

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027263.D
 Acq On : 17 Sep 2015 18:54
 Operator : MD\FY
 Sample : G3704-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15

Quant Time: Sep 18 01:16:51 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	761389	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1358931	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1132701	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	391956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	759489	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
36) Dibromofluoromethane	7.68	113	489166	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
51) Toluene-d8	10.19	98	1970630	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
63) 4-Bromofluorobenzene	12.52	95	648551	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

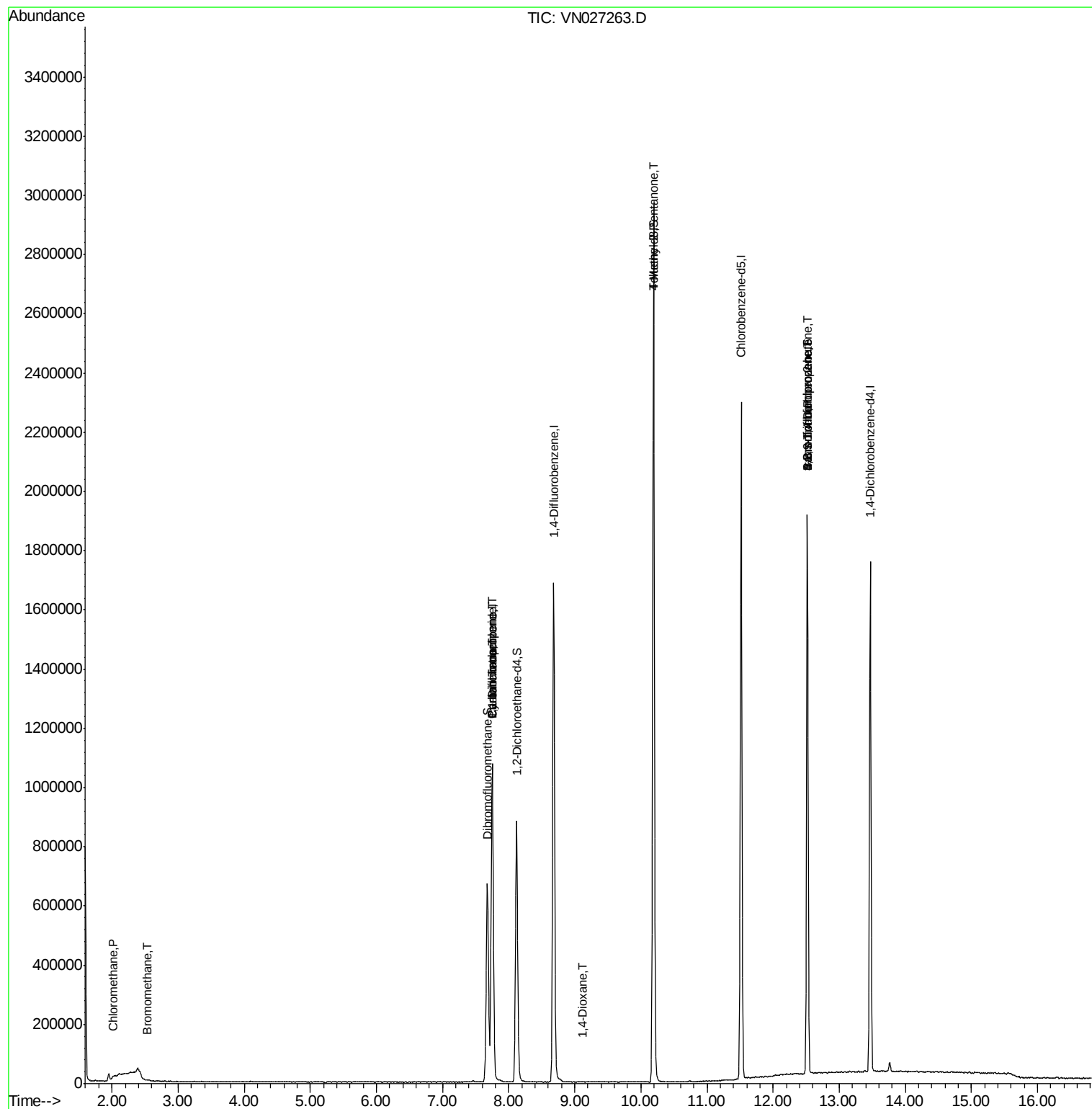
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1823	1.28	ug/l	96
6) Bromomethane	2.54	94	133	1.62	ug/l	# 76
32) Cyclohexane	7.75	56	24484	0.22	ug/l	# 1
37) 1,1-Dichloropropene	7.75	75	78719	4.95	ug/l	# 50
38) Ethyl Acetate	7.03	43	165	Below	Cal	# 71
39) Carbon Tetrachloride	7.75	117	86363	5.77	ug/l	# 16
50) 1,4-Dioxane	9.12	88	31	0.21	ug/l	# 1
52) 4-Methyl-2-Pentanone	10.19	43	11424	0.85	ug/l	# 1
72) Bromoform	12.52	173	1381	0.22	ug/l	# 1
76) 1,1,2,2-Tetrachloroethane	12.58	83	34	Below	Cal	# 70
77) 1,2,3-Trichloropropane	12.52	75	369501	31.19	ug/l	# 1
82) trans-1,4-Dichloro-2-buten	12.52	75	369501	76.62	ug/l	# 4
93) 1,2-Dibromo-3-Chloropropan	14.44	75	33	Below	Cal	# 9

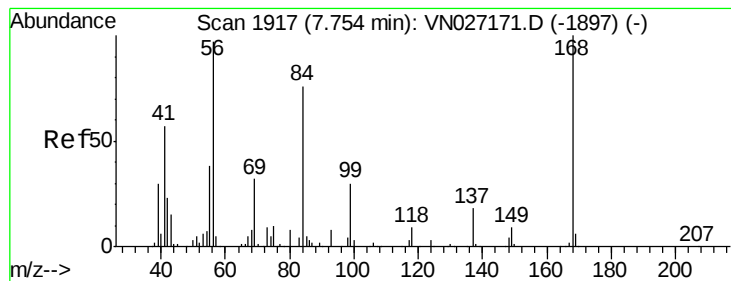
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

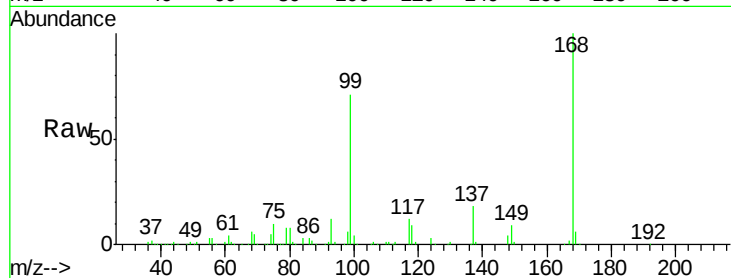
MW-12-9-15-15

Tgt Ion:168 Resp: 761389

Ion Ratio Lower Upper

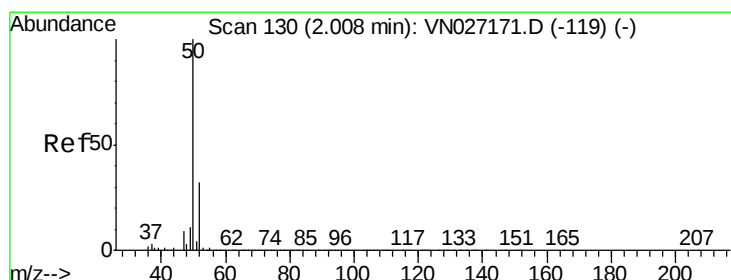
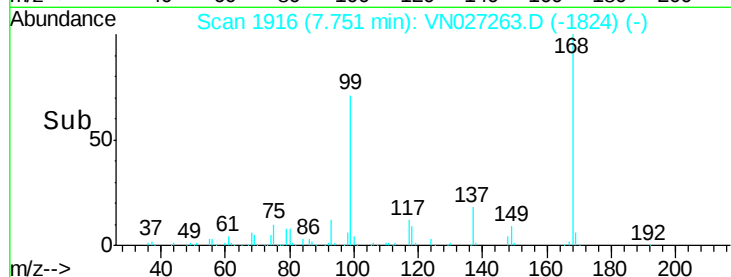
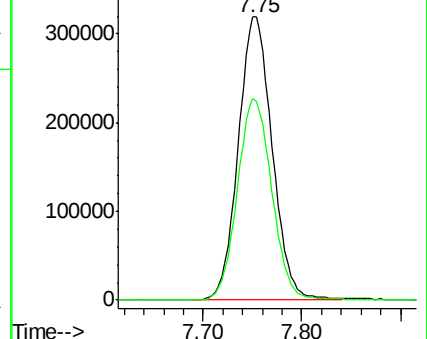
168 100

99 71.2 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Chloromethane

Concen: 1.28 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027263.D

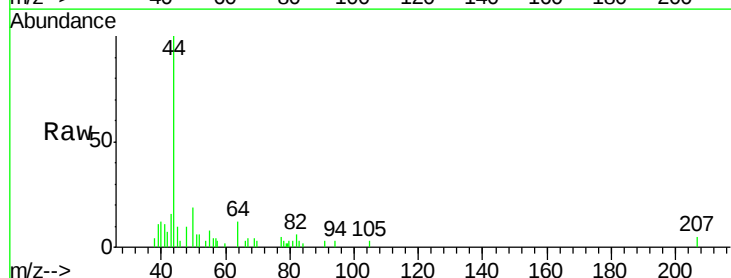
Acq: 17 Sep 2015 18:54

Tgt Ion: 50 Resp: 1823

Ion Ratio Lower Upper

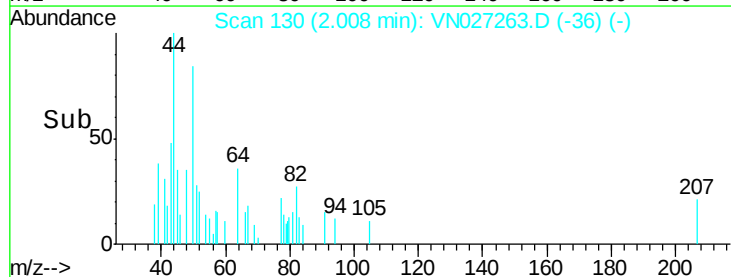
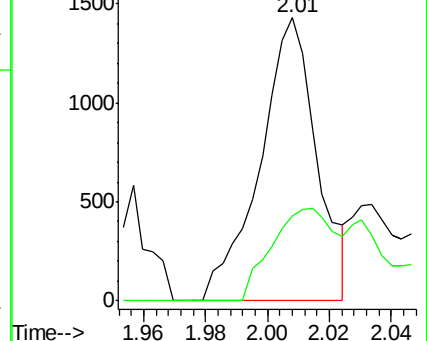
50 100

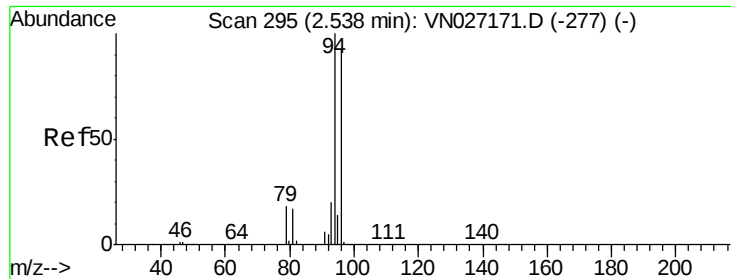
52 30.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#6

Bromomethane

Concen: 1.62 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampled :

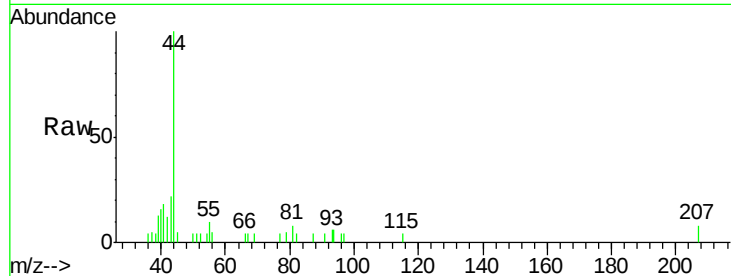
MW-12-9-15-15

Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

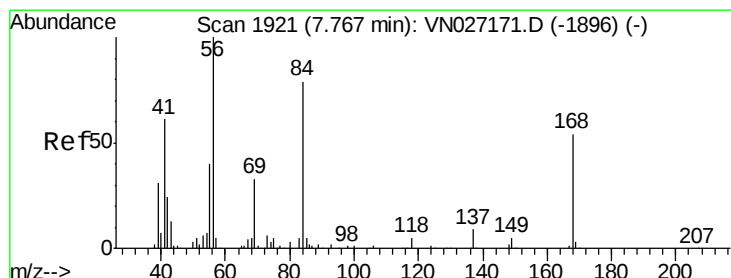
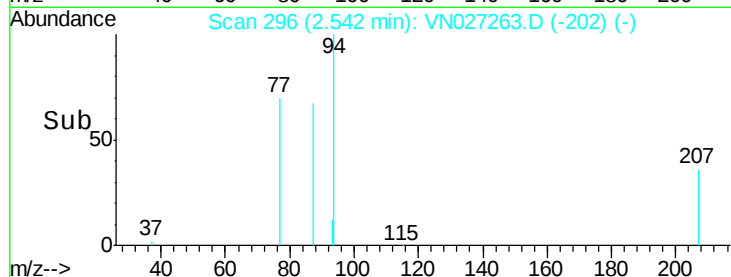
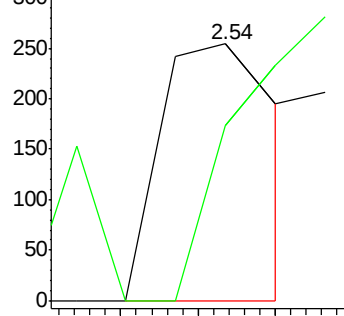
94 100

96 68.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#32

Cyclohexane

Concen: 0.22 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

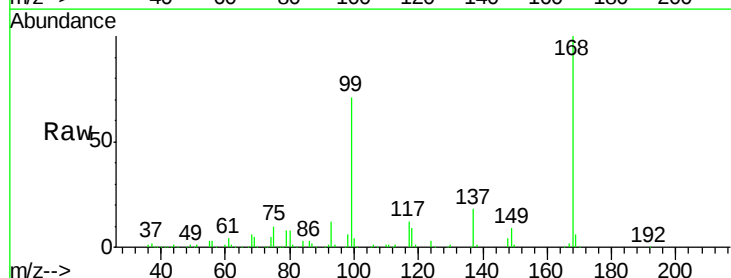
Tgt Ion: 56 Resp: 24484

Ion Ratio Lower Upper

56 100

69 159.1 23.0 34.4#

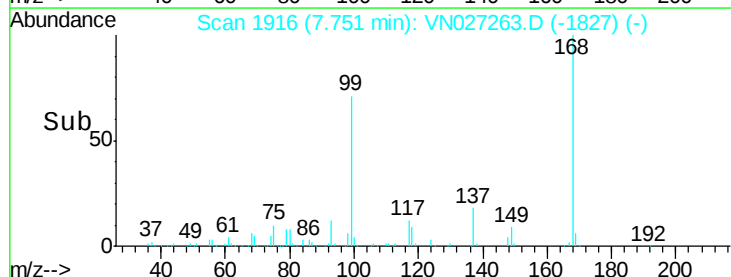
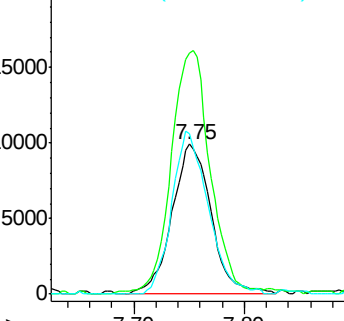
84 107.0 57.8 86.8#

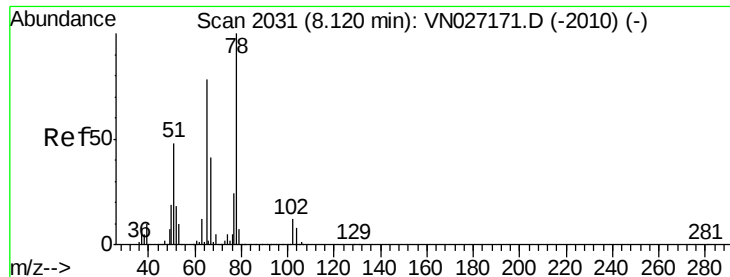


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





#34

1,2-Dichloroethane-d4

Concen: 48.68 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

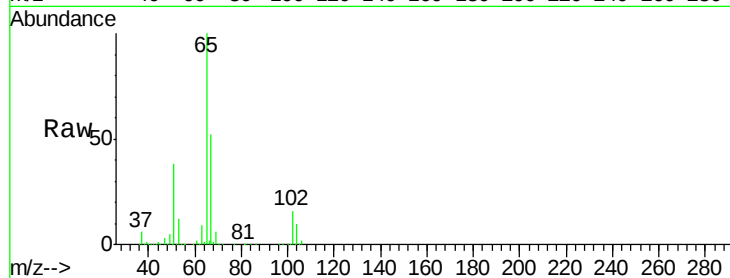
MW-12-9-15-15

Tgt Ion: 65 Resp: 759489

Ion Ratio Lower Upper

65 100

67 50.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN027263.D (-2138) (-)

Ion 66.90 (66.60 to 67.60): VN027263.D (-2138) (-)

8.12

300000

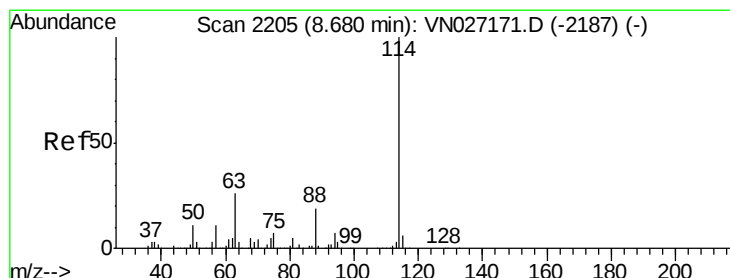
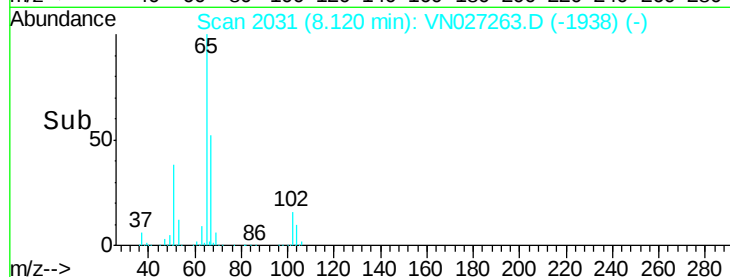
200000

100000

0

Time-->

8.00 8.10 8.20



#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

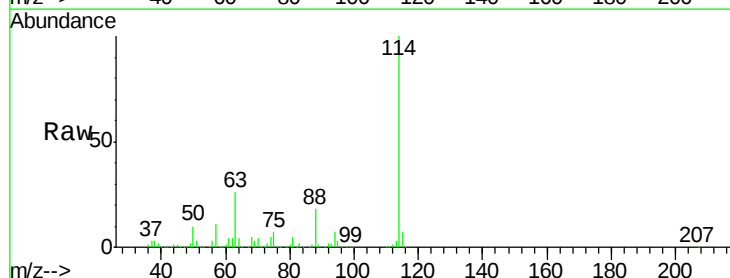
Tgt Ion: 114 Resp: 1358931

Ion Ratio Lower Upper

114 100

63 25.7 0.0 48.8

88 18.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN027263.D (-2112) (-)

Ion 63.00 (62.70 to 63.70): VN027263.D (-2112) (-)

Ion 87.90 (87.60 to 88.60): VN027263.D (-2112) (-)

8.68

800000

600000

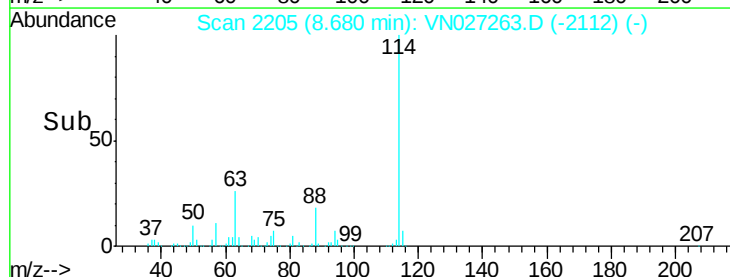
400000

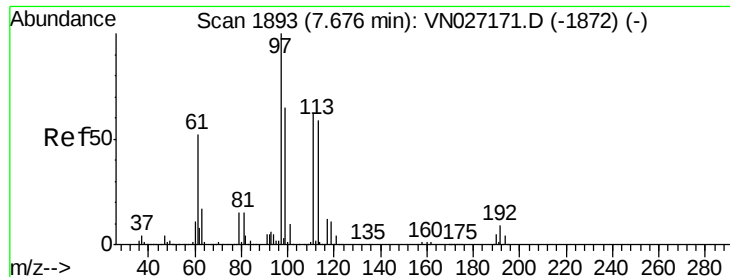
200000

0

Time-->

8.60 8.70 8.80

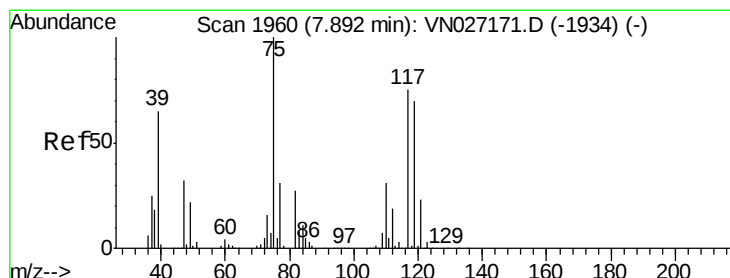
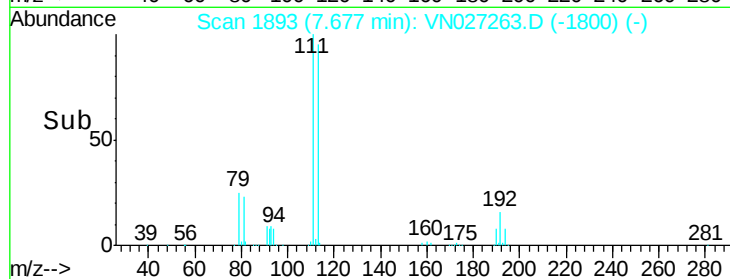
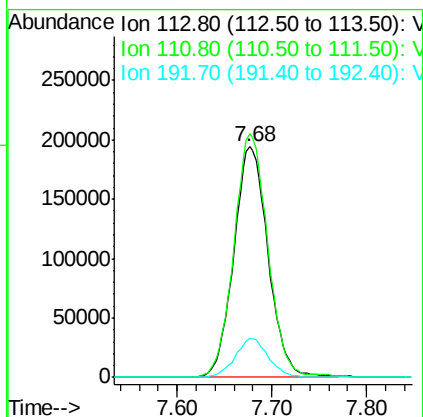
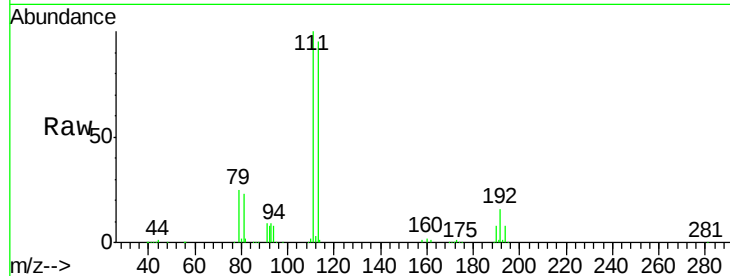




#36
 Dibromofluoromethane
 Concen: 51.93 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027263.D
 Acq: 17 Sep 2015 18:54

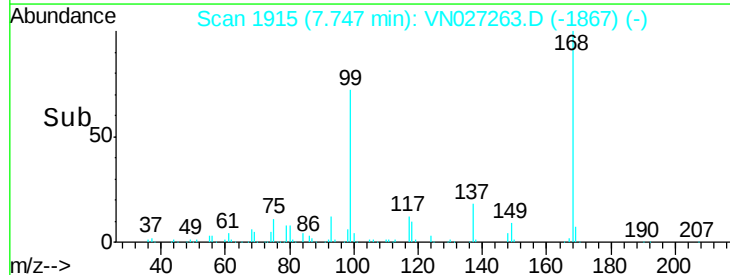
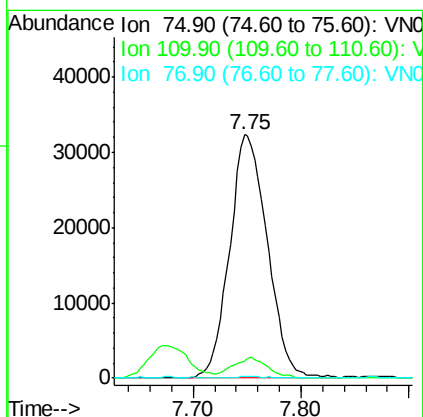
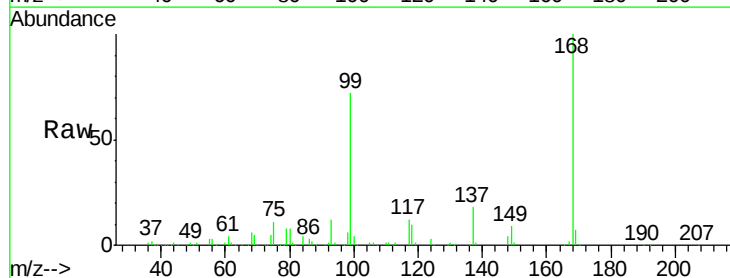
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15

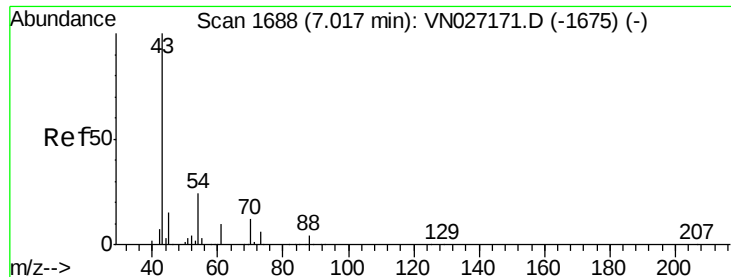
Tgt Ion:113 Resp: 489166
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.0 124.4
 192 16.3 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.14 min
 Lab File: VN027263.D
 Acq: 17 Sep 2015 18:54

Tgt Ion: 75 Resp: 78719
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.9 47.7#
 77 0.3 24.9 37.3#

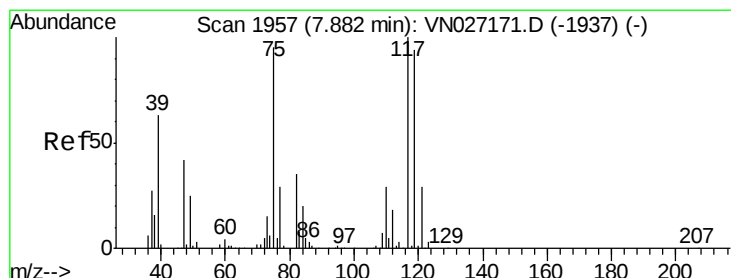
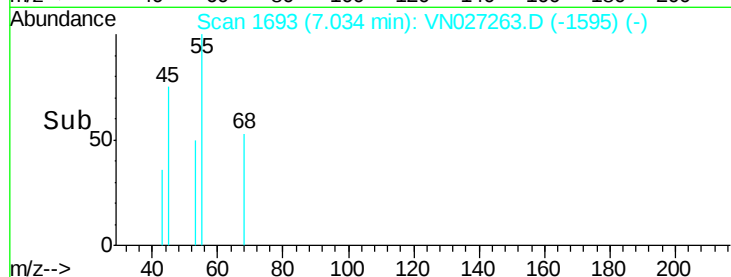
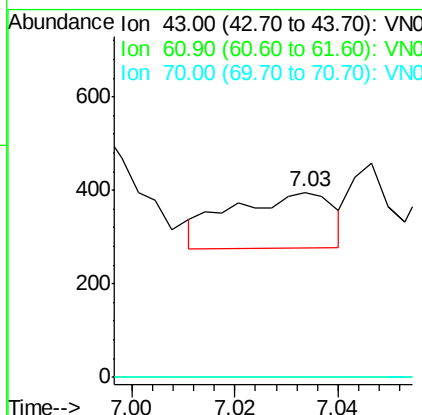
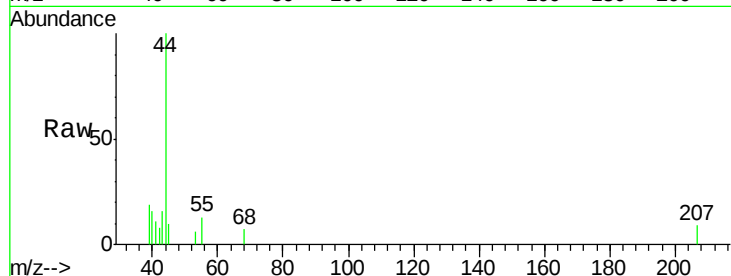




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.03 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VN027263.D
Acq: 17 Sep 2015 18:54

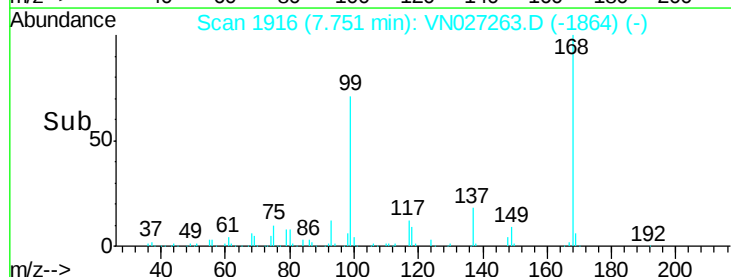
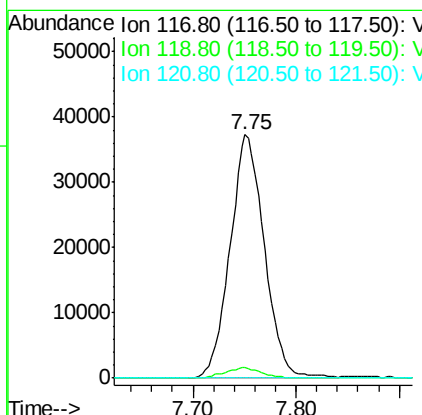
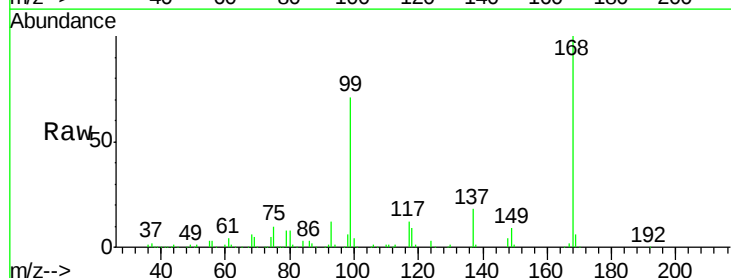
Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15

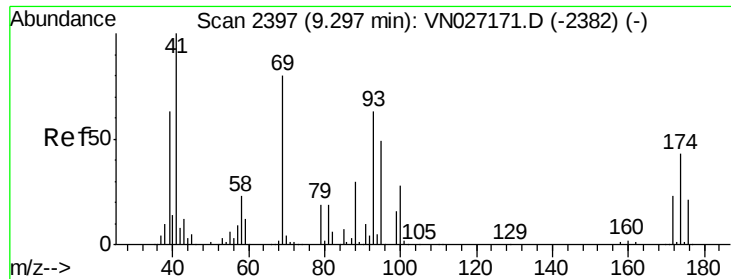
Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027263.D
Acq: 17 Sep 2015 18:54

Tgt Ion: 117 Resp: 86363
Ion Ratio Lower Upper
117 100
119 4.6 75.3 112.9#
121 0.0 23.8 35.8#

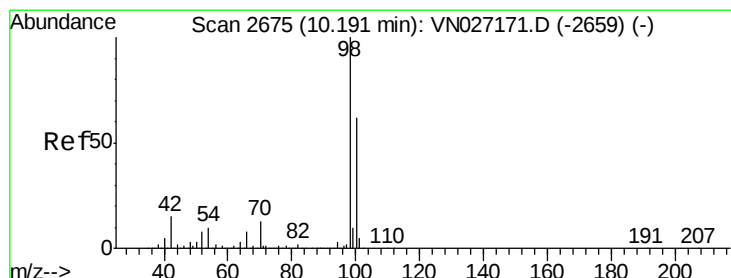
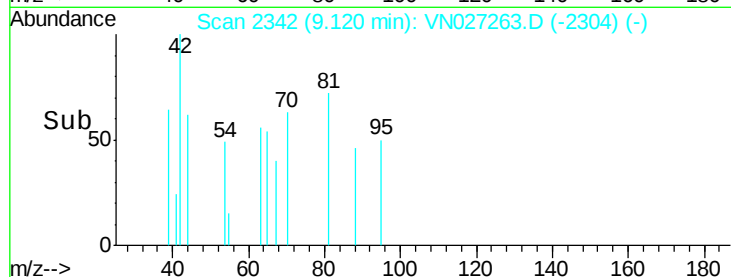
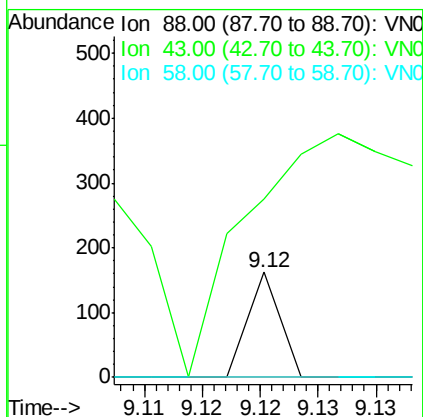
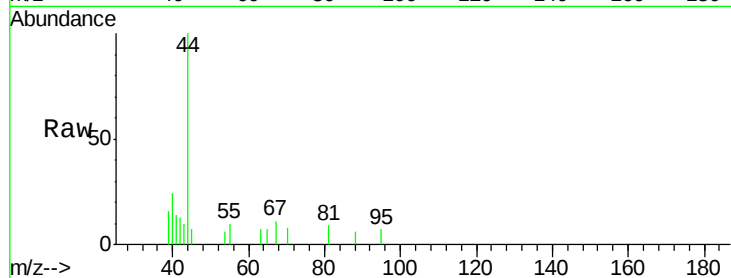




#50
 1,4-Dioxane
 Concen: 0.21 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.18 min
 Lab File: VN027263.D
 Acq: 17 Sep 2015 18:54

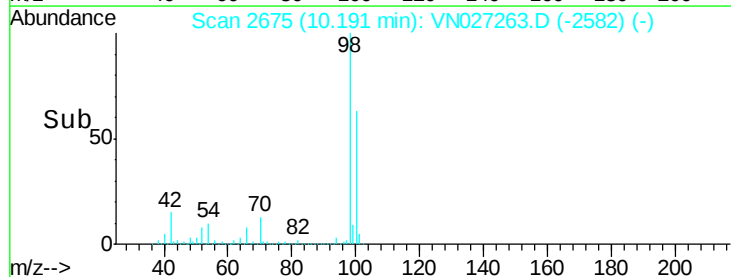
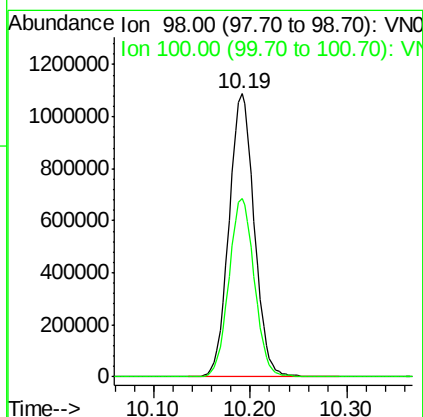
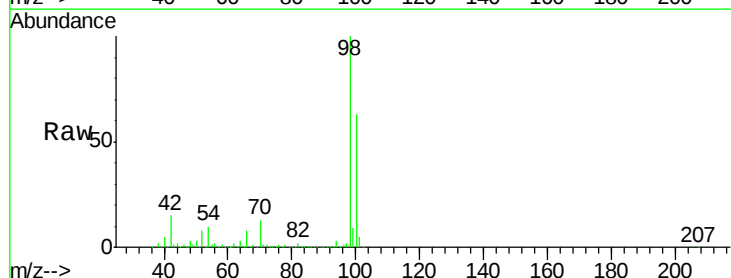
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 MW-12-9-15-15

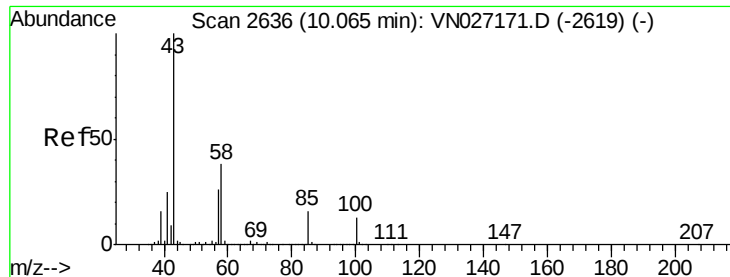
Tgt Ion: 88 Resp: 31
 Ion Ratio Lower Upper
 88 100
 43 1180.6 27.6 41.4#
 58 0.0 63.1 94.7#



#51
 Toluene-d8
 Concen: 53.43 ug/l
 RT: 10.19 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN027263.D
 Acq: 17 Sep 2015 18:54

Tgt Ion: 98 Resp: 1970630
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.5 75.7





#52

4-Methyl-2-Pentanone

Concen: 0.85 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.13 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

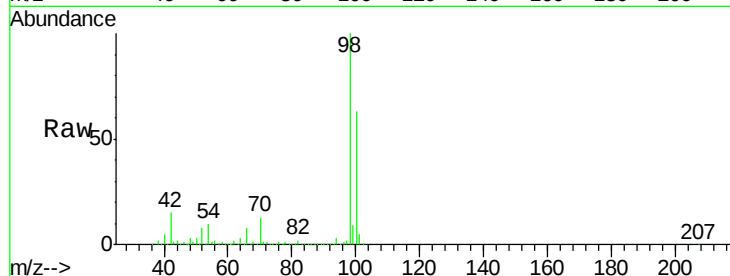
MW-12-9-15-15

Tgt Ion: 43 Resp: 11424

Ion Ratio Lower Upper

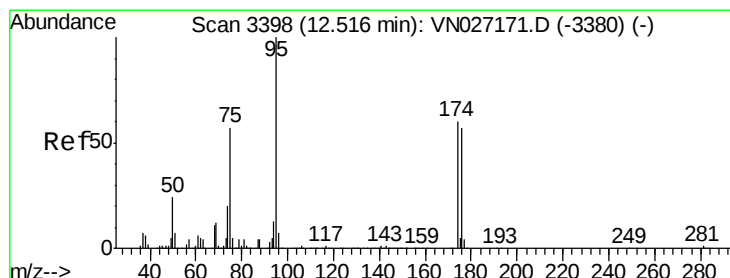
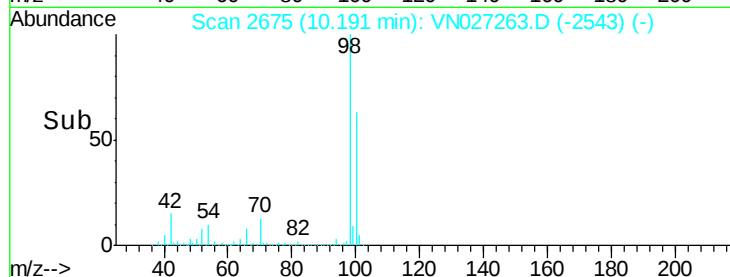
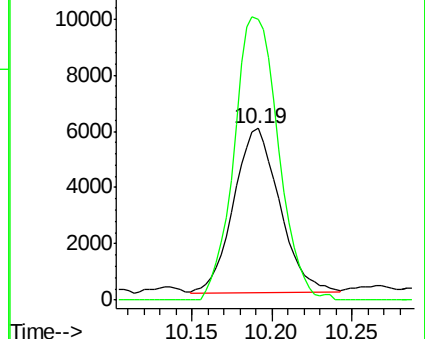
43 100

58 166.1 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#63

4-Bromofluorobenzene

Concen: 49.54 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

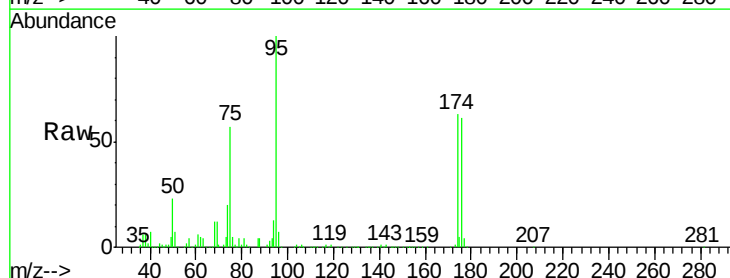
Tgt Ion: 95 Resp: 648551

Ion Ratio Lower Upper

95 100

174 63.5 0.0 137.0

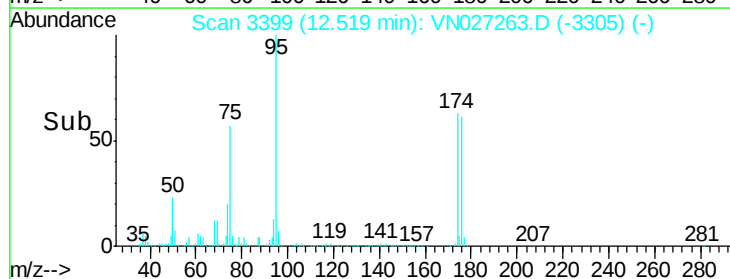
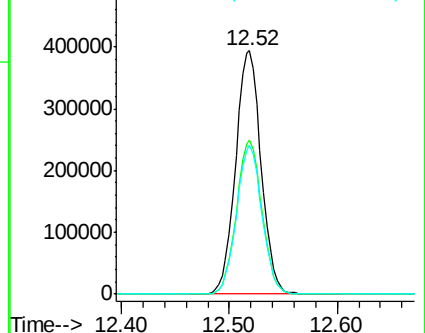
176 61.0 0.0 130.8

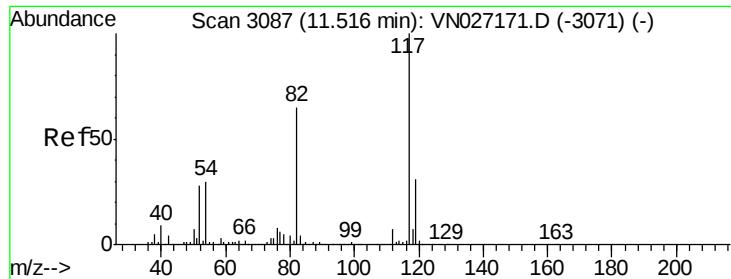


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

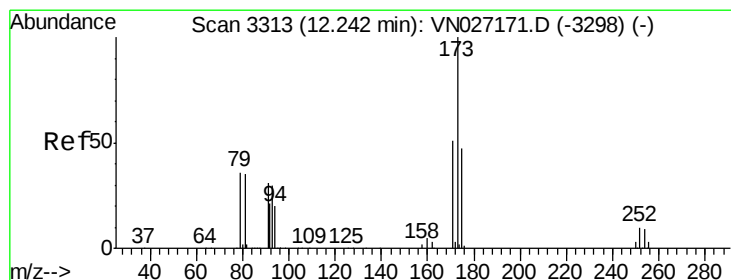
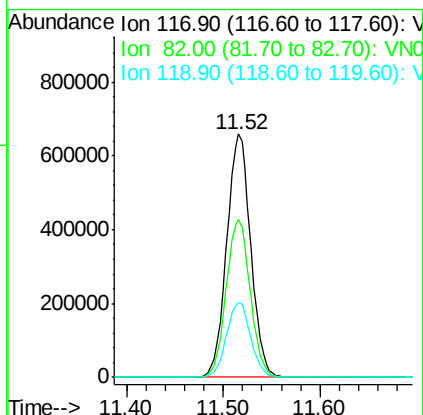
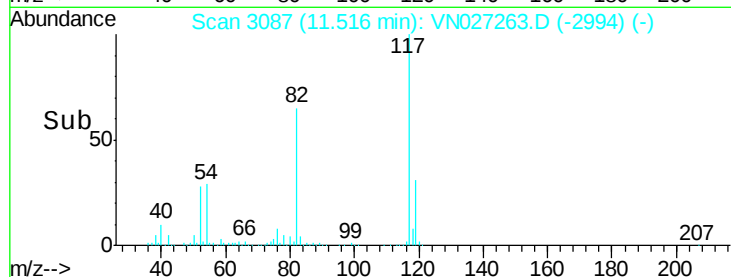
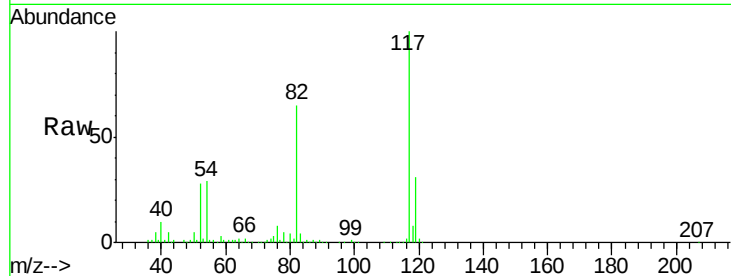




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027263.D
Acq: 17 Sep 2015 18:54

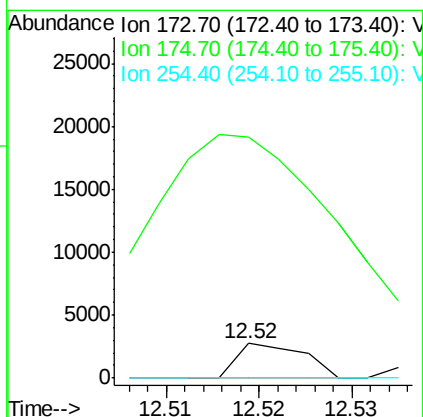
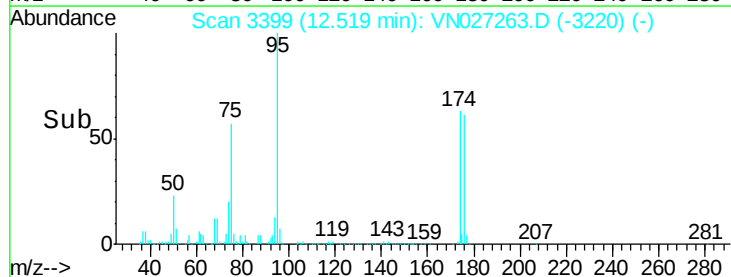
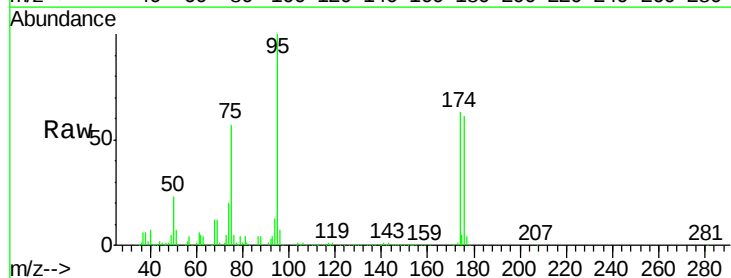
Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15

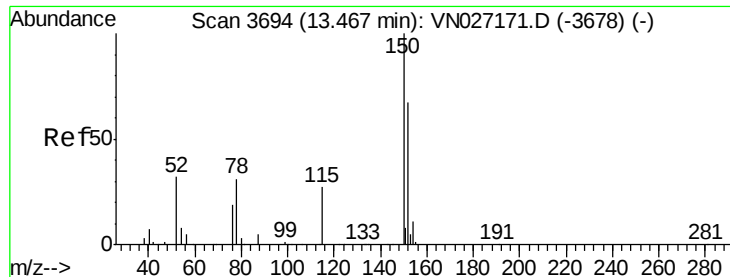
Tgt Ion:117 Resp: 1132701
Ion Ratio Lower Upper
117 100
82 64.7 49.6 74.4
119 30.9 24.6 36.8



#72
Bromoform
Concen: 0.22 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.28 min
Lab File: VN027263.D
Acq: 17 Sep 2015 18:54

Tgt Ion:173 Resp: 1381
Ion Ratio Lower Upper
173 100
175 1973.9 24.4 73.4#
254 0.0 0.1 0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15

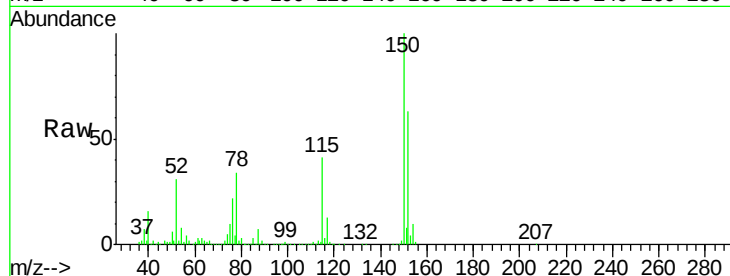
Tgt Ion:152 Resp: 391956

Ion Ratio Lower Upper

152 100

115 67.6 30.8 92.3

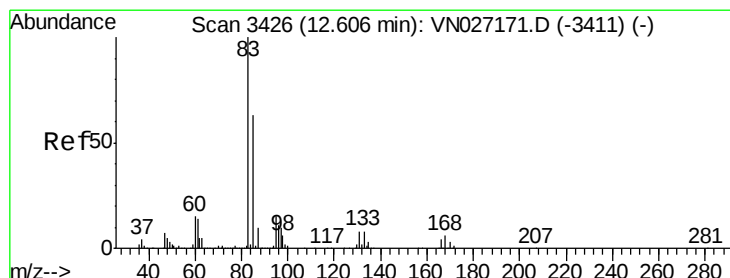
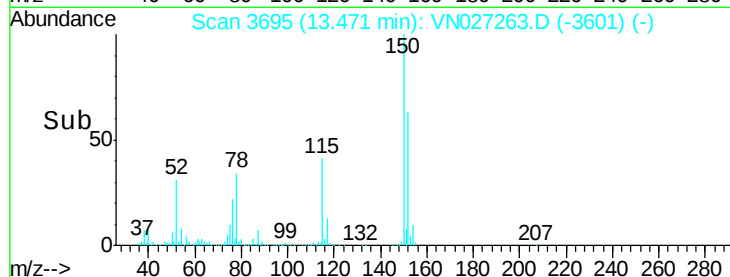
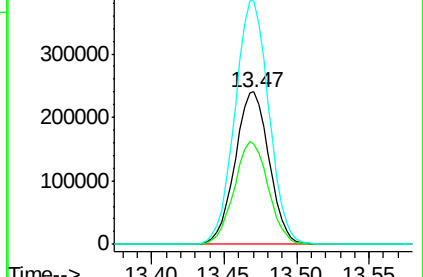
150 159.4 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.58 min Scan# 3417

Delta R.T. -0.03 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

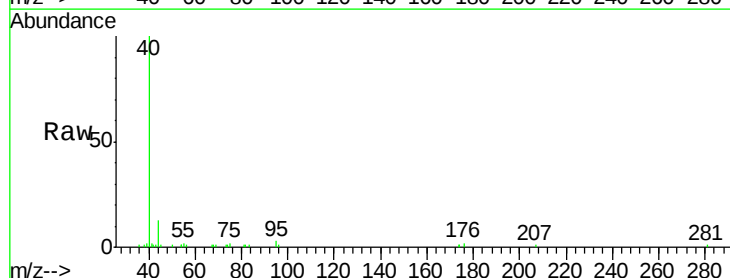
Tgt Ion: 83 Resp: 34

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

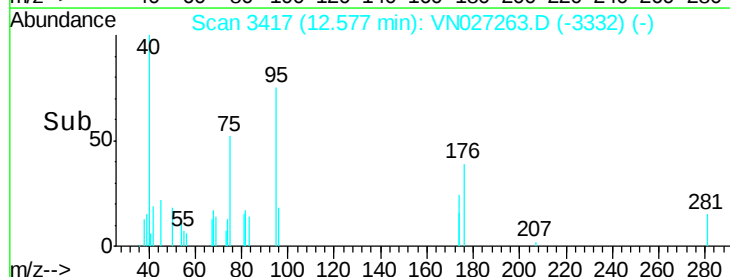
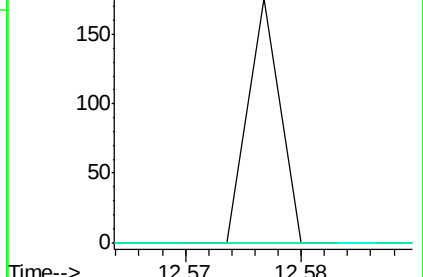
85 88.2 31.9 95.7

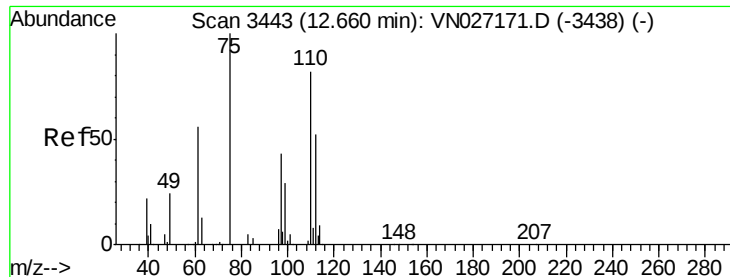


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 31.19 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

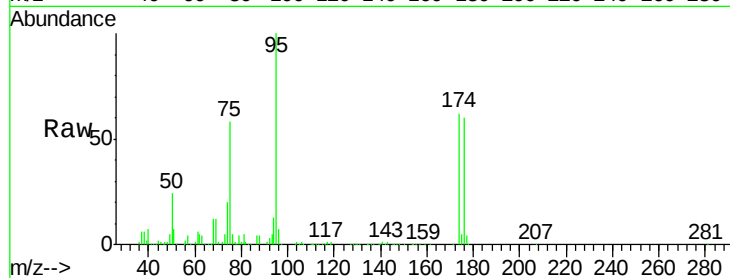
MW-12-9-15-15

Tgt Ion: 75 Resp: 369501

Ion Ratio Lower Upper

75 100

77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

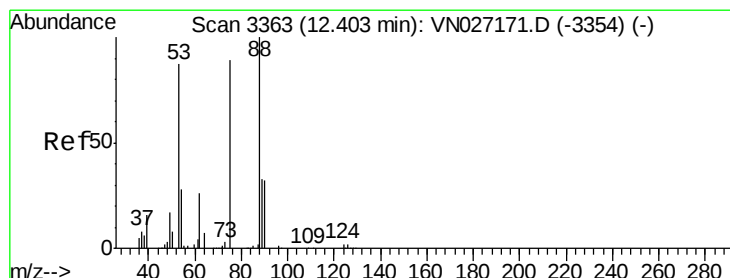
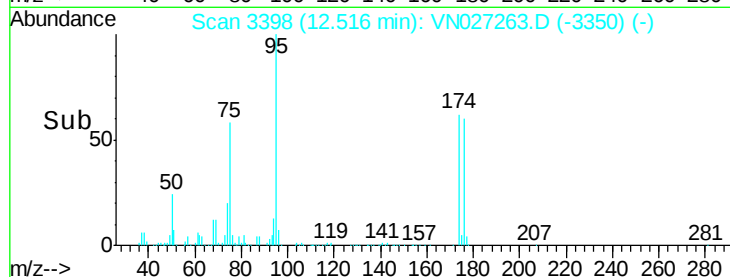
150000

100000

50000

0

Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 76.62 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

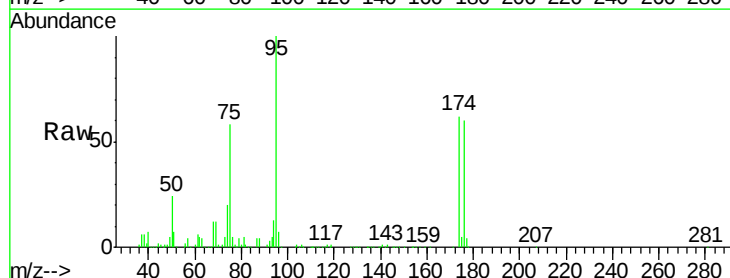
Tgt Ion: 75 Resp: 369501

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.52

300000

250000

200000

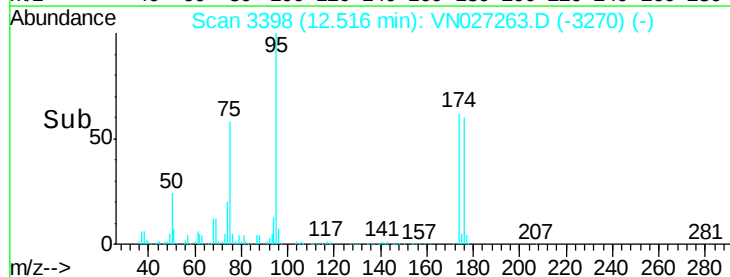
150000

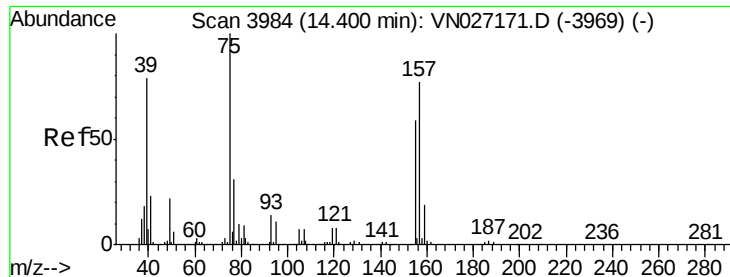
100000

50000

0

Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.44 min Scan# 3995

Delta R.T. 0.04 min

Lab File: VN027263.D

Acq: 17 Sep 2015 18:54

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15

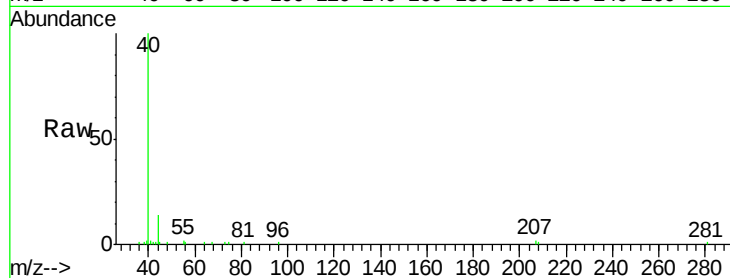
Tgt Ion: 75 Resp: 33

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

