

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001067.D
 Acq On : 23 Apr 2018 18:53
 Operator : JC/MD
 Sample : J2464-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW100-180418

Quant Time: Apr 24 07:04:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	197039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	278691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	140756	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	129985	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
35) Dibromofluoromethane	5.51	113	99162	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	8.72	98	379714	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	135807	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	

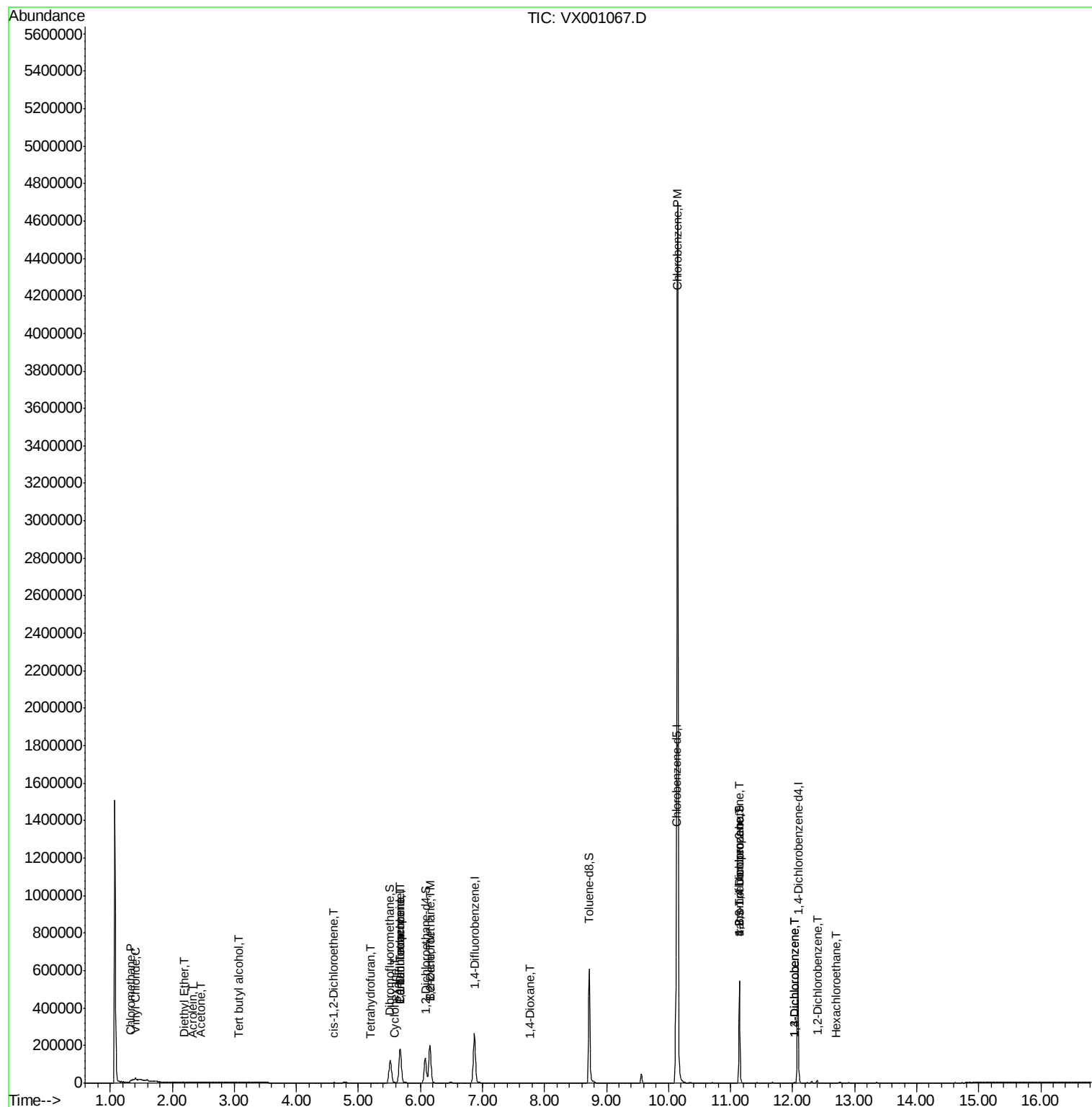
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	889	0.39	ug/l	# 79
4) Vinyl Chloride	1.40	62	7083	3.00	ug/l	94
5) Bromomethane	1.64	94	86	Below Cal	#	2
8) Diethyl Ether	2.20	74	858	0.66	ug/l	93
11) Tert butyl alcohol	3.07	59	850	2.26	ug/l	100
13) Acrolein	2.32	56	29	11.17	ug/l	# 1
16) Acetone	2.45	43	1569	1.67	ug/l	99
20) Methylene Chloride	2.86	84	153	Below Cal	#	86
27) cis-1,2-Dichloroethene	4.60	96	1811	0.76	ug/l	82
29) Tetrahydrofuran	5.19	42	392	0.42	ug/l	# 39
31) Cyclohexane	5.59	56	1135	0.32	ug/l	84
36) 1,1-Dichloropropene	5.67	75	12345	3.77	ug/l	# 49
38) Carbon Tetrachloride	5.68	117	17249	5.20	ug/l	# 17
40) Benzene	6.15	78	237704	26.11	ug/l	100
42) 1,2-Dichloroethane	6.15	62	2539	0.73	ug/l	# 76
49) 1,4-Dioxane	7.77	88	330	8.09	ug/l	# 73
65) Chlorobenzene	10.15	112	2071972	315.74	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	69121	28.30	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	69121	84.47	ug/l	# 8
87) 1,3-Dichlorobenzene	12.04	146	2284	0.46	ug/l	95
88) 1,4-Dichlorobenzene	12.04	146	2284	0.44	ug/l	95
90) Hexachloroethane	12.71	117	422	0.34	ug/l	# 1
91) 1,2-Dichlorobenzene	12.40	146	4828	1.00	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

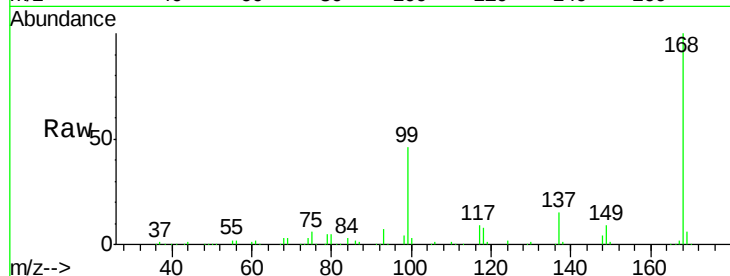
SS043MW100-180418

Tgt Ion: 168 Resp: 197039

Ion Ratio Lower Upper

168 100

99 45.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

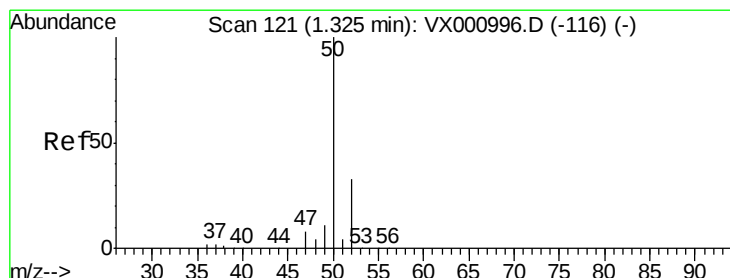
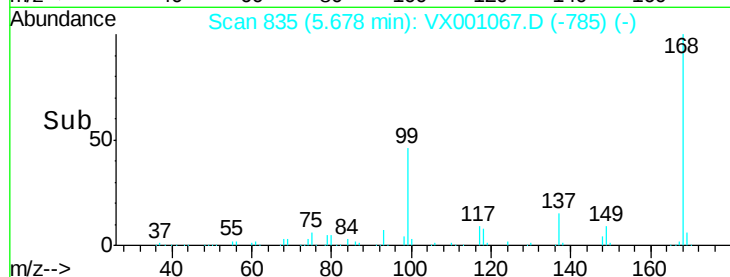
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.39 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001067.D

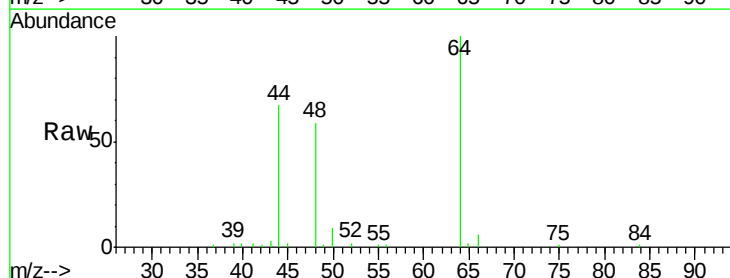
Acq: 23 Apr 2018 18:53

Tgt Ion: 50 Resp: 889

Ion Ratio Lower Upper

50 100

52 21.1 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

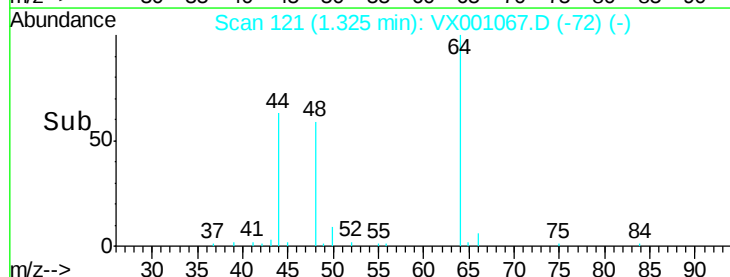
300

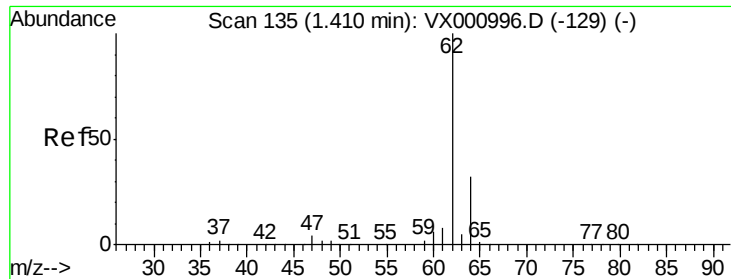
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 3.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

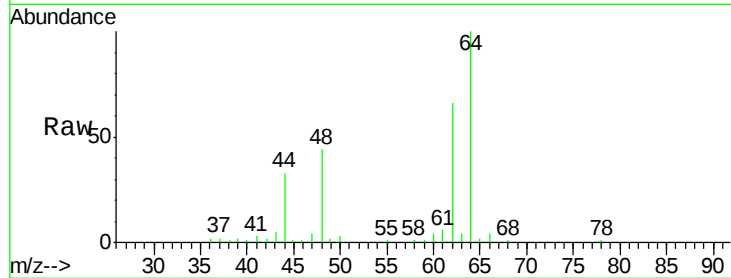
SS043MW100-180418

Tgt Ion: 62 Resp: 7083

Ion Ratio Lower Upper

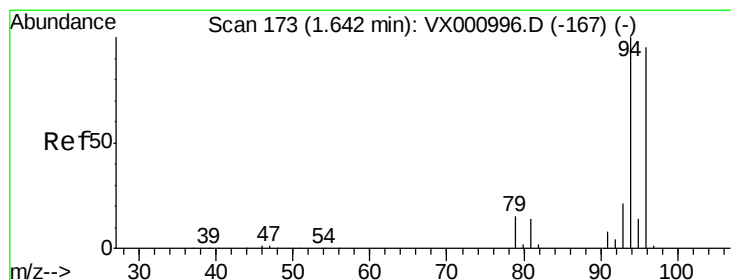
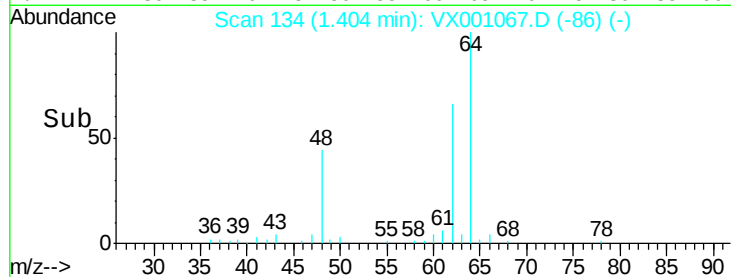
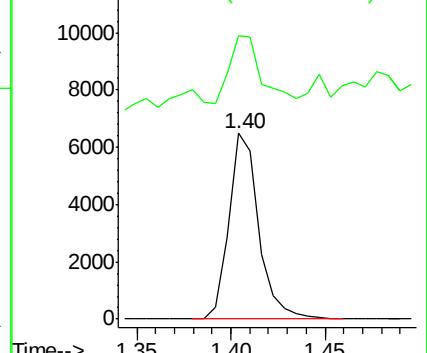
62 100

64 28.9 25.6 38.4



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: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001067.D

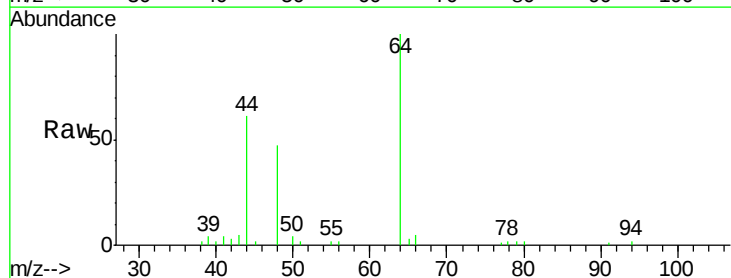
Acq: 23 Apr 2018 18:53

Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

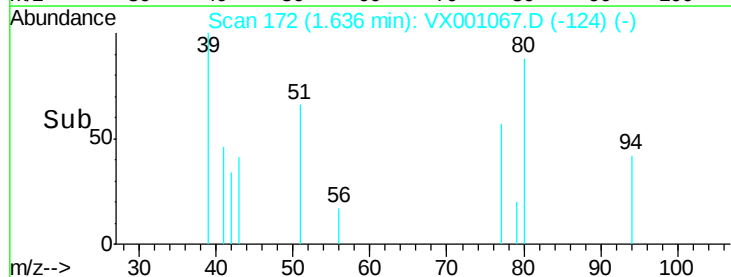
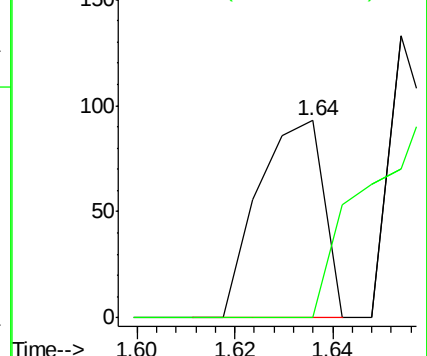
94 100

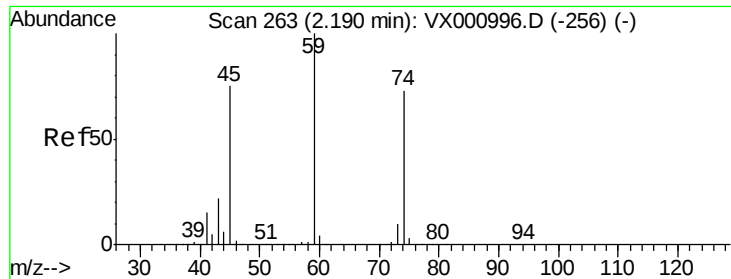
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

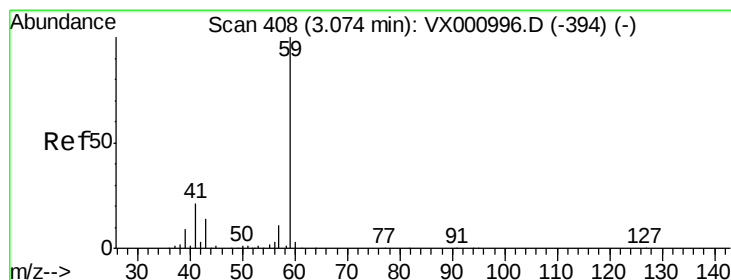
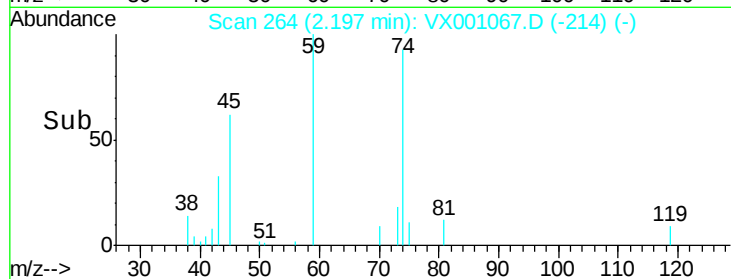
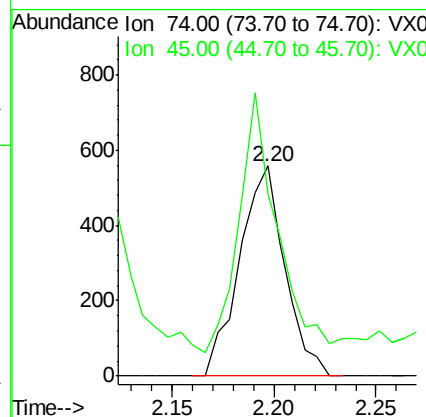
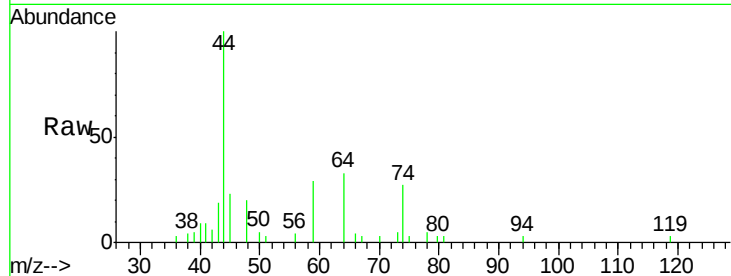




#8
 Diethyl Ether
 Concen: 0.66 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.01 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

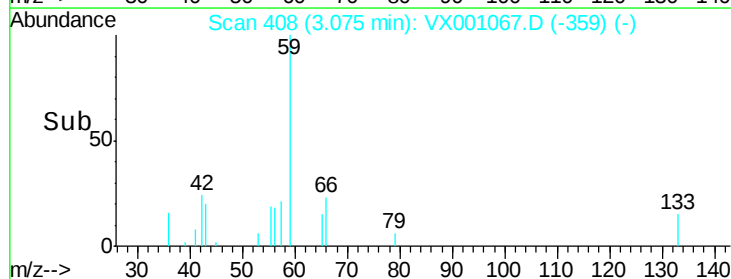
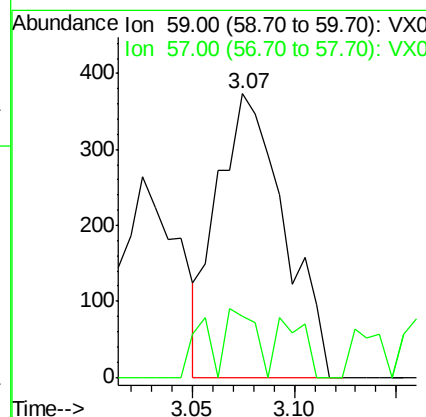
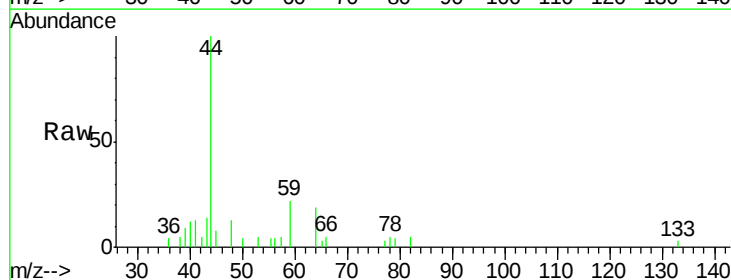
Instrument :
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 SS043MW100-180418

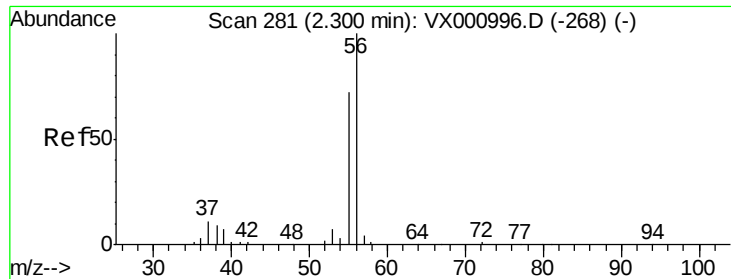
Tgt Ion: 74 Resp: 858
 Ion Ratio Lower Upper
 74 100
 45 105.4 49.0 147.0



#11
 Tert butyl alcohol
 Concen: 2.26 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Tgt Ion: 59 Resp: 850
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5





#13

Acrolein

Concen: 11.17 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

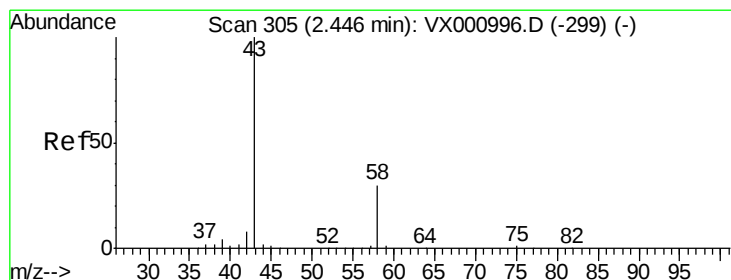
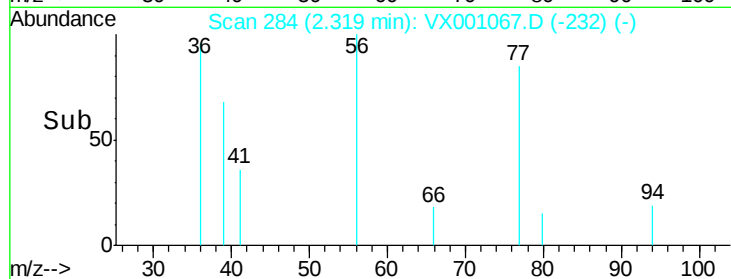
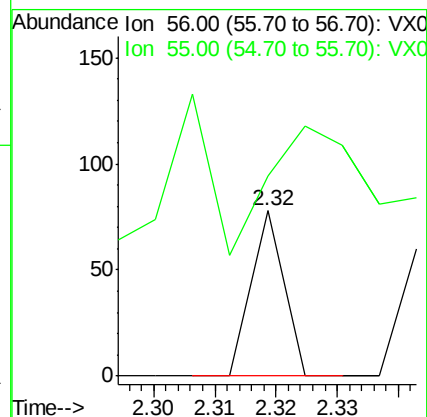
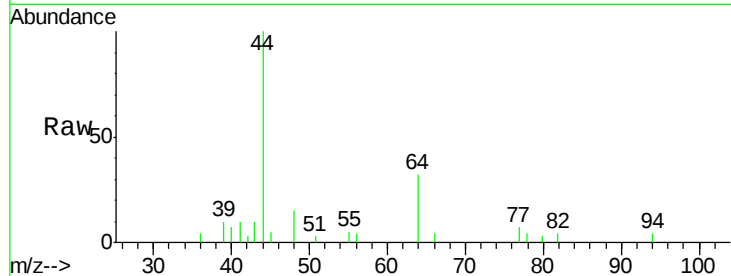
SS043MW100-180418

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 282.8 57.4 86.2#



#16

Acetone

Concen: 1.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001067.D

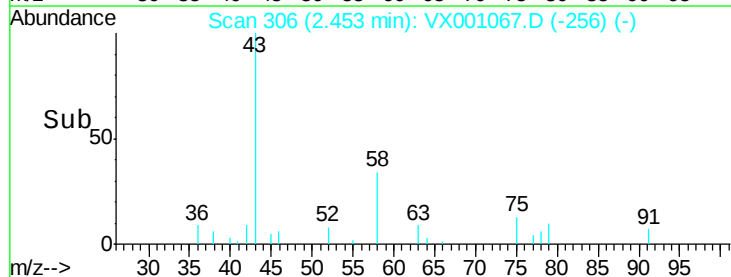
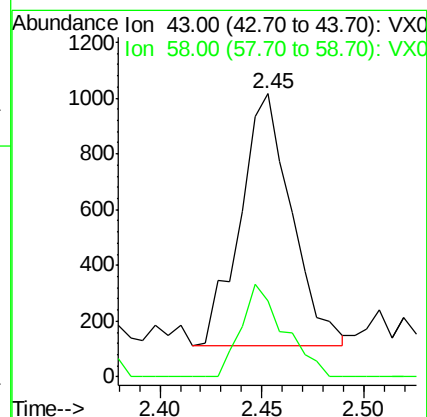
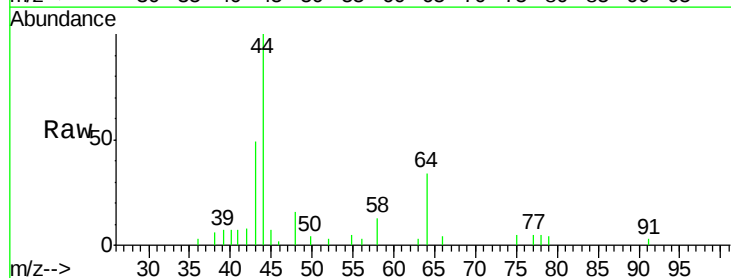
Acq: 23 Apr 2018 18:53

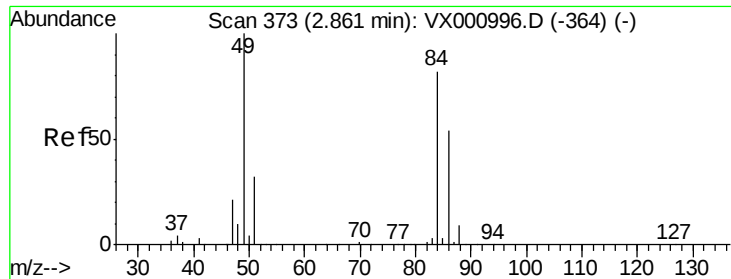
Tgt Ion: 43 Resp: 1569

Ion Ratio Lower Upper

43 100

58 30.3 23.7 35.5

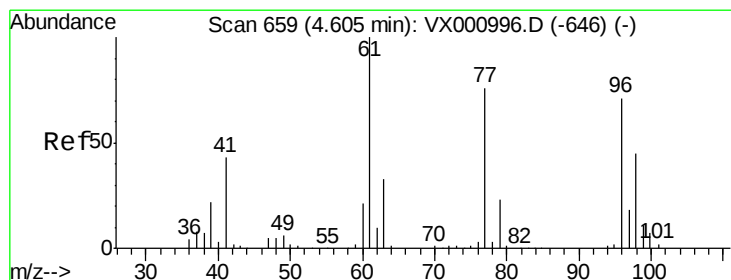
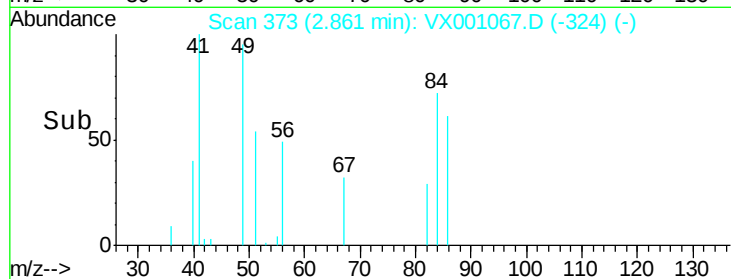
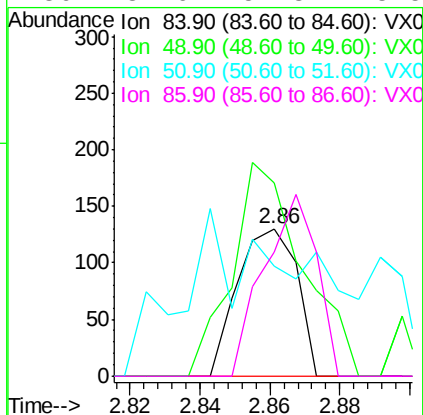
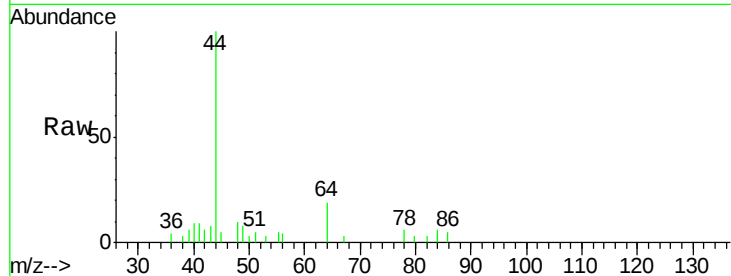




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

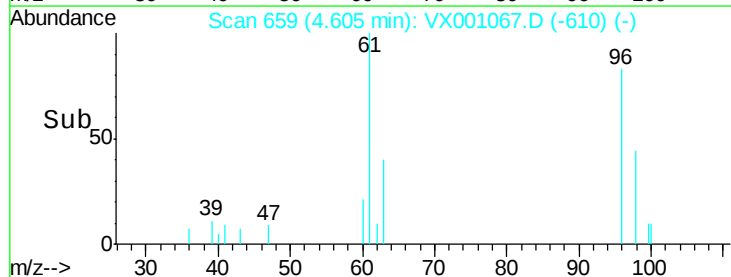
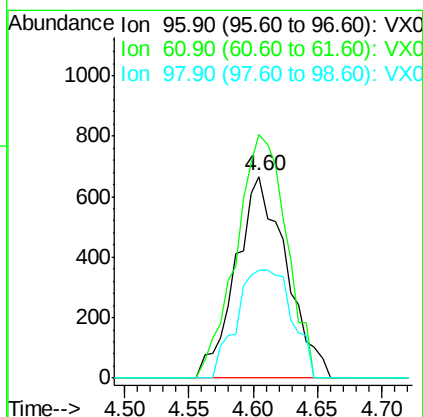
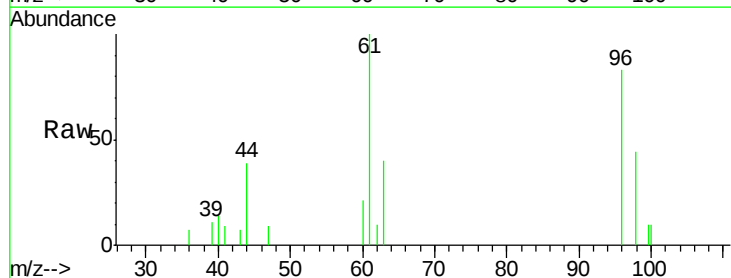
Instrument :
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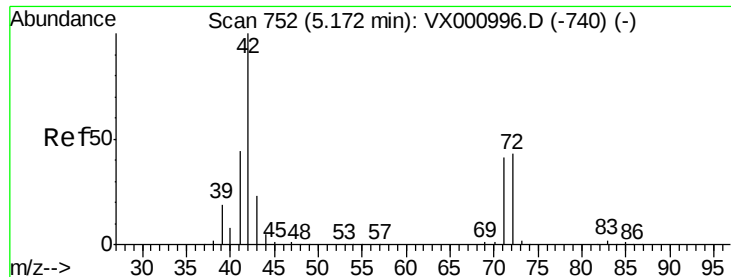
Tgt Ion: 84 Resp: 153
Ion Ratio Lower Upper
84 100
49 131.5 97.1 145.7
51 30.0 30.8 46.2#
86 84.6 52.3 78.5#



#27
cis-1,2-Dichloroethene
Concen: 0.76 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

Tgt Ion: 96 Resp: 1811
Ion Ratio Lower Upper
96 100
61 120.0 0.0 297.0
98 58.7 0.0 130.0





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

SS043MW100-180418

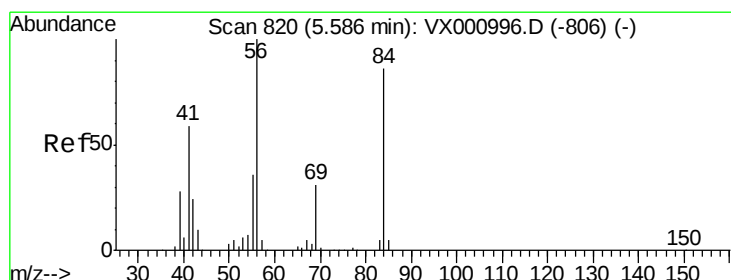
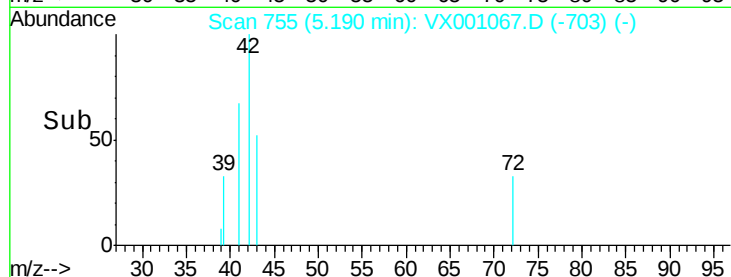
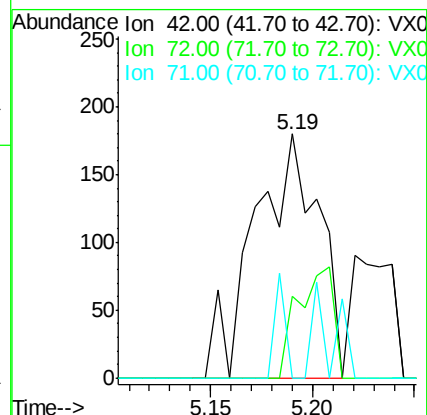
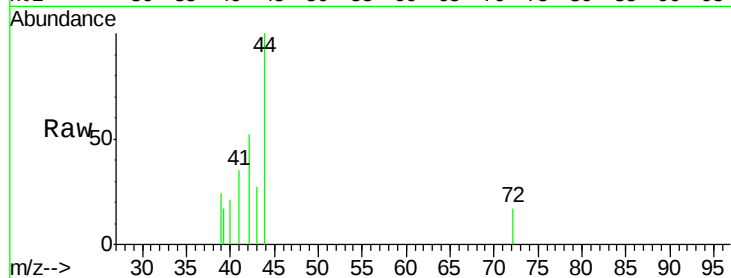
Tgt Ion: 42 Resp: 392

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 7.1 32.6 49.0#



#31

Cyclohexane

Concen: 0.32 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

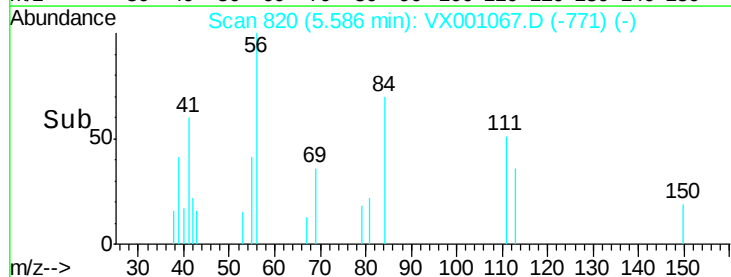
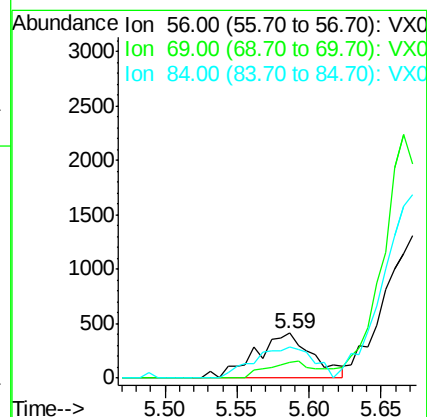
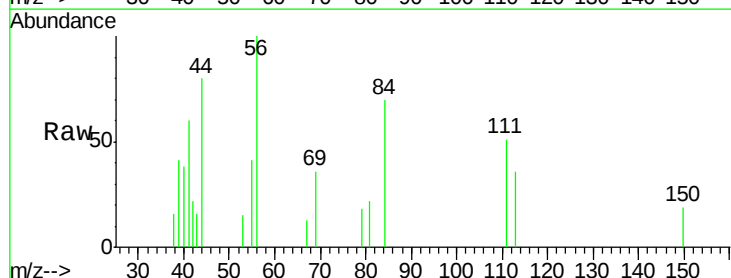
Tgt Ion: 56 Resp: 1135

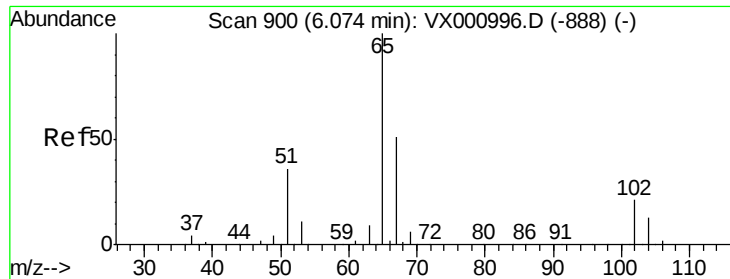
Ion Ratio Lower Upper

56 100

69 36.5 24.6 36.8

84 70.1 69.0 103.6

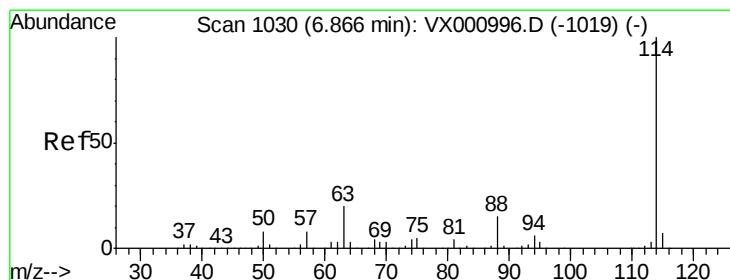
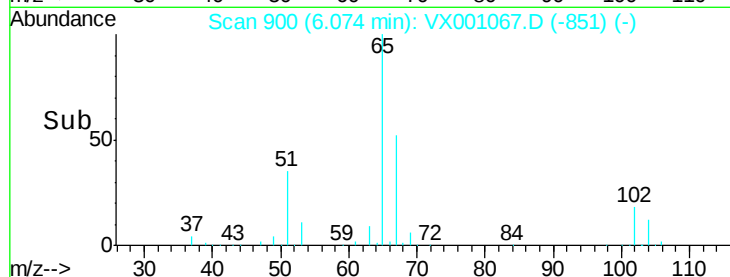
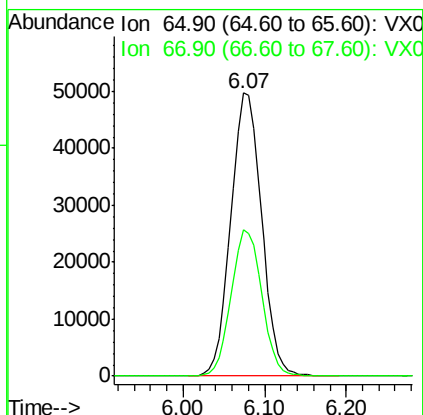
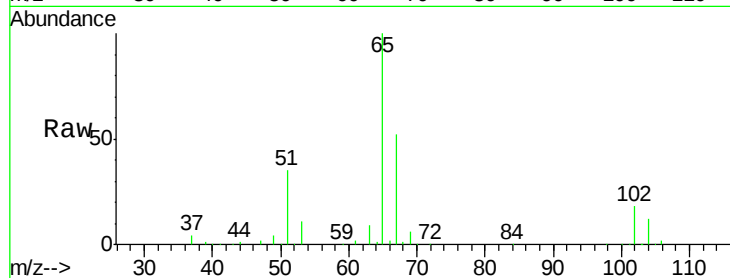




#33
 1,2-Dichloroethane-d4
 Concen: 52.04 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

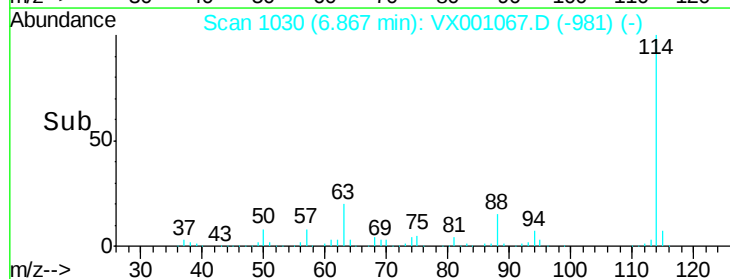
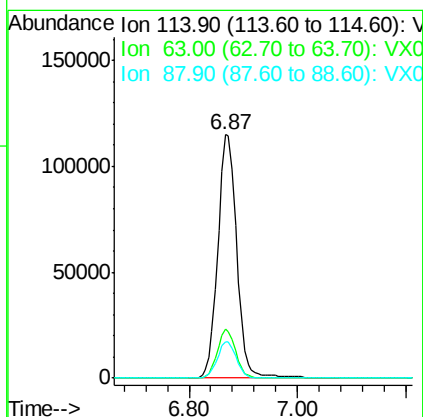
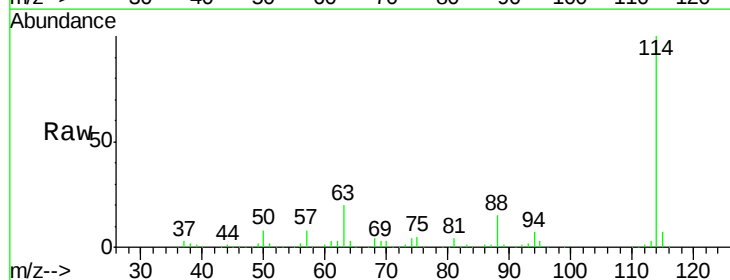
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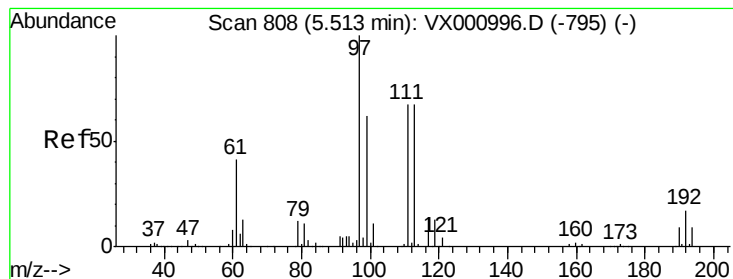
Tgt Ion: 65 Resp: 129985
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Tgt Ion: 114 Resp: 278691
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.66 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

SS043MW100-180418

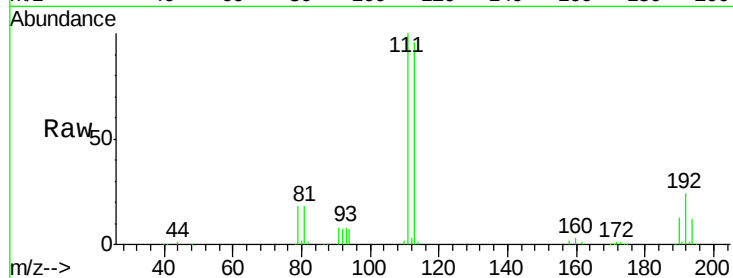
Tgt Ion:113 Resp: 99162

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

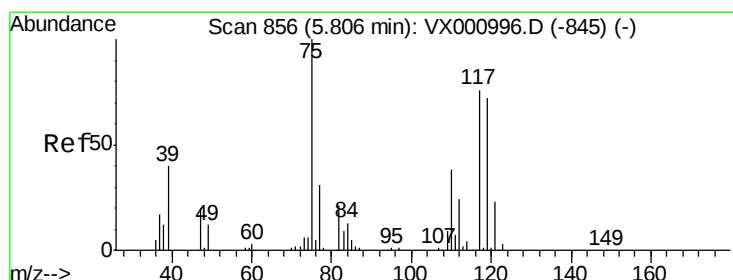
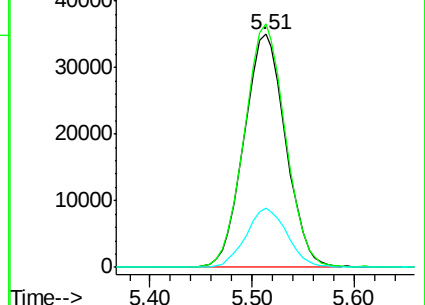
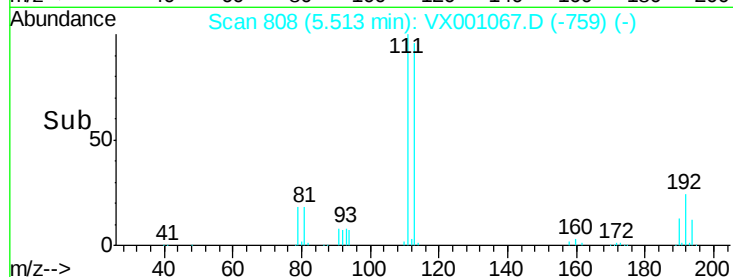
192 25.1 20.4 30.6



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: 3.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

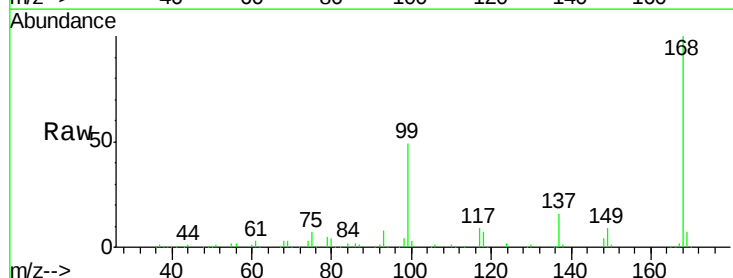
Tgt Ion: 75 Resp: 12345

Ion Ratio Lower Upper

75 100

110 9.7 18.7 56.1#

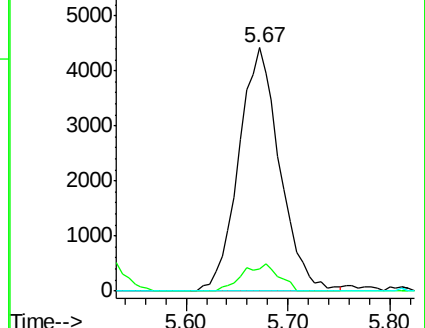
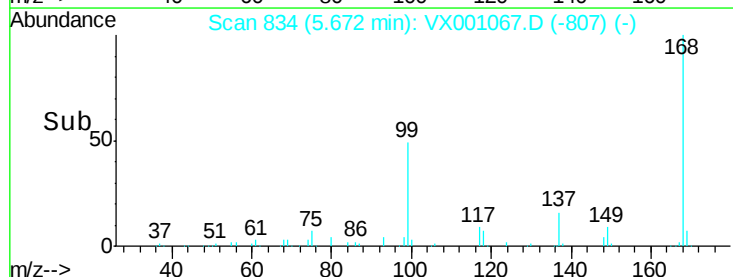
77 0.0 25.0 37.4#

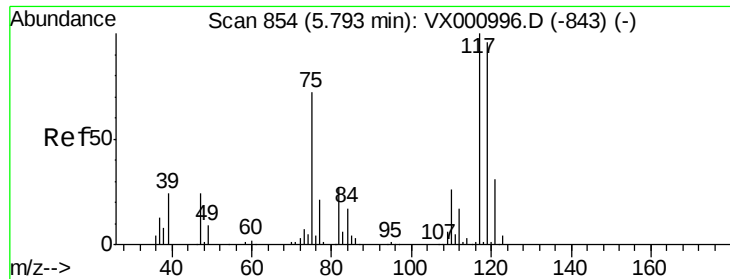


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.20 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

SS043MW100-180418

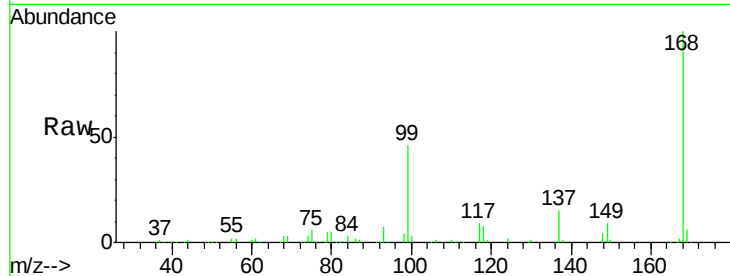
Tgt Ion:117 Resp: 17249

Ion Ratio Lower Upper

117 100

119 6.1 76.5 114.7#

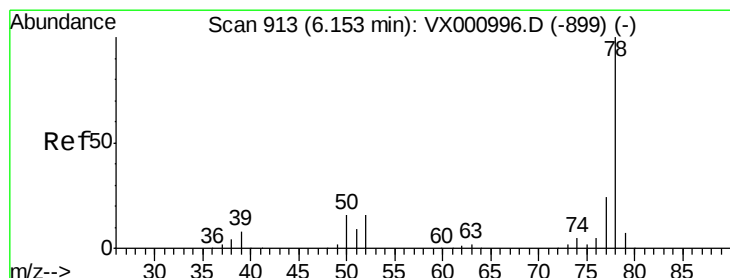
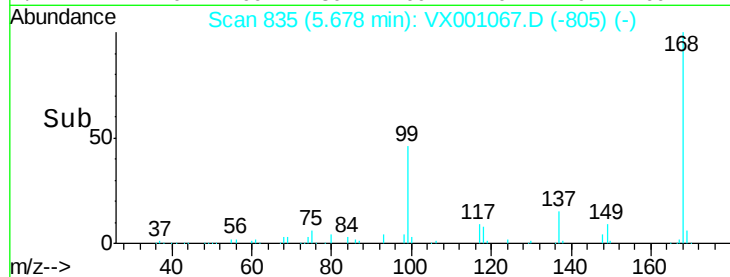
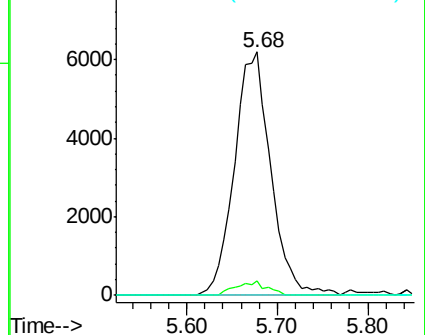
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 26.11 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001067.D

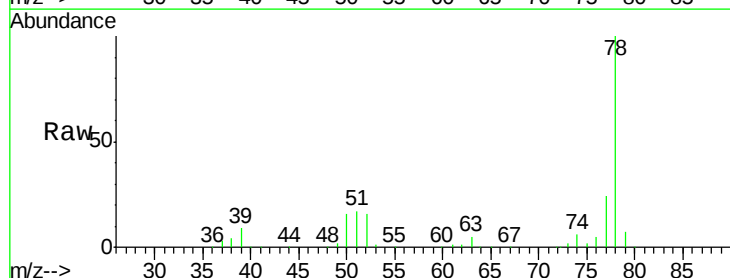
Acq: 23 Apr 2018 18:53

Tgt Ion: 78 Resp: 237704

Ion Ratio Lower Upper

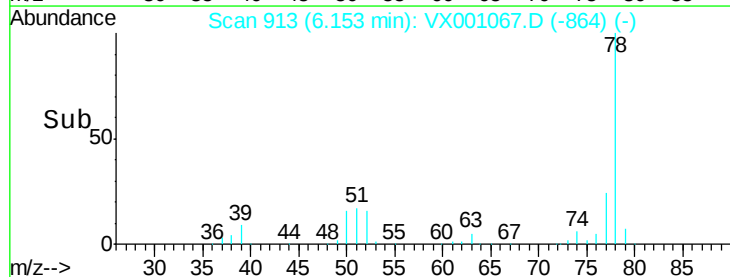
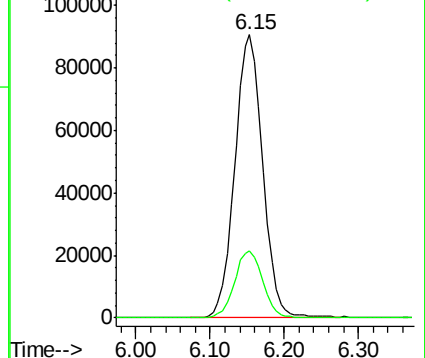
78 100

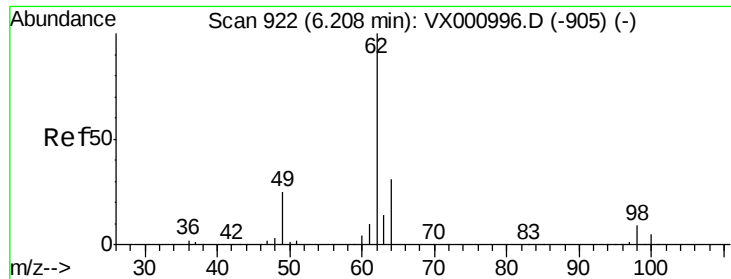
77 23.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

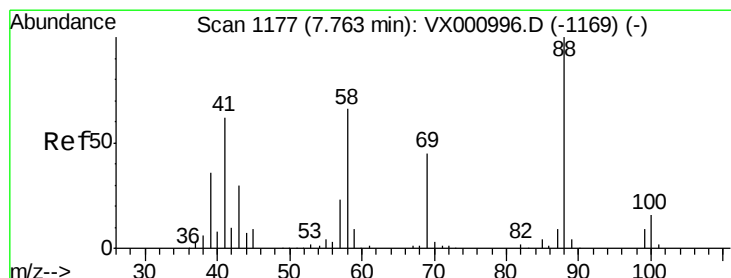
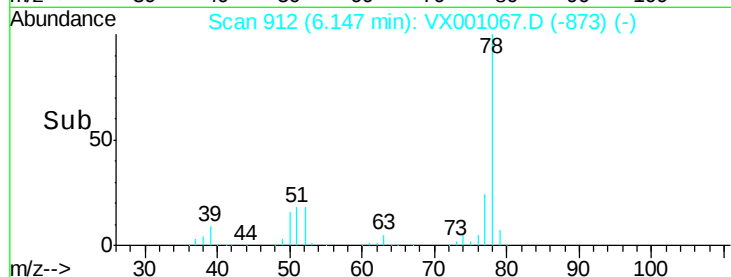
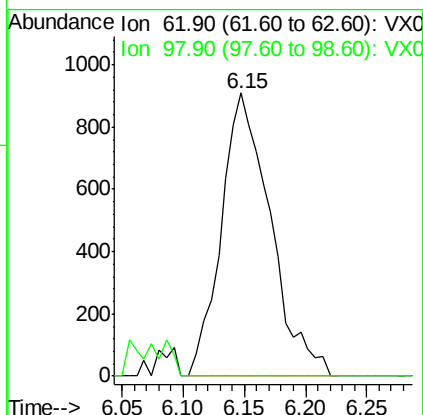
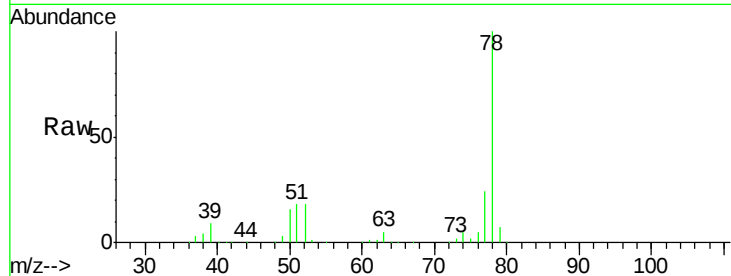




#42
 1,2-Dichloroethane
 Concen: 0.73 ug/l
 RT: 6.15 min Scan# 912
 Delta R.T. -0.06 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

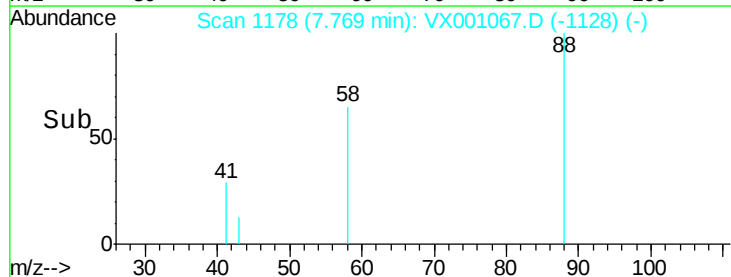
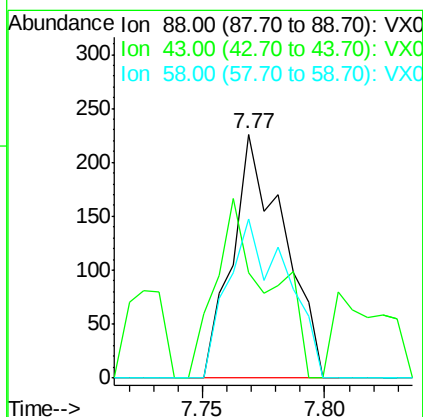
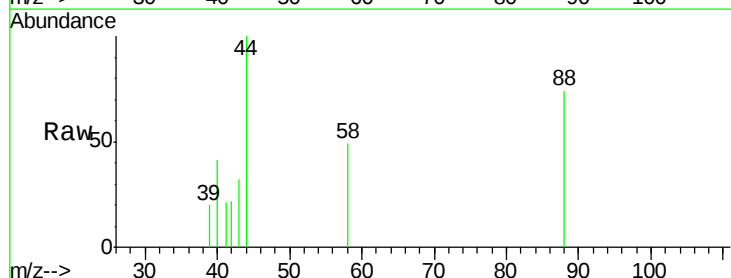
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW100-180418

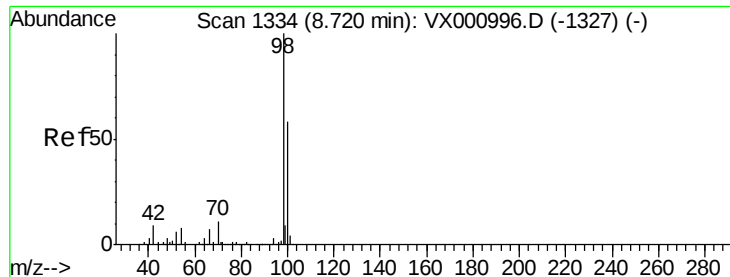
Tgt Ion: 62 Resp: 2539
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.6



#49
 1,4-Dioxane
 Concen: 8.09 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Tgt Ion: 88 Resp: 330
 Ion Ratio Lower Upper
 88 100
 43 75.8 29.2 43.8#
 58 74.2 55.0 82.6





#50

Toluene-d8

Concen: 48.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

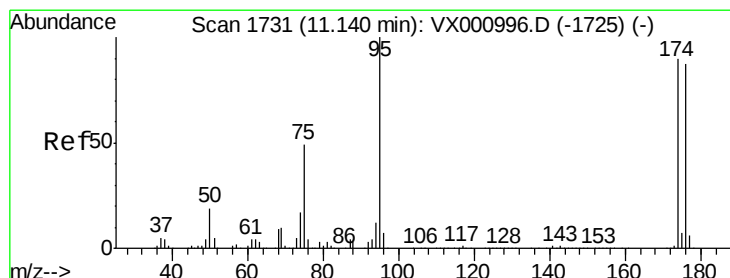
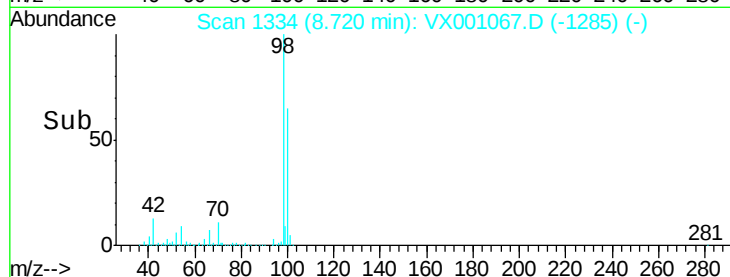
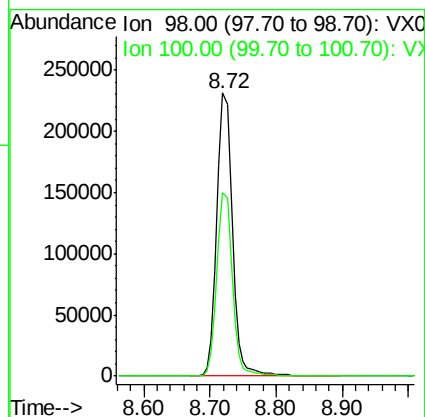
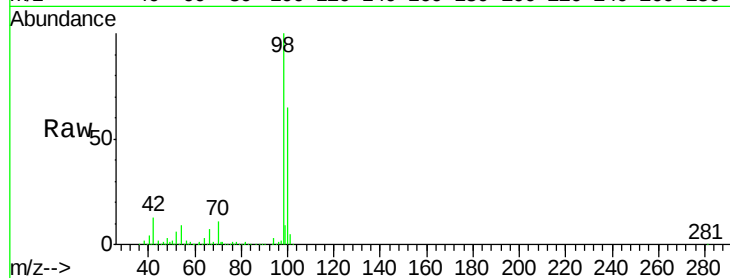
SS043MW100-180418

Tgt Ion: 98 Resp: 379714

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 41.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

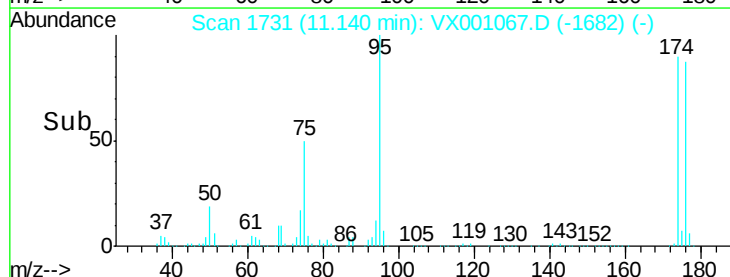
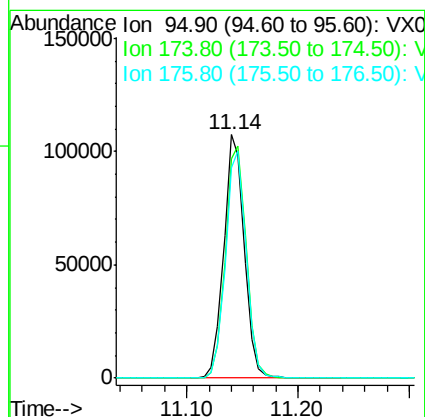
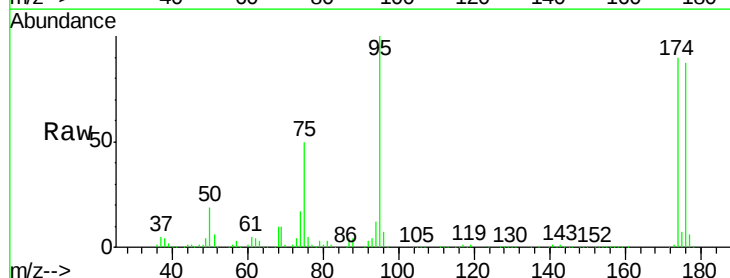
Tgt Ion: 95 Resp: 135807

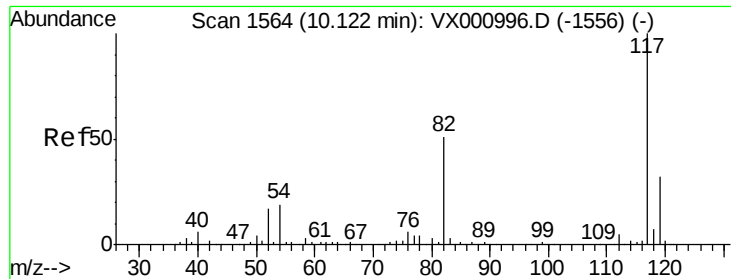
Ion Ratio Lower Upper

95 100

174 98.0 0.0 198.4

176 94.5 0.0 192.0

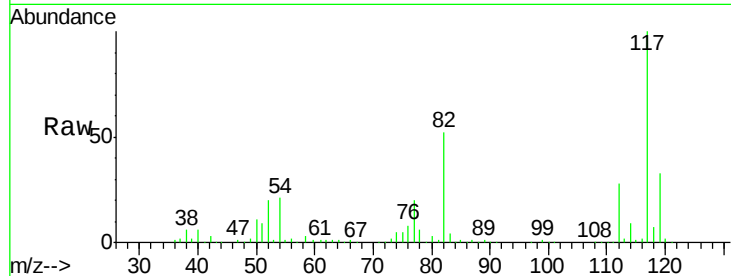




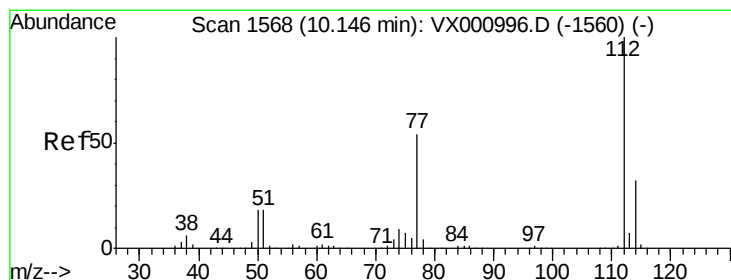
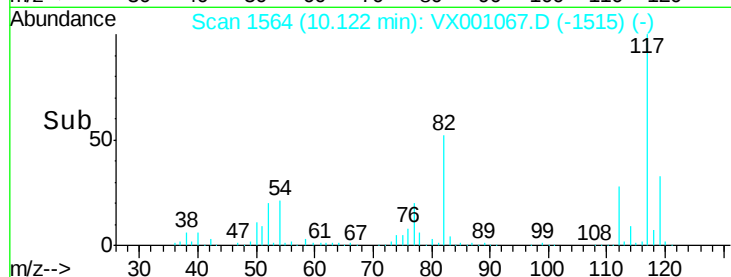
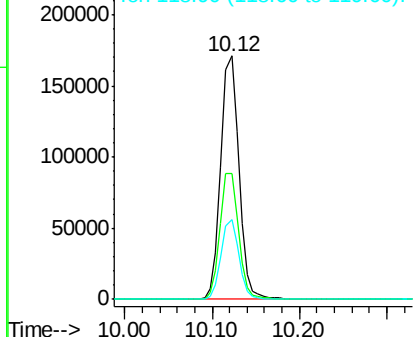
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :
SS043MW100-180418

Tgt Ion:117 Resp: 246451
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 32.7 26.0 39.0

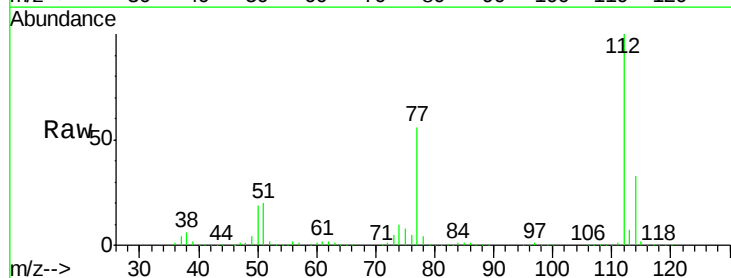


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

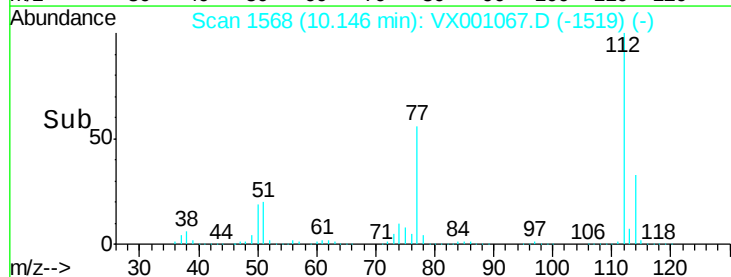
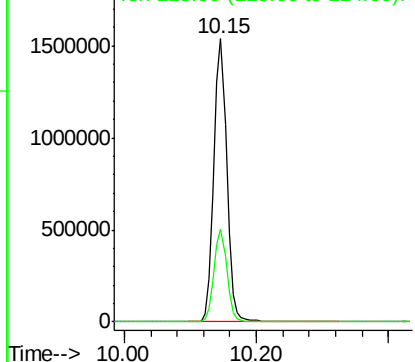


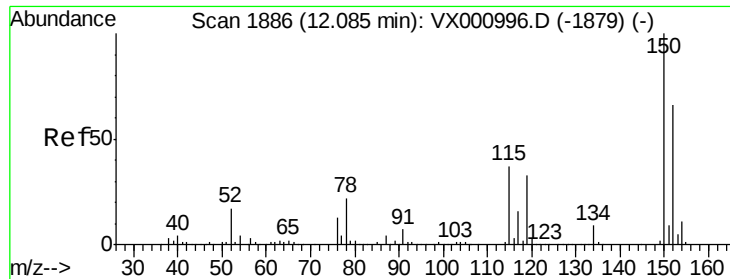
#65
Chlorobenzene
Concen: 315.74 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

Tgt Ion:112 Resp: 2071972
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001067.D

Acq: 23 Apr 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

SS043MW100-180418

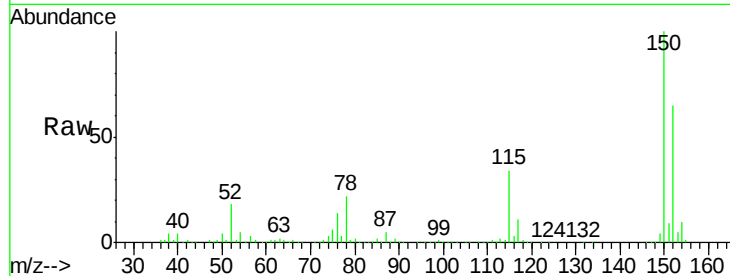
Tgt Ion:152 Resp: 140756

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

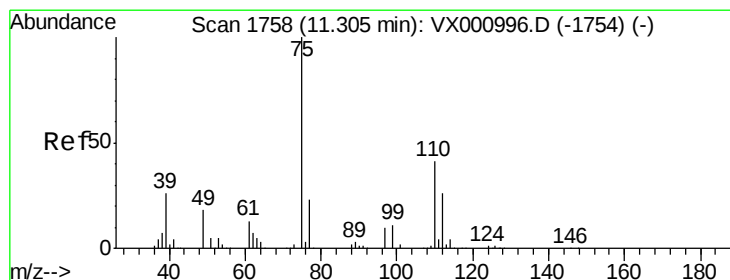
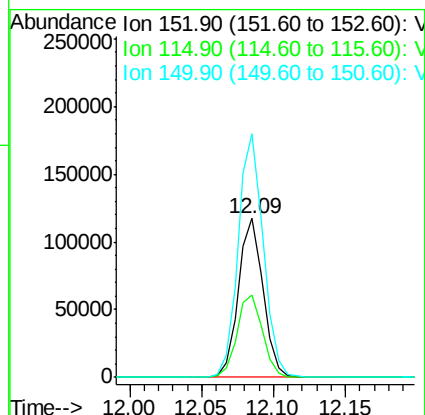
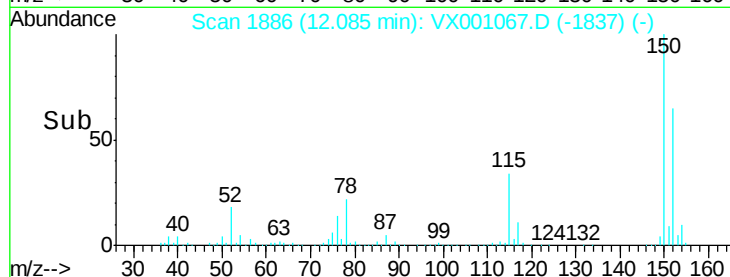
150 155.8 0.0 350.4



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: 28.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001067.D

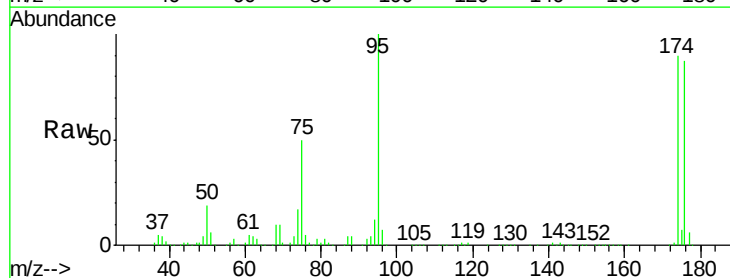
Acq: 23 Apr 2018 18:53

Tgt Ion: 75 Resp: 69121

Ion Ratio Lower Upper

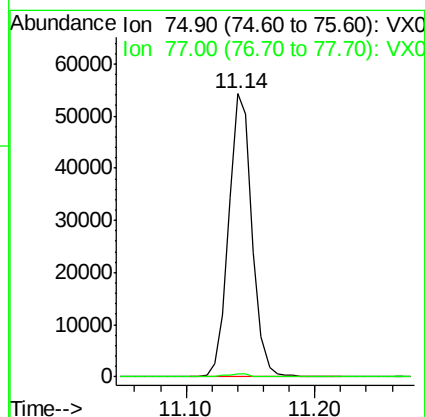
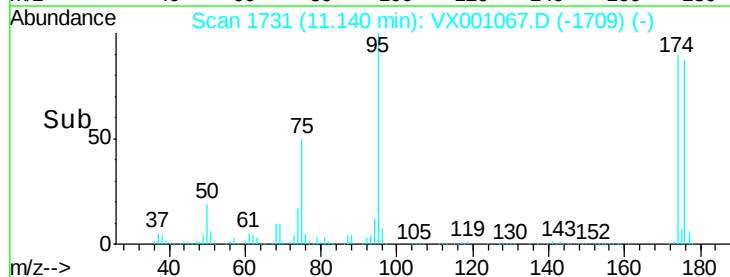
75 100

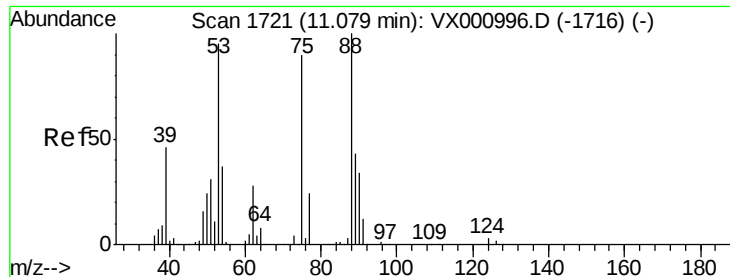
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

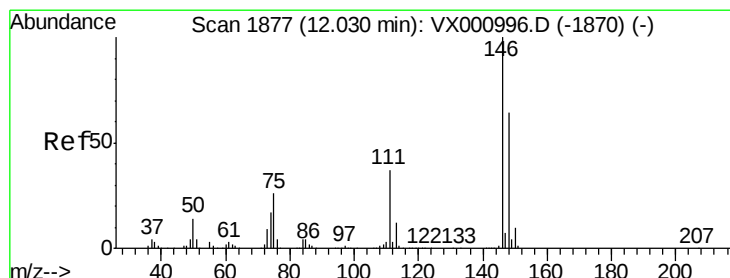
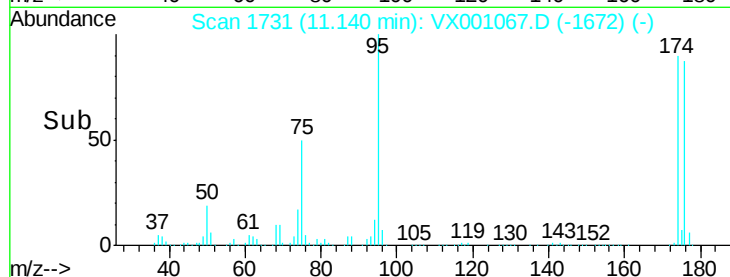
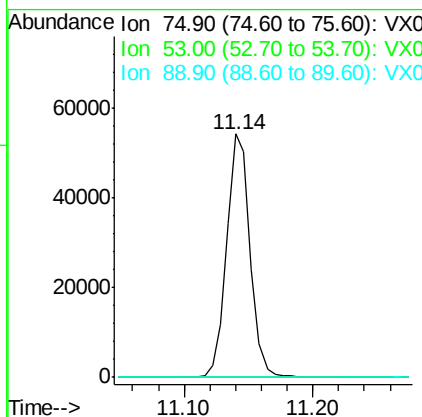
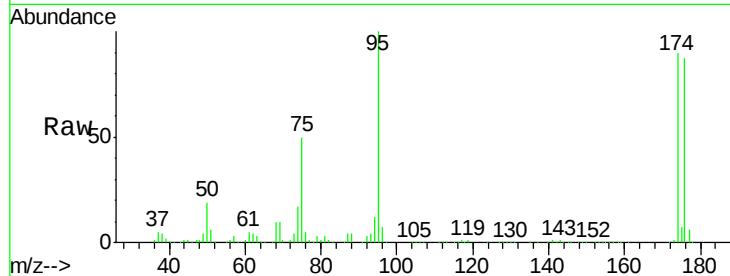




#81
trans-1,4-Dichloro-2-butene
Concen: 84.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

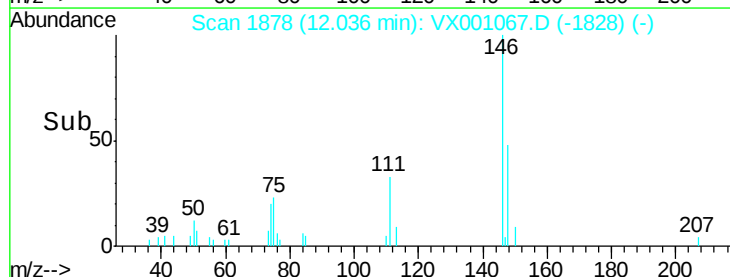
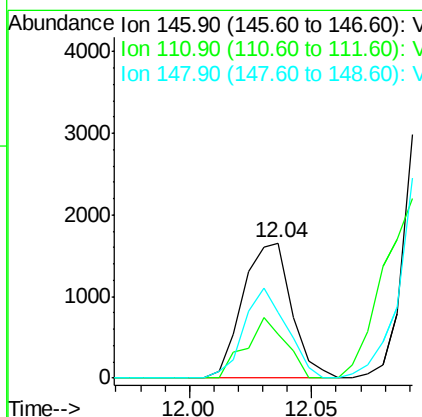
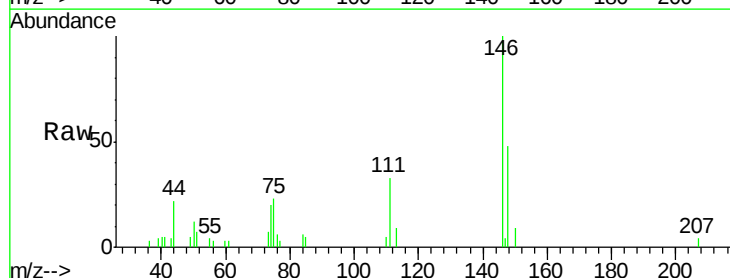
Instrument :
MSVOA_X
ClientSampleId :
SS043MW100-180418

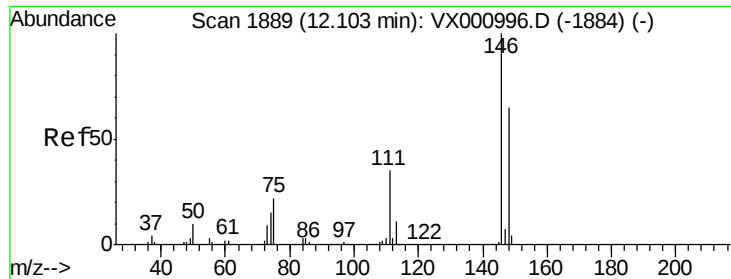
Tgt Ion: 75 Resp: 69121
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 39.7 59.5#



#87
1,3-Dichlorobenzene
Concen: 0.46 ug/l
RT: 12.04 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VX001067.D
Acq: 23 Apr 2018 18:53

Tgt Ion: 146 Resp: 2284
Ion Ratio Lower Upper
146 100
111 36.9 18.3 54.8
148 58.8 32.2 96.6

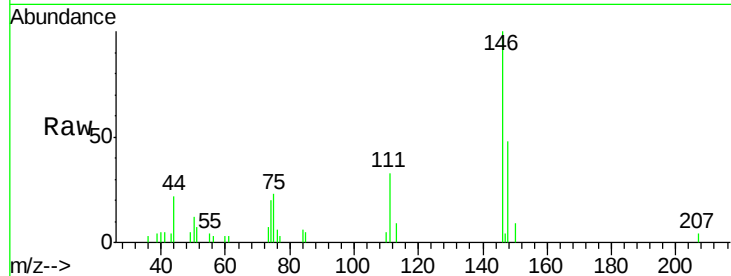




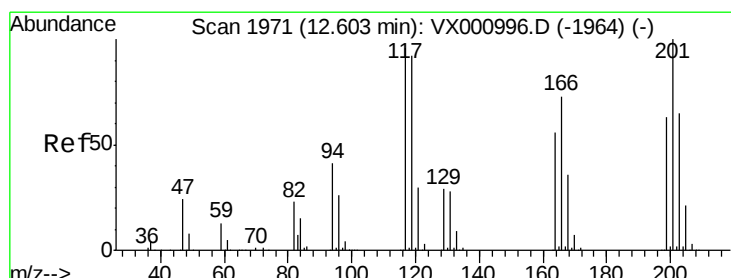
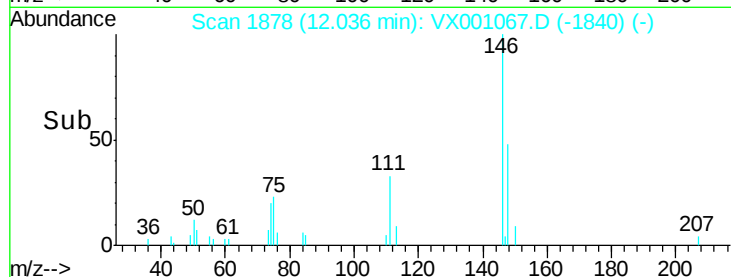
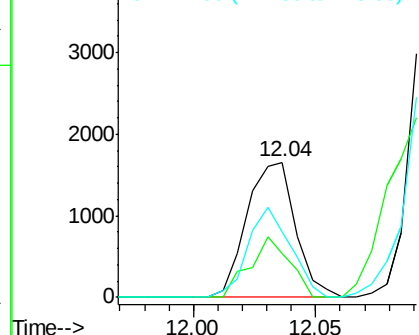
#88
 1,4-Dichlorobenzene
 Concen: 0.44 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.07 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW100-180418

Tgt Ion:146 Resp: 2284
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.0 54.0
 148 58.8 32.4 97.0

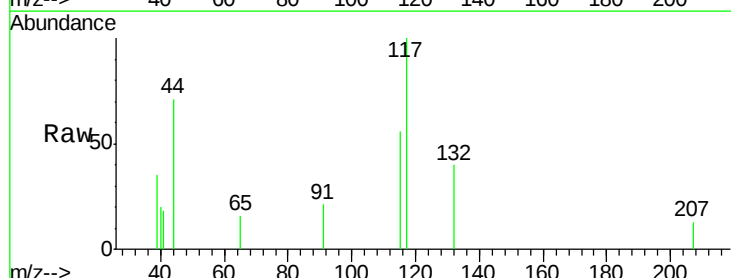


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

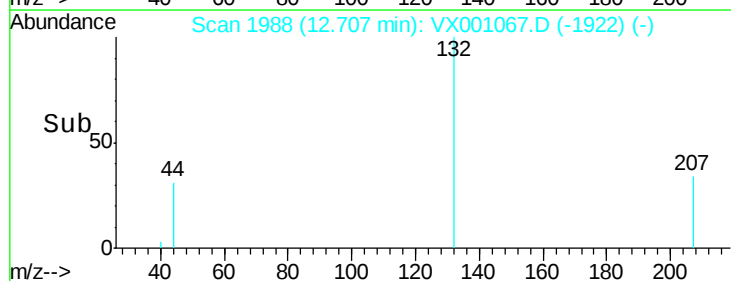
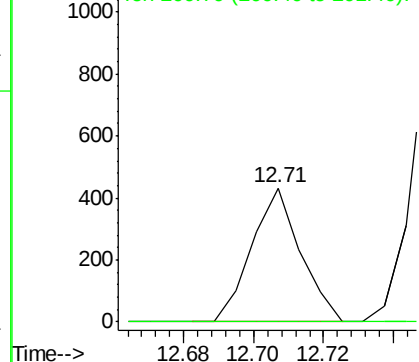


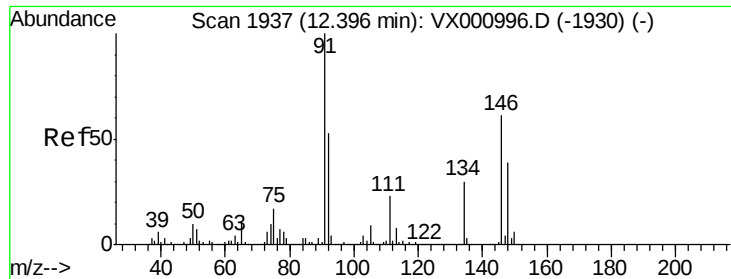
#90
 Hexachloroethane
 Concen: 0.34 ug/l
 RT: 12.71 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Tgt Ion:117 Resp: 422
 Ion Ratio Lower Upper
 117 100
 201 0.0 52.3 157.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V

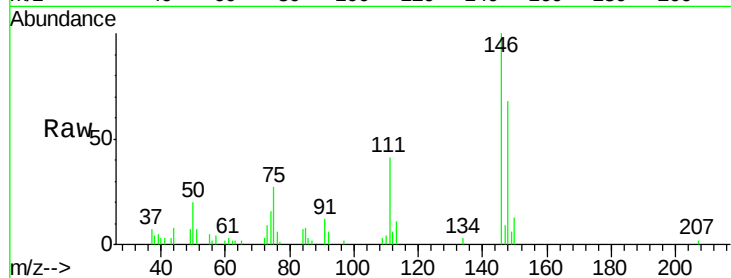




#91
 1,2-Dichlorobenzene
 Concen: 1.00 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001067.D
 Acq: 23 Apr 2018 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW100-180418

Tgt Ion:146 Resp: 4828
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 56.0
 148 62.8 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

