

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001183.D
 Acq On : 27 Apr 2018 20:44
 Operator : JC/MD
 Sample : J2464-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-180418

Quant Time: Apr 28 03:11:55 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	194764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	267060	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	241105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	137232	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	149319	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
35) Dibromofluoromethane	5.52	113	118341	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	8.72	98	449887	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	11.14	95	156052	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

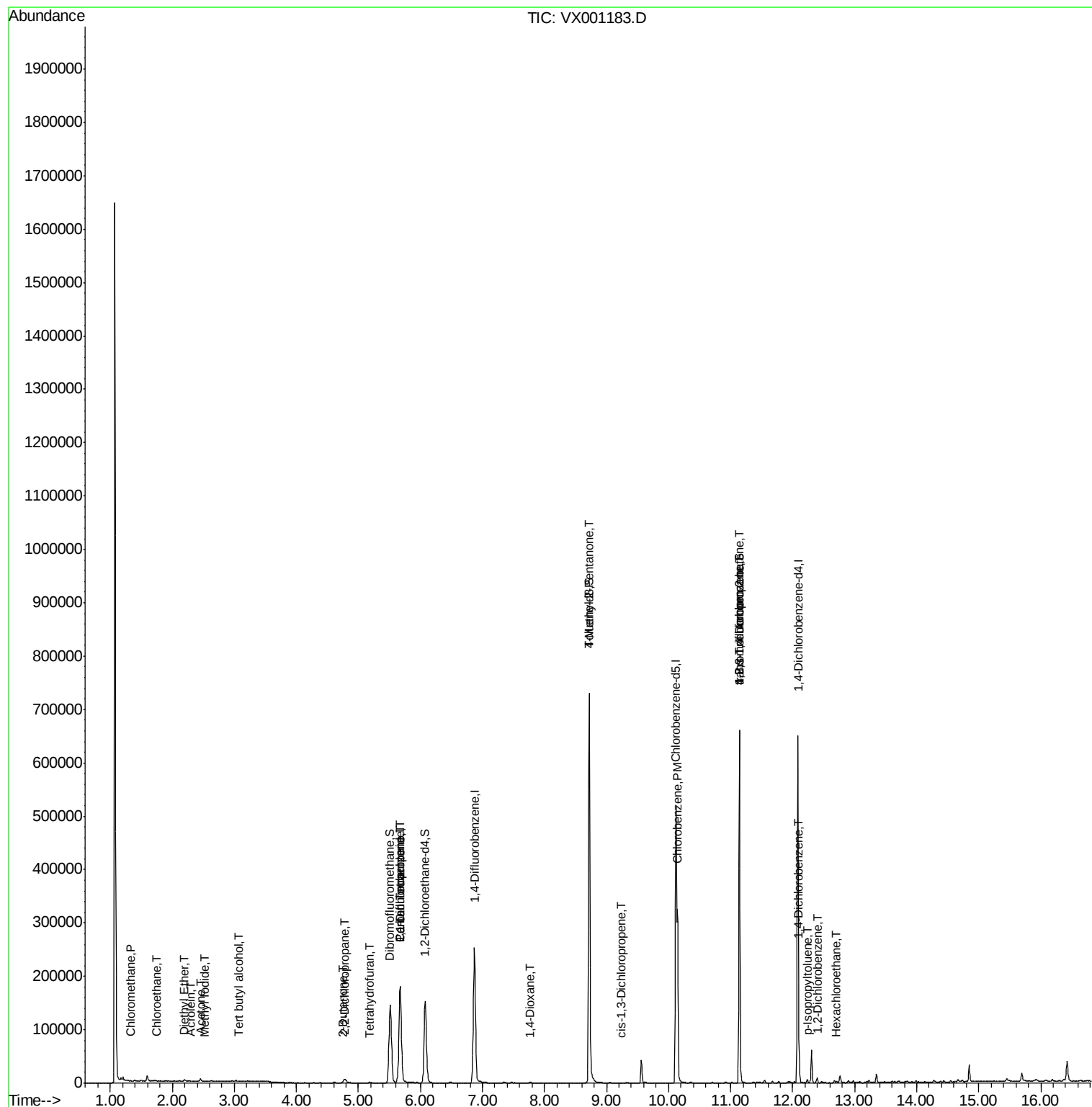
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	772	0.361	ug/l	96
5) Bromomethane	1.65	94	438	Below Cal	#	56
6) Chloroethane	1.73	64	617	0.432	ug/l	96
8) Diethyl Ether	2.20	74	939	0.666	ug/l	88
10) Methyl Iodide	2.51	142	104	7.281	ug/l	# 80
11) Tert butyl alcohol	3.07	59	973	1.634	ug/l	# 71
13) Acrolein	2.29	56	124	0.551	ug/l	# 1
16) Acetone	2.45	43	4501	3.625	ug/l	97
25) 2-Butanone	4.74	43	550	0.296	ug/l	# 50
26) 2,2-Dichloropropane	4.78	77	604	0.203	ug/l	# 53
29) Tetrahydrofuran	5.18	42	677	0.567	ug/l	# 43
36) 1,1-Dichloropropene	5.67	75	11942	4.058	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	16497	5.467	ug/l	# 15
49) 1,4-Dioxane	7.77	88	871	14.787	ug/l	# 81
51) 4-Methyl-2-Pentanone	8.72	43	2192	0.603	ug/l	# 1
54) cis-1,3-Dichloropropene	9.24	75	76	3.207	ug/l	# 32
65) Chlorobenzene	10.15	112	133898	21.197	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	81208	29.061	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	81208	88.025	ug/l	# 6
86) p-Isopropyltoluene	12.24	119	2153	0.262	ug/l	83
88) 1,4-Dichlorobenzene	12.10	146	15826	3.190	ug/l	93
90) Hexachloroethane	12.71	117	1276	4.275	ug/l	# 1
91) 1,2-Dichlorobenzene	12.40	146	2601	0.540	ug/l	98

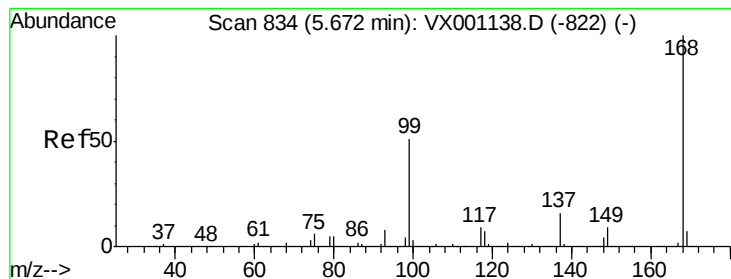
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 28 03:11:55 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: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

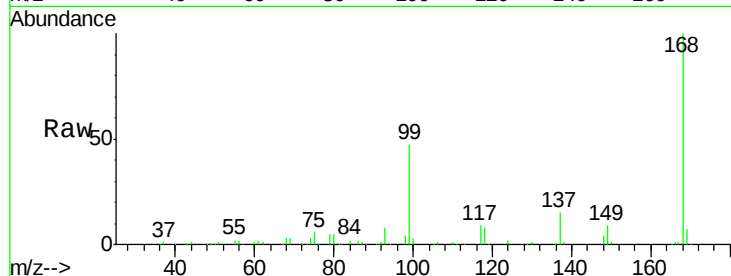
SS043MW010-180418

Tgt Ion:168 Resp: 194764

Ion Ratio Lower Upper

168 100

99 46.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

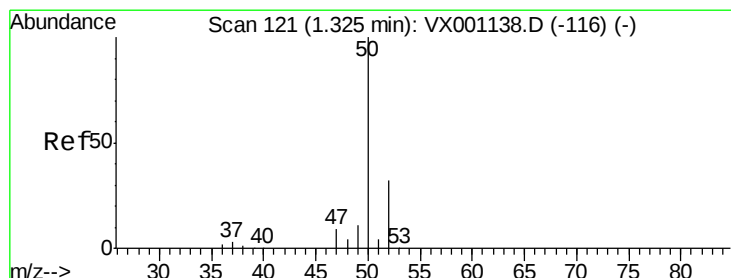
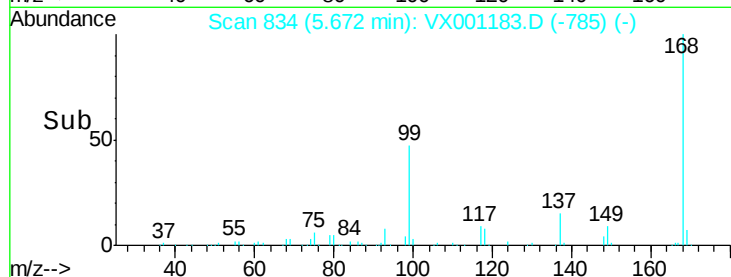
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001183.D

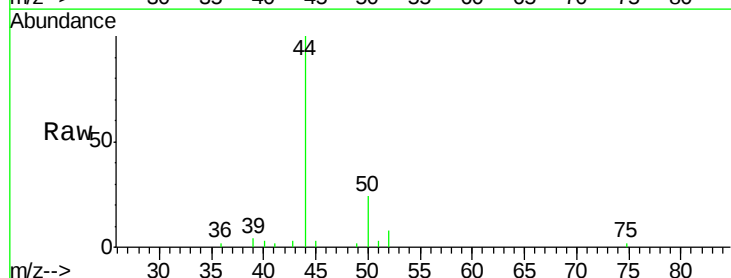
Acq: 27 Apr 2018 20:44

Tgt Ion: 50 Resp: 772

Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

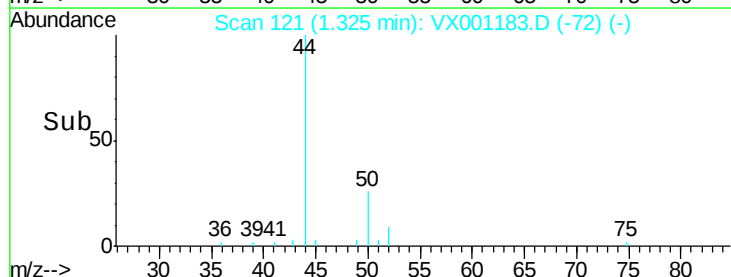
600

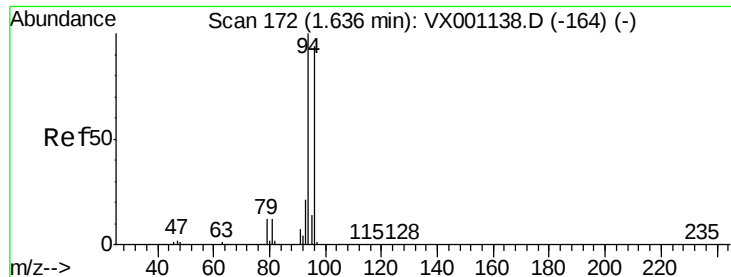
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

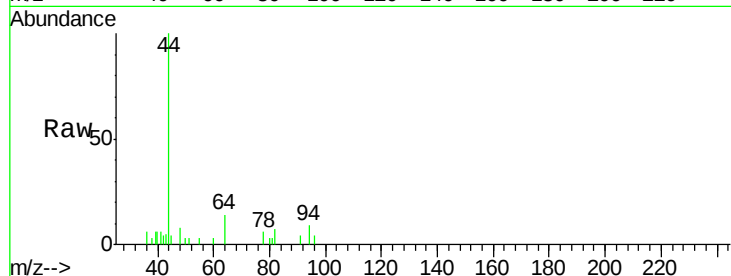
SS043MW010-180418

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

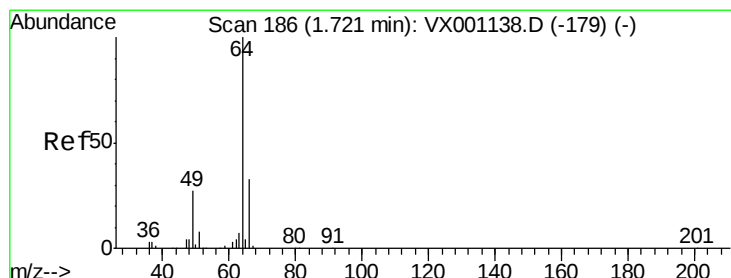
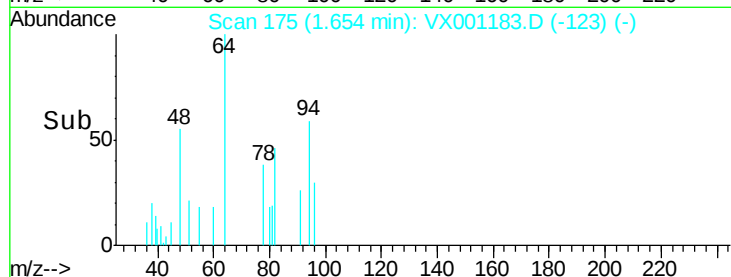
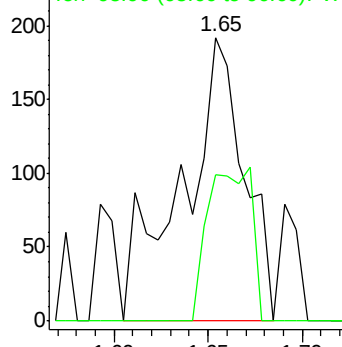
94 100

96 51.6 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.432 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001183.D

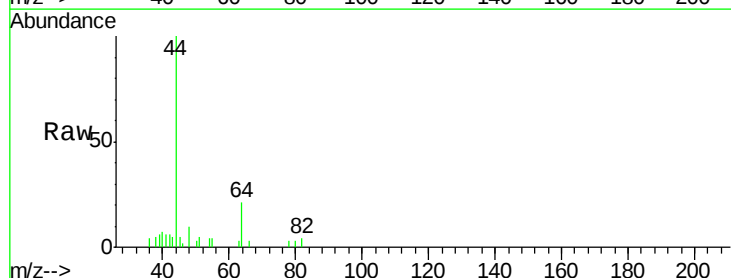
Acq: 27 Apr 2018 20:44

Tgt Ion: 64 Resp: 617

Ion Ratio Lower Upper

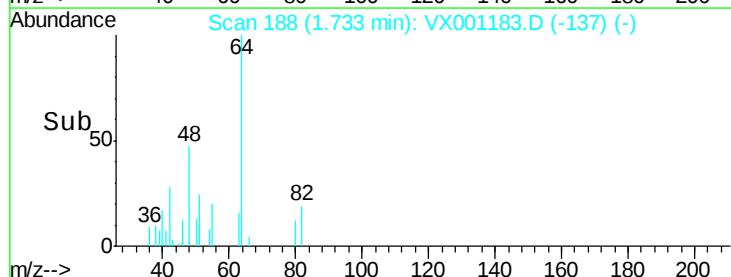
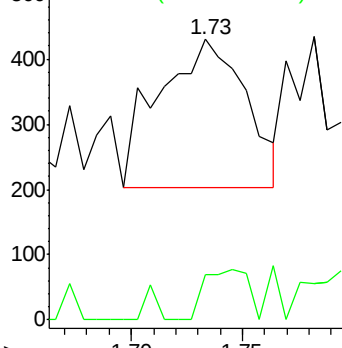
64 100

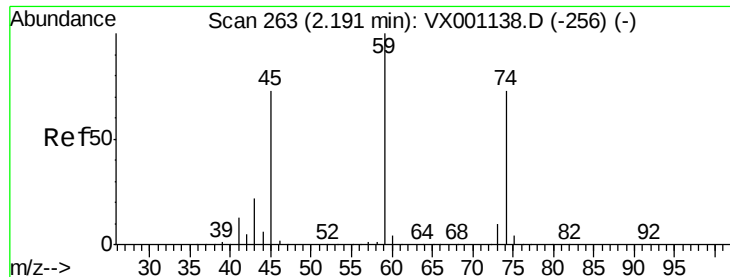
66 30.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.666 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

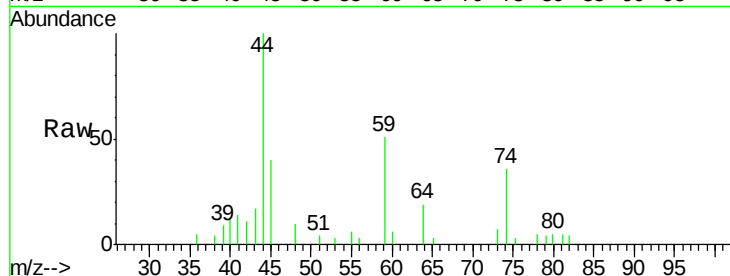
SS043MW010-180418

Tgt Ion: 74 Resp: 939

Ion Ratio Lower Upper

74 100

45 110.9 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

400

200

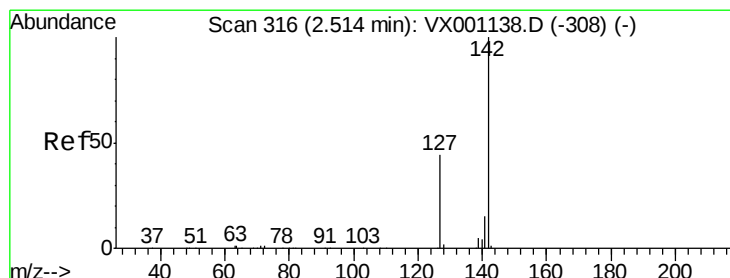
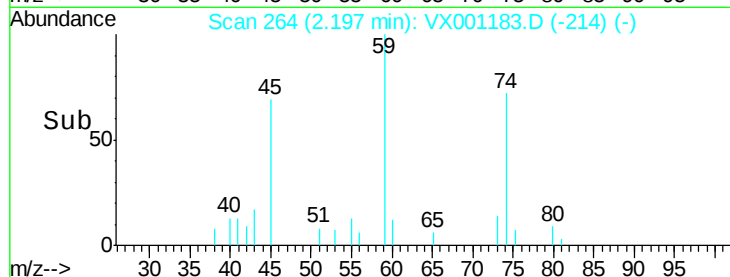
0

Time-->

2.15

2.20

2.25



#10

Methyl Iodide

Concen: 7.281 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

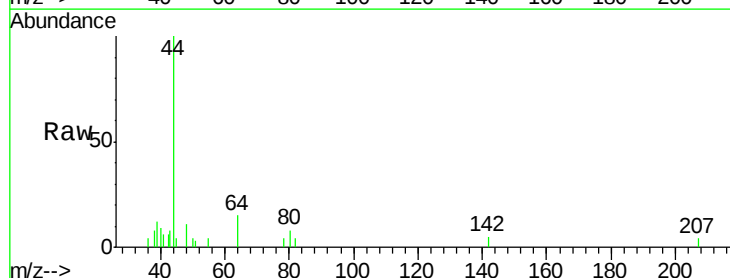
Tgt Ion: 142 Resp: 104

Ion Ratio Lower Upper

142 100

127 52.9 34.7 52.1#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

60

40

20

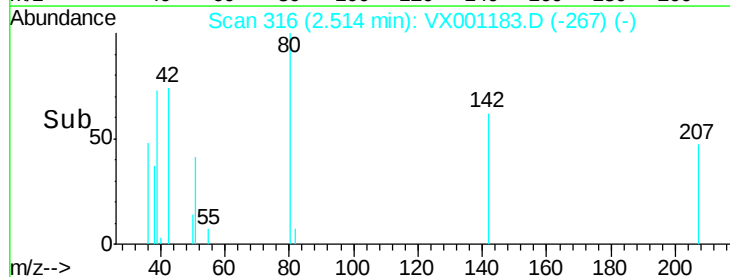
0

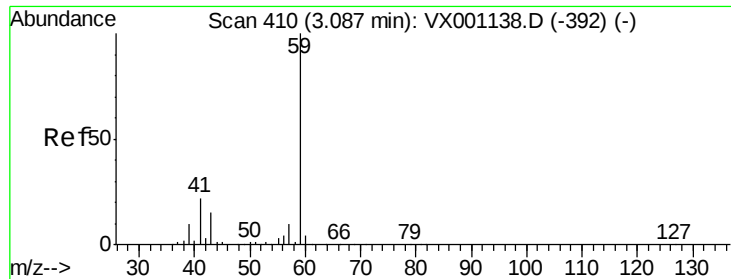
Time-->

2.50

2.52

2.54



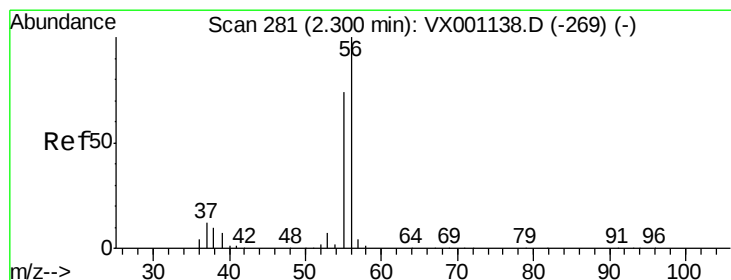
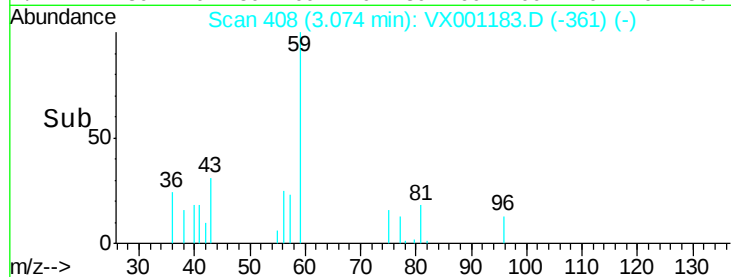
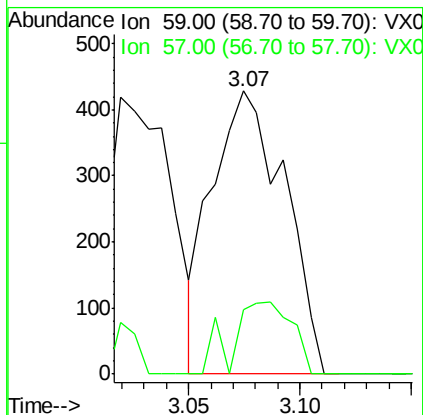
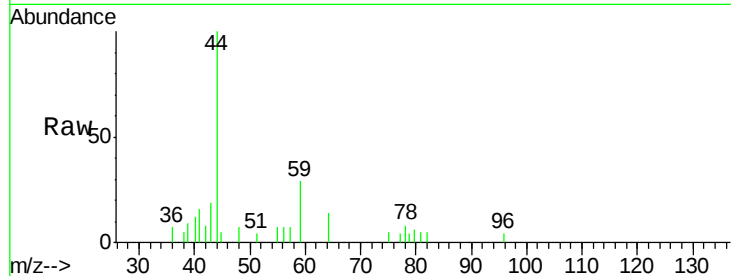


#11

Tert butyl alcohol
Concen: 1.634 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

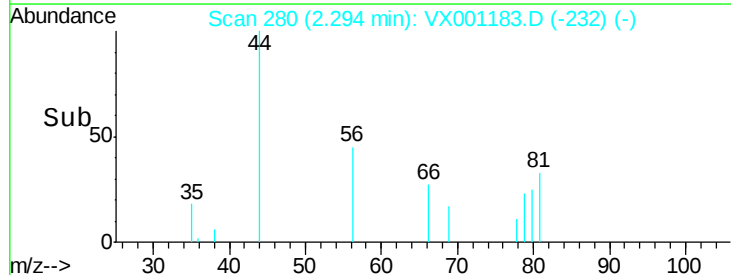
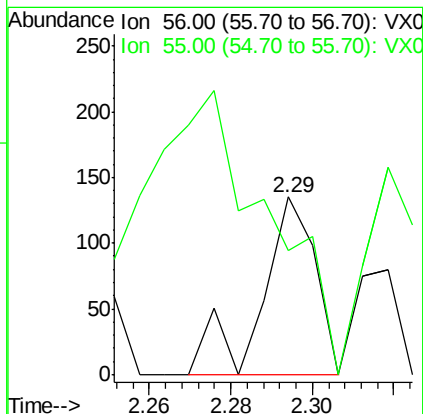
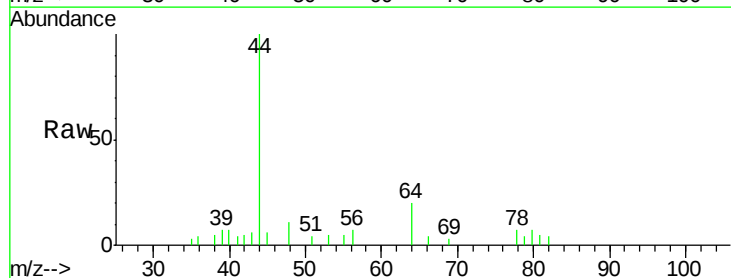
Tgt Ion: 59 Resp: 973
Ion Ratio Lower Upper
59 100
57 21.1 8.2 12.4#

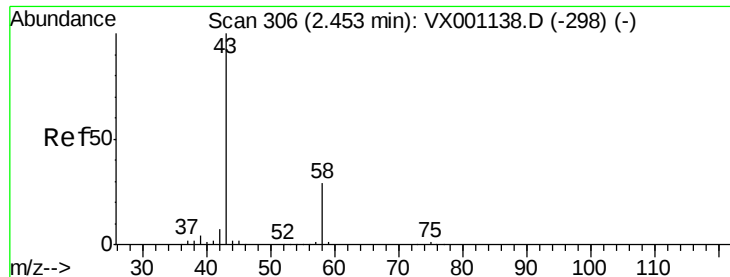


#13

Acrolein
Concen: 0.551 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 371.0 57.2 85.8#





#16

Acetone

Concen: 3.625 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

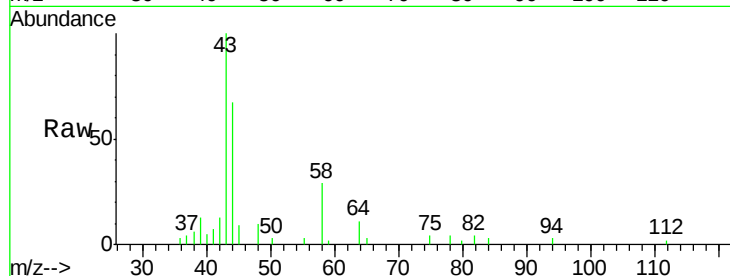
SS043MW010-180418

Tgt Ion: 43 Resp: 4501

Ion Ratio Lower Upper

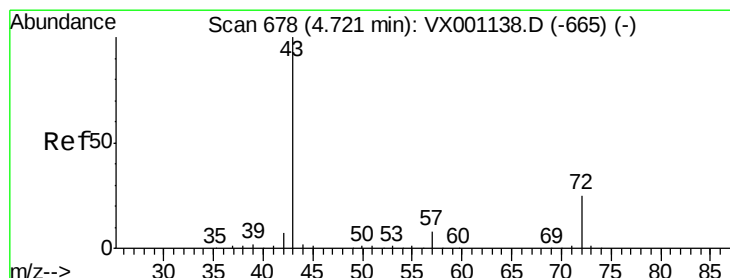
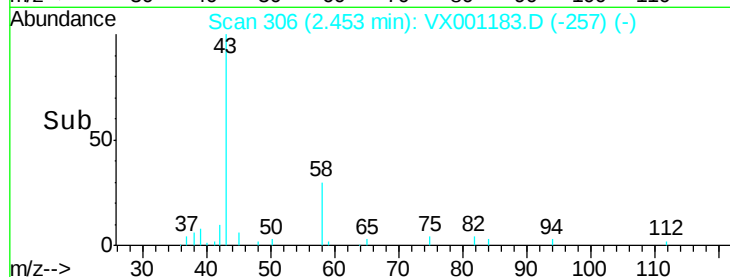
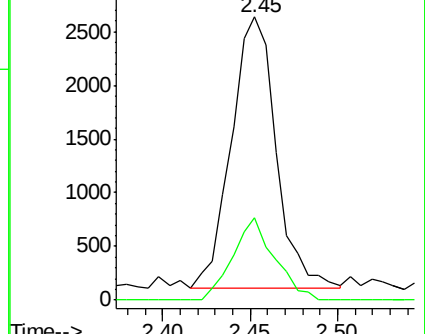
43 100

58 30.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.296 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.02 min

Lab File: VX001183.D

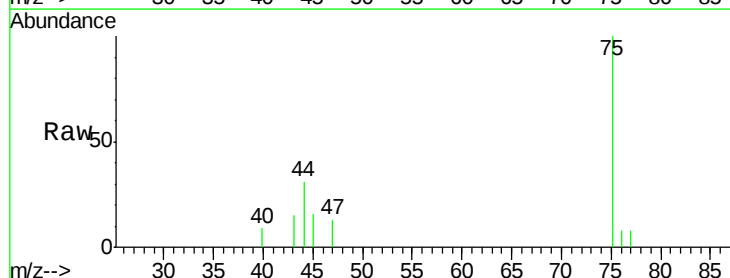
Acq: 27 Apr 2018 20:44

Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

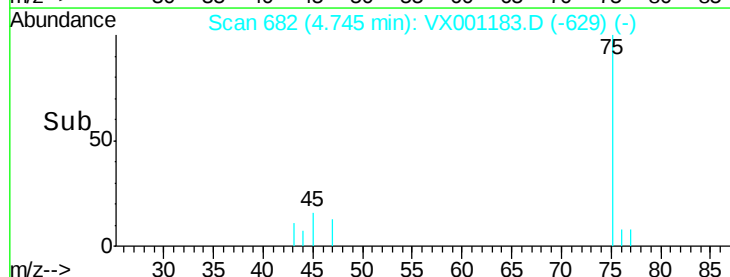
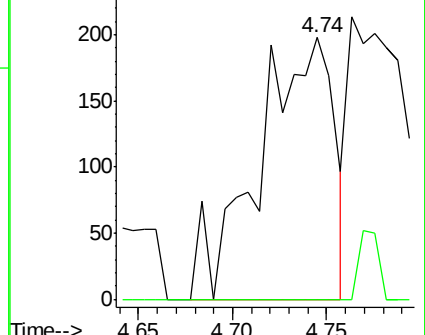
43 100

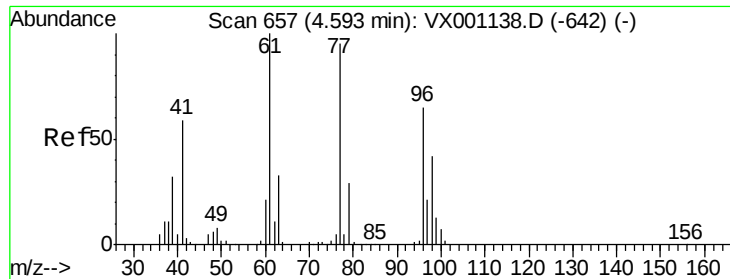
72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.203 ug/l

RT: 4.78 min Scan# 687

Delta R.T. 0.18 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

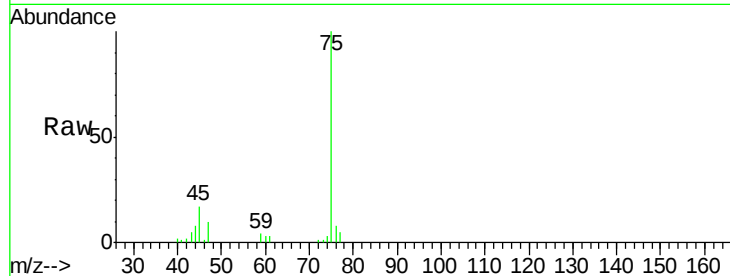
SS043MW010-180418

Tgt Ion: 77 Resp: 604

Ion Ratio Lower Upper

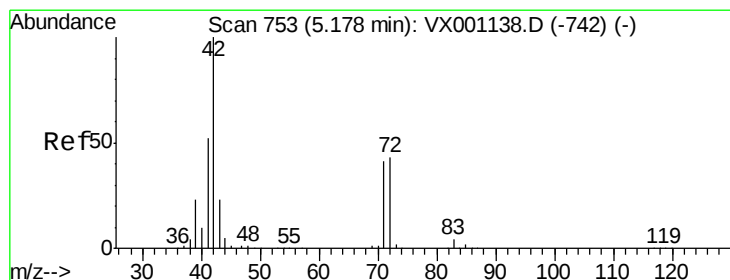
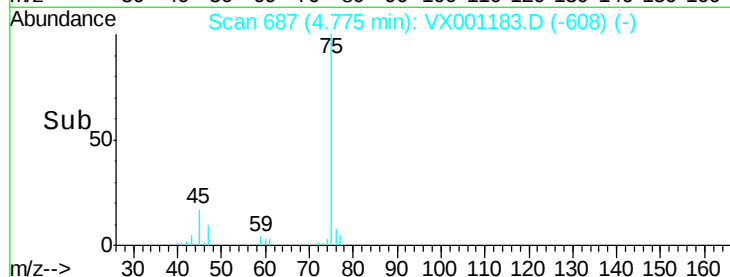
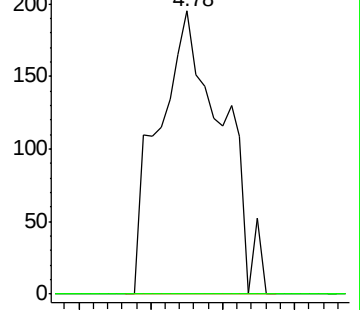
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

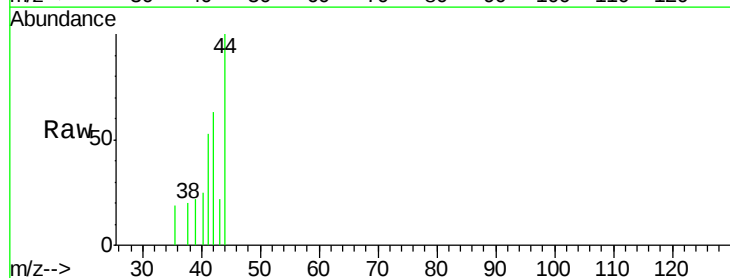
Tgt Ion: 42 Resp: 677

Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

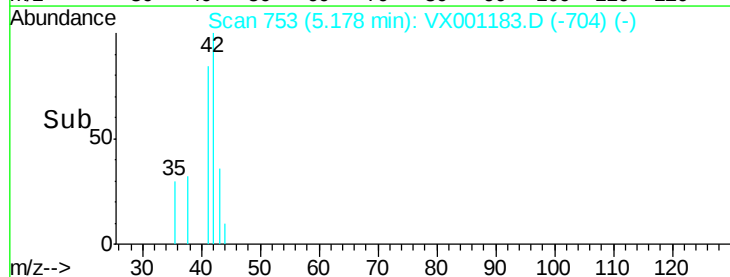
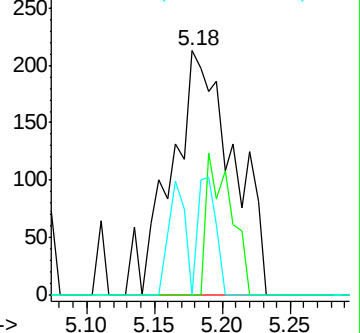
71 12.3 32.1 48.1#

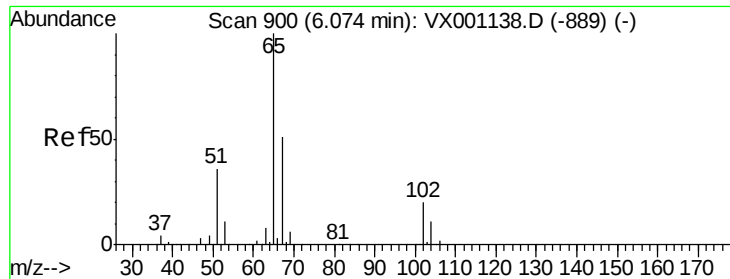


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.459 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

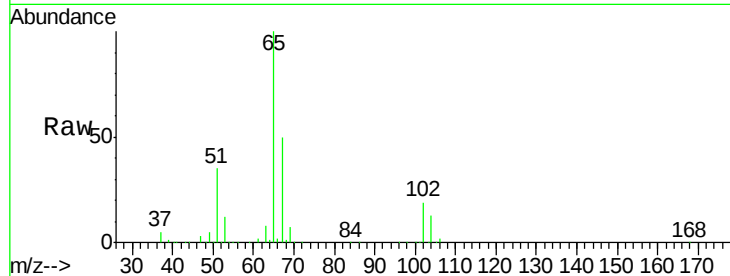
SS043MW010-180418

Tgt Ion: 65 Resp: 149319

Ion Ratio Lower Upper

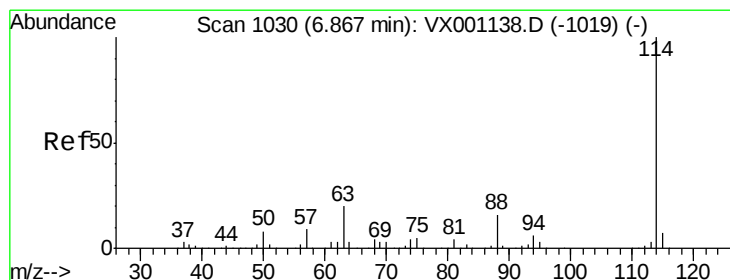
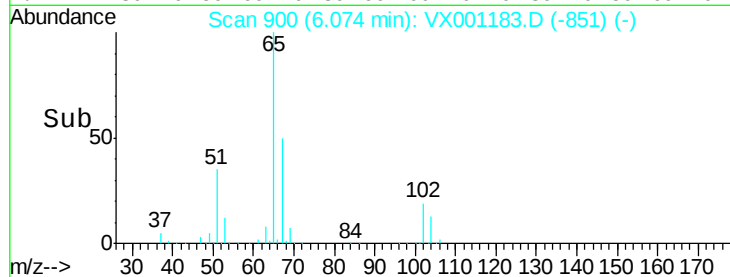
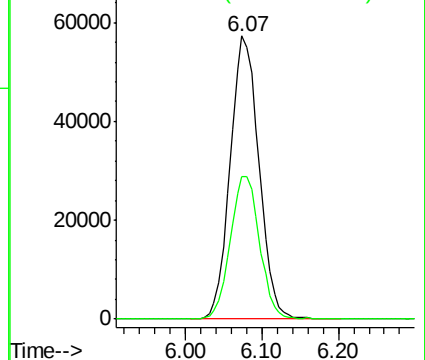
65 100

67 51.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

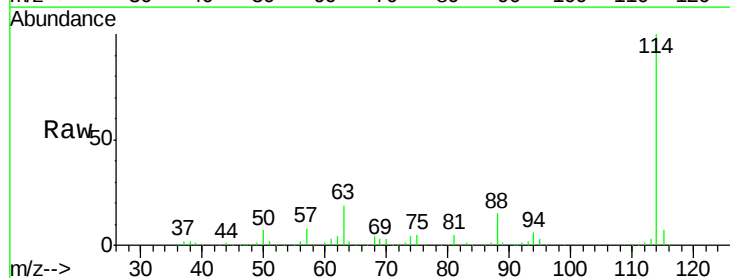
Tgt Ion: 114 Resp: 267060

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

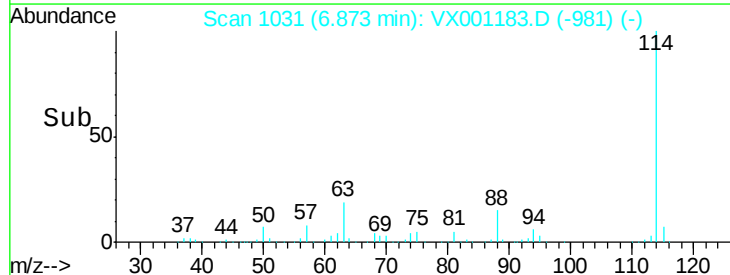
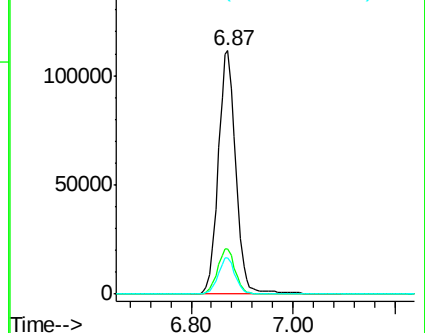
88 14.9 0.0 31.8

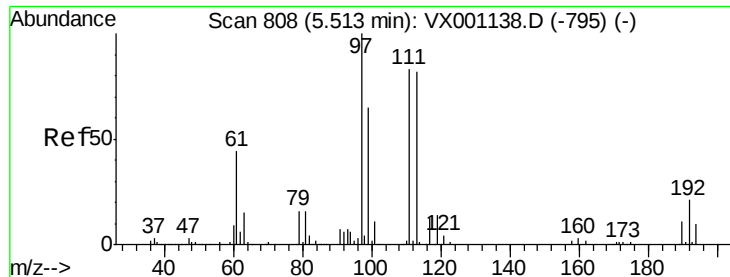


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

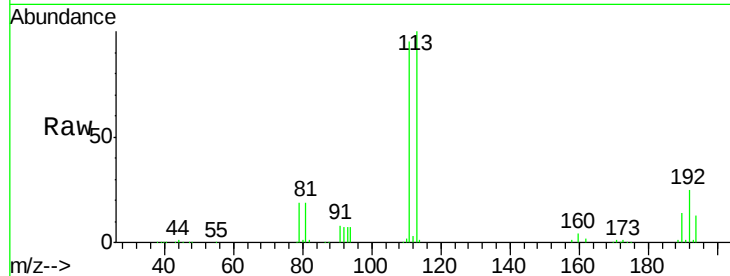




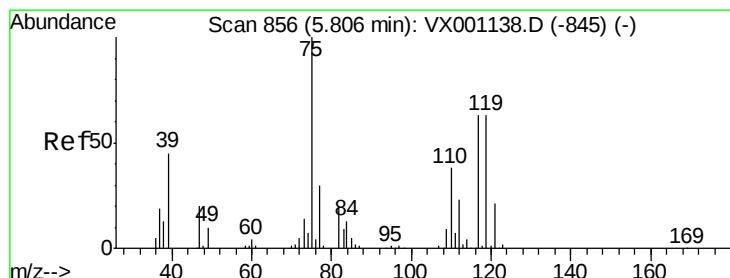
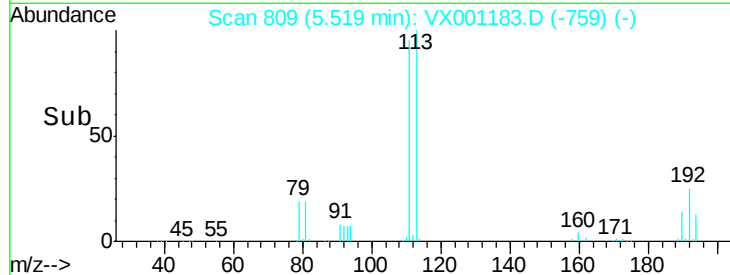
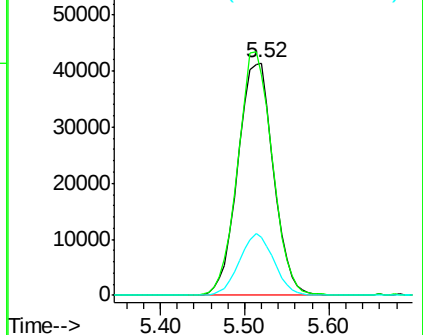
#35
 Dibromofluoromethane
 Concen: 53.537 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX001183.D
 Acq: 27 Apr 2018 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-180418

Tgt Ion:113 Resp: 118341
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 25.6 20.6 30.8

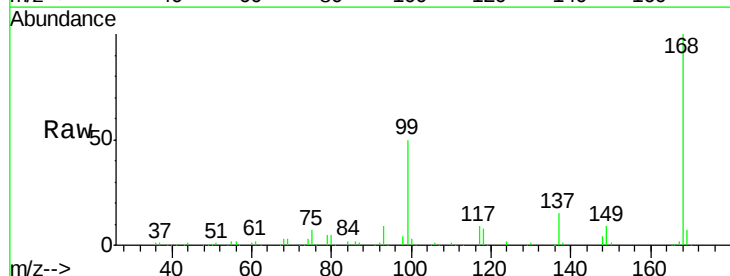


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

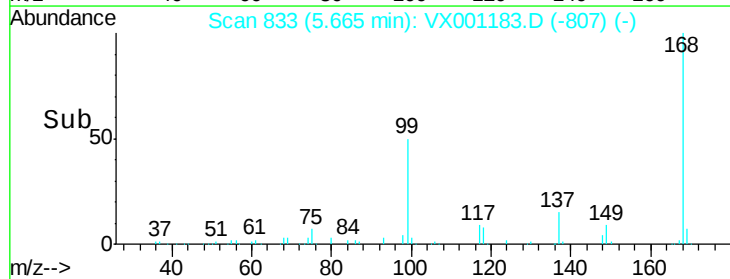
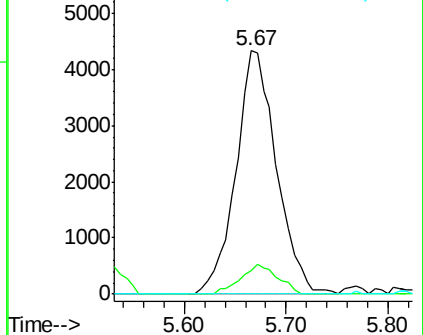


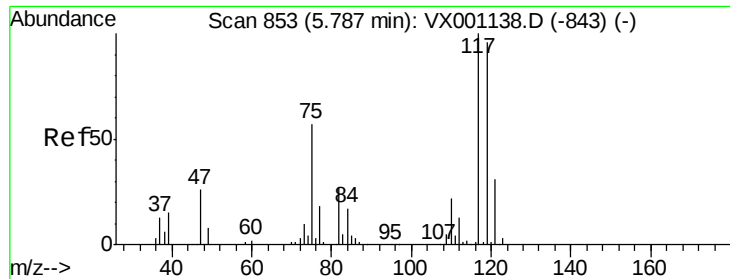
#36
 1,1-Dichloropropene
 Concen: 4.058 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001183.D
 Acq: 27 Apr 2018 20:44

Tgt Ion: 75 Resp: 11942
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.0 57.0#
 77 0.0 24.8 37.2#



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: 5.467 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-180418

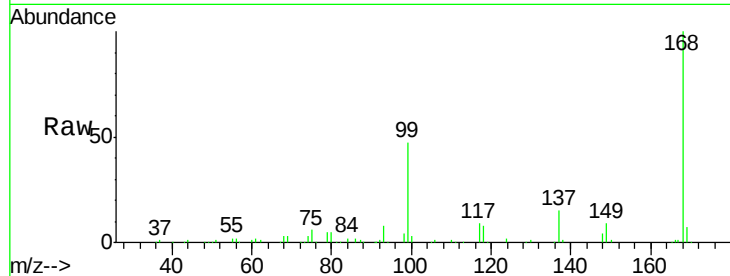
Tgt Ion:117 Resp: 16497

Ion Ratio Lower Upper

117 100

119 4.0 76.5 114.7#

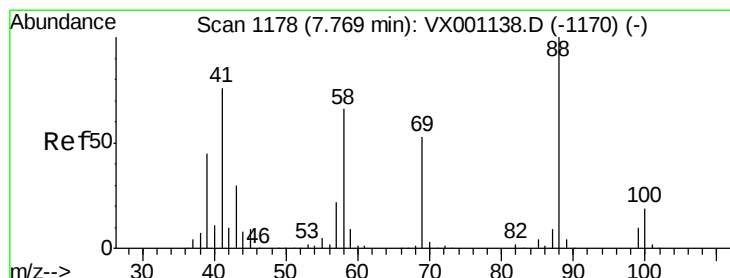
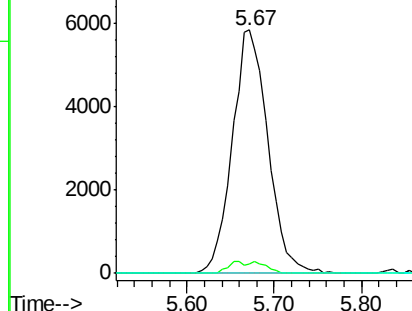
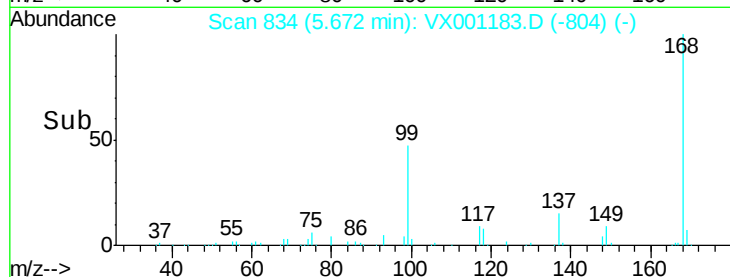
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 14.787 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

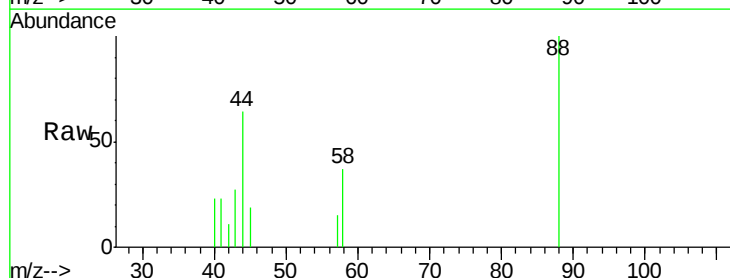
Tgt Ion: 88 Resp: 871

Ion Ratio Lower Upper

88 100

43 53.2 27.3 40.9#

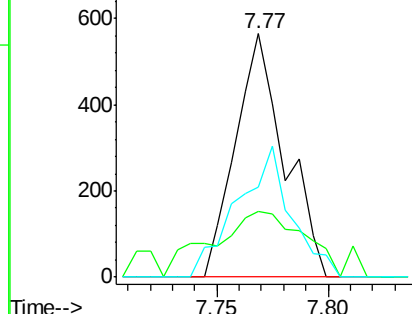
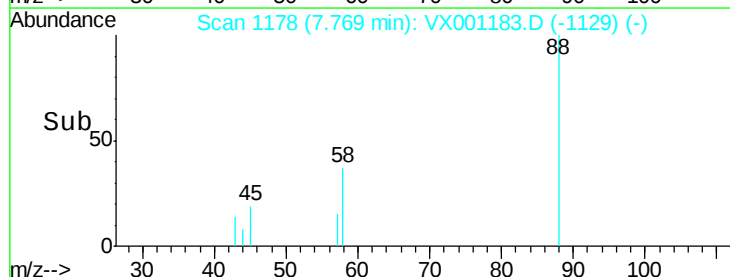
58 58.3 54.2 81.4

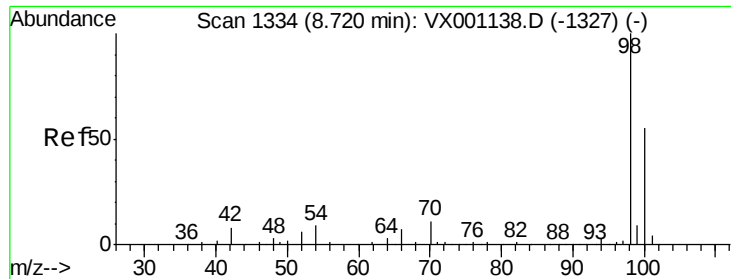


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 53.931 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

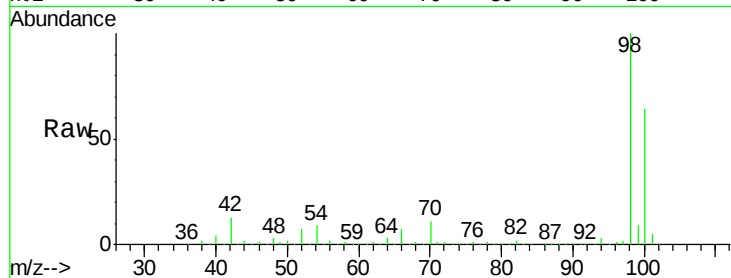
SS043MW010-180418

Tgt Ion: 98 Resp: 449887

Ion Ratio Lower Upper

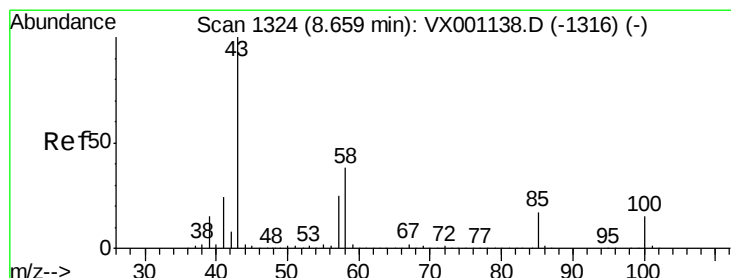
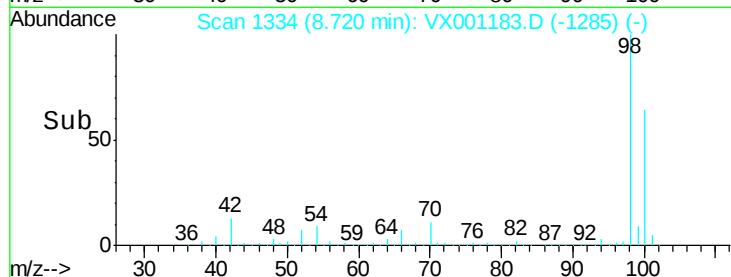
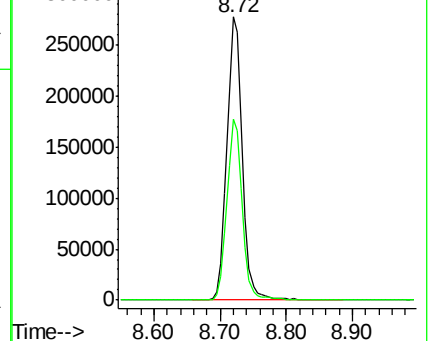
98 100

100 63.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001183.D

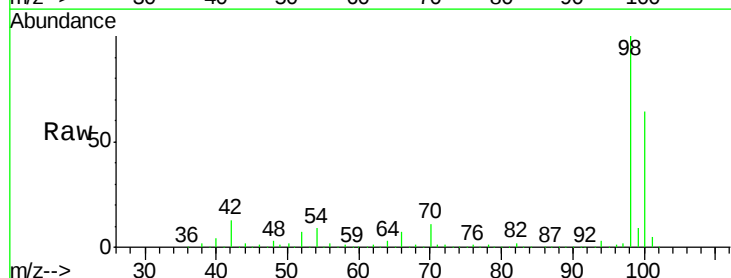
Acq: 27 Apr 2018 20:44

Tgt Ion: 43 Resp: 2192

Ion Ratio Lower Upper

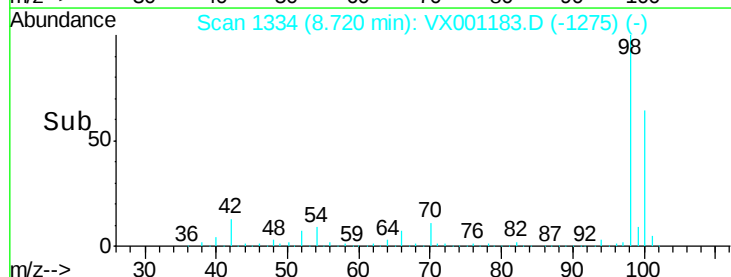
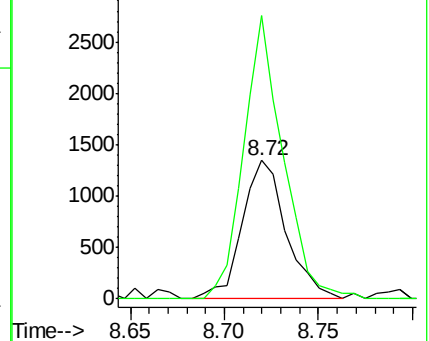
43 100

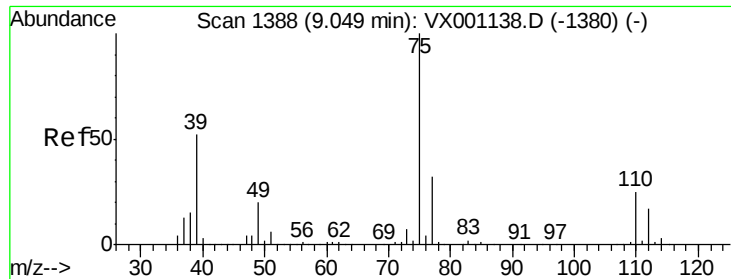
58 182.2 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

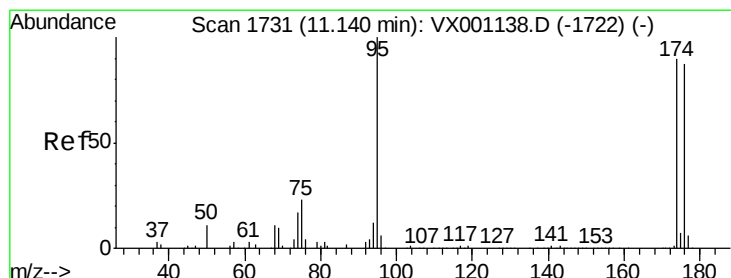
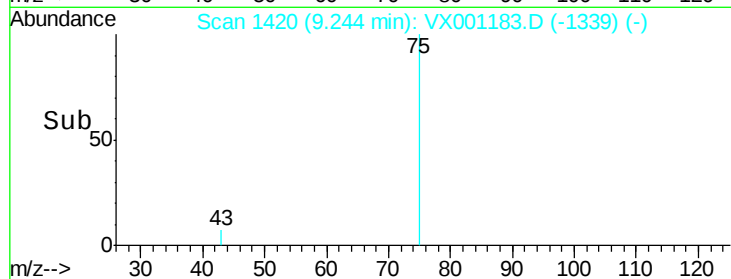
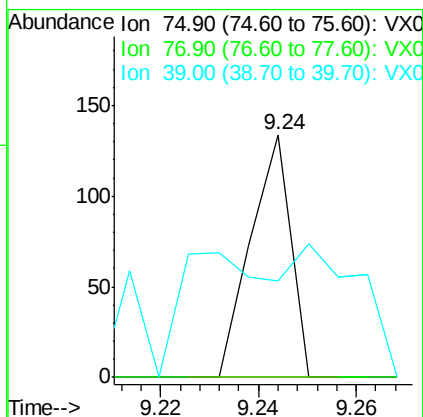
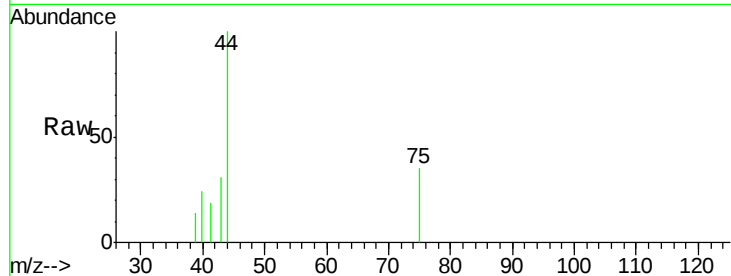




#54
 cis-1,3-Dichloropropene
 Concen: 3.207 ug/l
 RT: 9.24 min Scan# 1420
 Delta R.T. 0.20 min
 Lab File: VX001183.D
 Acq: 27 Apr 2018 20:44

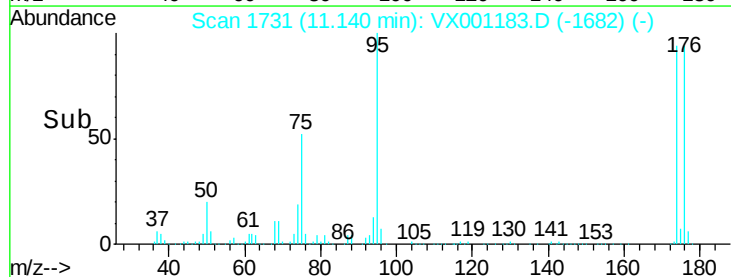
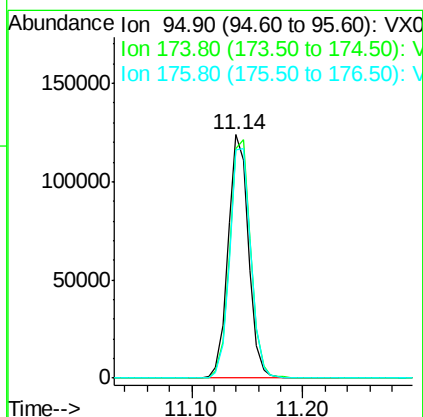
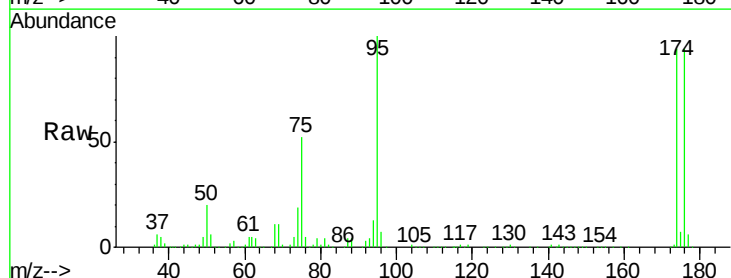
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-180418

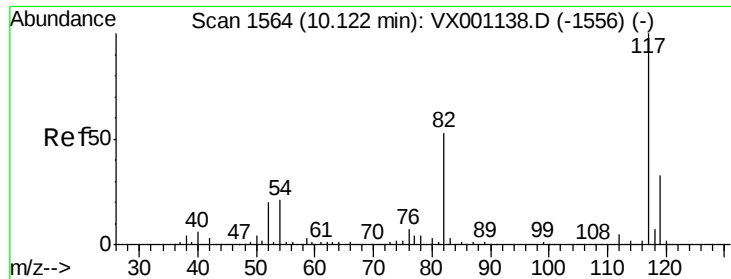
Tgt Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 0.0 42.0 63.0#



#62
 4-Bromofluorobenzene
 Concen: 47.887 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001183.D
 Acq: 27 Apr 2018 20:44

Tgt Ion: 95 Resp: 156052
 Ion Ratio Lower Upper
 95 100
 174 100.8 0.0 194.4
 176 98.1 0.0 190.2

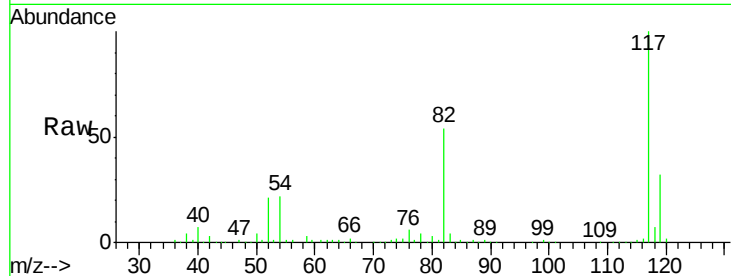




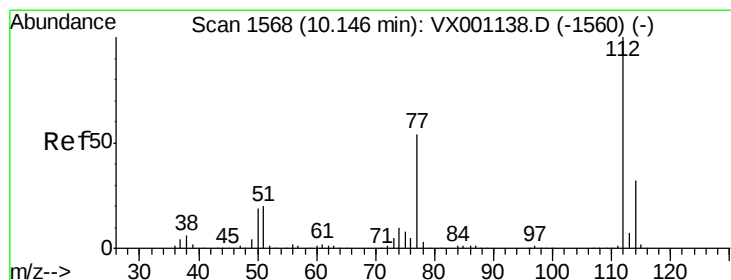
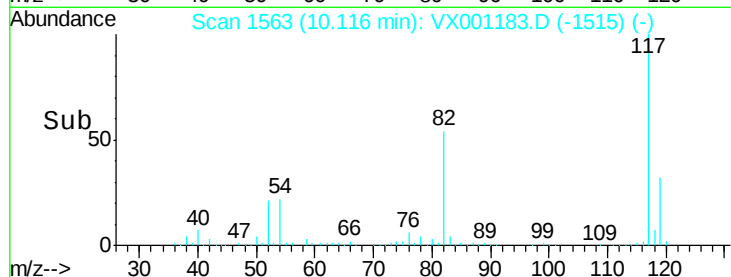
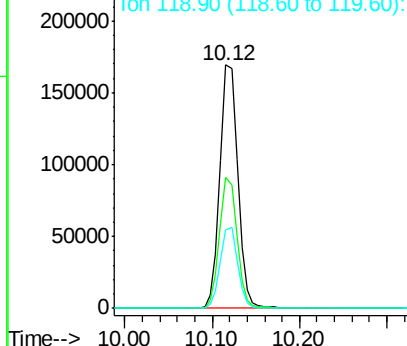
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

Tgt Ion:117 Resp: 241105
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 32.3 26.1 39.1

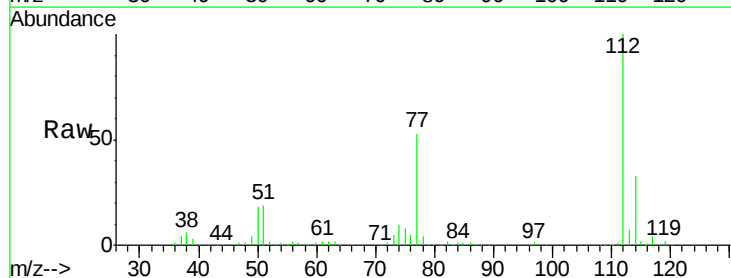


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

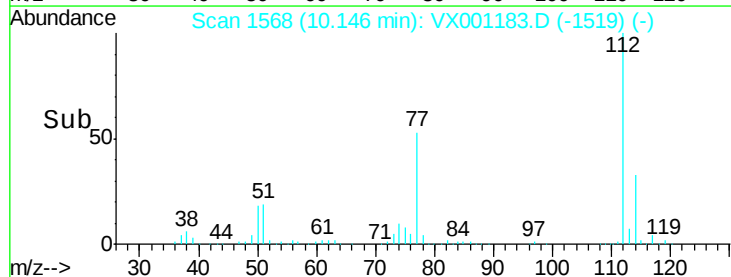
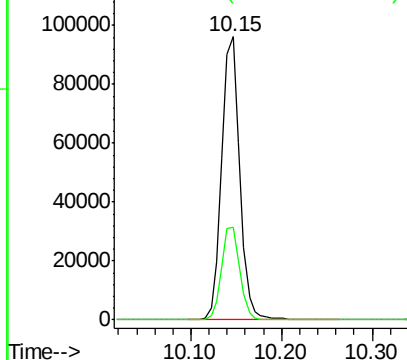


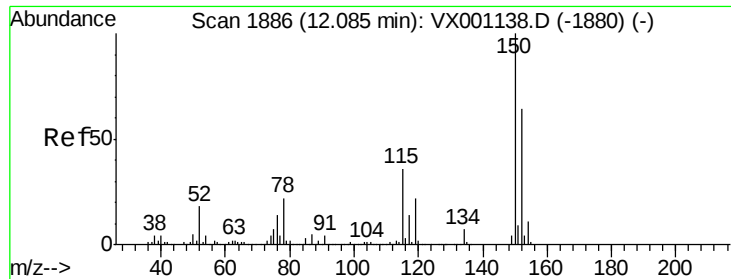
#65
Chlorobenzene
Concen: 21.197 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

Tgt Ion:112 Resp: 133898
Ion Ratio Lower Upper
112 100
114 32.9 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: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-180418

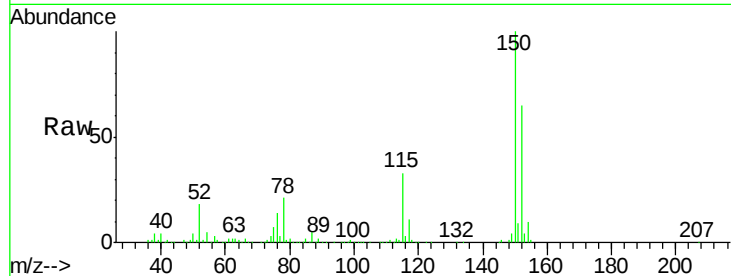
Tgt Ion:152 Resp: 137232

Ion Ratio Lower Upper

152 100

115 53.4 38.0 114.0

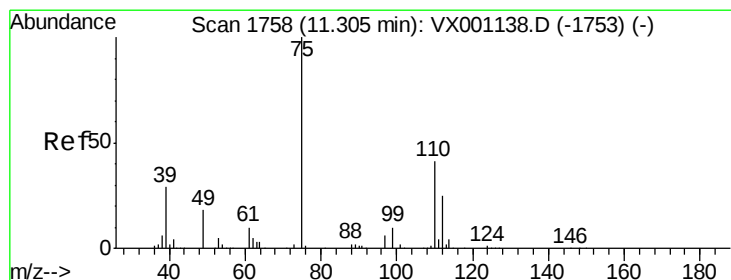
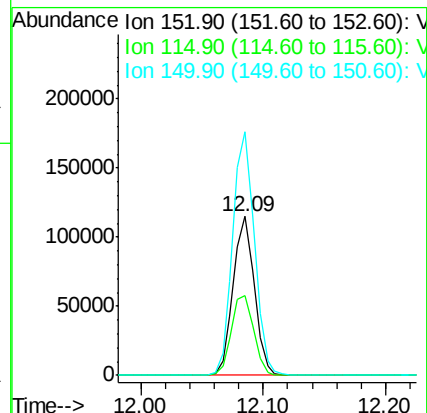
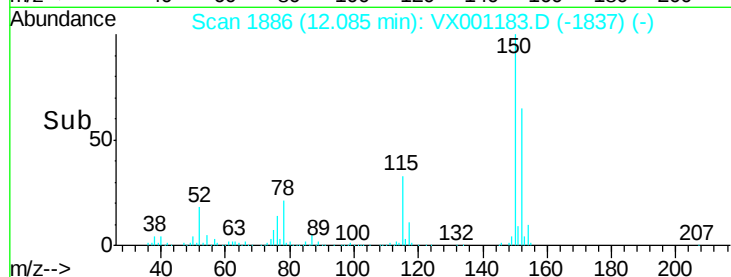
150 157.2 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.061 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001183.D

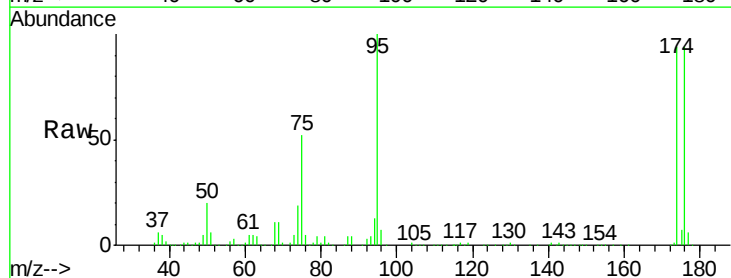
Acq: 27 Apr 2018 20:44

Tgt Ion: 75 Resp: 81208

Ion Ratio Lower Upper

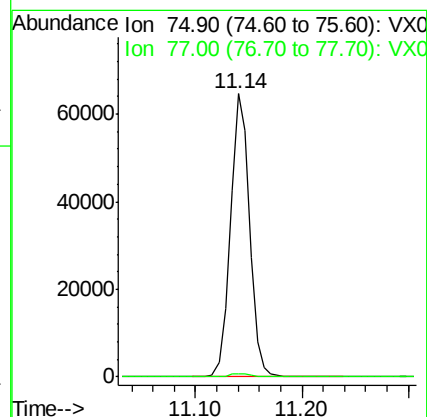
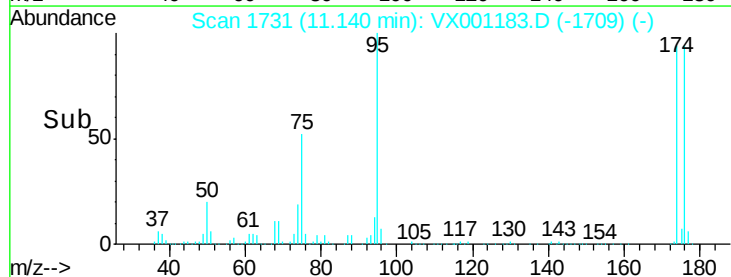
75 100

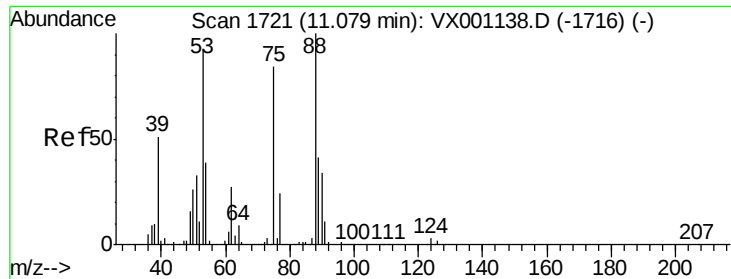
77 1.1 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

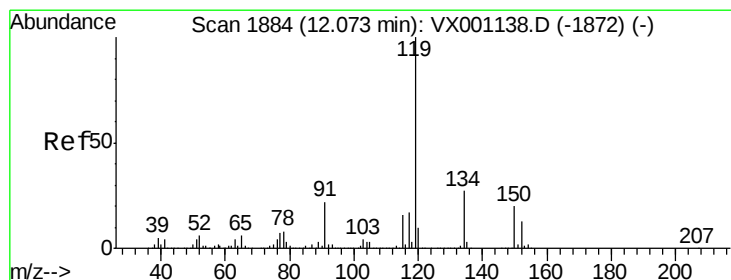
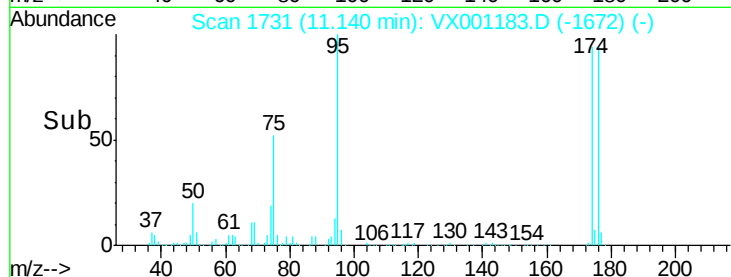
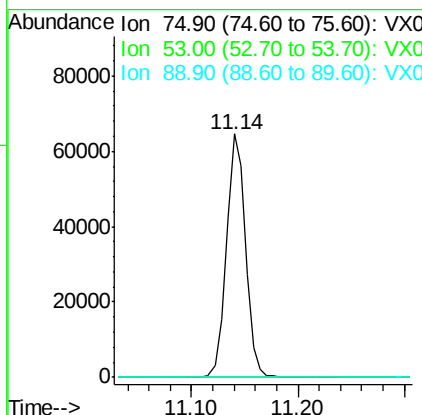
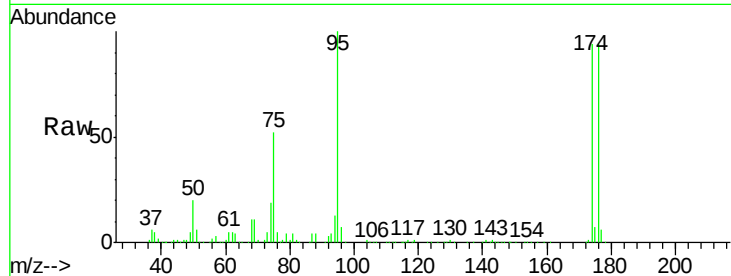




#81
trans-1,4-Dichloro-2-butene
Concen: 88.025 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

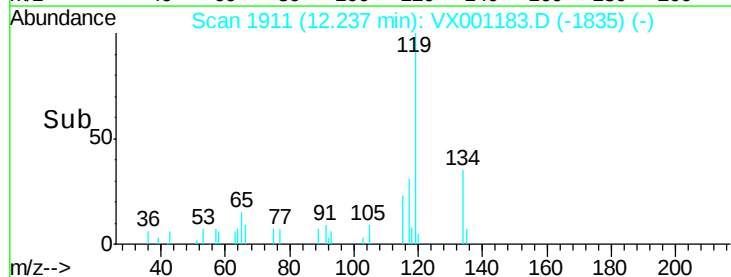
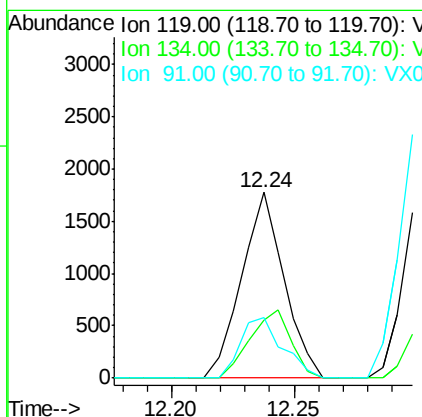
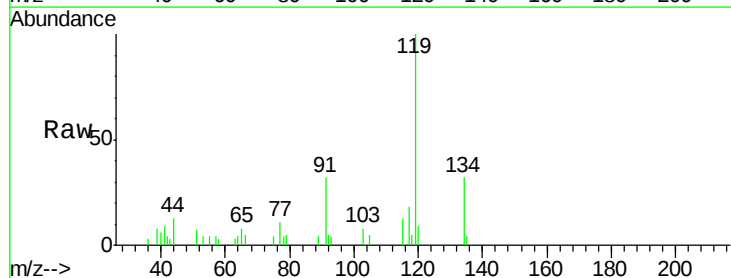
Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

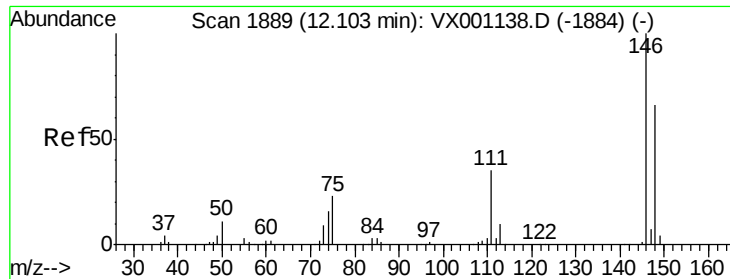
Tgt Ion: 75 Resp: 81208
Ion Ratio Lower Upper
75 100
53 0.0 87.9 131.9#
89 0.0 37.7 56.5#



#86
p-Isopropyltoluene
Concen: 0.262 ug/l
RT: 12.24 min Scan# 1911
Delta R.T. 0.16 min
Lab File: VX001183.D
Acq: 27 Apr 2018 20:44

Tgt Ion: 119 Resp: 2153
Ion Ratio Lower Upper
119 100
134 35.3 13.4 40.1
91 32.1 11.6 34.8





#88

1,4-Dichlorobenzene

Concen: 3.190 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001183.D

Acq: 27 Apr 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-180418

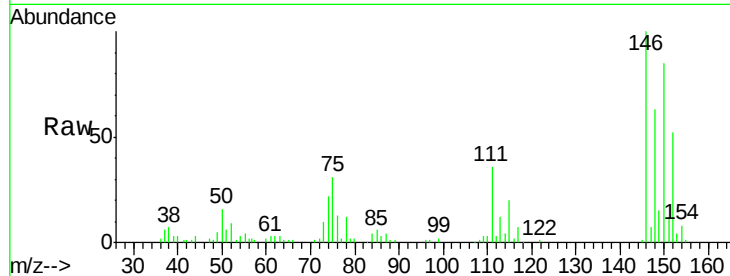
Tgt Ion:146 Resp: 15826

Ion Ratio Lower Upper

146 100

111 46.6 18.0 54.0

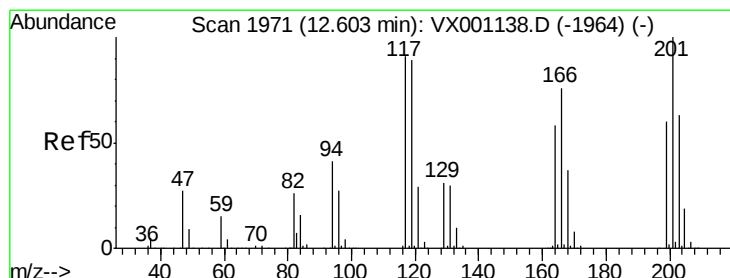
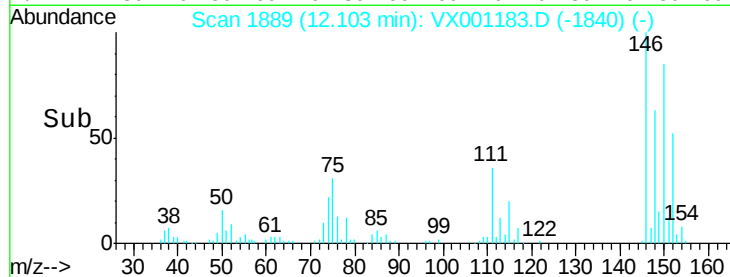
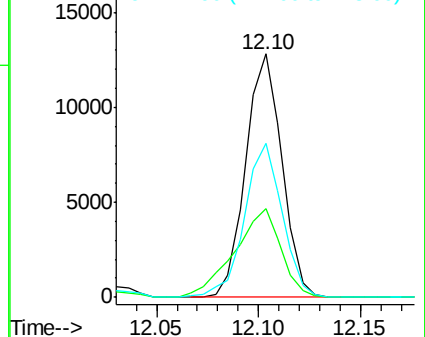
148 66.0 32.5 97.5



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



#90

Hexachloroethane

Concen: 4.275 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VX001183.D

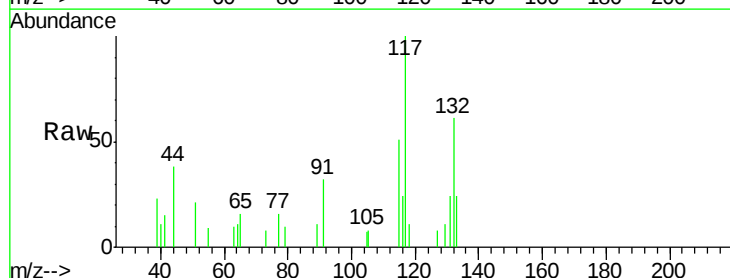
Acq: 27 Apr 2018 20:44

Tgt Ion:117 Resp: 1276

Ion Ratio Lower Upper

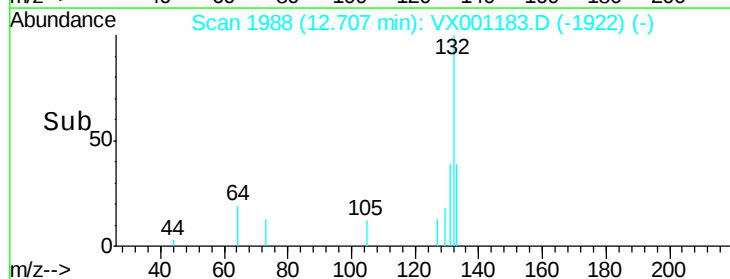
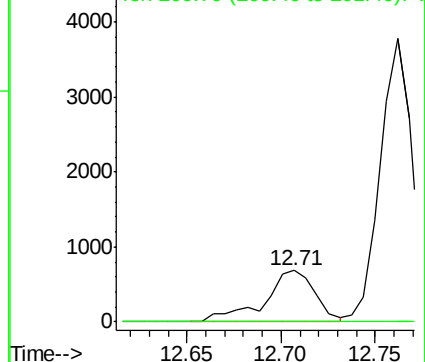
117 100

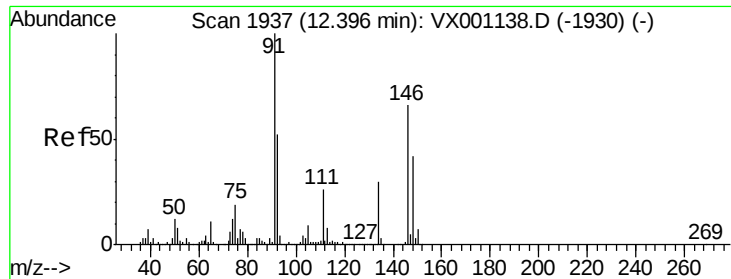
201 0.0 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91
 1,2-Dichlorobenzene
 Concen: 0.540 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001183.D
 Acq: 27 Apr 2018 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-180418

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.3
148	65.4	32.2	96.6

