

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
 Data File : VX001224.D
 Acq On : 28 Apr 2018 19:47
 Operator : JC/MD
 Sample : J2547-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW357-180424

Quant Time: Apr 30 04:59:05 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	169928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	231288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	205935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111352	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	130546	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.51	113	105379	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
50) Toluene-d8	8.72	98	389213	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
62) 4-Bromofluorobenzene	11.14	95	129826	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

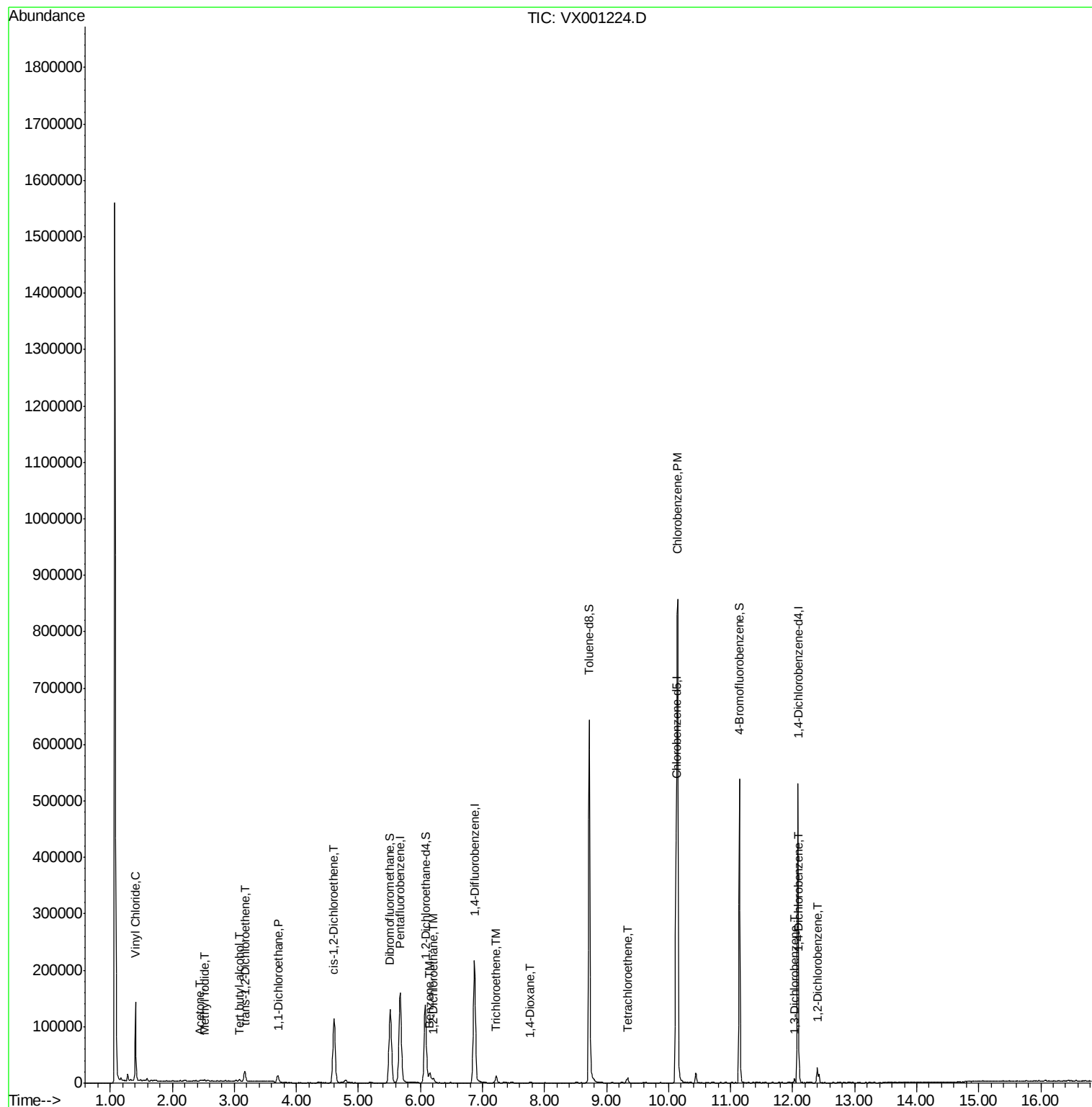
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	83809	42.32	ug/l	99
10) Methyl Iodide	2.52	142	2179	8.26	ug/l #	86
11) Tert butyl alcohol	3.08	59	3248	6.25	ug/l #	85
16) Acetone	2.45	43	2529	2.33	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	7682	4.04	ug/l	84
24) 1,1-Dichloroethane	3.70	63	13744	4.17	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	73100	35.15	ug/l	88
40) Benzene	6.15	78	19009	2.58	ug/l	98
42) 1,2-Dichloroethane	6.21	62	8042	2.71	ug/l	97
44) Trichloroethene	7.22	130	4441	2.02	ug/l	96
49) 1,4-Dioxane	7.77	88	622	12.19	ug/l #	85
64) Tetrachloroethene	9.34	164	1932	0.88	ug/l	96
65) Chlorobenzene	10.15	112	383055	71.00	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2092	0.54	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	9793	2.43	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	8540	2.19	ug/l	98

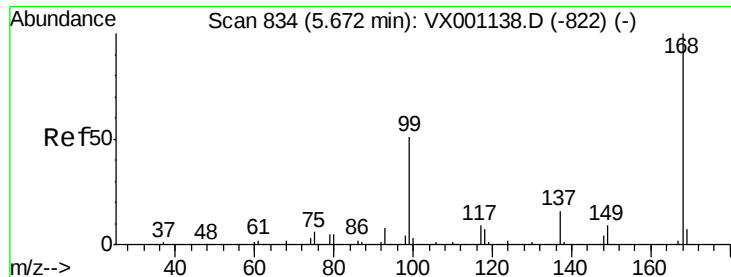
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
Data File : VX001224.D
Acq On : 28 Apr 2018 19:47
Operator : JC/MD
Sample : J2547-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

Quant Time: Apr 30 04:59:05 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

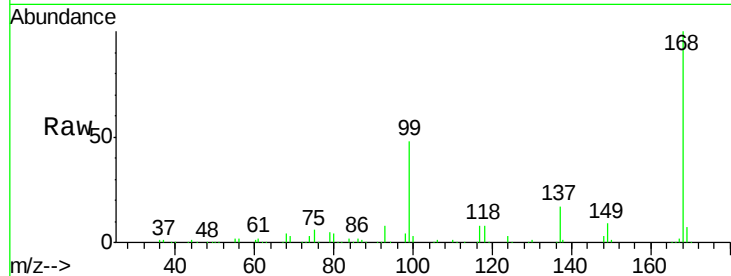
WP022MW357-180424

Tot Ion:168 Resp: 169928

Ion Ratio Lower Upper

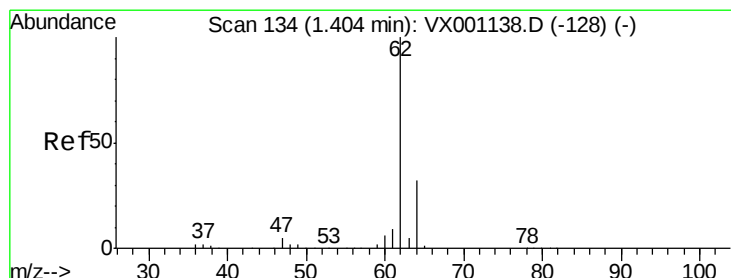
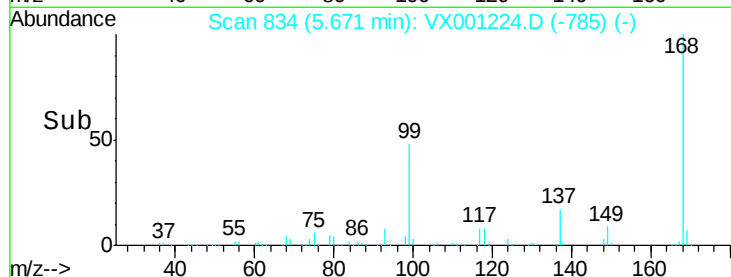
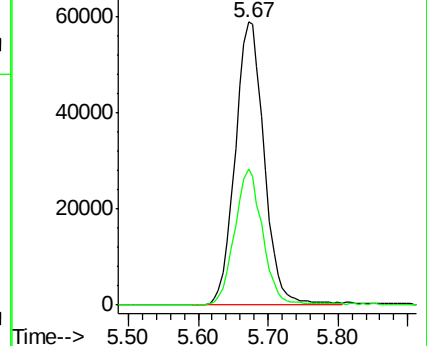
168 100

99 48.2 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 42.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001224.D

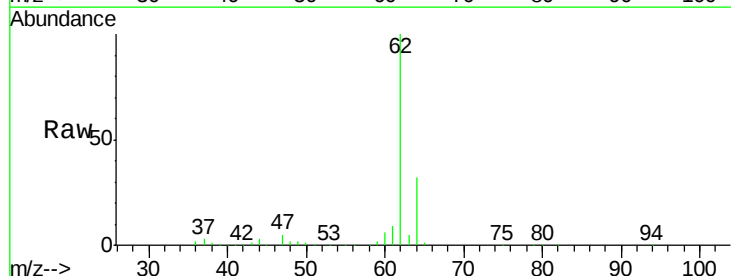
Acq: 28 Apr 2018 19:47

Tgt Ion: 62 Resp: 83809

Ion Ratio Lower Upper

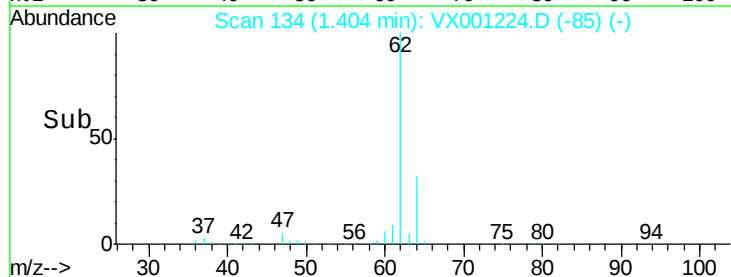
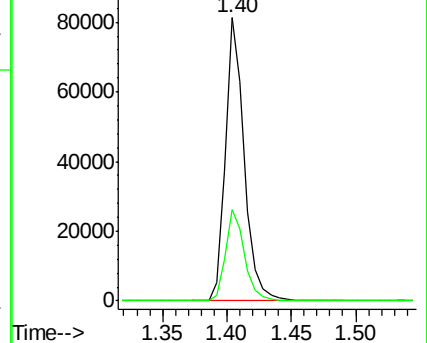
62 100

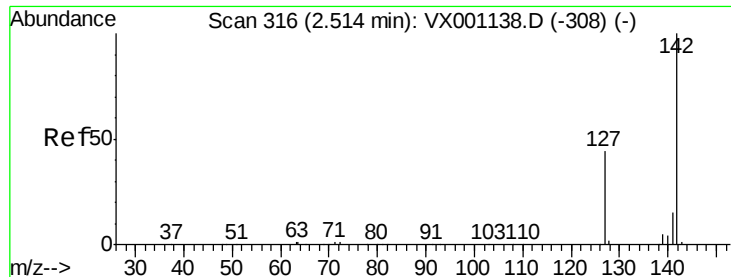
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

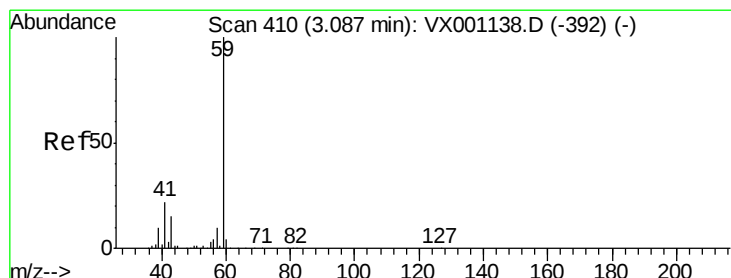
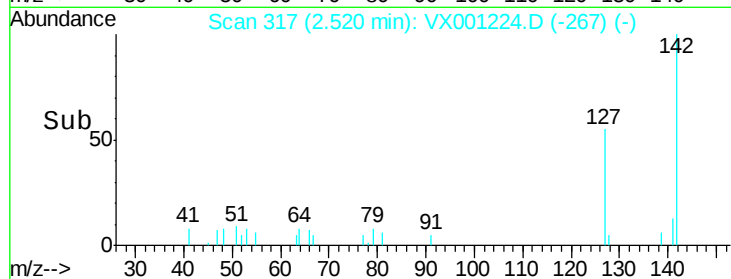
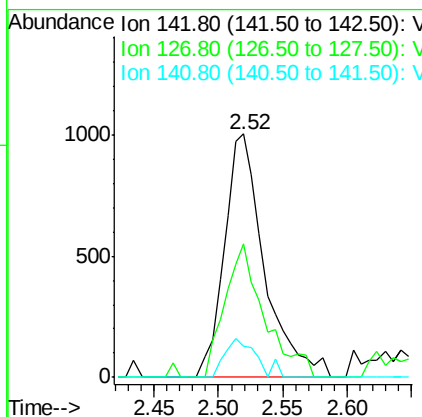
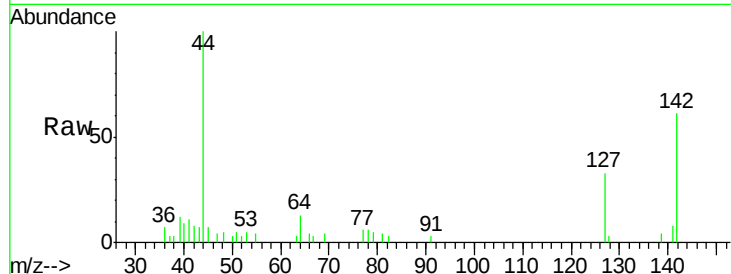




#10
Methvl Iodide
Concen: 8.26 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

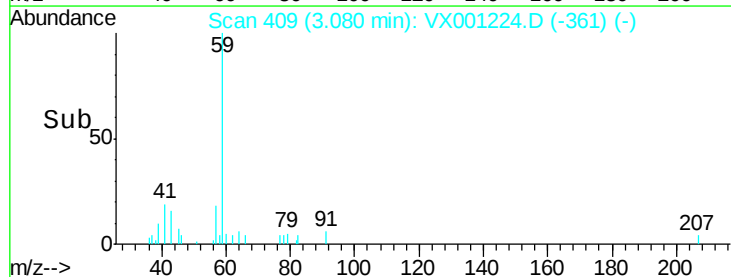
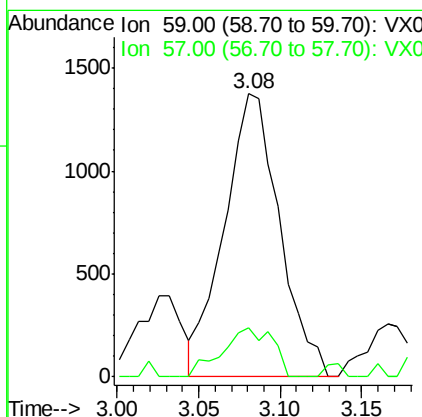
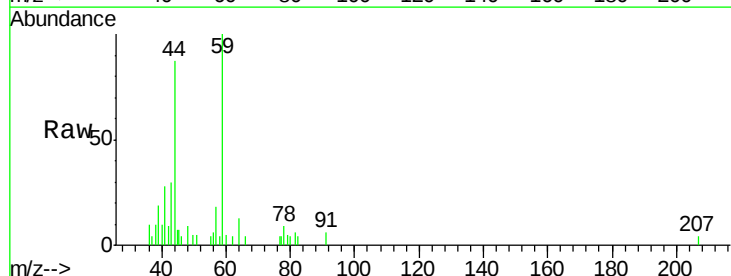
Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

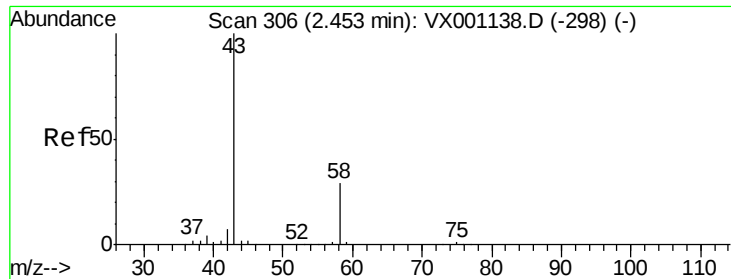
Tot Ion:142 Resp: 2179
Ion Ratio Lower Upper
142 100
127 54.4 34.7 52.1#
141 12.7 11.6 17.4



#11
Tert butyl alcohol
Concen: 6.25 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Tgt Ion: 59 Resp: 3248
Ion Ratio Lower Upper
59 100
57 15.9 8.2 12.4#





#16

Acetone

Concen: 2.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

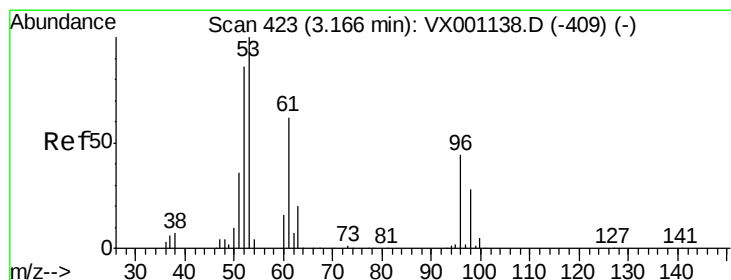
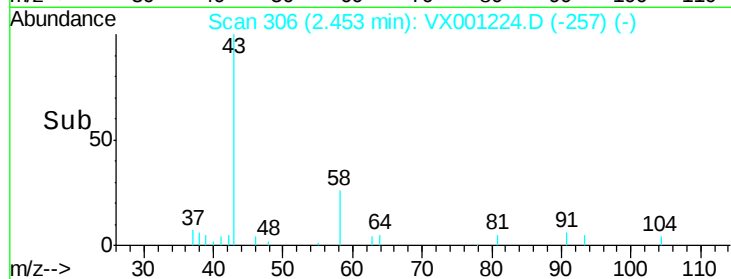
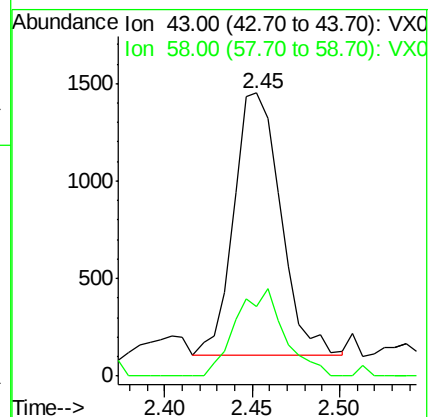
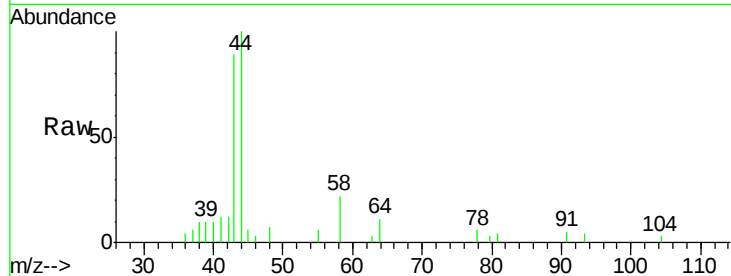
WP022MW357-180424

Tot Ion: 43 Resp: 2529

Ion Ratio Lower Upper

43 100

58 26.5 23.0 34.6



#21

trans-1,2-Dichloroethene

Concen: 4.04 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

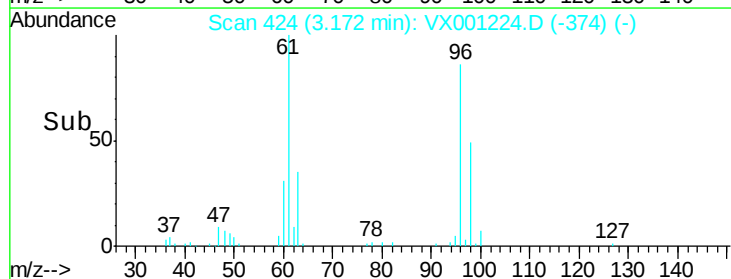
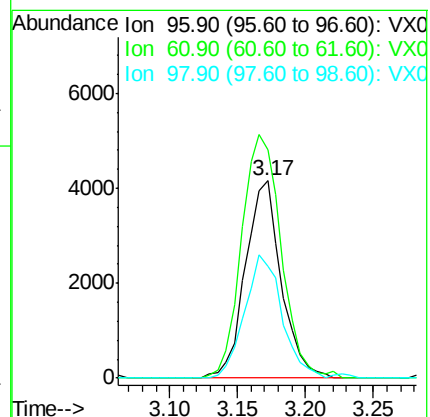
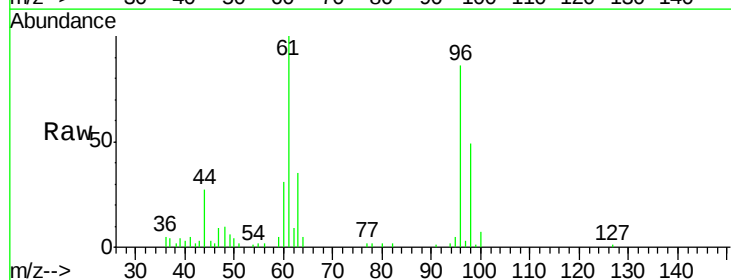
Tgt Ion: 96 Resp: 7682

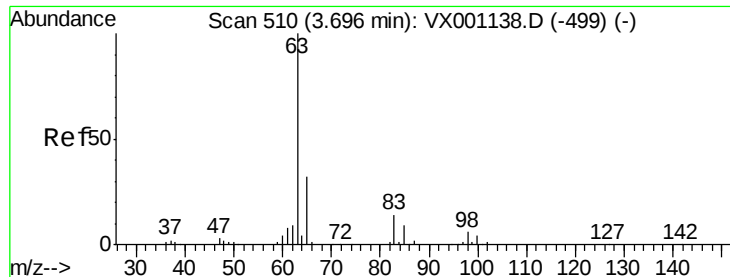
Ion Ratio Lower Upper

96 100

61 115.8 111.9 167.9

98 57.0 51.1 76.7





#24

1,1-Dichloroethane

Concen: 4.17 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

WP022MW357-180424

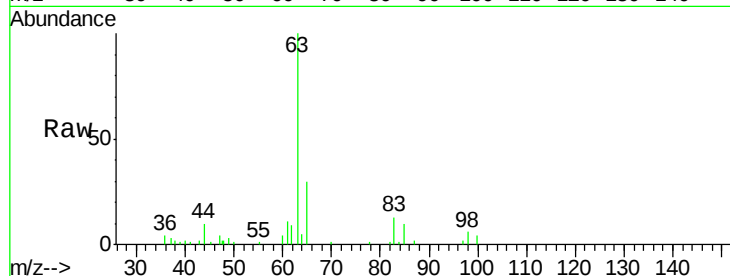
Tot Ion: 63 Resp: 13744

Ion Ratio Lower Upper

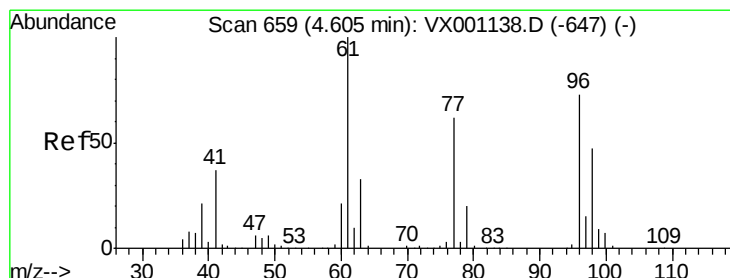
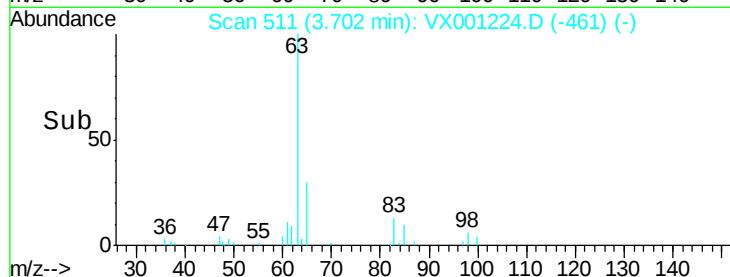
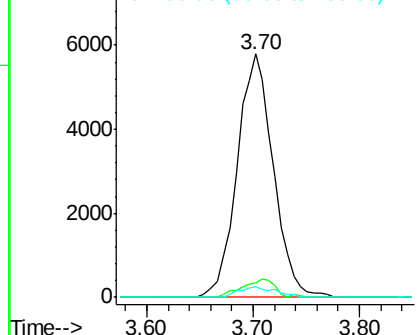
63 100

98 6.0 3.1 9.4

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 35.15 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

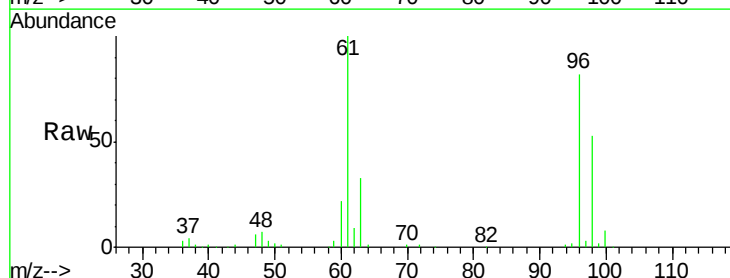
Tgt Ion: 96 Resp: 73100

Ion Ratio Lower Upper

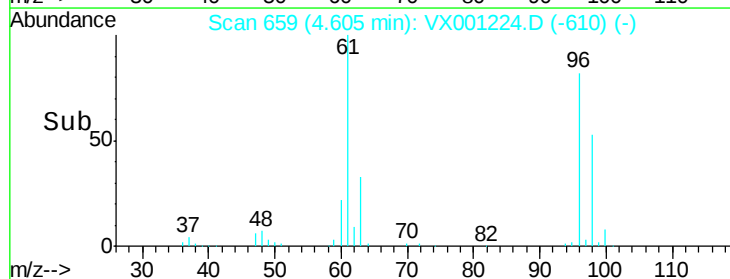
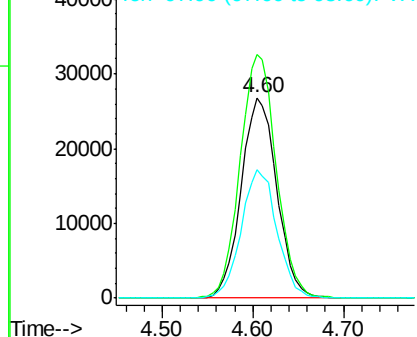
96 100

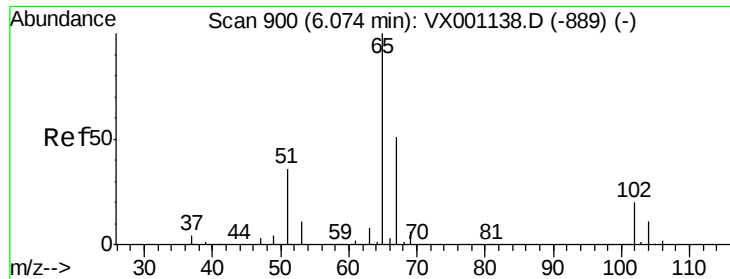
61 123.3 0.0 289.0

98 64.1 0.0 128.2



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

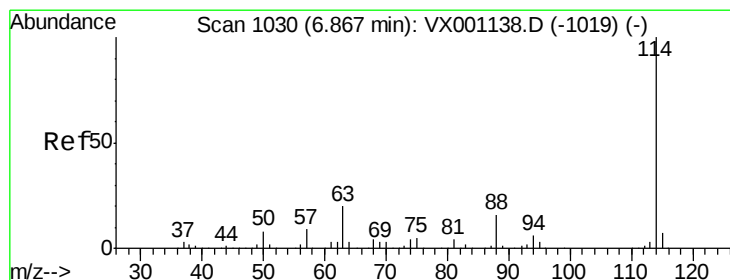
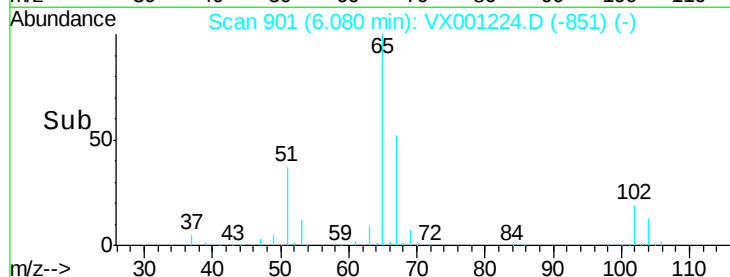
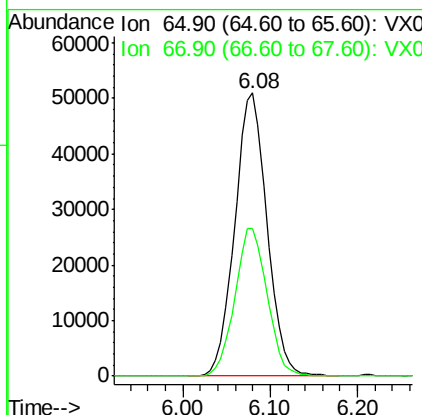
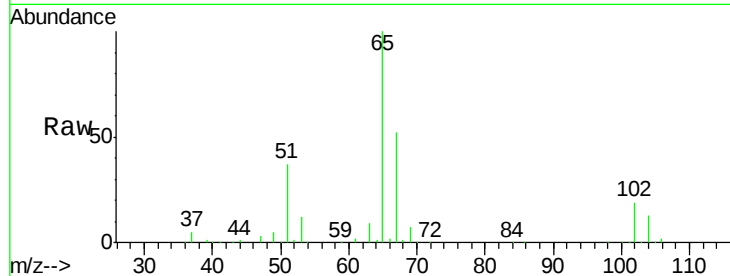




#33
 1,2-Dichloroethane-d4
 Concen: 49.56 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001224.D
 Acq: 28 Apr 2018 19:47

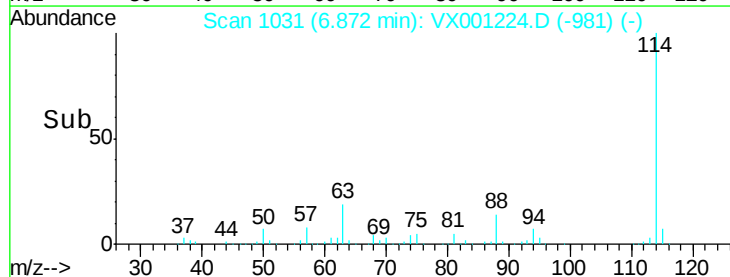
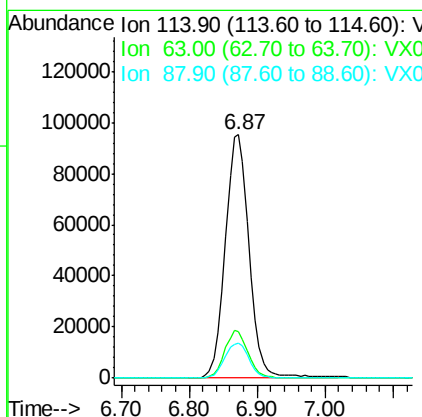
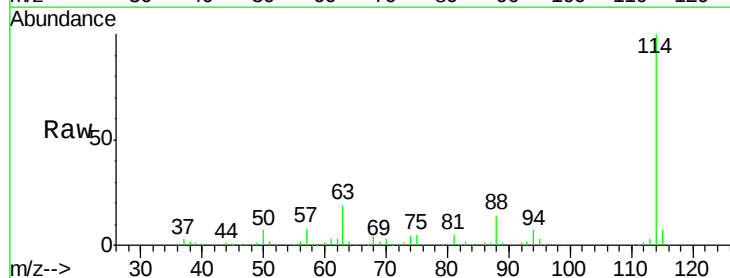
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW357-180424

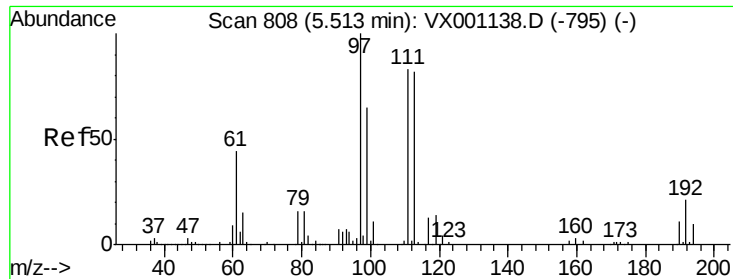
Tot Ion: 65 Resp: 130546
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001224.D
 Acq: 28 Apr 2018 19:47

Tgt Ion: 114 Resp: 231288
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.4
 88 14.4 0.0 31.8

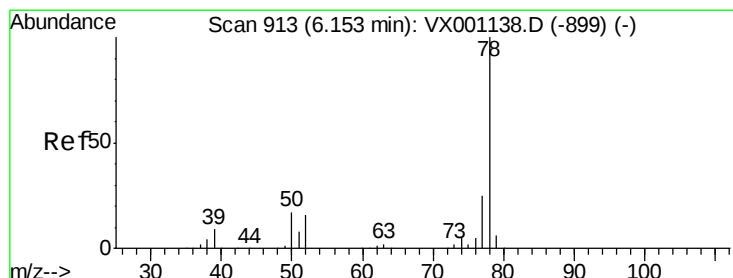
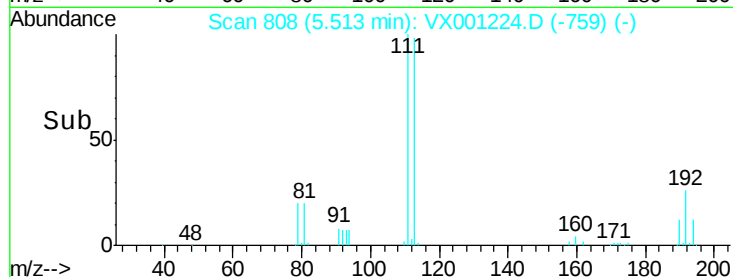
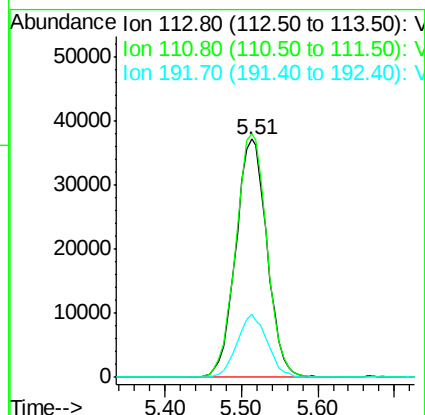
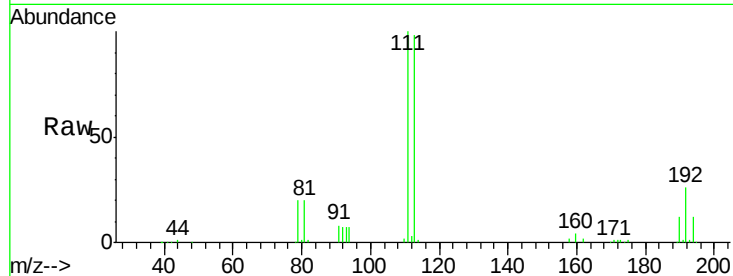




#35
Dibromofluoromethane
Concen: 55.05 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

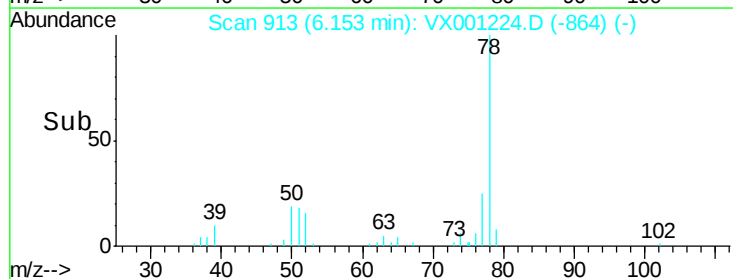
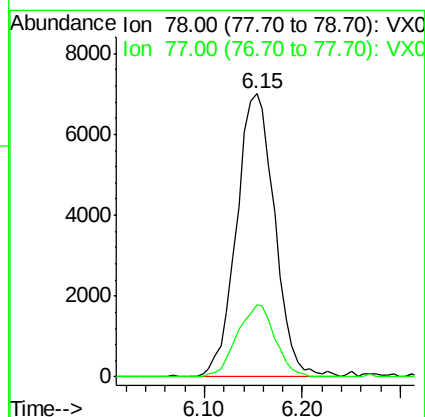
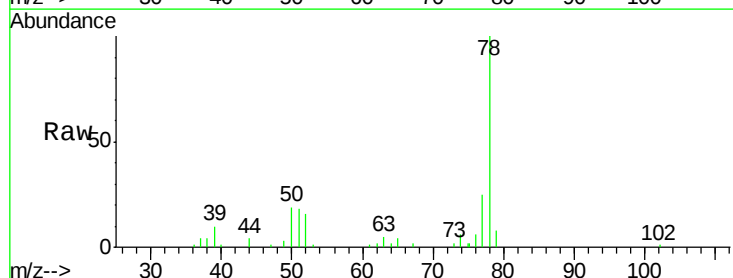
Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

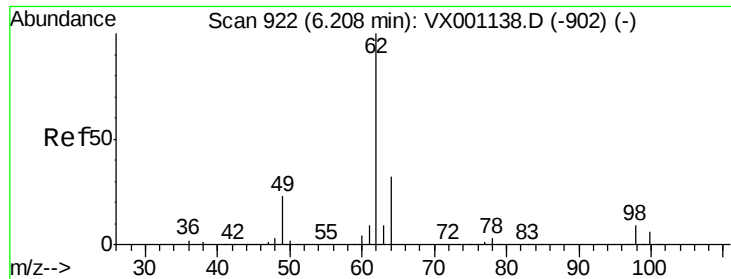
Tot Ion:113 Resp: 105379
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 25.4 20.6 30.8



#40
Benzene
Concen: 2.58 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Tgt Ion: 78 Resp: 19009
Ion Ratio Lower Upper
78 100
77 25.4 19.7 29.5





#42

1,2-Dichloroethane

Concen: 2.71 ug/l

RT: 6.21 min Scan# 922

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

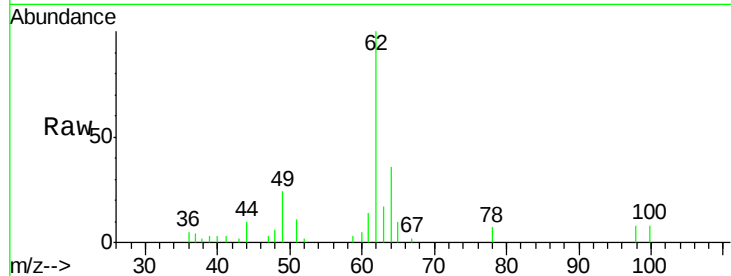
WP022MW357-180424

Tot Ion: 62 Resp: 8042

Ion Ratio Lower Upper

62 100

98 9.6 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX001138.D (-902) (-)

Ion 97.90 (97.60 to 98.60): VX001138.D (-902) (-)

6.21

3000

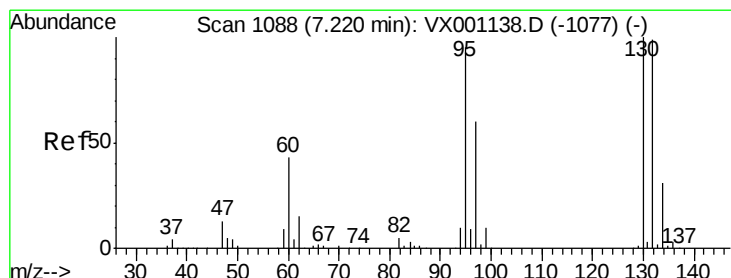
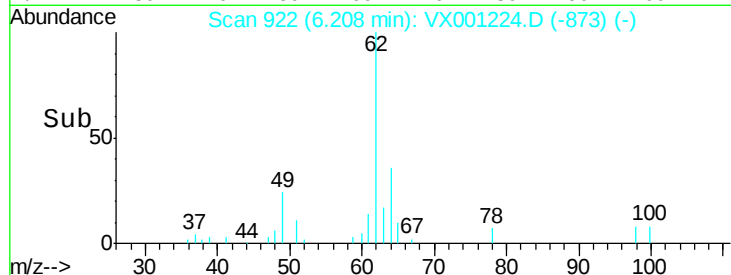
2000

1000

0

6.10 6.20 6.30

Time-->



#44

Trichloroethene

Concen: 2.02 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001224.D

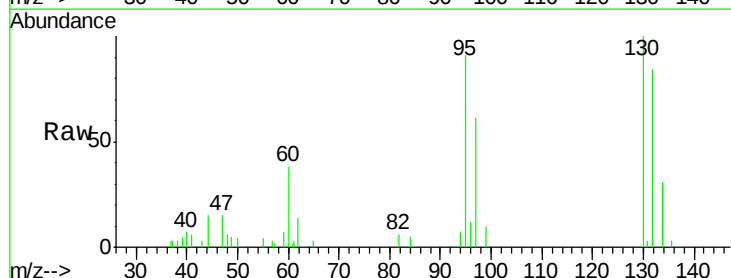
Acq: 28 Apr 2018 19:47

Tgt Ion: 130 Resp: 4441

Ion Ratio Lower Upper

130 100

95 90.9 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): VX001138.D (-1077) (-)

Ion 94.90 (94.60 to 95.60): VX001138.D (-1077) (-)

7.22

2500

2000

1500

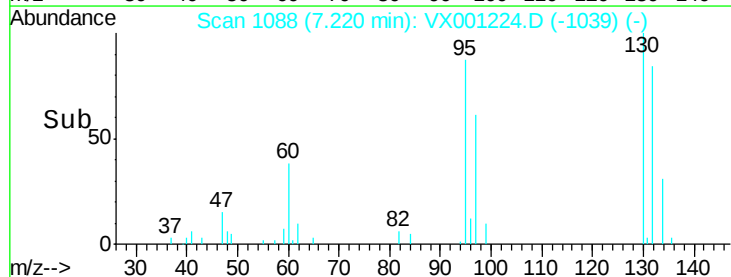
1000

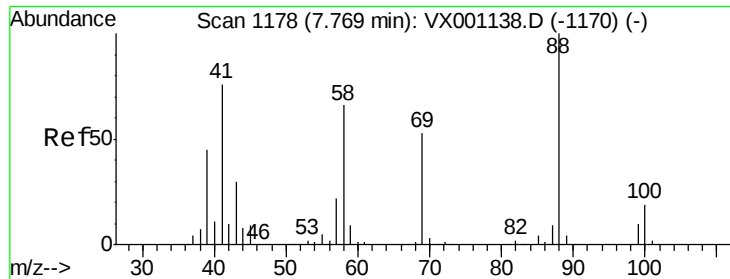
500

0

7.15 7.20 7.25 7.30

Time-->

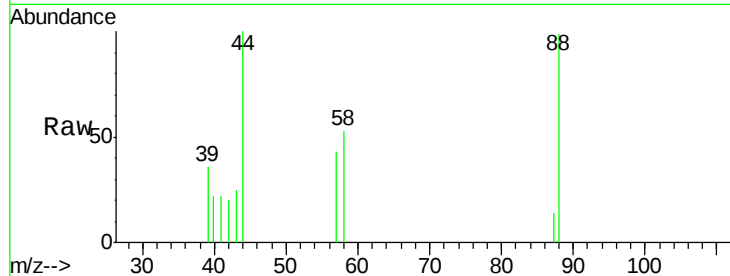




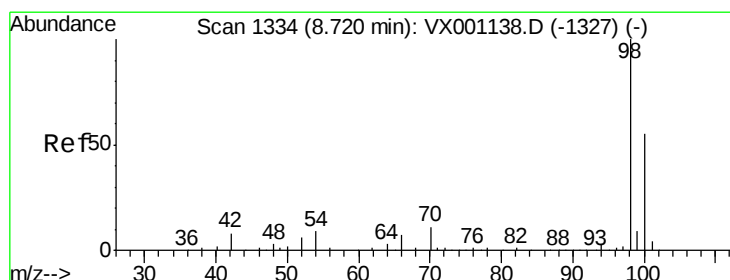
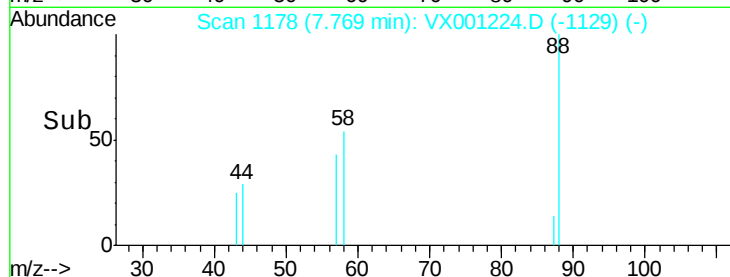
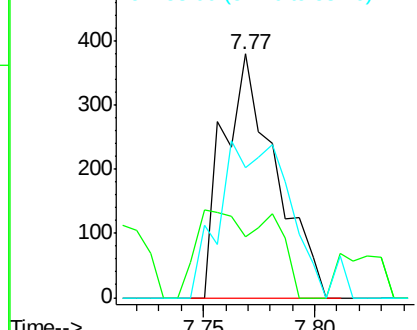
#49
1,4-Dioxane
Concen: 12.19 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

Tot Ion: 88 Resp: 622
Ion Ratio Lower Upper
88 100
43 32.0 27.3 40.9
58 84.1 54.2 81.4#

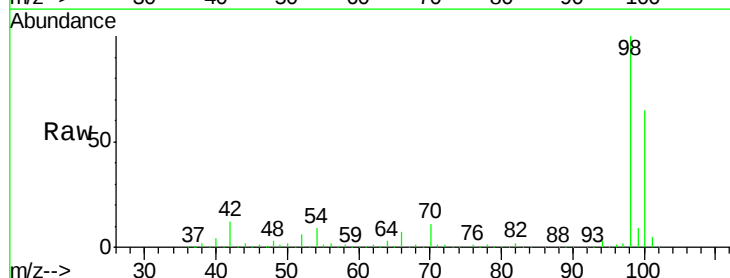


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

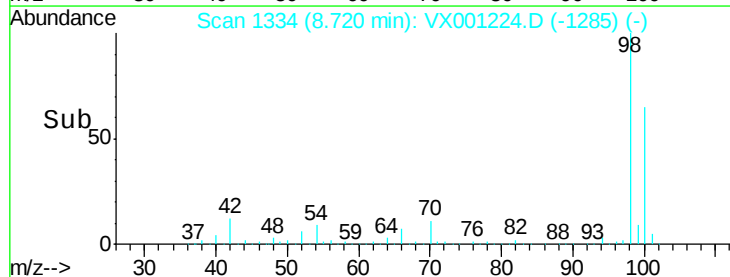
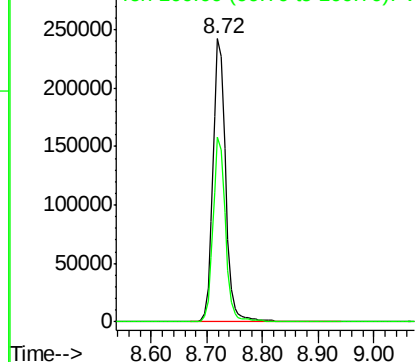


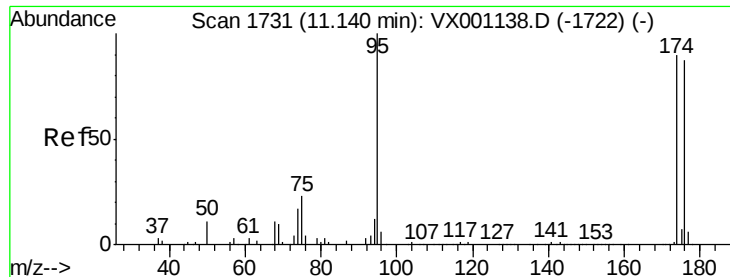
#50
Toluene-d8
Concen: 53.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Tgt Ion: 98 Resp: 389213
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

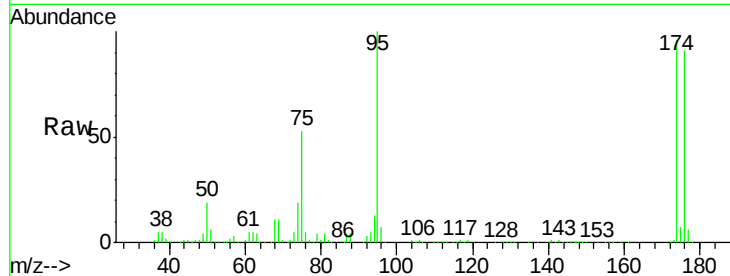




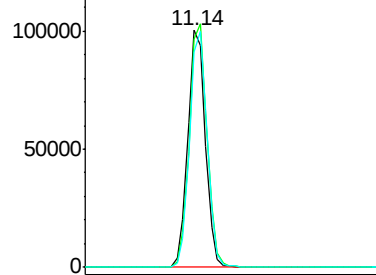
#62
4-Bromofluorobenzene
Concen: 46.00 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

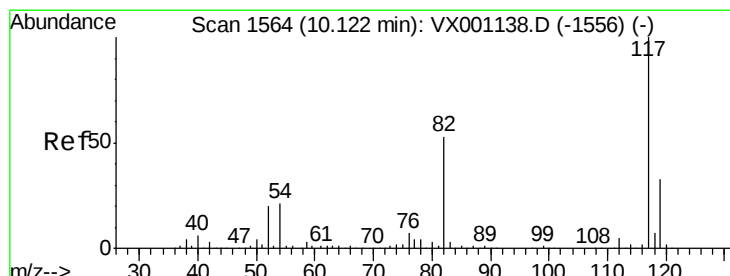
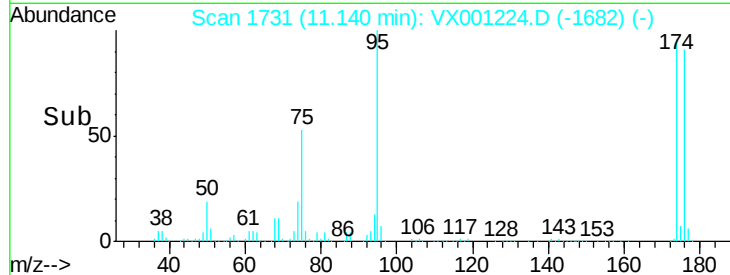
Tot Ion: 95 Resp: 129826
Ion Ratio Lower Upper
95 100
174 103.3 0.0 194.4
176 99.9 0.0 190.2



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

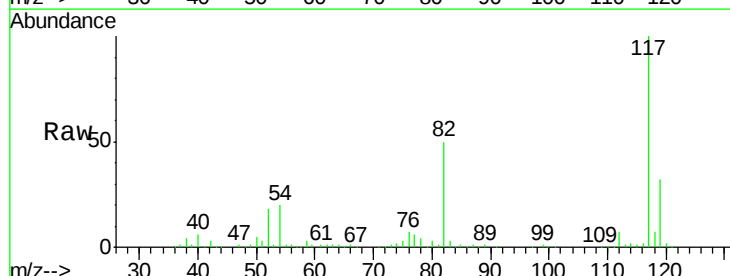


Time-->

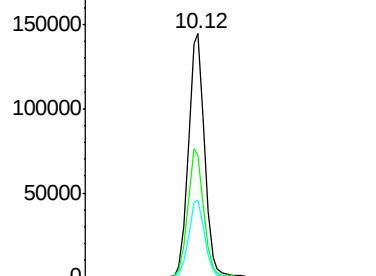


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

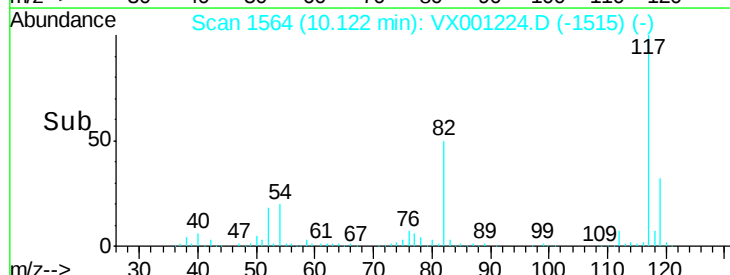
Tgt Ion: 117 Resp: 205935
Ion Ratio Lower Upper
117 100
82 50.2 42.1 63.1
119 31.6 26.1 39.1

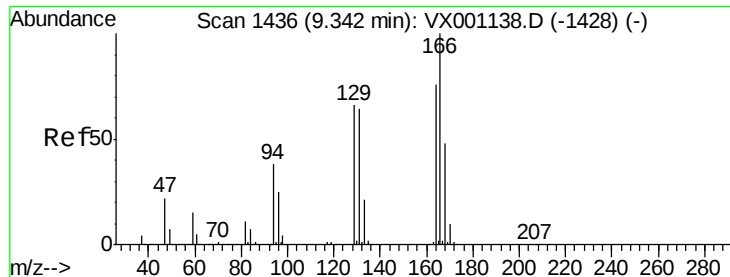


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



Time-->

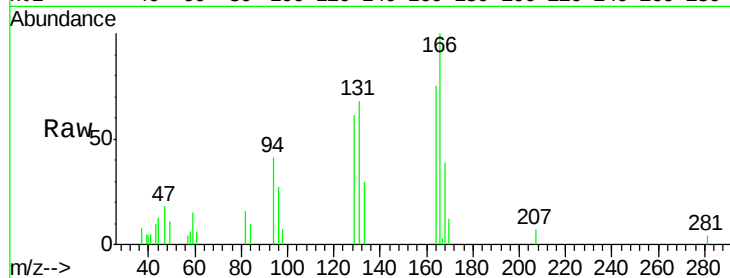




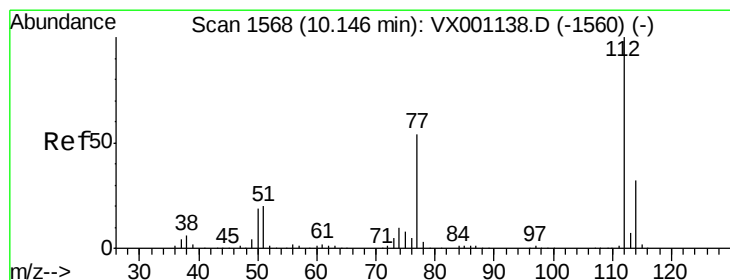
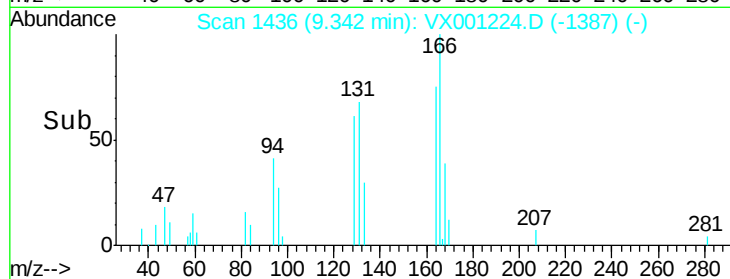
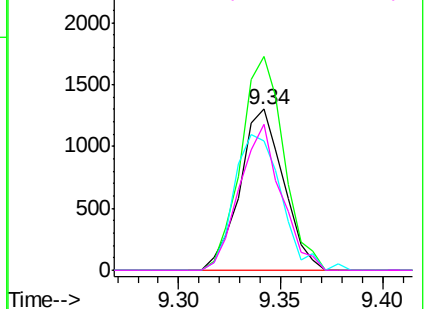
#64
Tetrachloroethene
Concen: 0.88 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :
WP022MW357-180424

Tot Ion:164 Resp: 1932
Ion Ratio Lower Upper
164 100
166 132.5 105.0 157.6
129 80.3 69.4 104.2
131 90.4 67.3 100.9

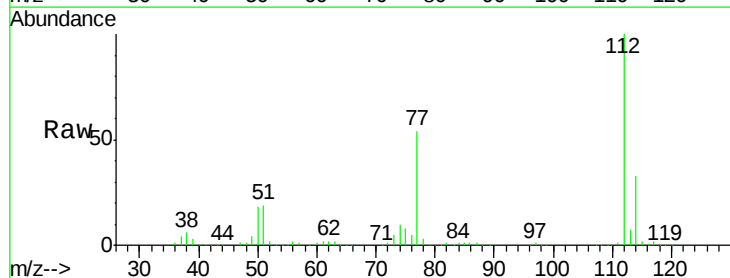


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

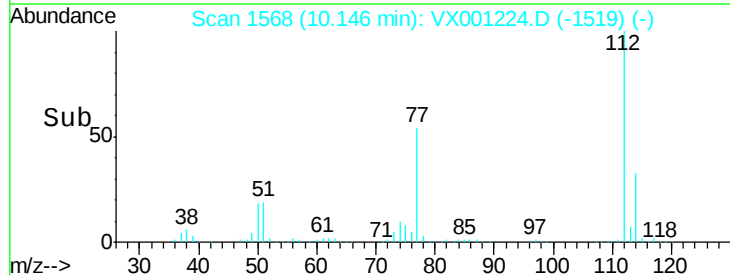
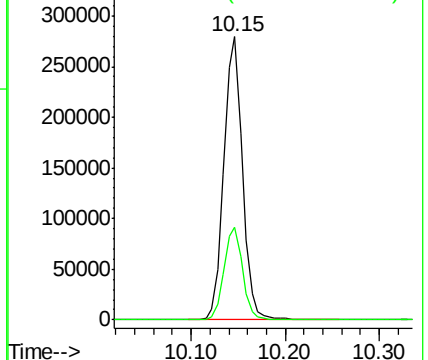


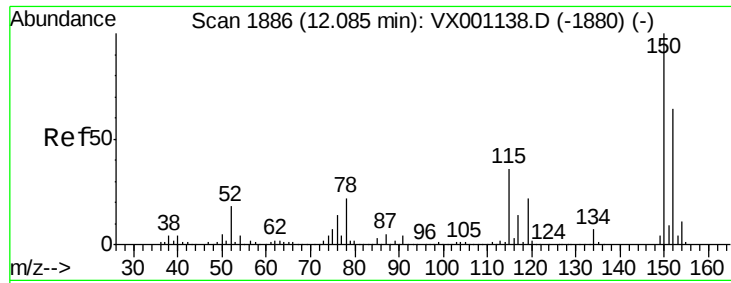
#65
Chlorobenzene
Concen: 71.00 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001224.D
Acq: 28 Apr 2018 19:47

Tgt Ion:112 Resp: 383055
Ion Ratio Lower Upper
112 100
114 32.7 25.7 38.5



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

WP022MW357-180424

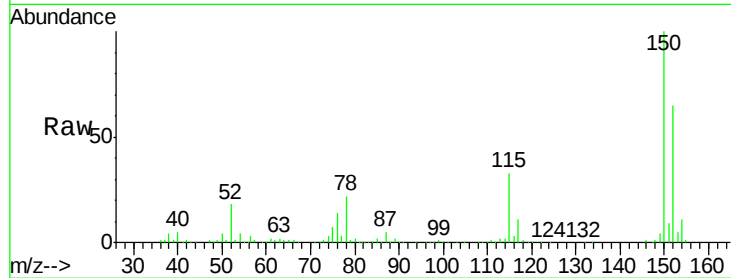
Tot Ion:152 Resp: 111352

Ion Ratio Lower Upper

152 100

115 52.1 38.0 114.0

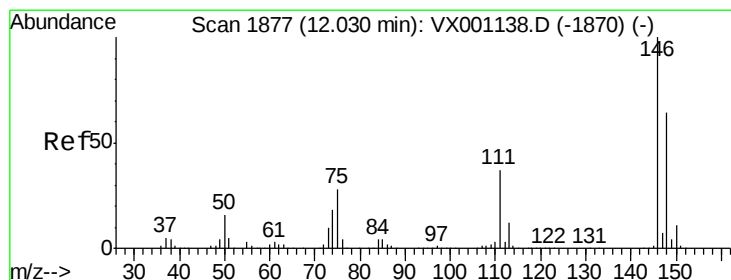
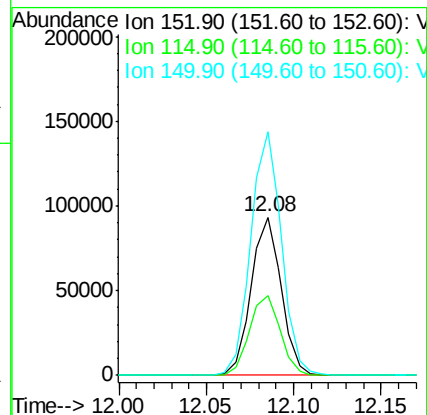
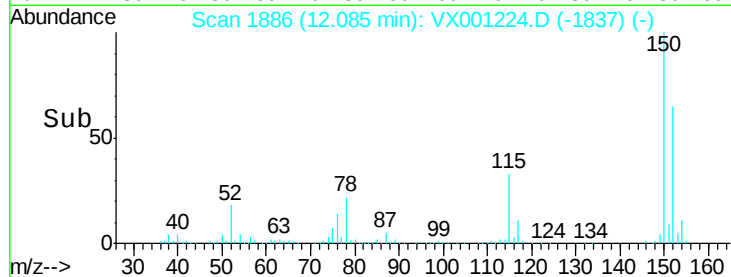
150 156.9 0.0 349.6



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



#87

1,3-Dichlorobenzene

Concen: 0.54 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

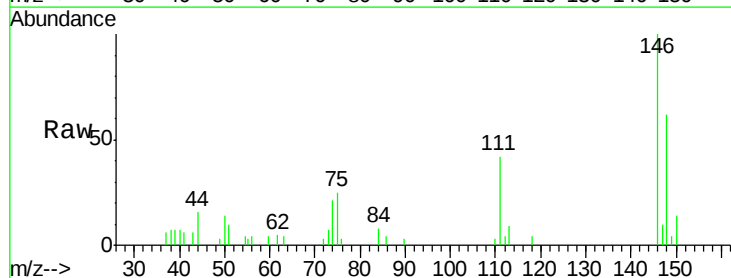
Tgt Ion:146 Resp: 2092

Ion Ratio Lower Upper

146 100

111 41.5 18.6 56.0

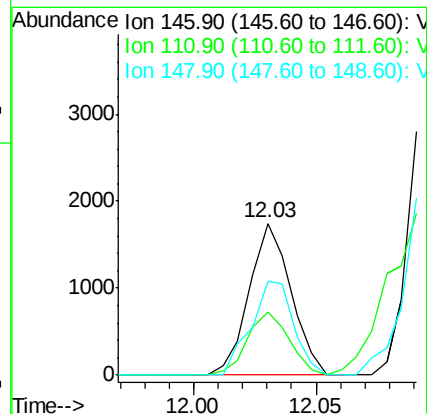
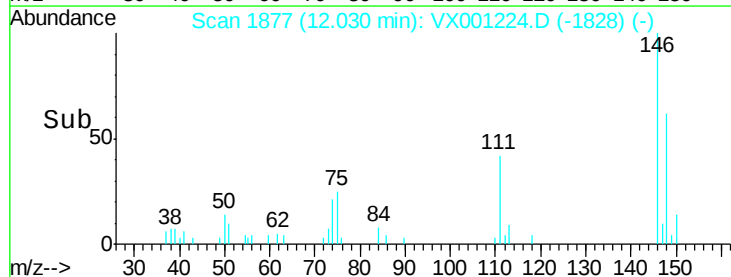
148 63.3 32.3 96.8

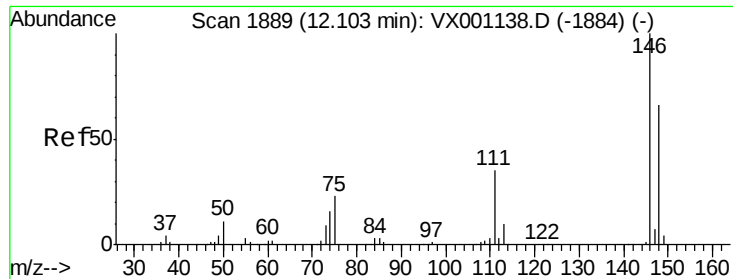


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.43 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

WP022MW357-180424

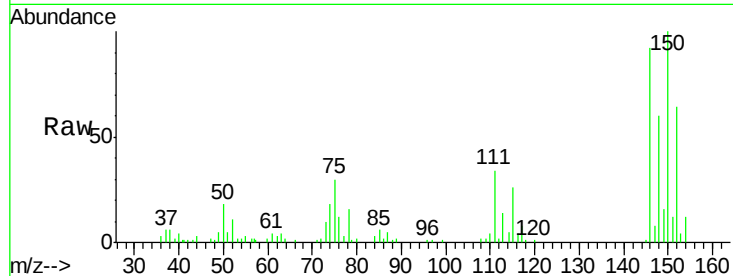
Tot Ion:146 Resp: 9793

Ion Ratio Lower Upper

146 100

111 49.3 18.0 54.0

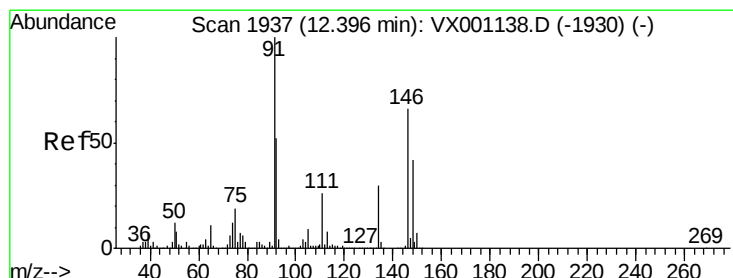
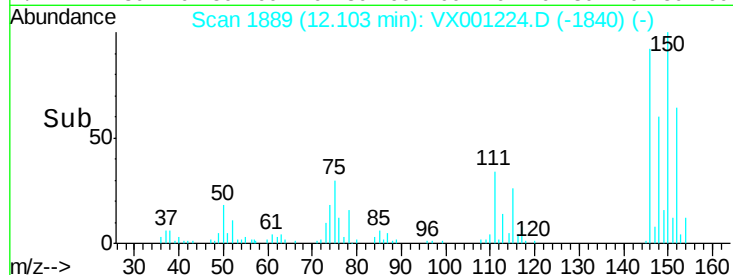
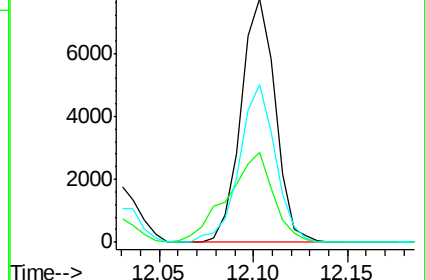
148 68.1 32.5 97.5



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



#91

1,2-Dichlorobenzene

Concen: 2.19 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001224.D

Acq: 28 Apr 2018 19:47

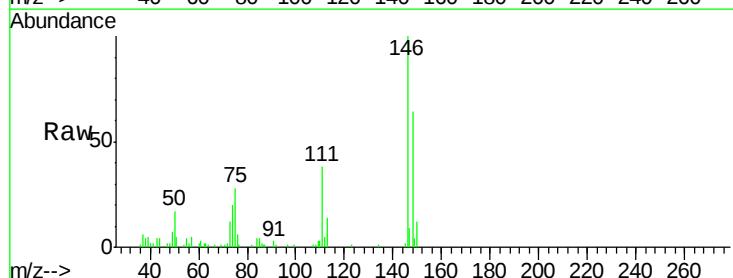
Tgt Ion:146 Resp: 8540

Ion Ratio Lower Upper

146 100

111 36.5 19.1 57.3

148 63.6 32.2 96.6



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

