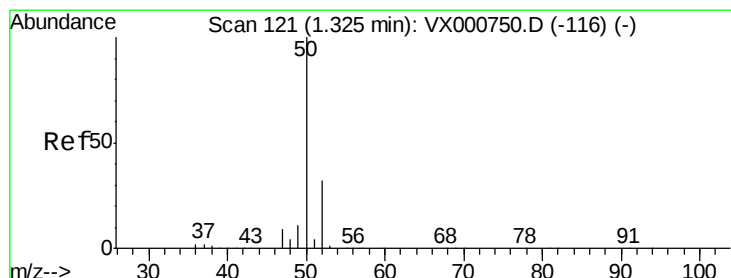
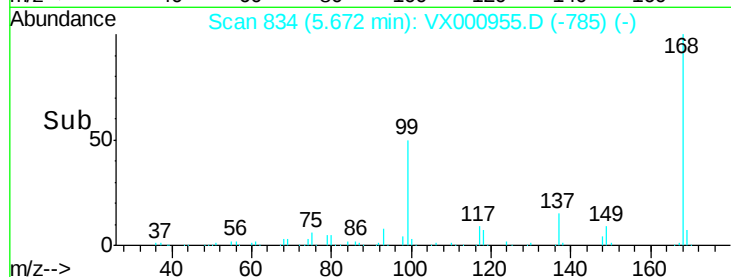
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000955.D

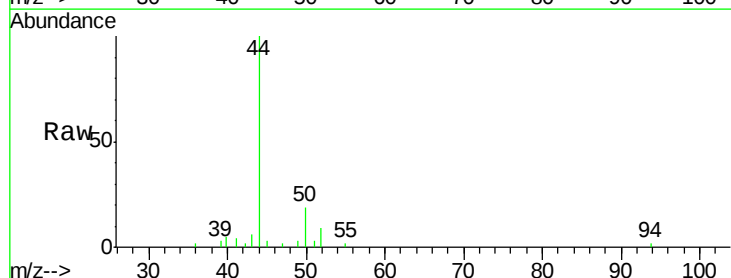
Acq: 17 Apr 2018 07:31

Tgt Ion: 50 Resp: 562

Ion Ratio Lower Upper

50 100

52 46.1 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

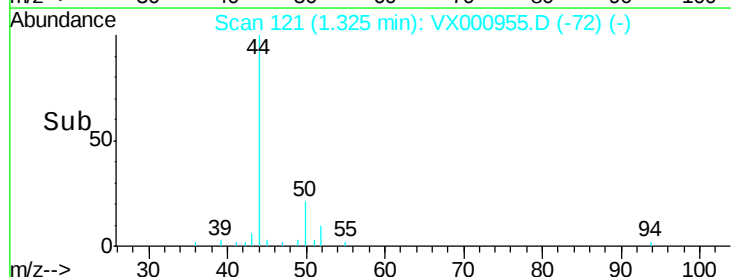
400

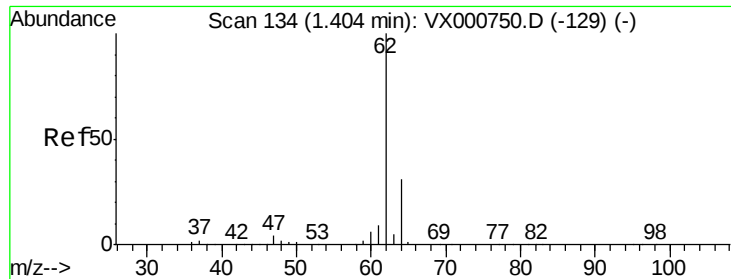
200

0

Time-->

1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 2.363 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

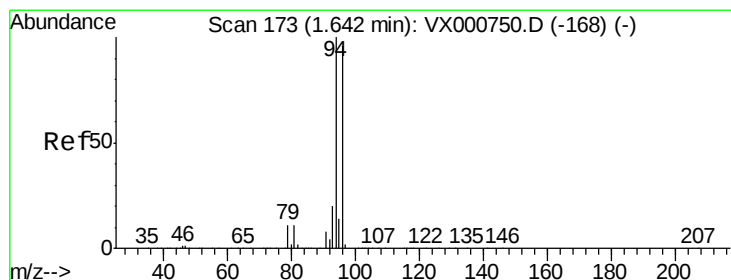
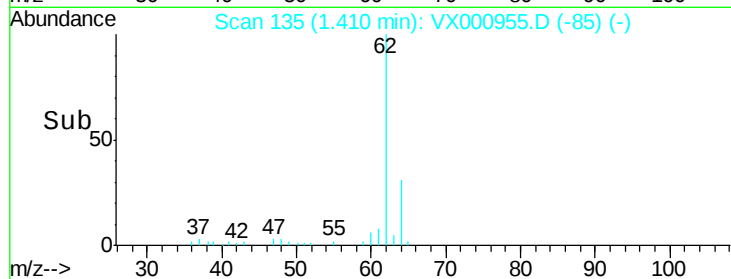
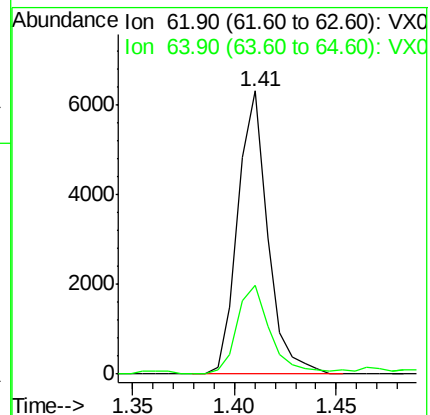
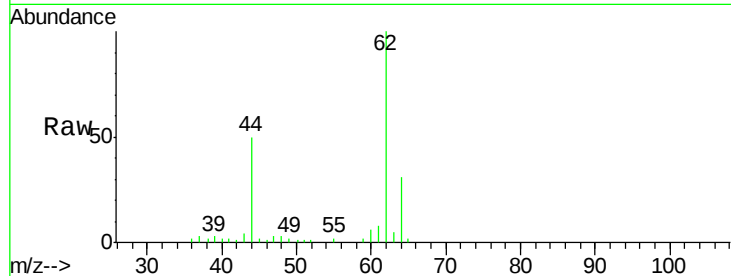
ClientSampleId :

Tot Ion: 62 Resp: 6422

Ion Ratio Lower Upper

62 100

64 31.3 24.6 36.8



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000955.D

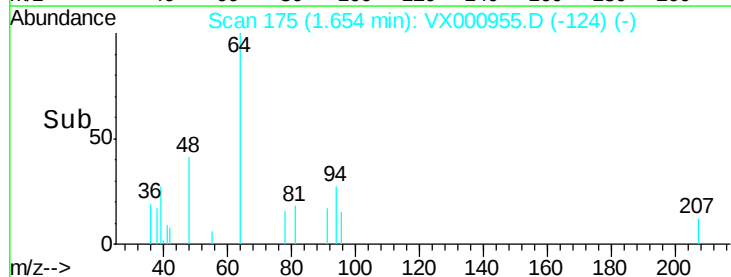
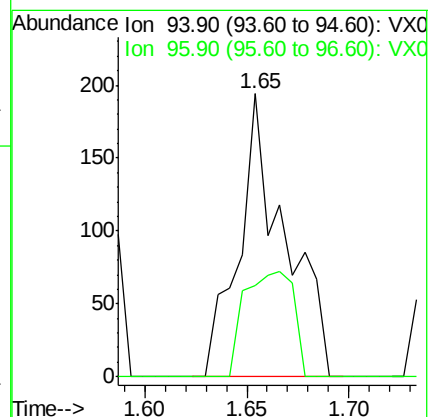
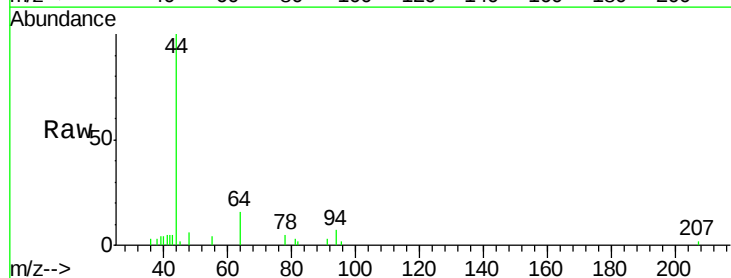
Acq: 17 Apr 2018 07:31

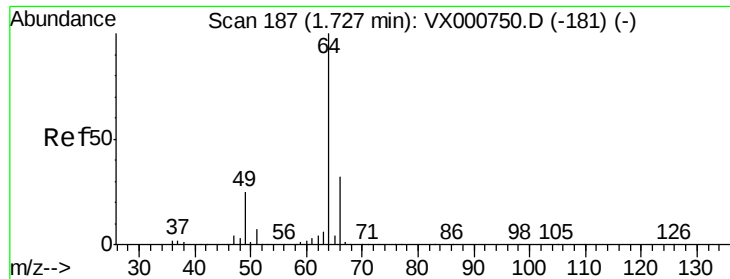
Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

94 100

96 32.5 77.0 115.6#

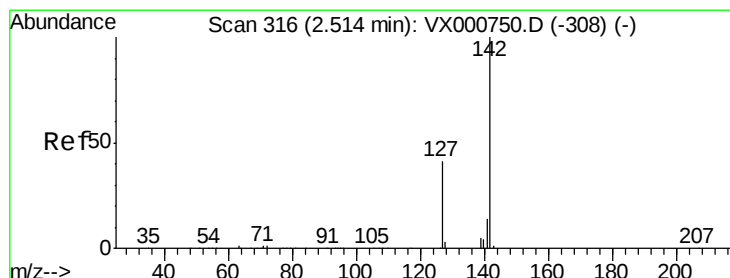
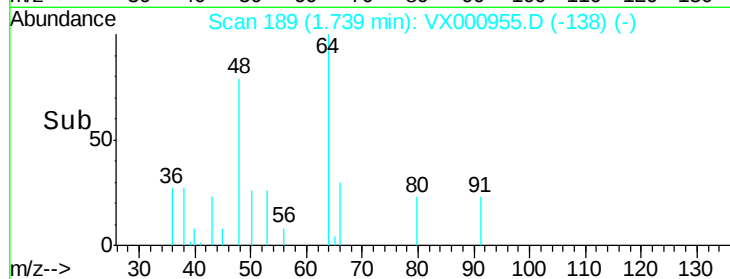
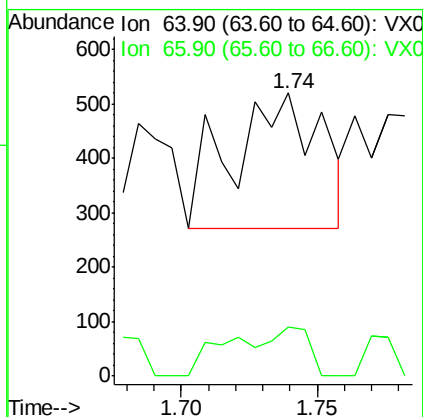
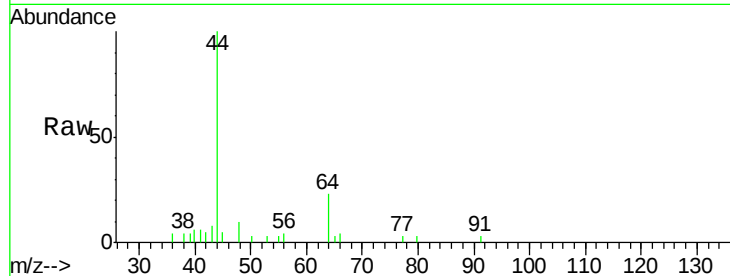




#6
Chloroethane
Concen: 0.345 ug/l
RT: 1.74 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

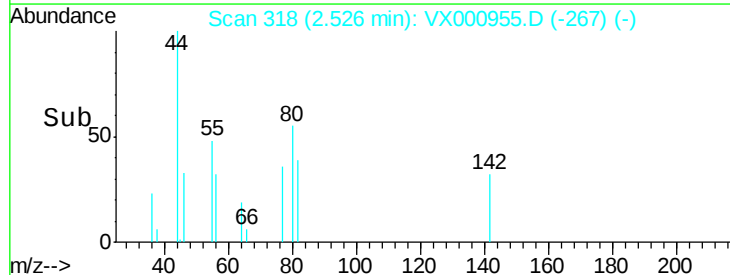
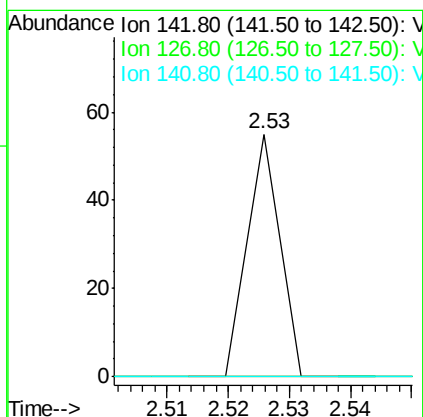
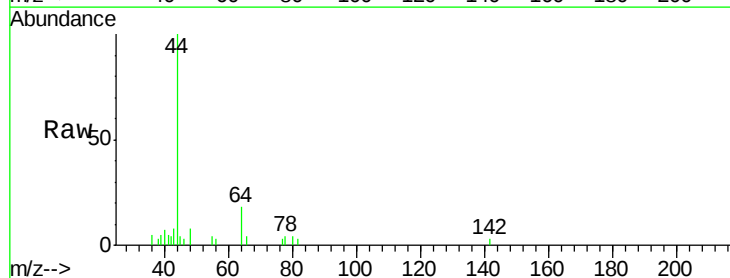
Instrument :
MSVOA_X
ClientSampleId :

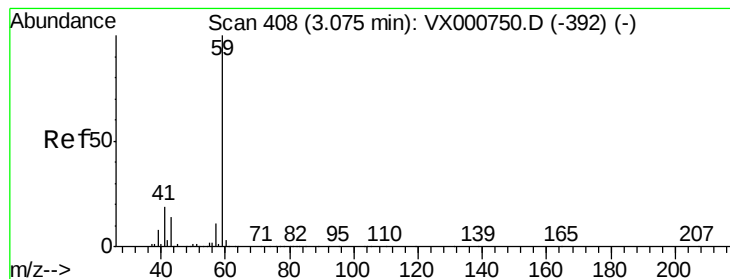
Tot Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 35.6 25.3 37.9



#10
Methyl Iodide
Concen: 8.239 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



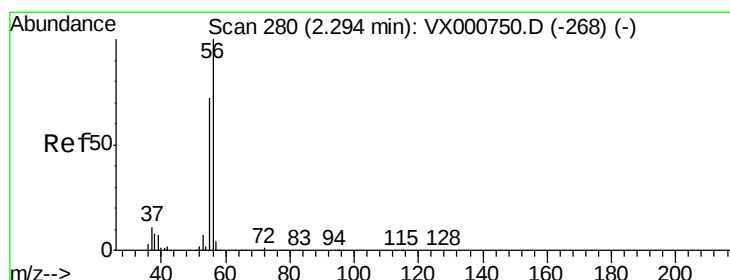
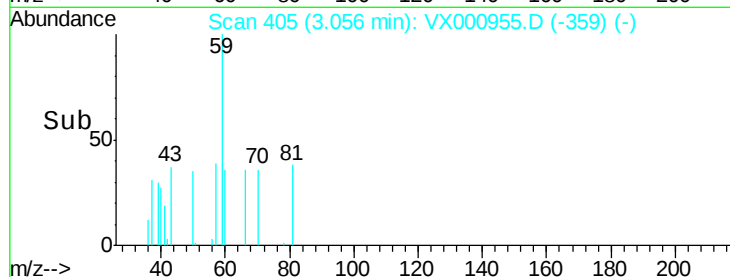
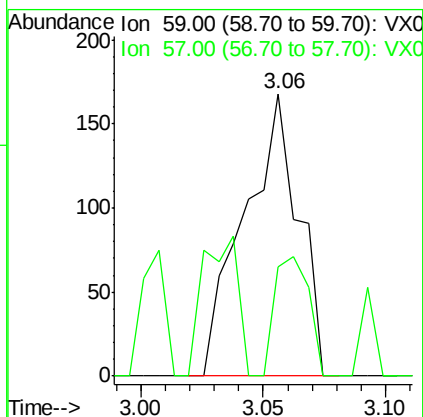
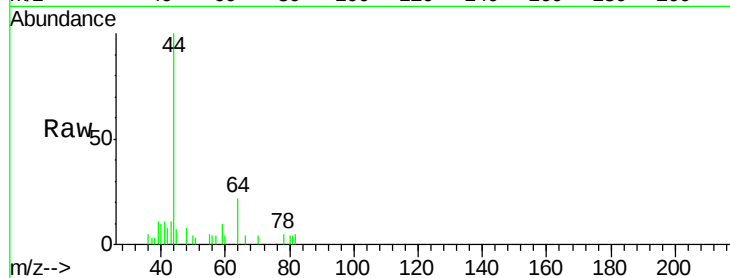


#11

Tert butvl alcohol
 Concen: 0.463 ug/l
 RT: 3.06 min Scan# 405
 Delta R.T. -0.02 min
 Lab File: VX000955.D
 Acq: 17 Apr 2018 07:31

Instrument :
 MSVOA_X
 ClientSampled :

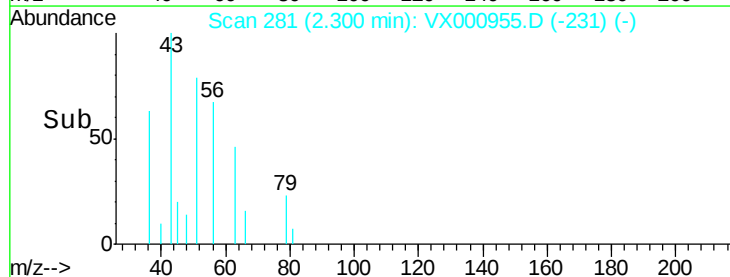
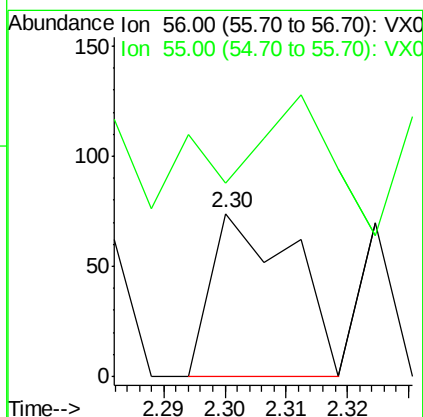
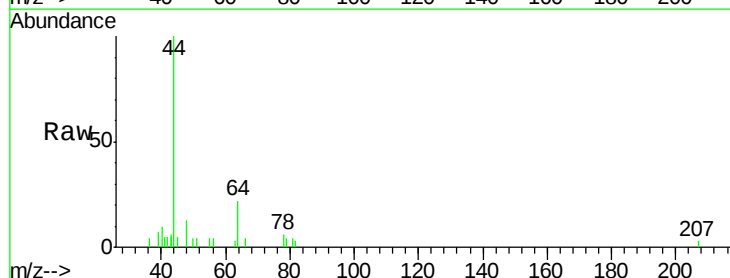
Tot Ion: 59 Resp: 259
 Ion Ratio Lower Upper
 59 100
 57 26.6 8.4 12.6#

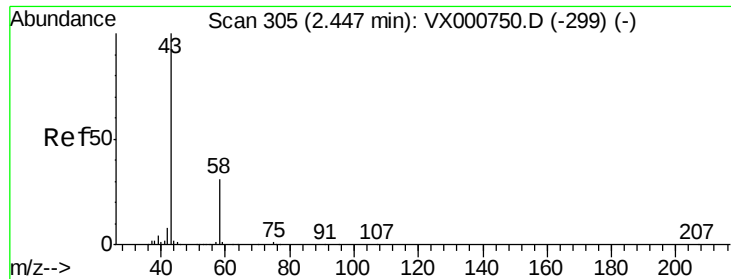


#13

Acrolein
 Concen: 0.254 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX000955.D
 Acq: 17 Apr 2018 07:31

Tgt Ion: 56 Resp: 69
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.7 88.1#





#16

Acetone

Concen: 1.063 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

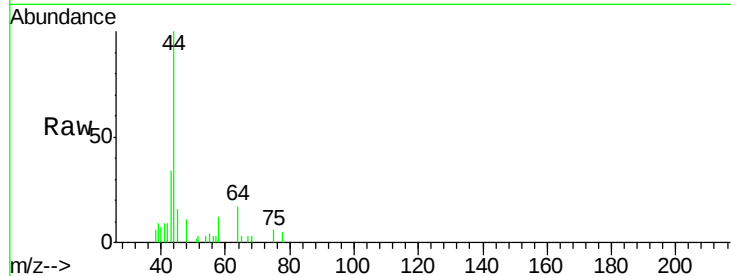
ClientSampleId :

Tot Ion: 43 Resp: 1154

Ion Ratio Lower Upper

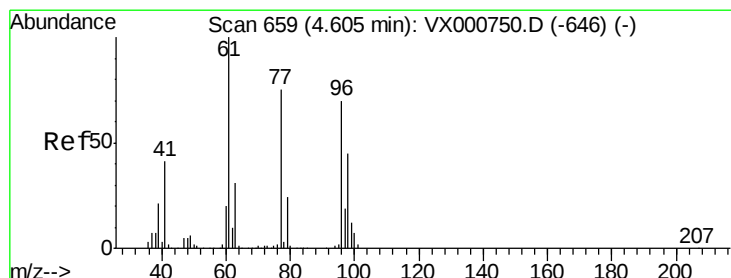
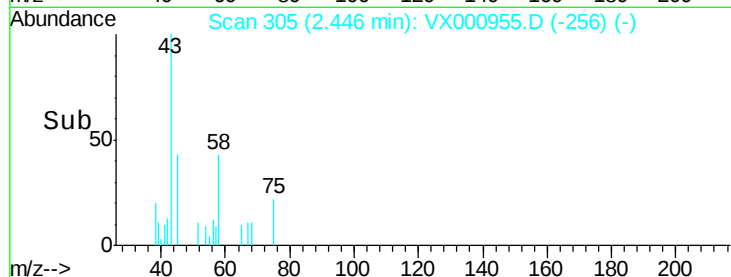
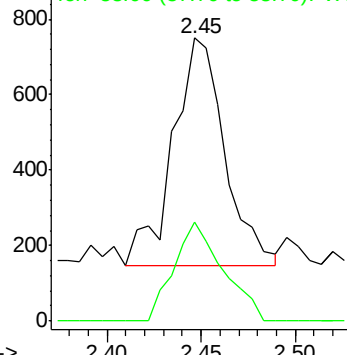
43 100

58 43.2 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.847 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

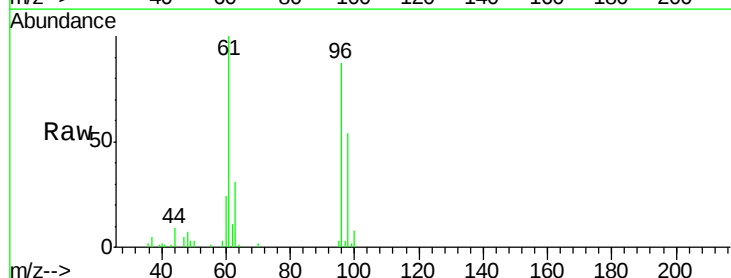
Tgt Ion: 96 Resp: 13900

Ion Ratio Lower Upper

96 100

61 125.9 0.0 292.4

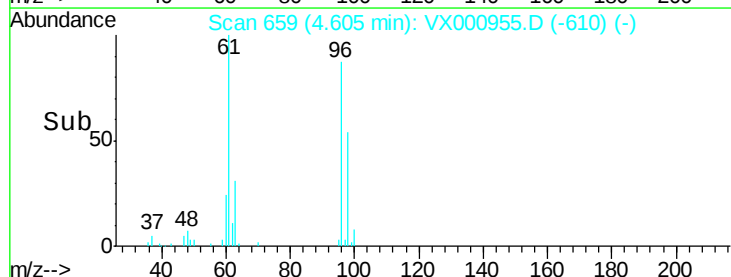
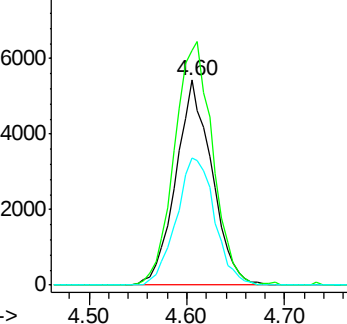
98 65.8 0.0 130.2

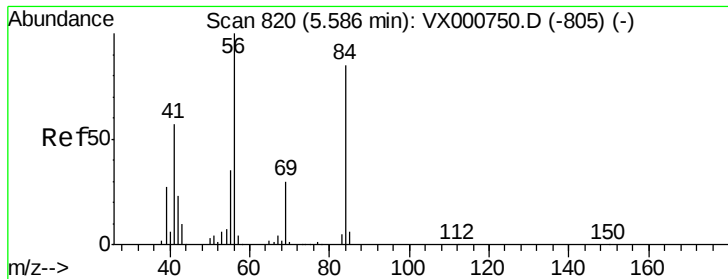


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

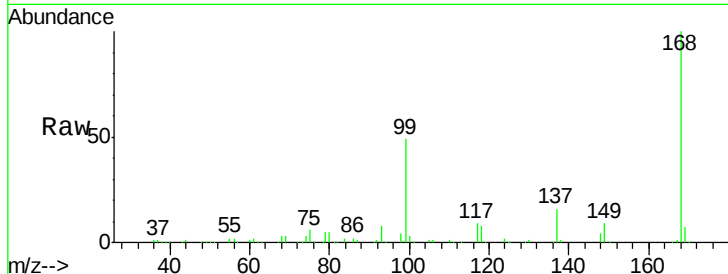




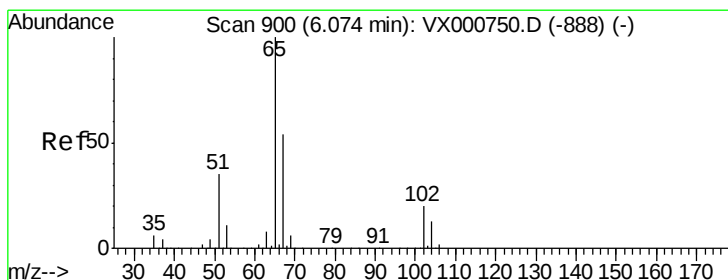
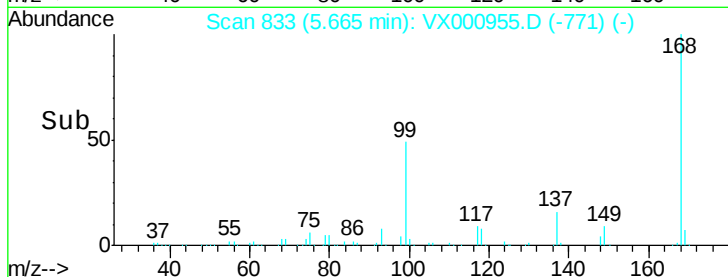
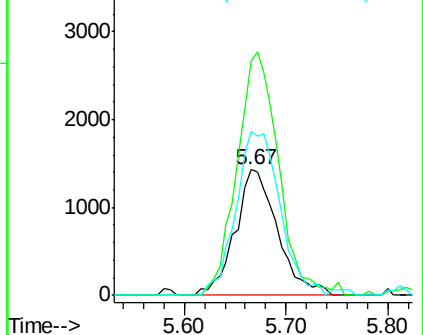
#31
Cyclohexane
Concen: 0.997 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4138
Ion Ratio Lower Upper
56 100
69 187.6 24.2 36.4#
84 130.8 67.6 101.4#

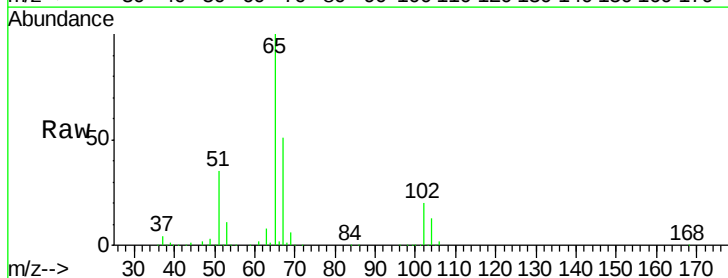


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

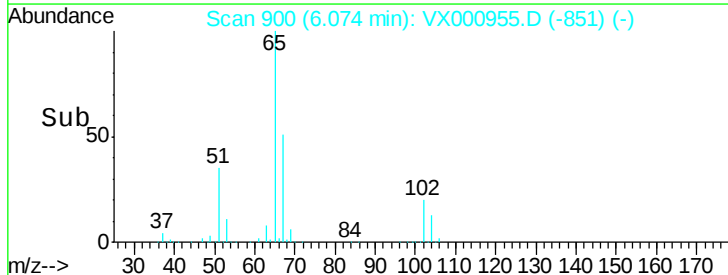
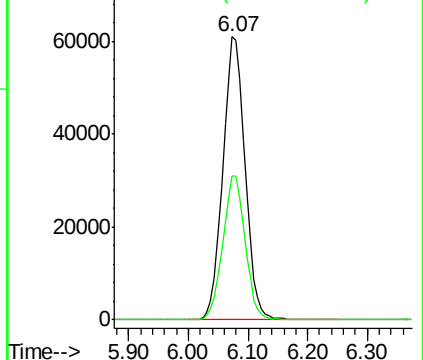


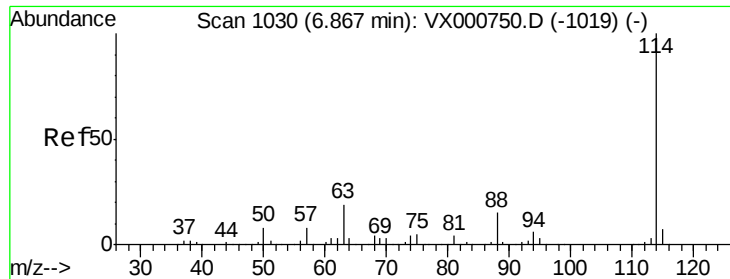
#33
1,2-Dichloroethane-d4
Concen: 50.190 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

Tgt Ion: 65 Resp: 158016
Ion Ratio Lower Upper
65 100
67 51.2 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: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

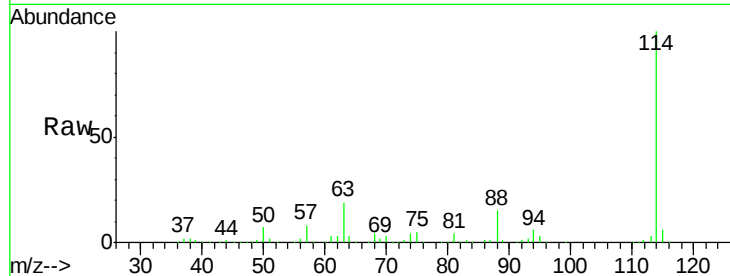
Tot Ion:114 Resp: 351526

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

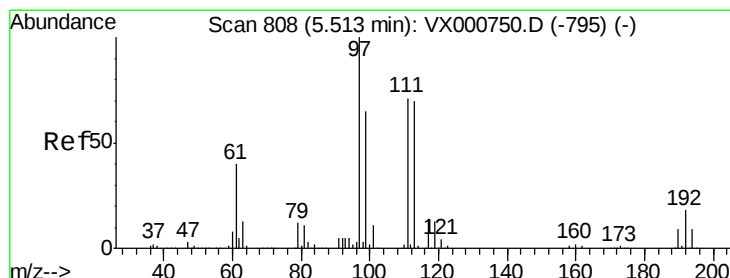
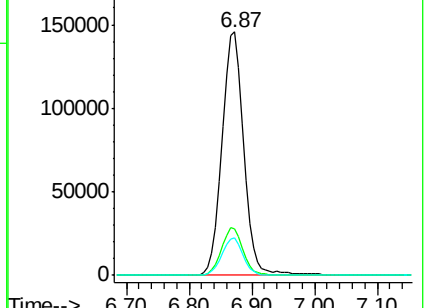
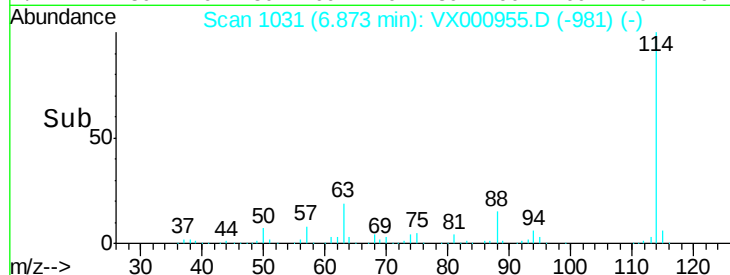
88 15.3 0.0 31.0



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: 45.854 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

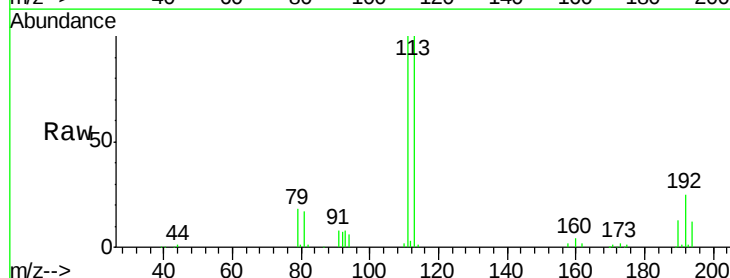
Tgt Ion:113 Resp: 124186

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

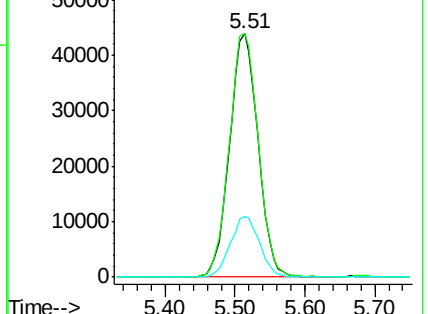
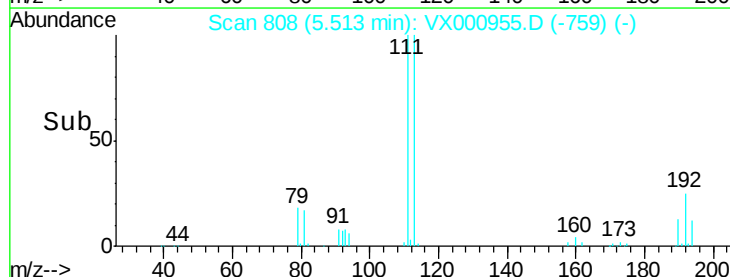
192 25.4 20.4 30.6

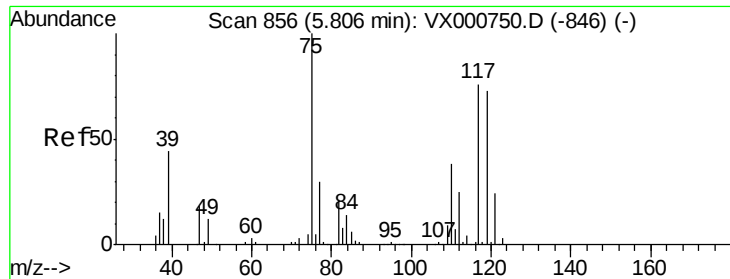


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

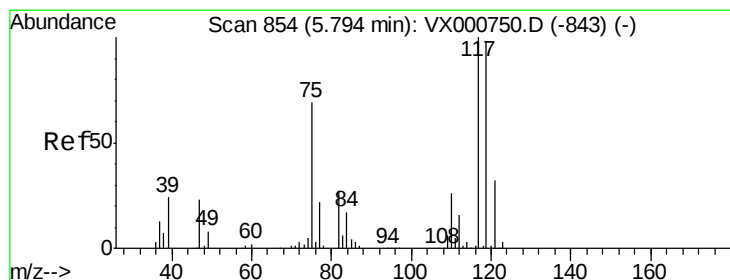
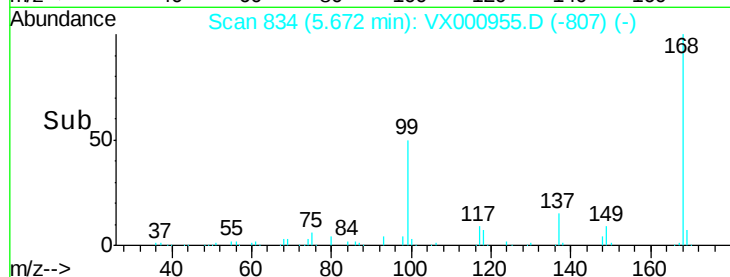
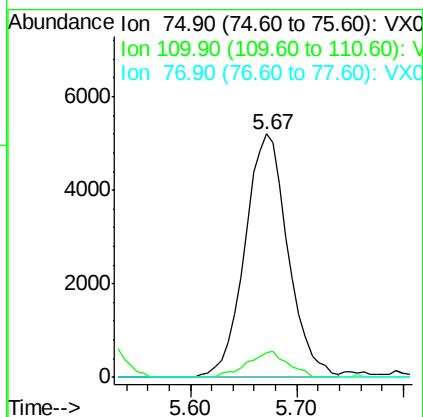
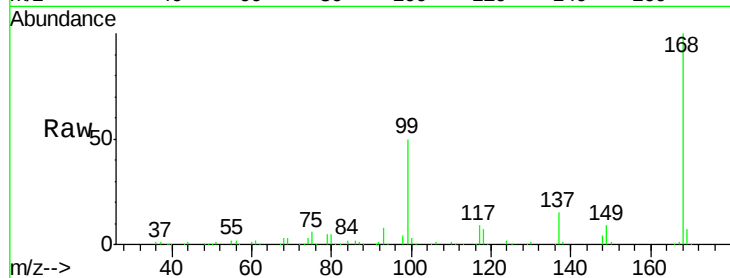




#36
 1,1-Dichloropropene
 Concen: 3.810 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000955.D
 Acq: 17 Apr 2018 07:31

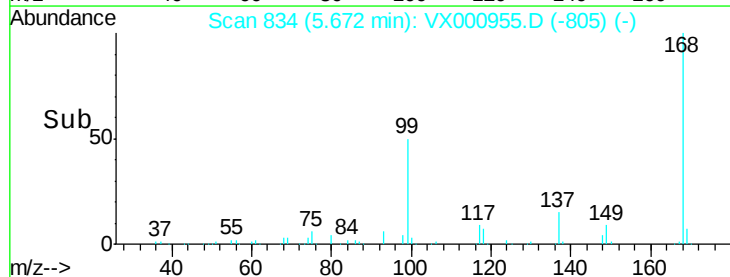
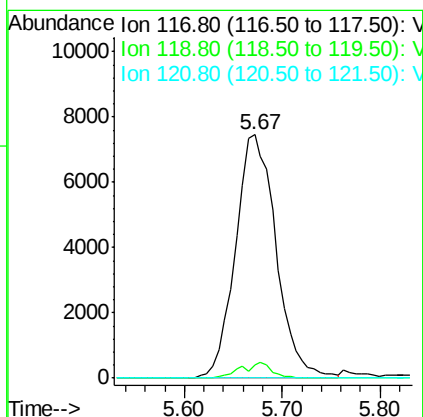
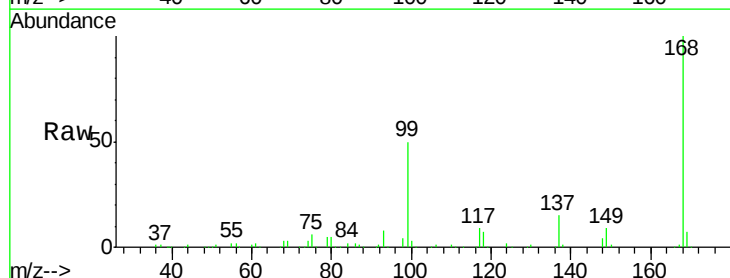
Instrument :
 MSVOA_X
 ClientSampleId :

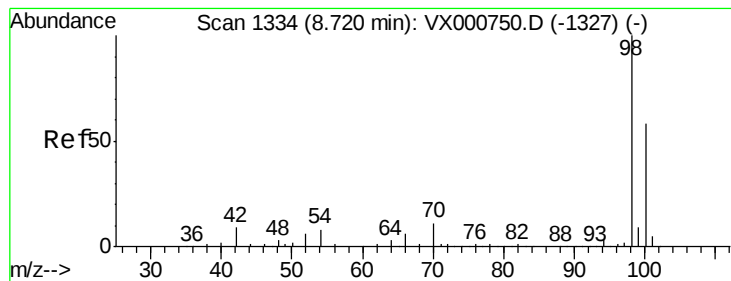
Tot Ion: 75 Resp: 14752
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 4.948 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000955.D
 Acq: 17 Apr 2018 07:31

Tgt Ion: 117 Resp: 21440
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.653 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

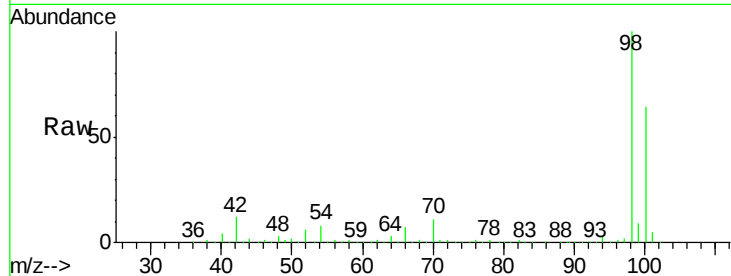
ClientSampleId :

Tot Ion: 98 Resp: 490620

Ion Ratio Lower Upper

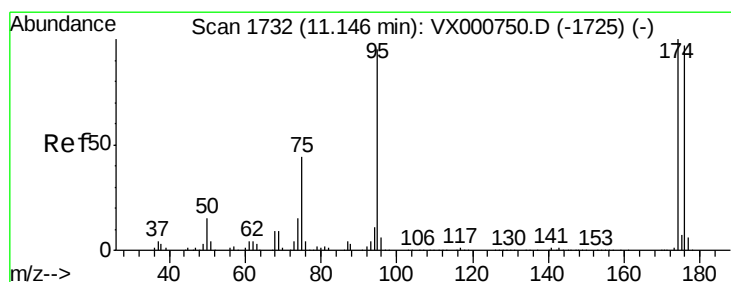
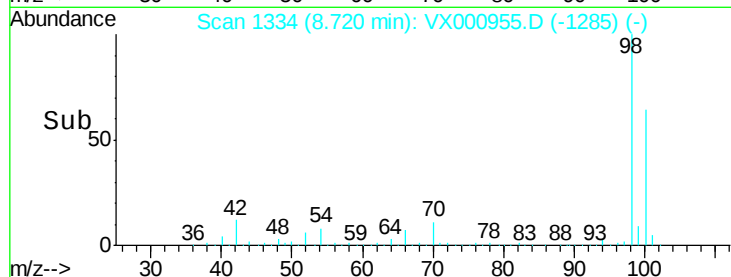
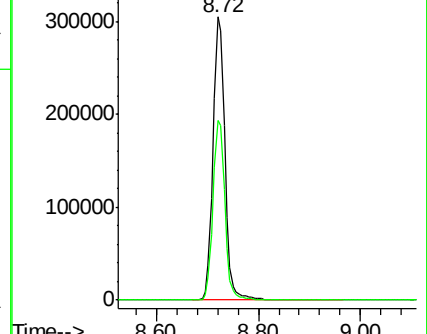
98 100

100 64.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.740 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

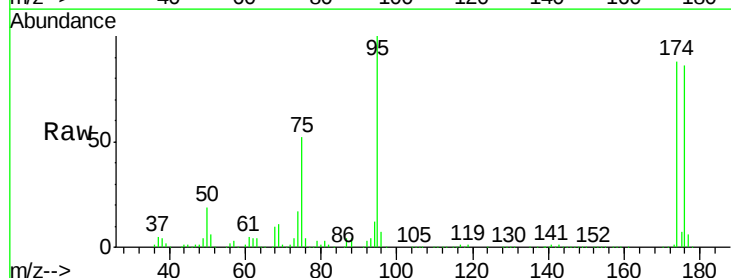
Tgt Ion: 95 Resp: 190829

Ion Ratio Lower Upper

95 100

174 98.7 0.0 198.4

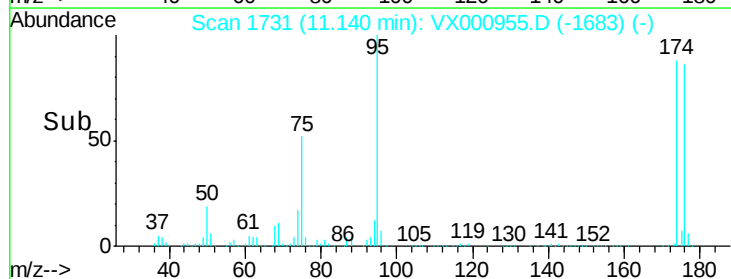
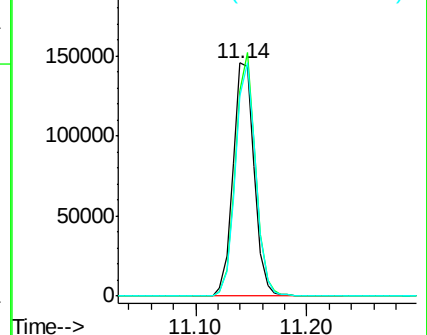
176 96.1 0.0 194.4

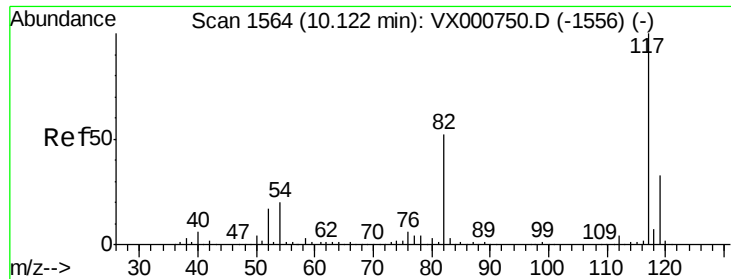


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

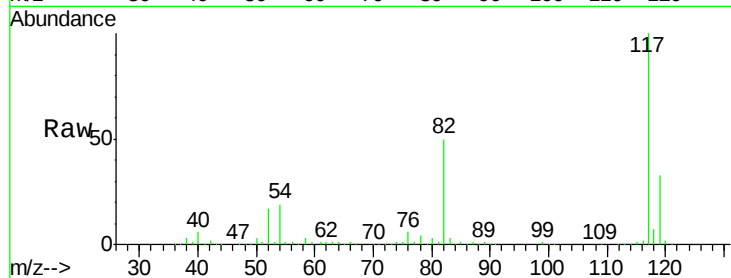




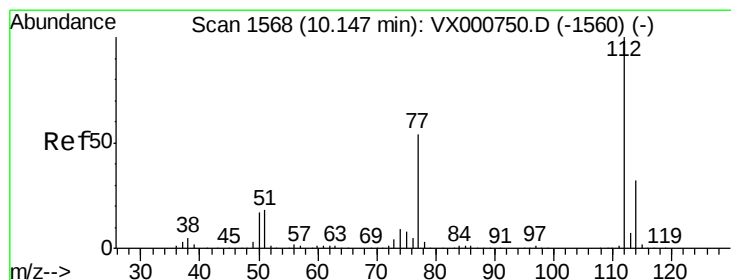
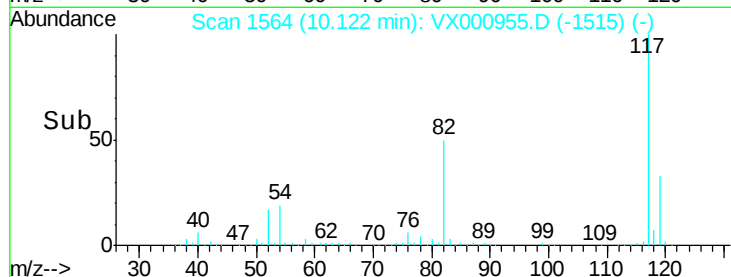
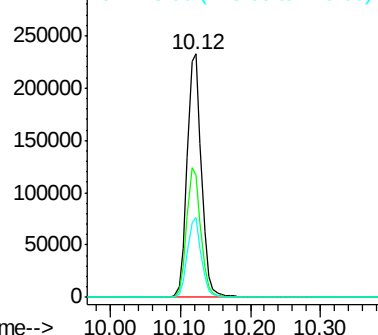
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 330634
Ion Ratio Lower Upper
117 100
82 49.9 41.9 62.9
119 32.8 26.0 39.0

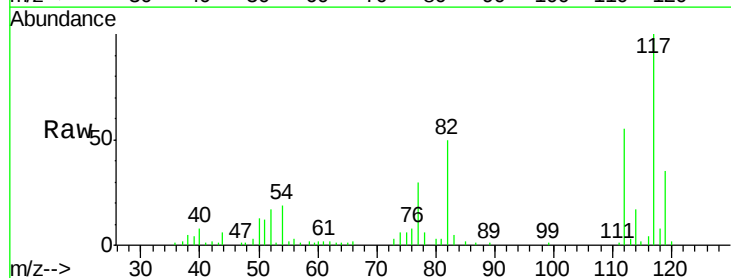


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

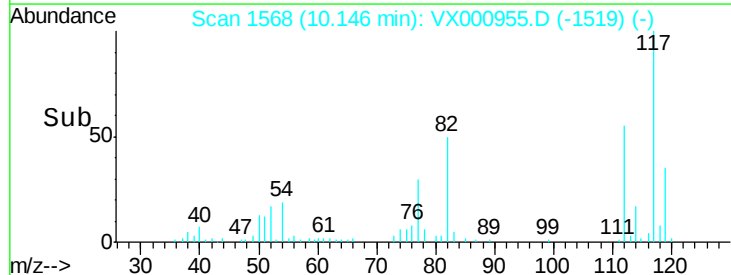
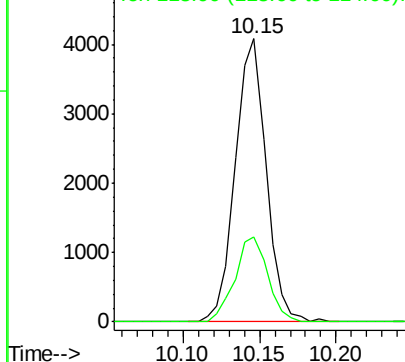


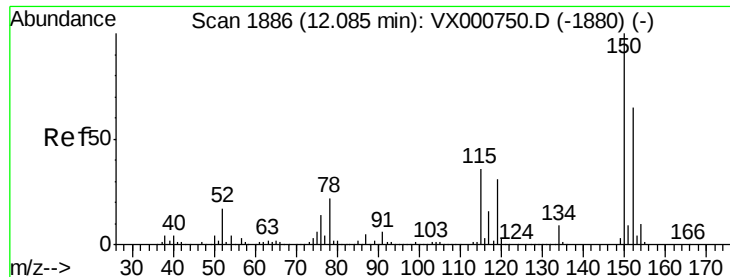
#65
Chlorobenzene
Concen: 0.686 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000955.D
Acq: 17 Apr 2018 07:31

Tgt Ion:112 Resp: 5705
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

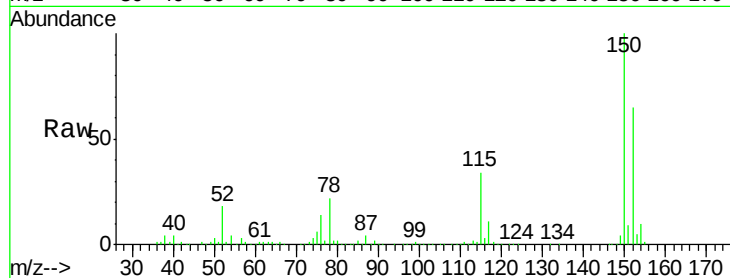
Tot Ion:152 Resp: 217193

Ion Ratio Lower Upper

152 100

115 53.7 37.9 113.7

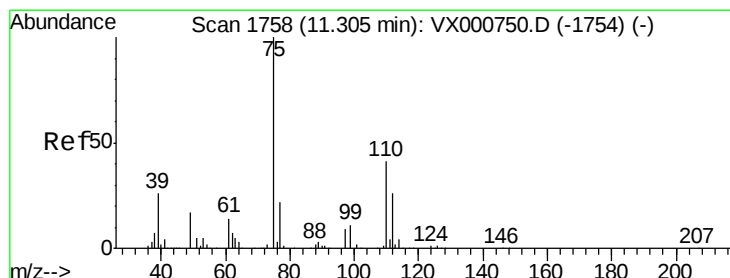
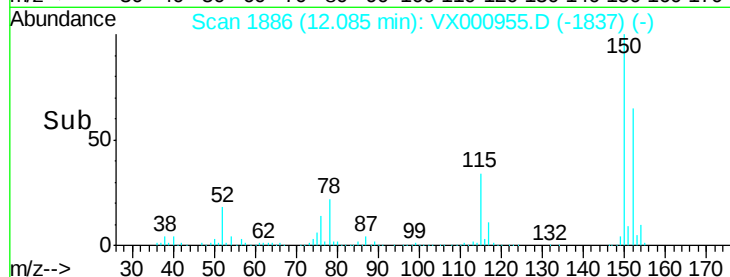
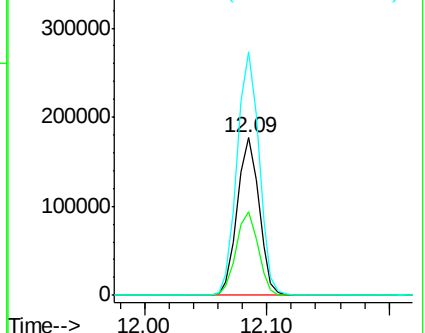
150 155.9 0.0 348.0



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: 25.499 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000955.D

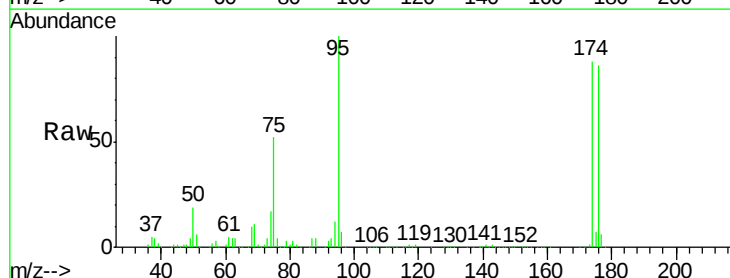
Acq: 17 Apr 2018 07:31

Tgt Ion: 75 Resp: 95514

Ion Ratio Lower Upper

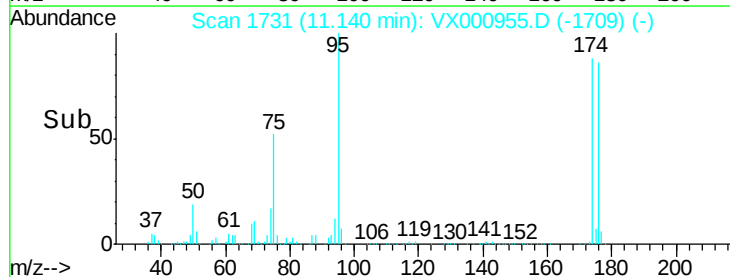
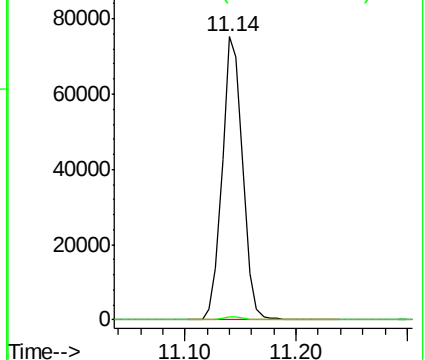
75 100

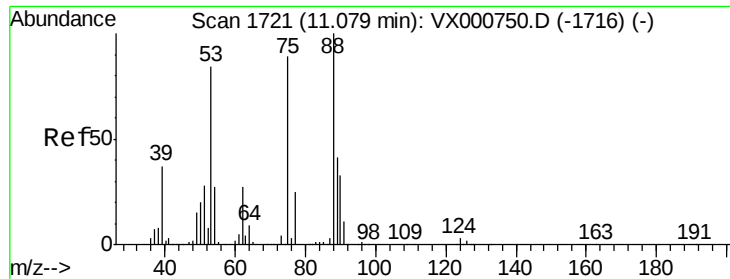
77 1.1 20.5 61.5#



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: 70.144 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

Instrument :

MSVOA_X

ClientSampled :

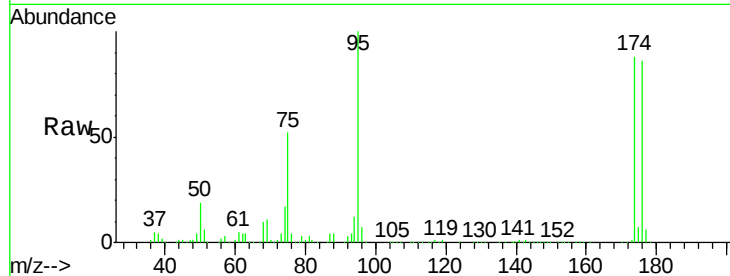
Tot Ion: 75 Resp: 95514

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

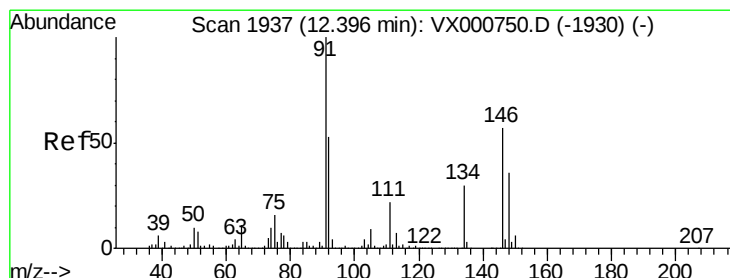
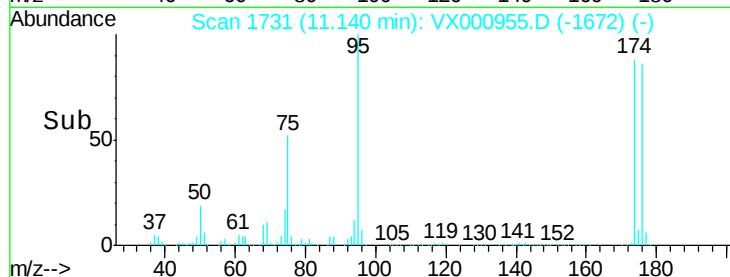
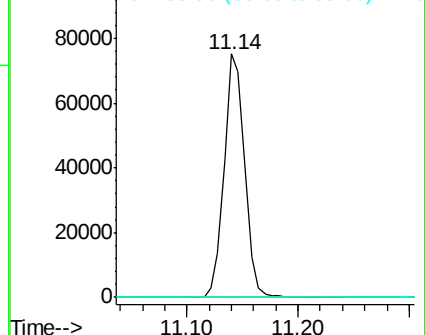
89 0.0 40.9 61.3#



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



#91

1,2-Dichlorobenzene

Concen: 0.499 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000955.D

Acq: 17 Apr 2018 07:31

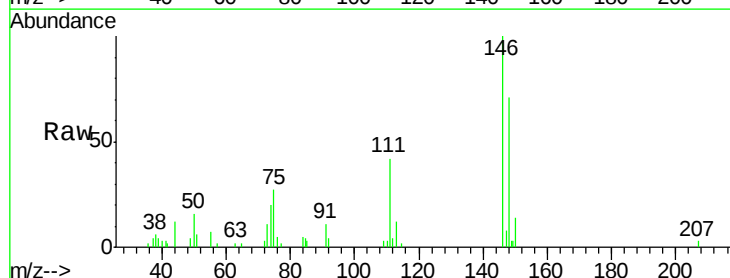
Tgt Ion: 146 Resp: 3601

Ion Ratio Lower Upper

146 100

111 39.9 18.9 56.7

148 68.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

