

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027244.D
 Acq On : 17 Sep 2015 10:06
 Operator : MD\FY
 Sample : VN0917WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL01

Quant Time: Sep 18 01:09:40 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	558270	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1108871	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1038920	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	362113	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	516537	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
36) Dibromofluoromethane	7.68	113	352287	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
51) Toluene-d8	10.19	98	1437631	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
63) 4-Bromofluorobenzene	12.52	95	545625	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	

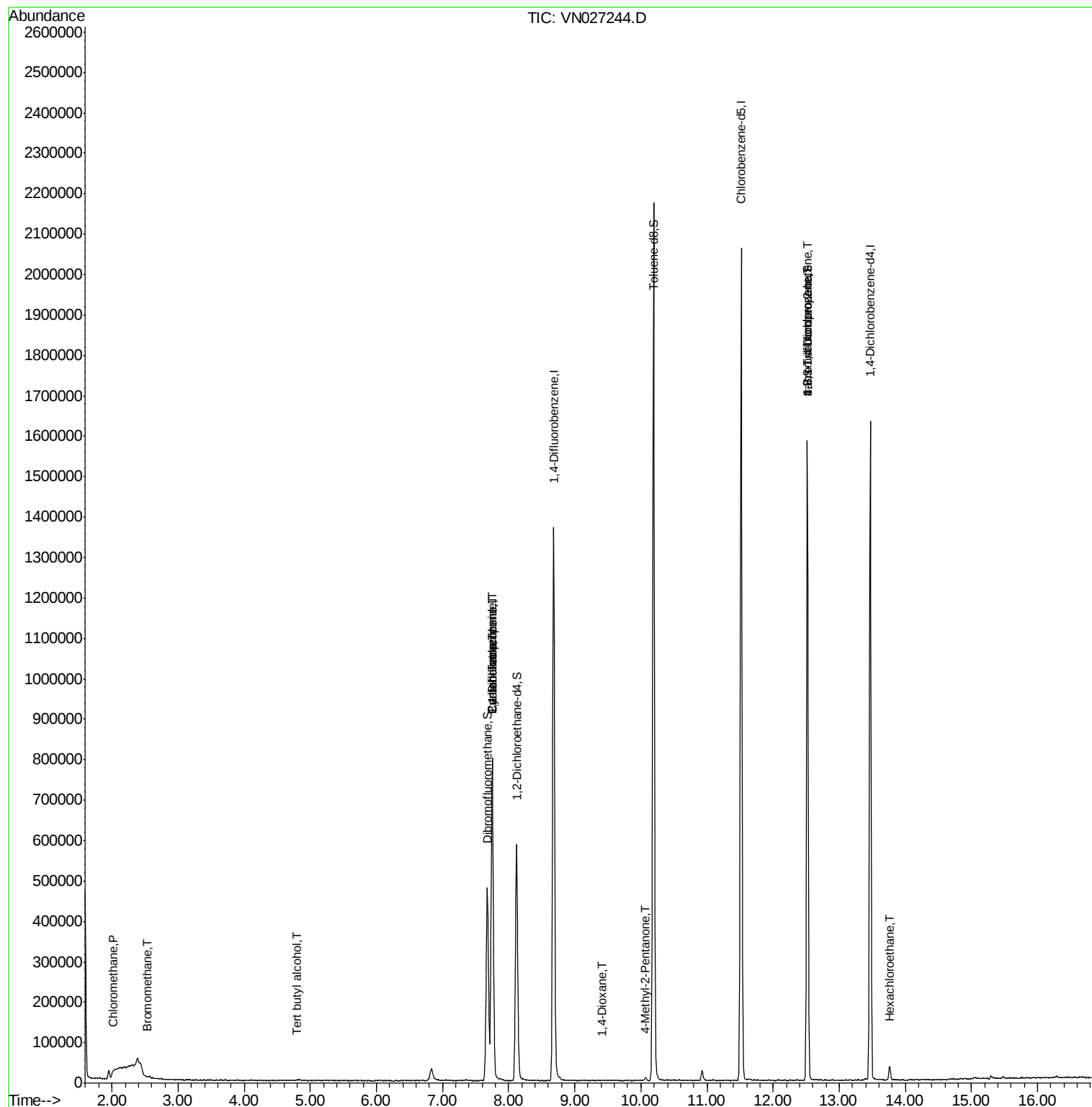
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2150	1.39	ug/l	90
6) Bromomethane	2.55	94	1078	1.87	ug/l	# 61
12) Tert butyl alcohol	4.80	59	576	0.51	ug/l	# 1
32) Cyclohexane	7.75	56	18861	0.28	ug/l	# 1
37) 1,1-Dichloropropene	7.75	75	57751	4.45	ug/l	# 51
38) Ethyl Acetate	7.05	43	1622	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	64042	5.25	ug/l	# 16
50) 1,4-Dioxane	9.40	88	30	0.25	ug/l	# 1
52) 4-Methyl-2-Pentanone	10.07	43	3824	0.35	ug/l	# 79
76) 1,1,2,2-Tetrachloroethane	12.61	83	346	Below Cal	#	35
77) 1,2,3-Trichloropropane	12.52	75	313641	28.66	ug/l	# 1
82) trans-1,4-Dichloro-2-buten	12.52	75	313641	70.39	ug/l	# 4
91) Hexachloroethane	13.76	117	1898	0.29	ug/l	# 15
93) 1,2-Dibromo-3-Chloropropan	14.27	75	31	Below Cal	#	9

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampled :

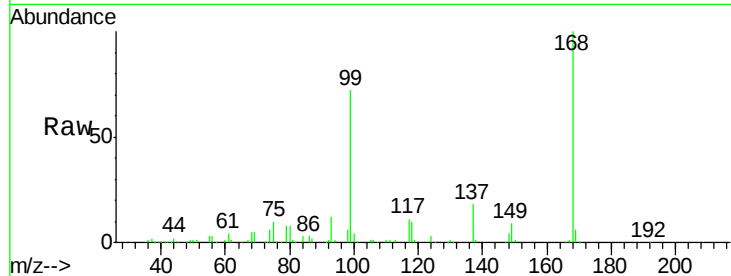
VN0917WBL01

Tgt Ion:168 Resp: 558270

Ion Ratio Lower Upper

168 100

99 72.4 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

100000

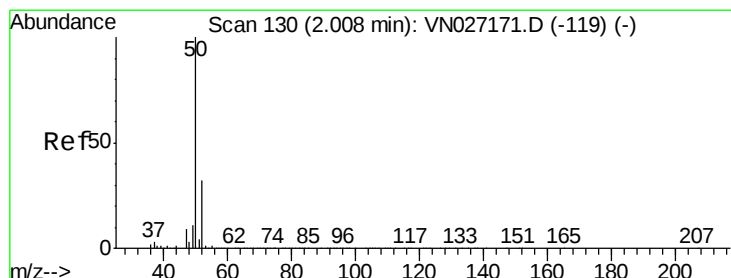
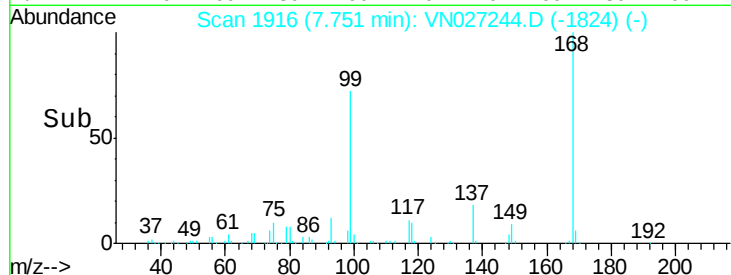
50000

0

7.70

7.80

Time-->



#4

Chloromethane

Concen: 1.39 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027244.D

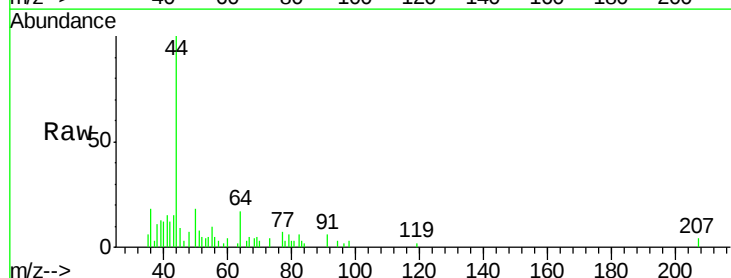
Acq: 17 Sep 2015 10:06

Tgt Ion: 50 Resp: 2150

Ion Ratio Lower Upper

50 100

52 26.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.00

1500

1000

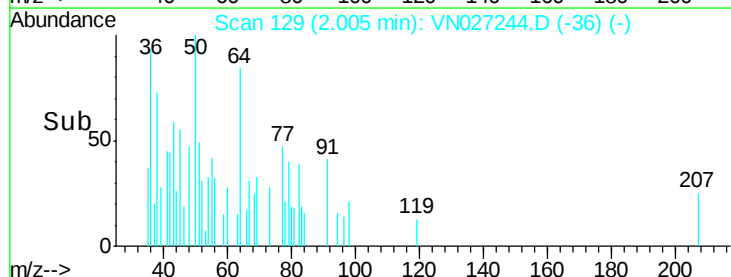
500

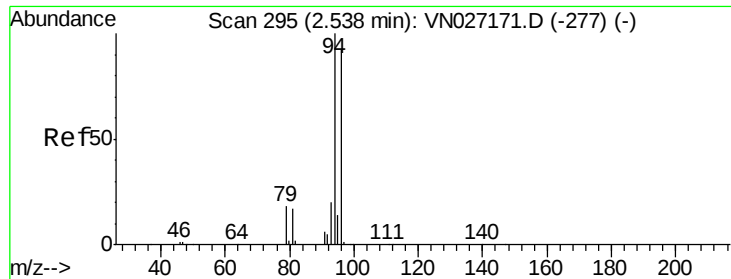
0

2.00

2.05

Time-->





#6

Bromomethane

Concen: 1.87 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

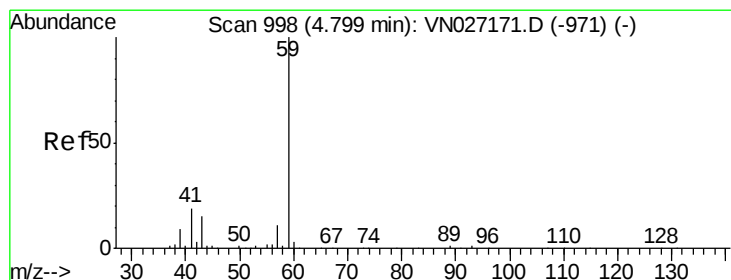
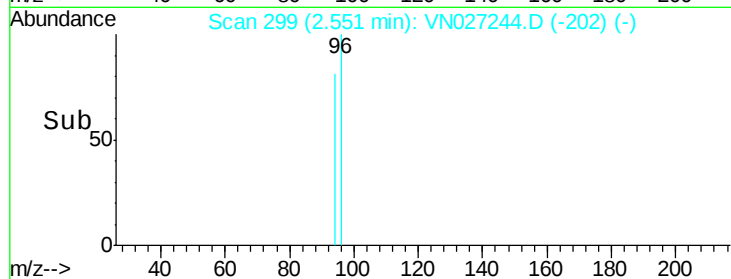
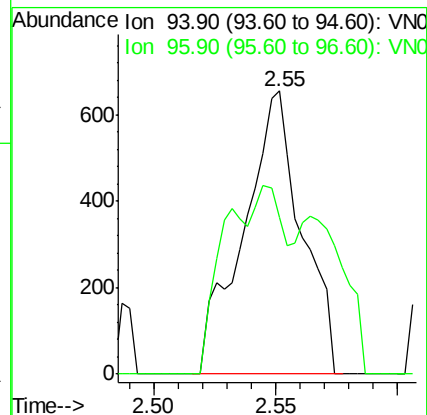
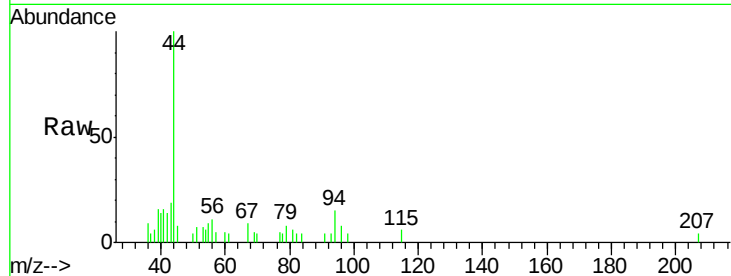
VN0917WBL01

Tgt Ion: 94 Resp: 1078

Ion Ratio Lower Upper

94 100

96 55.1 73.4 110.2#



#12

Tert butyl alcohol

Concen: 0.51 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN027244.D

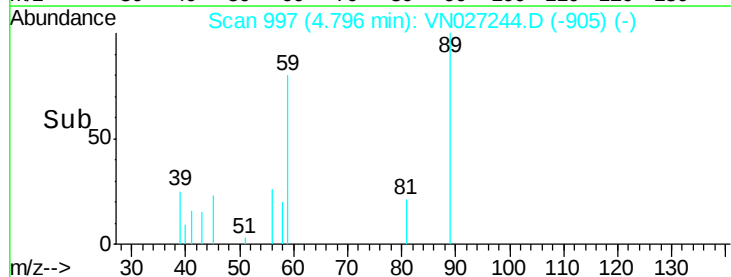
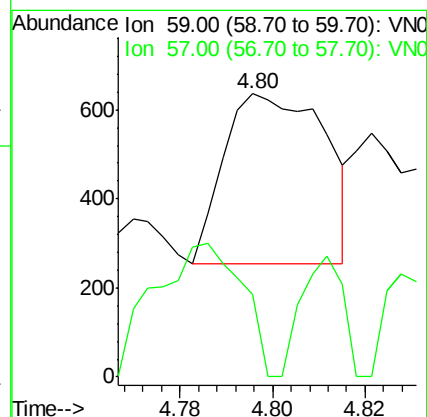
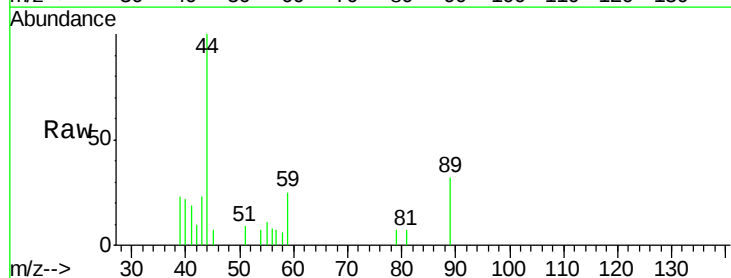
Acq: 17 Sep 2015 10:06

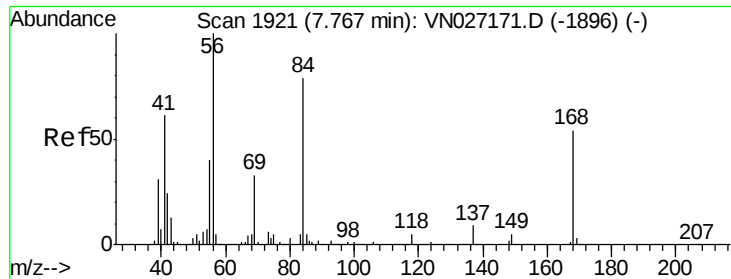
Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

59 100

57 68.1 7.6 11.4#

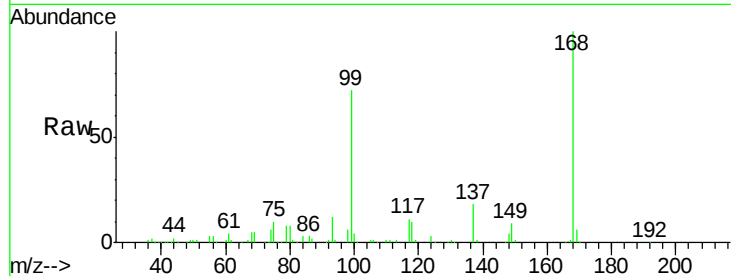




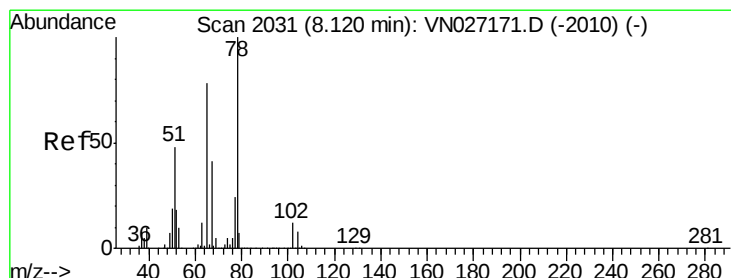
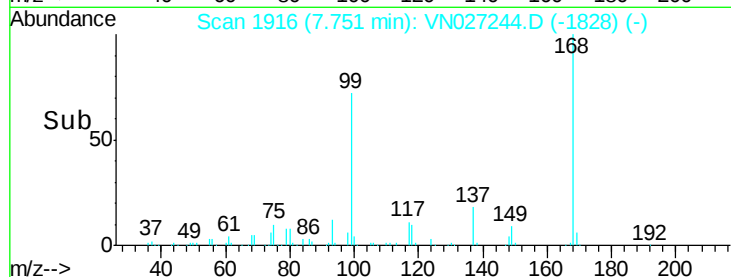
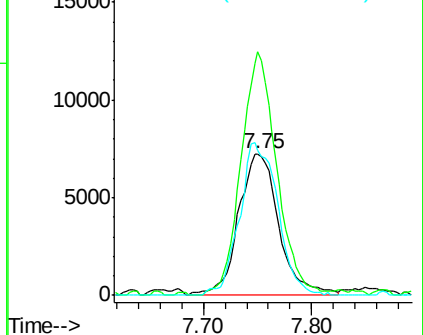
#32
Cyclohexane
Concen: 0.28 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027244.D
Acq: 17 Sep 2015 10:06

Instrument :
MSVOA_N
ClientSampled :
VN0917WBL01

Tgt Ion: 56 Resp: 18861
Ion Ratio Lower Upper
56 100
69 171.9 23.0 34.4#
84 102.8 57.8 86.8#

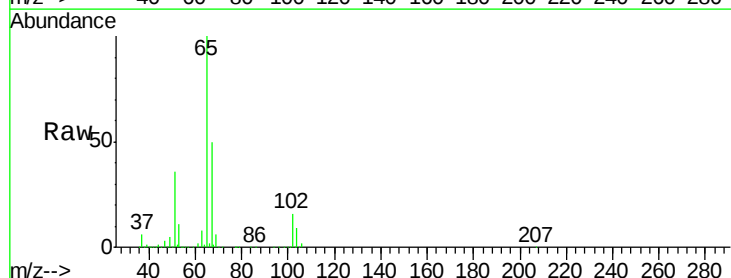


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

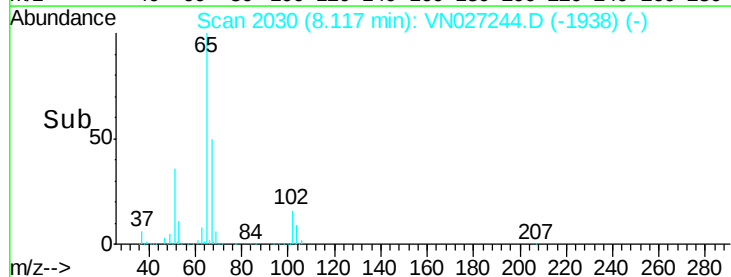
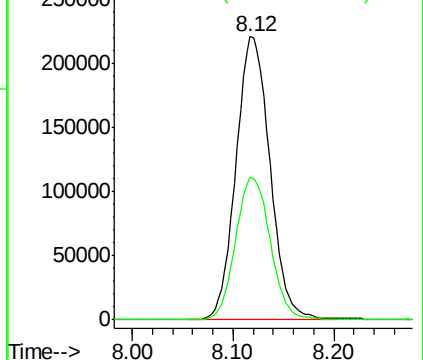


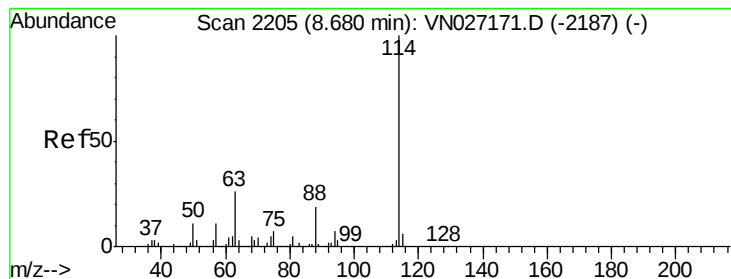
#34
1,2-Dichloroethane-d4
Concen: 45.16 ug/l
RT: 8.12 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VN027244.D
Acq: 17 Sep 2015 10:06

Tgt Ion: 65 Resp: 516537
Ion Ratio Lower Upper
65 100
67 51.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01

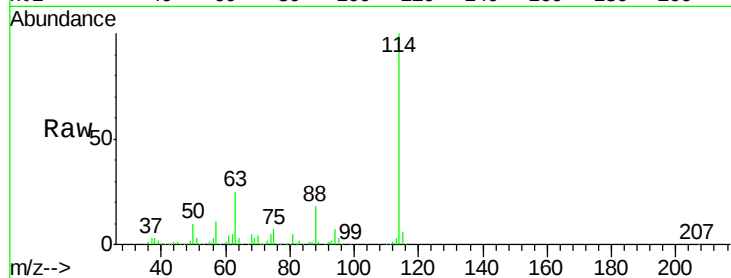
Tgt Ion:114 Resp: 1108871

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.8

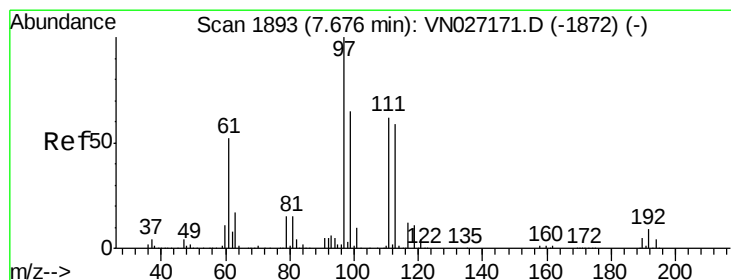
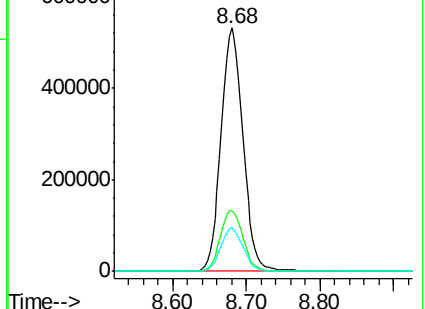
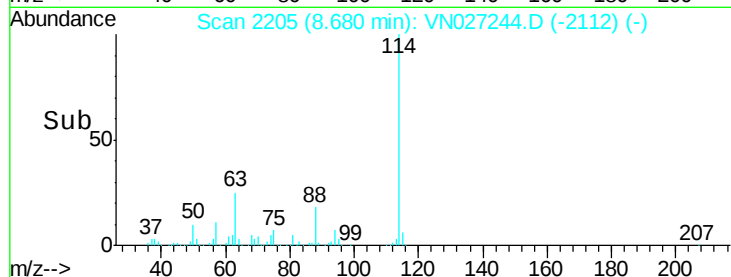
88 17.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 45.83 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

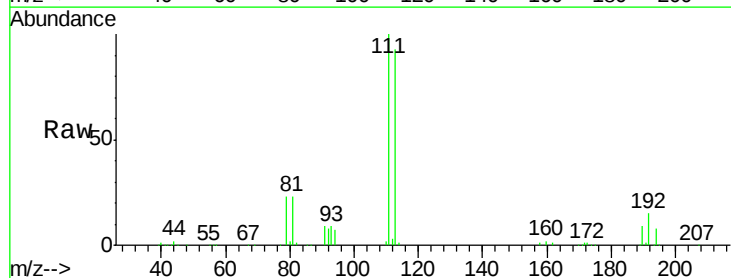
Tgt Ion:113 Resp: 352287

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.4

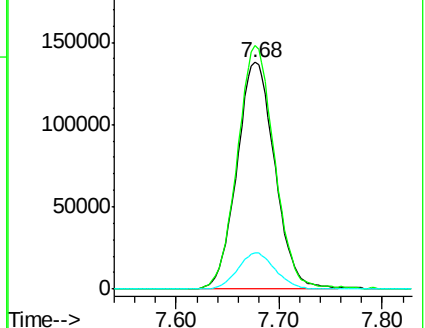
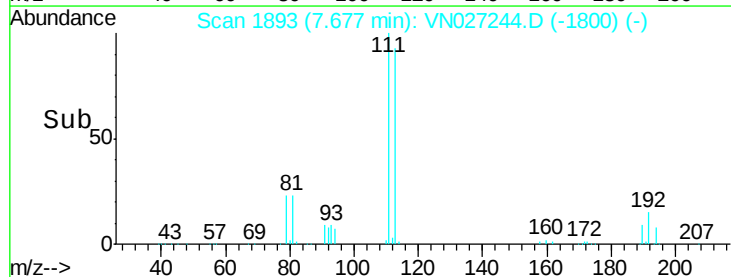
192 15.9 14.1 21.1

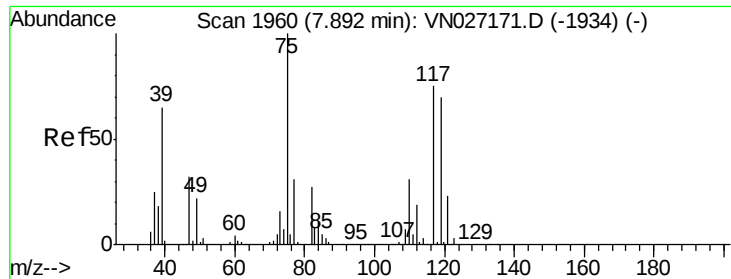


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

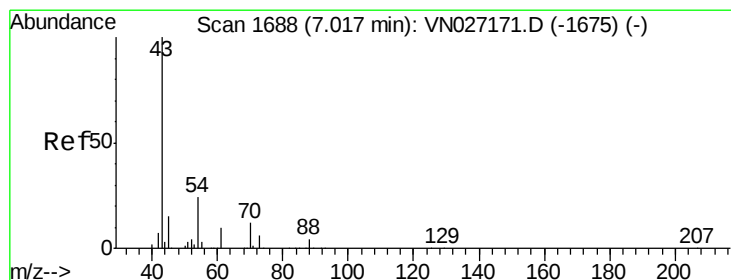
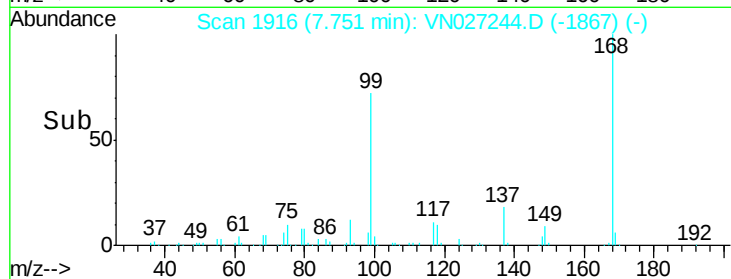
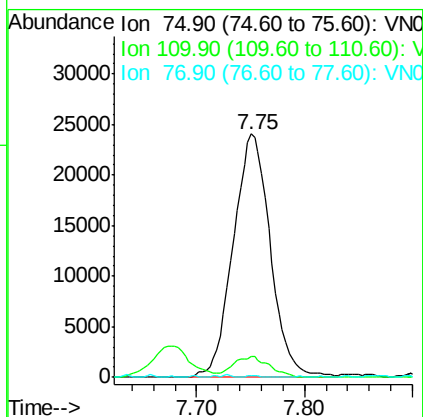
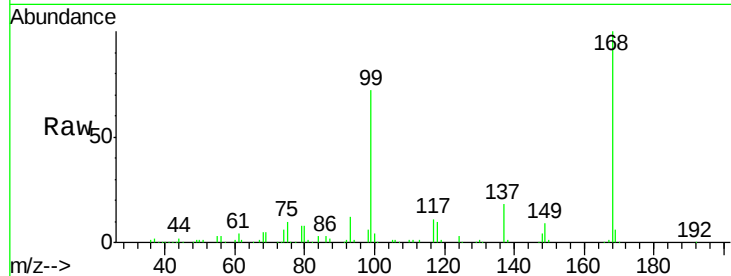




#37
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027244.D
 Acq: 17 Sep 2015 10:06

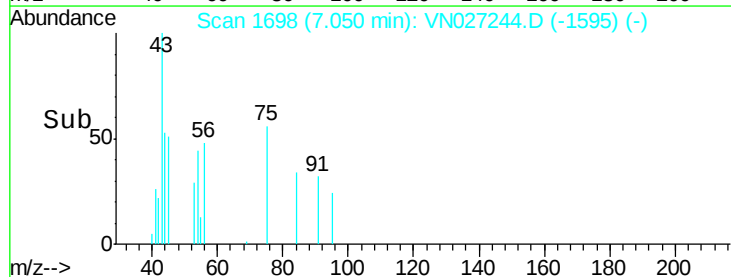
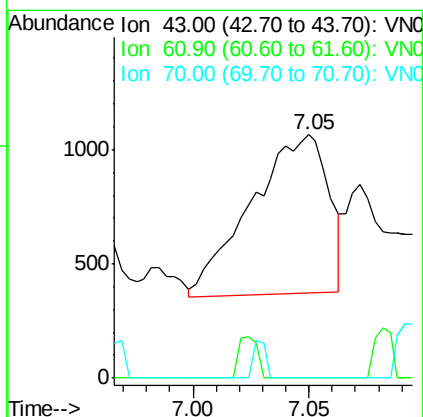
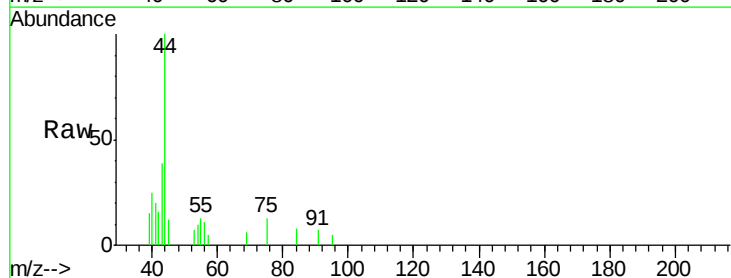
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL01

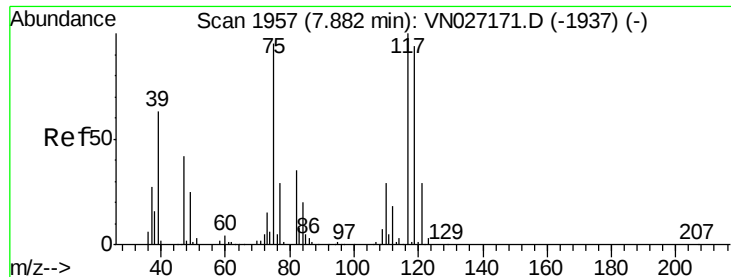
Tgt Ion: 75 Resp: 57751
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.7#
 77 0.2 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.05 min Scan# 1698
 Delta R.T. 0.03 min
 Lab File: VN027244.D
 Acq: 17 Sep 2015 10:06

Tgt Ion: 43 Resp: 1622
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#





#39

Carbon Tetrachloride

Concen: 5.25 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01

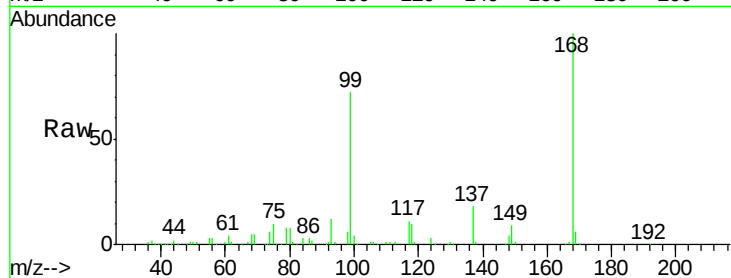
Tgt Ion:117 Resp: 64042

Ion Ratio Lower Upper

117 100

119 4.5 75.3 112.9#

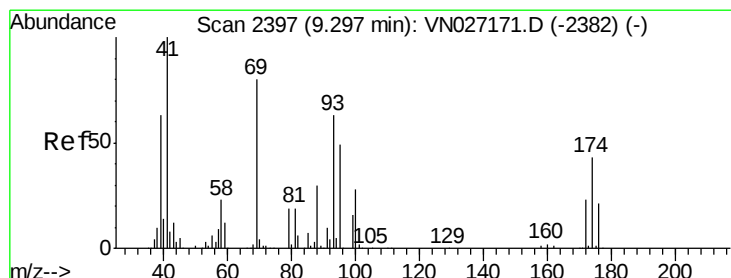
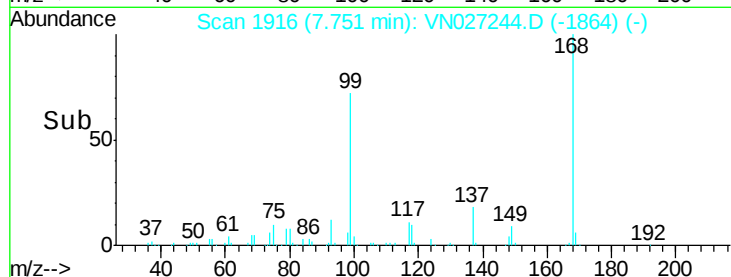
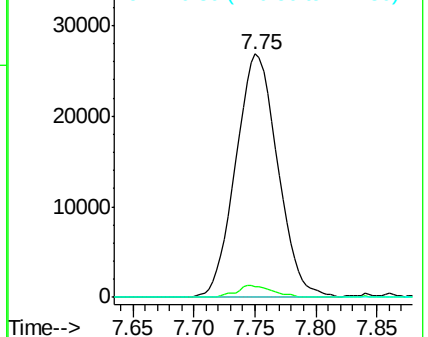
121 0.0 23.8 35.8#



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



#50

1,4-Dioxane

Concen: 0.25 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.11 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

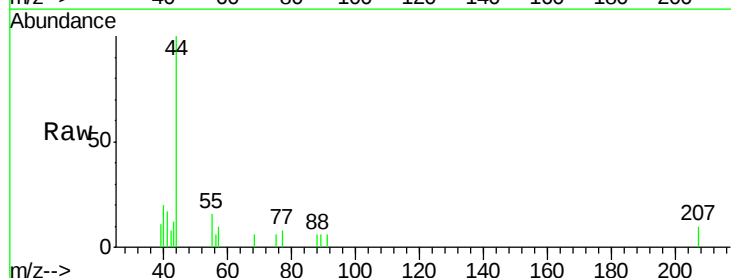
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 596.7 27.6 41.4#

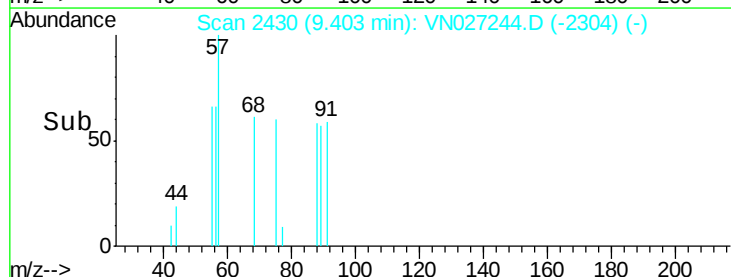
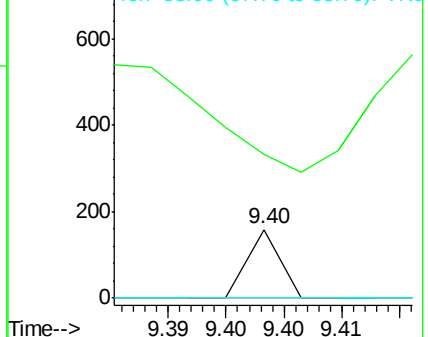
58 0.0 63.1 94.7#

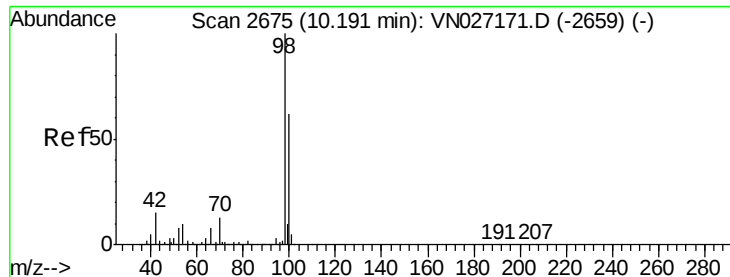


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#51

Toluene-d8

Concen: 47.77 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampled :

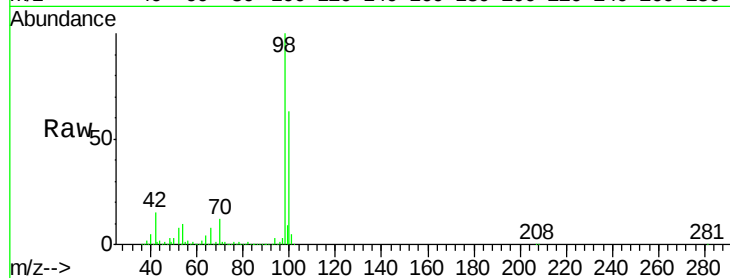
VN0917WBL01

Tgt Ion: 98 Resp: 1437631

Ion Ratio Lower Upper

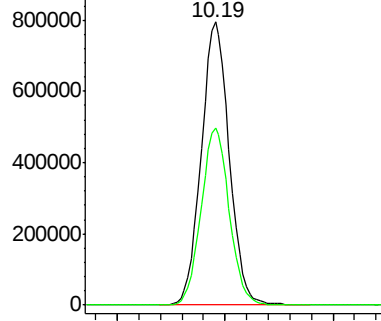
98 100

100 62.9 50.5 75.7

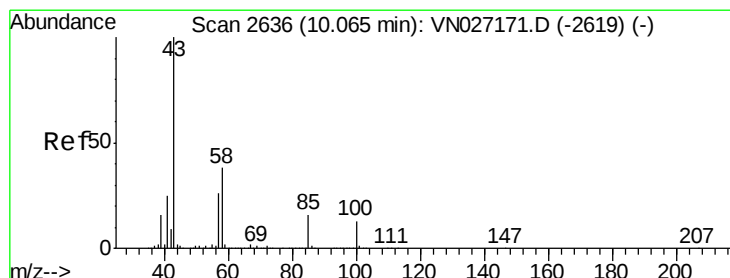
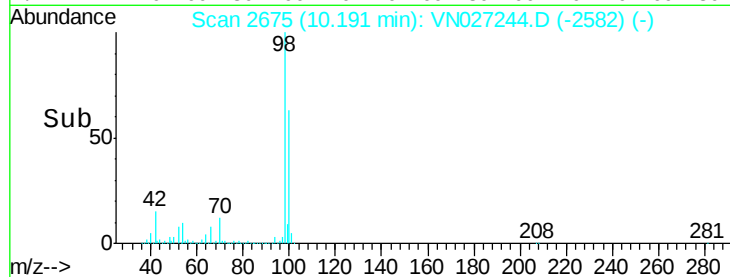


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#52

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027244.D

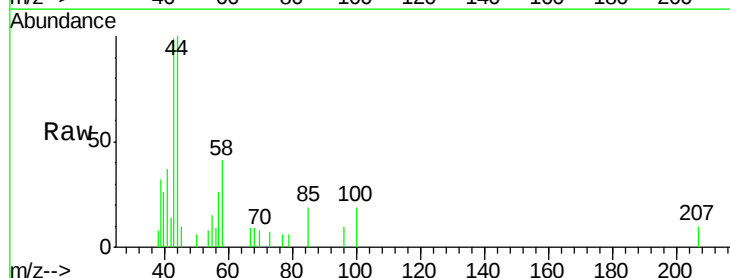
Acq: 17 Sep 2015 10:06

Tgt Ion: 43 Resp: 3824

Ion Ratio Lower Upper

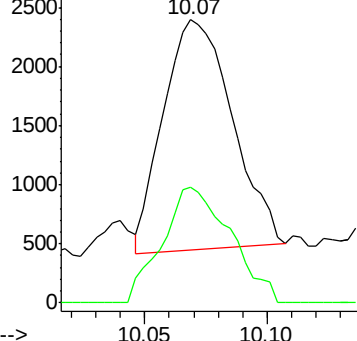
43 100

58 49.7 29.8 44.8#

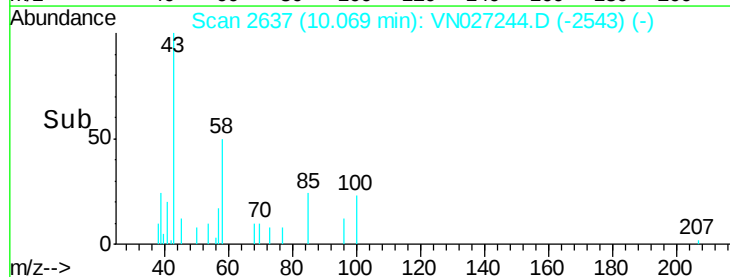


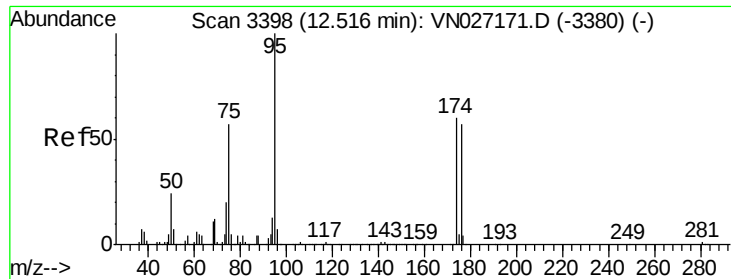
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

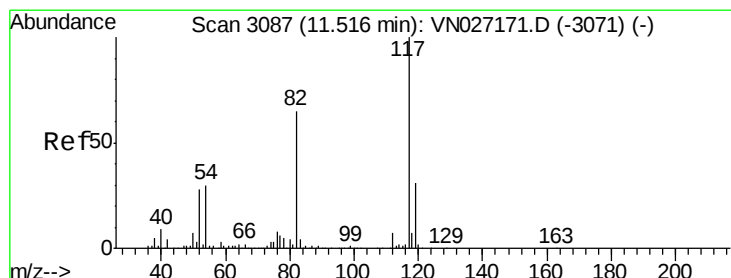
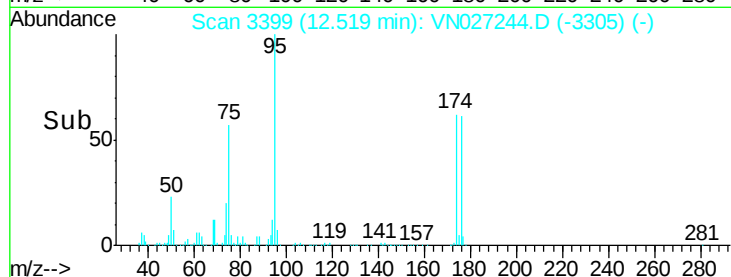
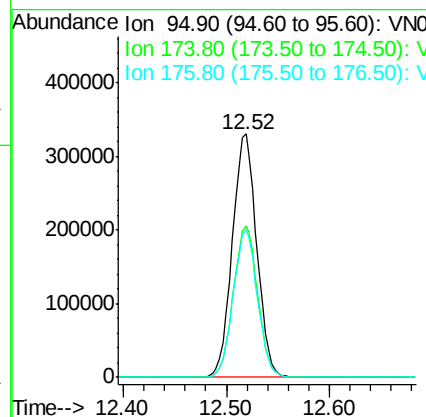
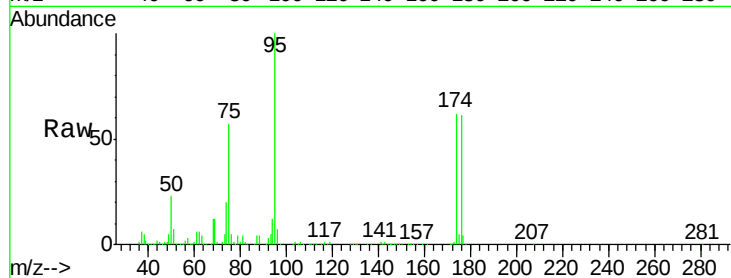




#63
4-Bromofluorobenzene
Concen: 51.08 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027244.D
Acq: 17 Sep 2015 10:06

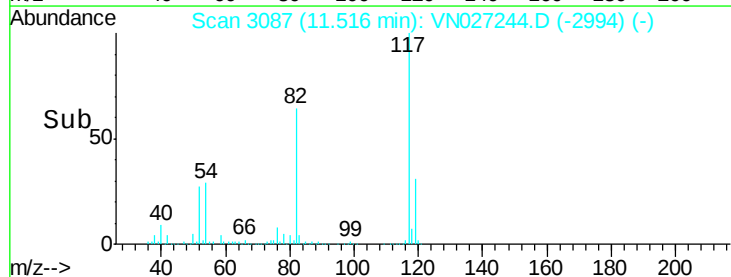
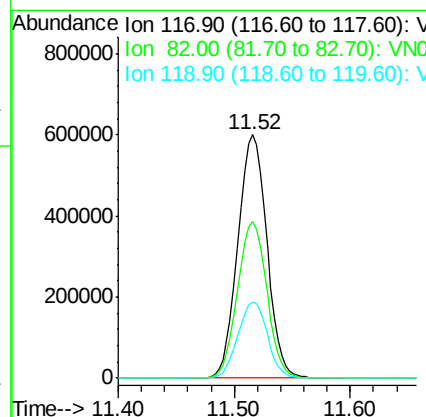
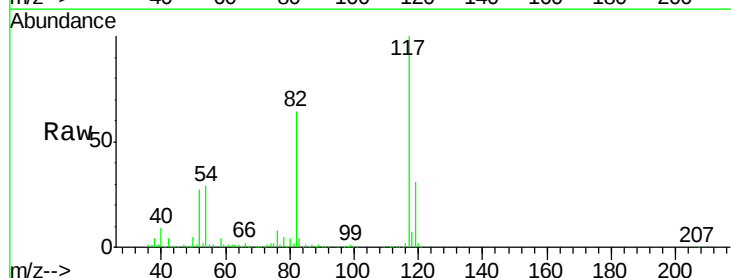
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

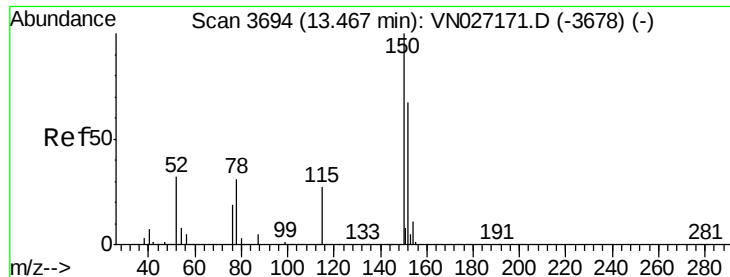
Tgt Ion: 95 Resp: 545625
Ion Ratio Lower Upper
95 100
174 62.3 0.0 137.0
176 60.3 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027244.D
Acq: 17 Sep 2015 10:06

Tgt Ion: 117 Resp: 1038920
Ion Ratio Lower Upper
117 100
82 64.5 49.6 74.4
119 31.4 24.6 36.8





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01

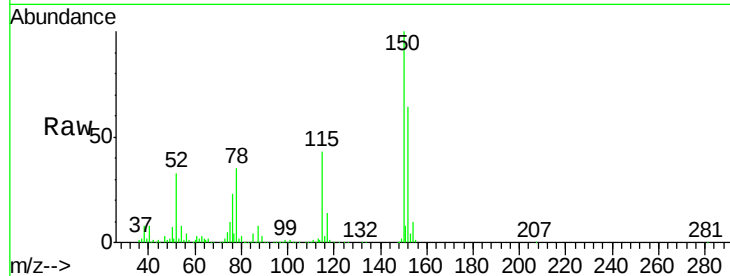
Tgt Ion:152 Resp: 362113

Ion Ratio Lower Upper

152 100

115 68.6 30.8 92.3

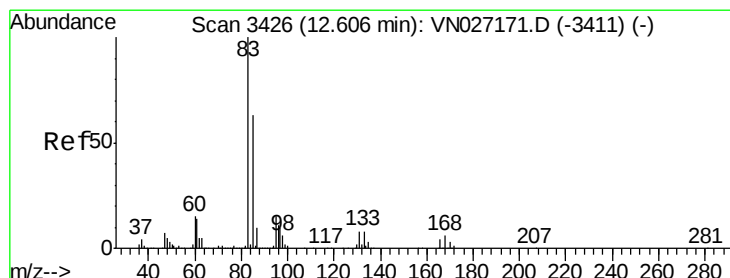
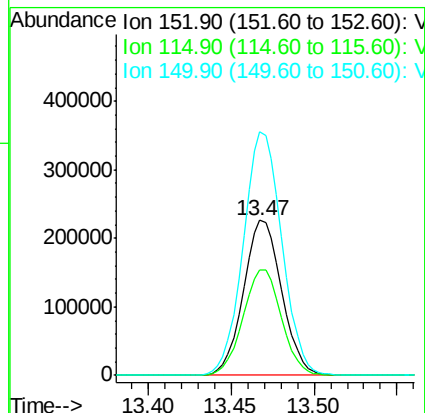
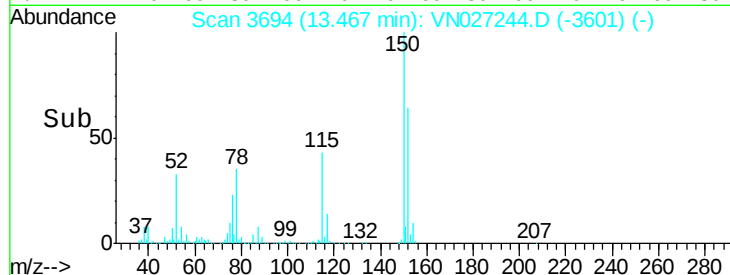
150 158.8 0.0 345.0



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: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

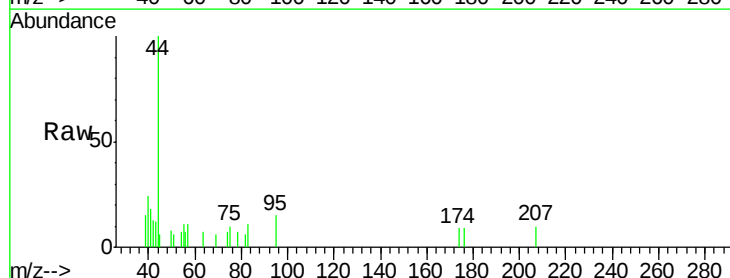
Tgt Ion: 83 Resp: 346

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

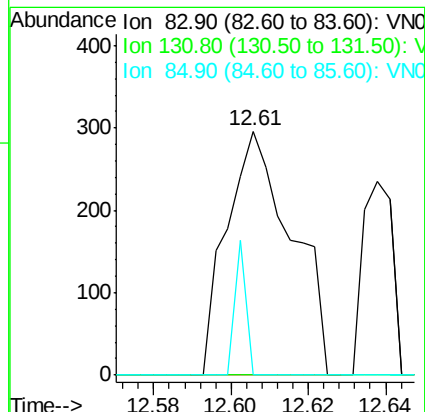
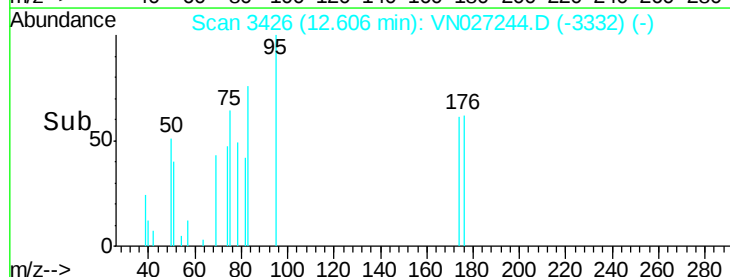
85 9.0 31.9 95.7#

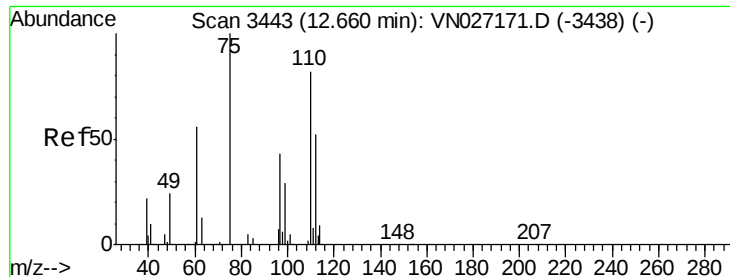


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 28.66 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

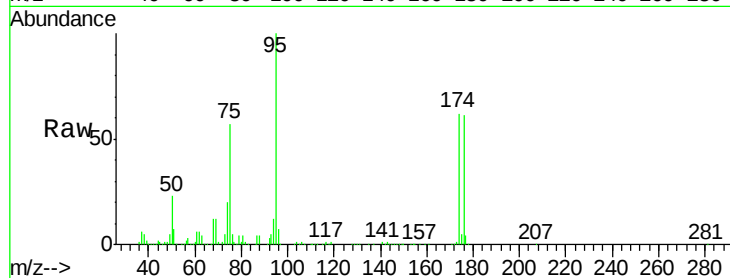
VN0917WBL01

Tgt Ion: 75 Resp: 313641

Ion Ratio Lower Upper

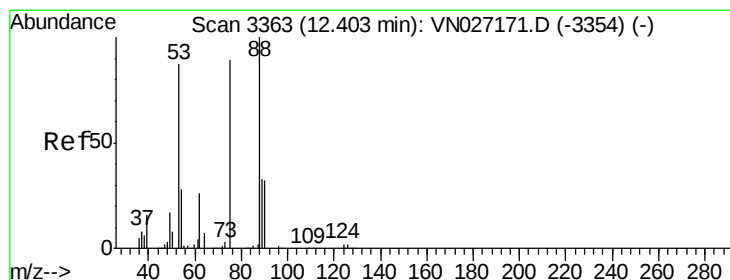
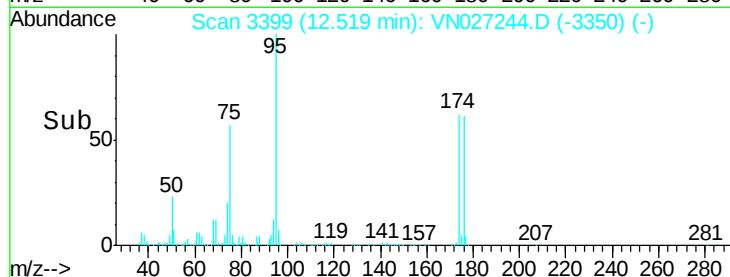
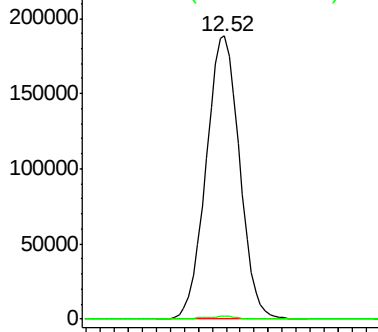
75 100

77 1.1 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#82

trans-1,4-Dichloro-2-butene

Concen: 70.39 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

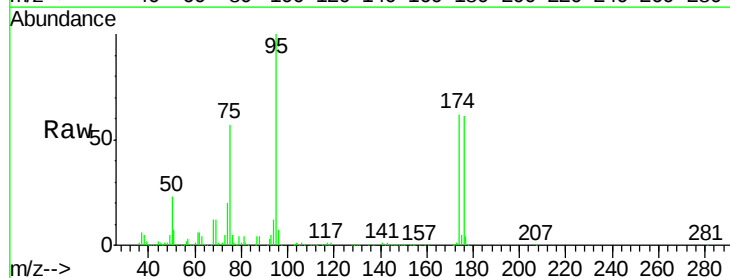
Tgt Ion: 75 Resp: 313641

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

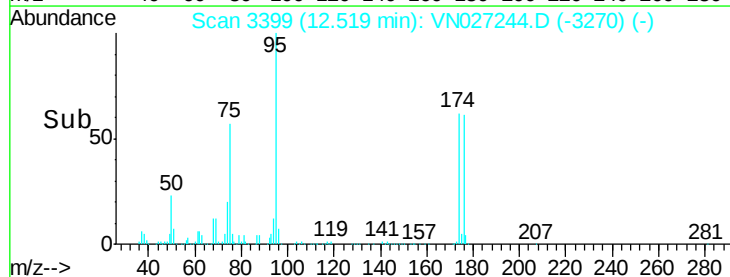
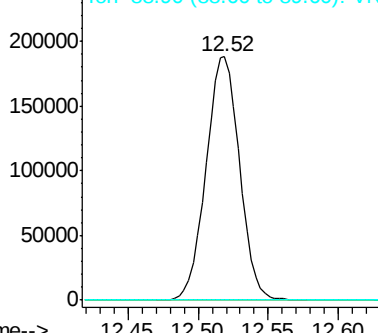
89 0.0 34.2 51.4#

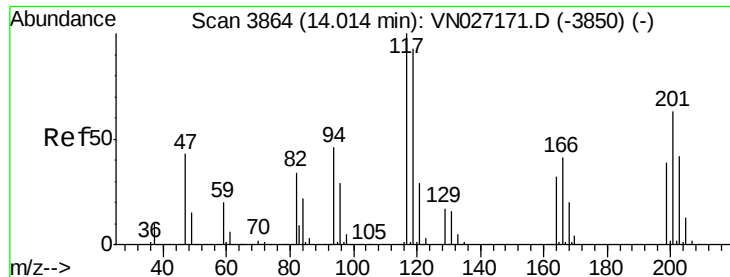


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#91

Hexachloroethane

Concen: 0.29 ug/l

RT: 13.76 min Scan# 3786

Delta R.T. -0.25 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

Instrument :

MSVOA_N

ClientSampleId :

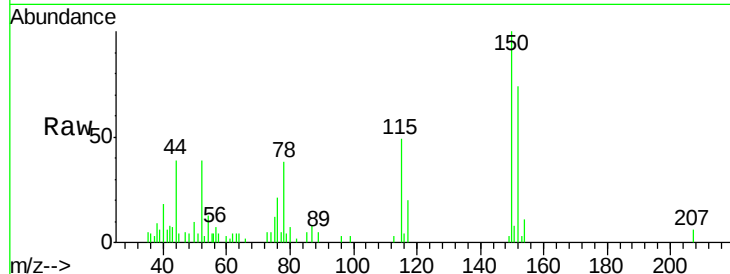
VN0917WBL01

Tgt Ion:117 Resp: 1898

Ion Ratio Lower Upper

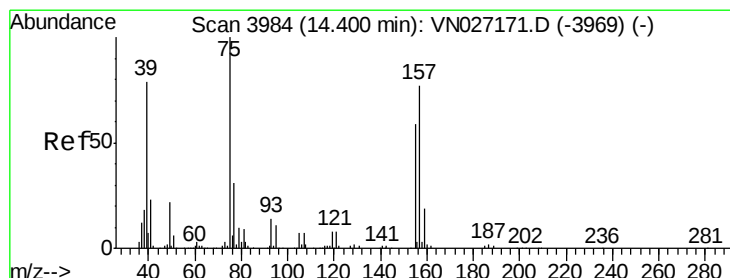
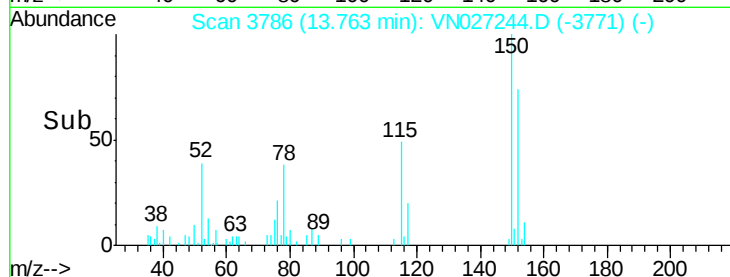
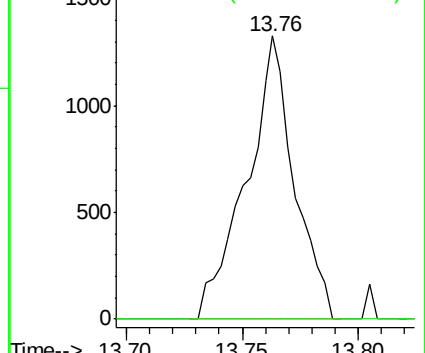
117 100

201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3945

Delta R.T. -0.12 min

Lab File: VN027244.D

Acq: 17 Sep 2015 10:06

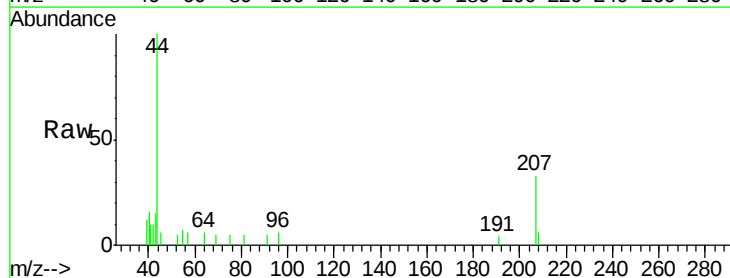
Tgt Ion: 75 Resp: 31

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): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

