

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027280.D
 Acq On : 18 Sep 2015 3:38
 Operator : MD\FY
 Sample : G3706-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Sep 18 06:45:31 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	742935	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1356199	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1139940	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	407978	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	749581	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
36) Dibromofluoromethane	7.68	113	488385	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
51) Toluene-d8	10.19	98	1958309	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
63) 4-Bromofluorobenzene	12.52	95	666776	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

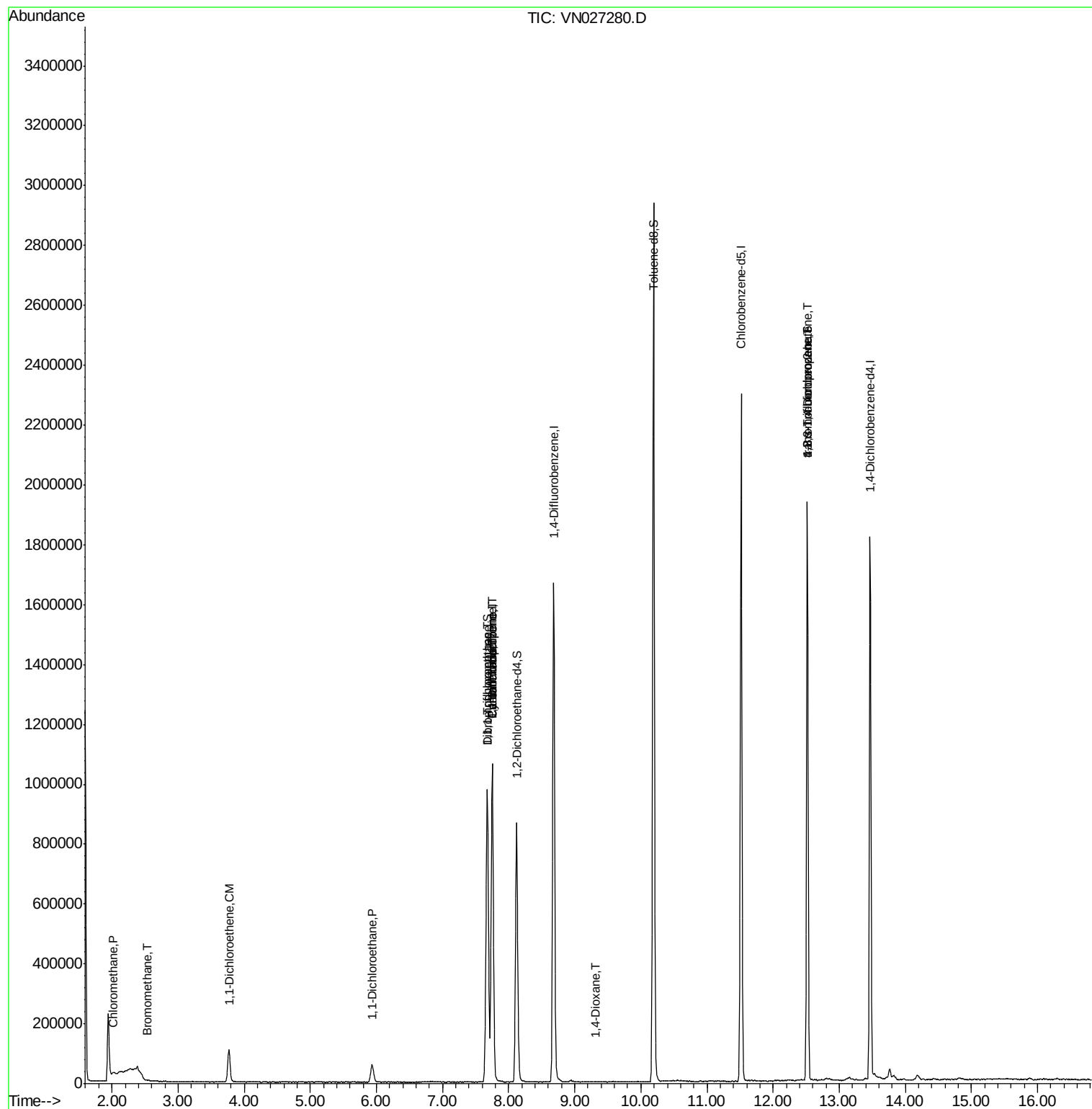
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1393	1.25	ug/l #	78
6) Bromomethane	2.53	94	230	1.64	ug/l #	4
13) 1,1-Dichloroethene	3.77	96	51281	5.38	ug/l	97
25) 1,1-Dichloroethane	5.93	63	90500	3.85	ug/l	99
32) Cyclohexane	7.75	56	24479	0.25	ug/l #	1
33) 1,1,1-Trichloroethane	7.67	97	279421	14.77	ug/l	96
37) 1,1-Dichloropropene	7.75	75	77163	4.86	ug/l #	51
38) Ethyl Acetate	7.01	43	111	Below	Cal #	71
39) Carbon Tetrachloride	7.75	117	82336	5.52	ug/l #	16
50) 1,4-Dioxane	9.31	88	133	0.90	ug/l #	1
76) 1,1,2,2-Tetrachloroethane	12.63	83	97	Below	Cal #	25
77) 1,2,3-Trichloropropane	12.52	75	385341	31.25	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	385341	76.76	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.37	75	29	Below	Cal #	1

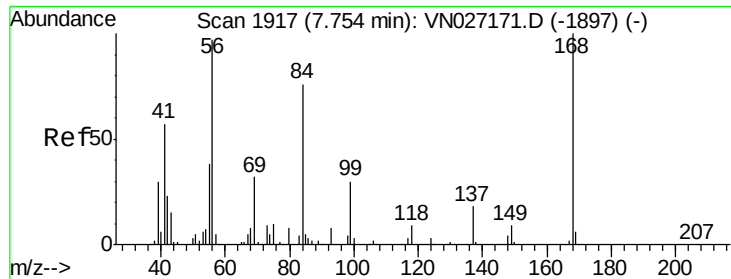
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampled :

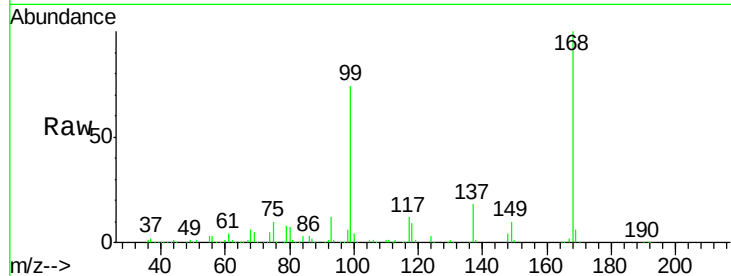
MW-3

Tgt Ion:168 Resp: 742935

Ion Ratio Lower Upper

168 100

99 73.7 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

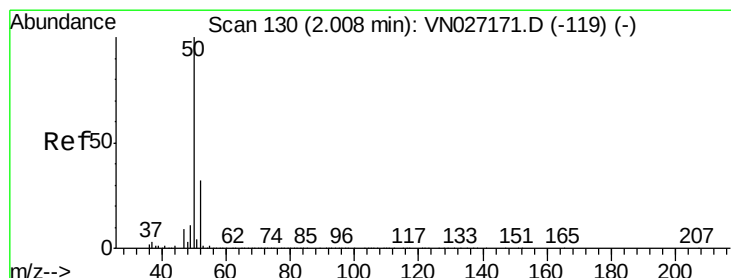
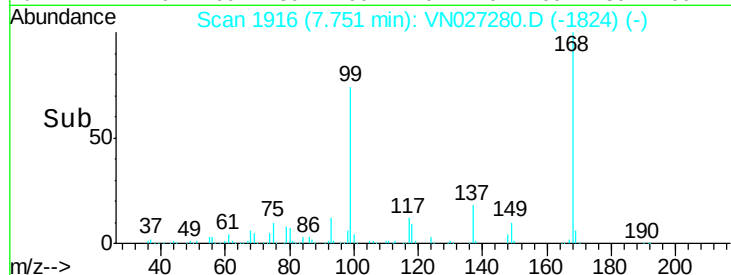
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.25 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027280.D

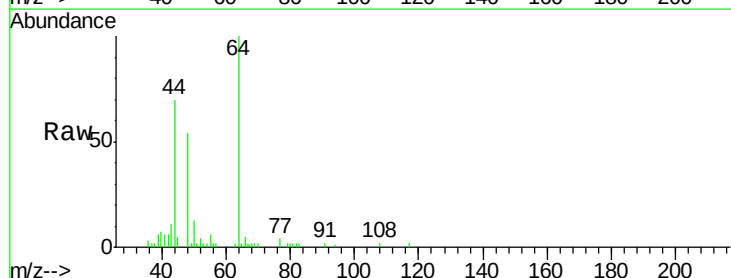
Acq: 18 Sep 2015 3:38

Tgt Ion: 50 Resp: 1393

Ion Ratio Lower Upper

50 100

52 44.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.01

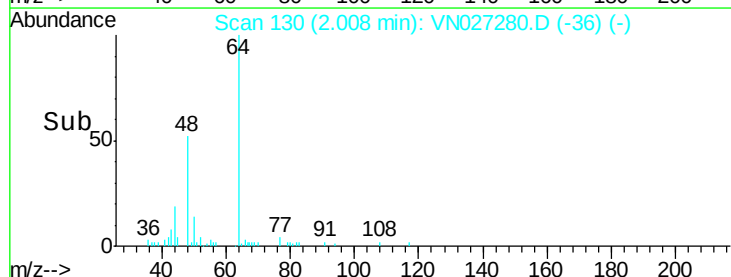
1500

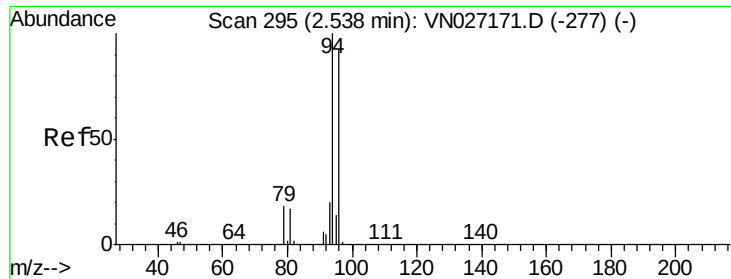
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.64 ug/l

RT: 2.53 min Scan# 293

Delta R.T. -0.01 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampleId :

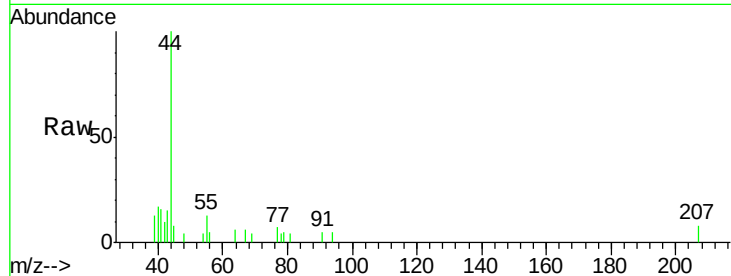
MW-3

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

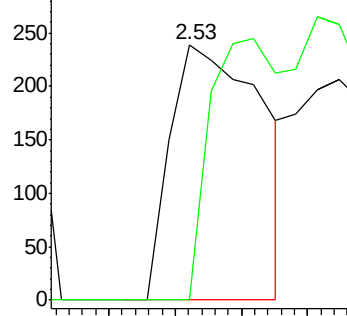
94 100

96 0.0 73.4 110.2#

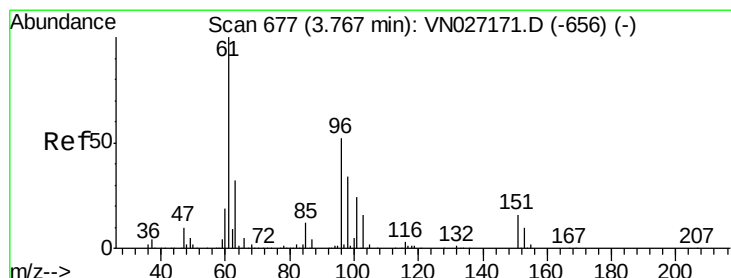
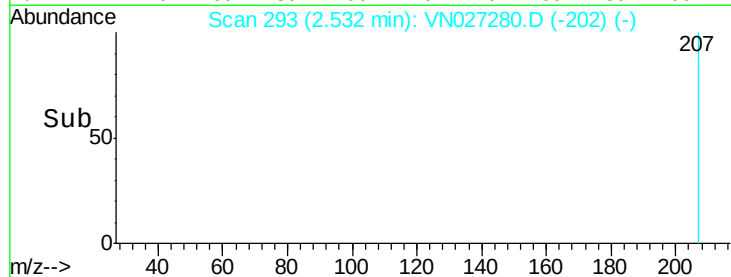


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#13

1,1-Dichloroethene

Concen: 5.38 ug/l

RT: 3.77 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

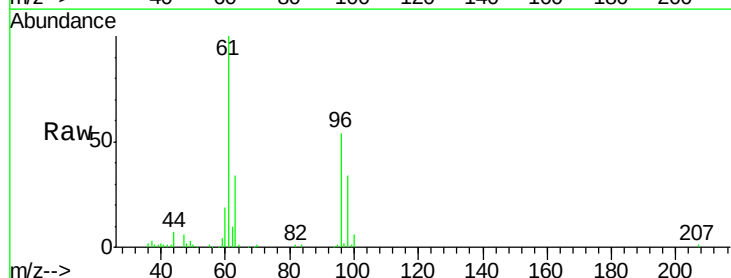
Tgt Ion: 96 Resp: 51281

Ion Ratio Lower Upper

96 100

61 185.1 143.8 215.8

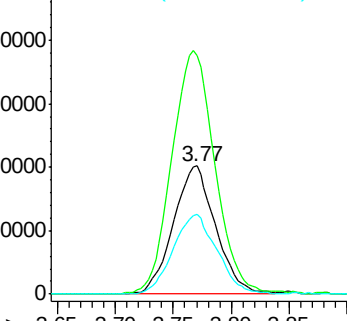
98 62.5 50.3 75.5



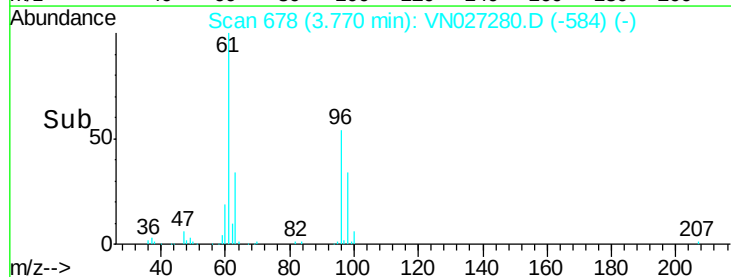
Abundance Ion 95.90 (95.60 to 96.60): VN0

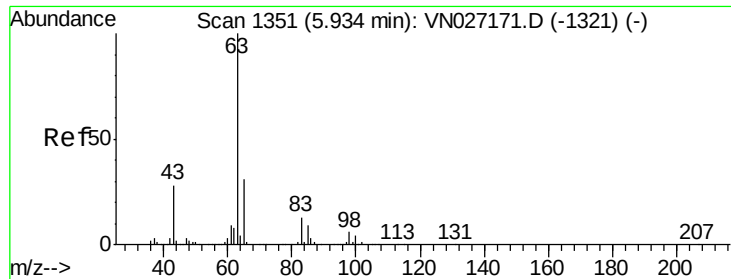
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->

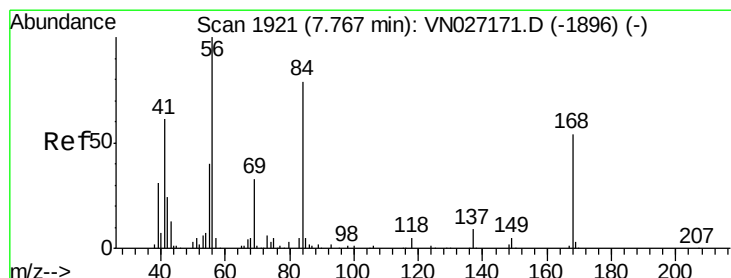
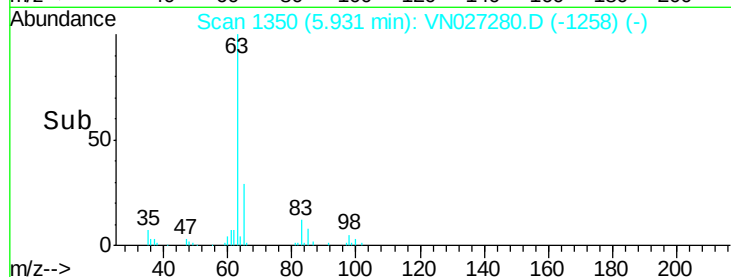
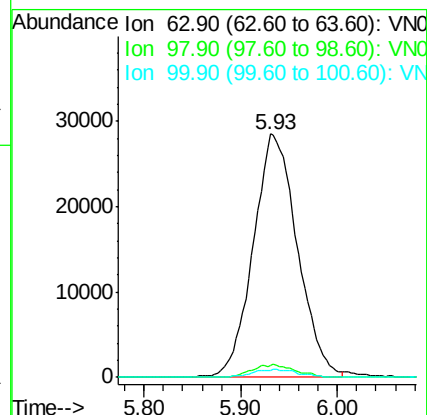
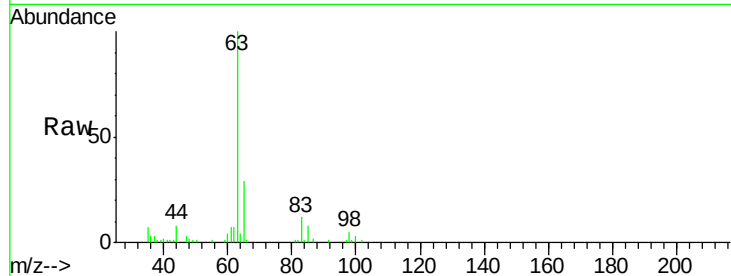




#25
 1,1-Dichloroethane
 Concen: 3.85 ug/l
 RT: 5.93 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VN027280.D
 Acq: 18 Sep 2015 3:38

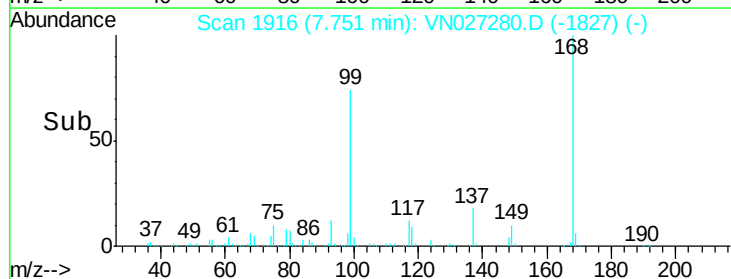
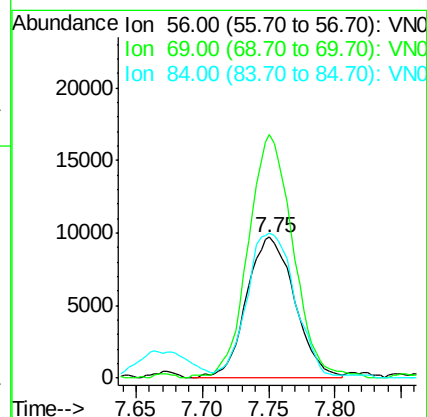
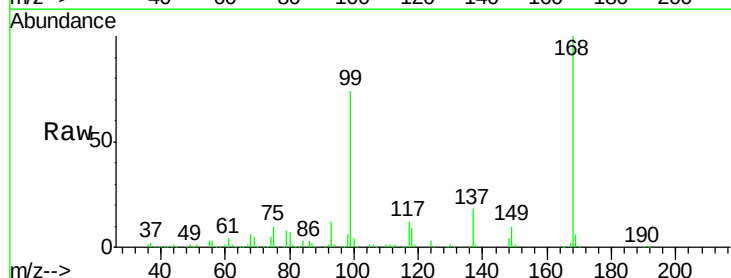
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

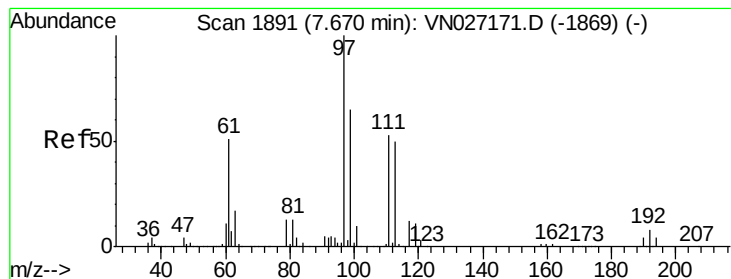
Tgt Ion: 63 Resp: 90500
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.8 8.3
 100 3.0 1.7 5.0



#32
 Cyclohexane
 Concen: 0.25 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.02 min
 Lab File: VN027280.D
 Acq: 18 Sep 2015 3:38

Tgt Ion: 56 Resp: 24479
 Ion Ratio Lower Upper
 56 100
 69 171.1 23.0 34.4#
 84 100.2 57.8 86.8#





#33

1,1,1-Trichloroethane

Concen: 14.77 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampled :

MW-3

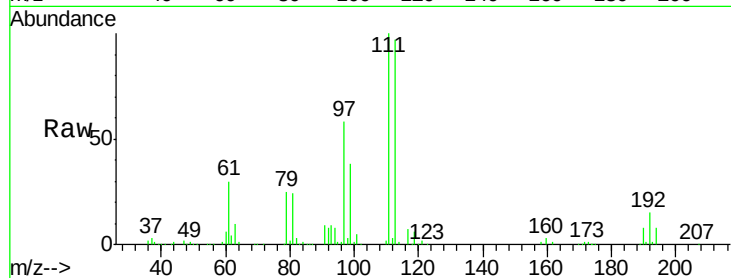
Tgt Ion: 97 Resp: 279421

Ion Ratio Lower Upper

97 100

99 64.6 50.1 75.1

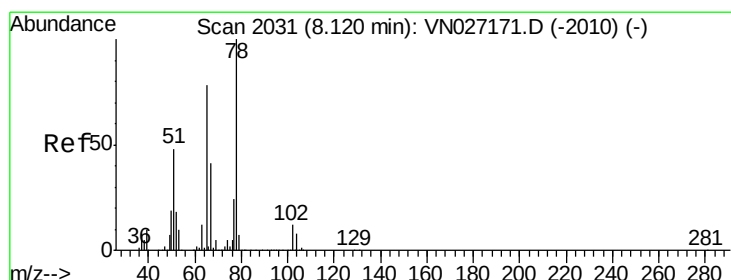
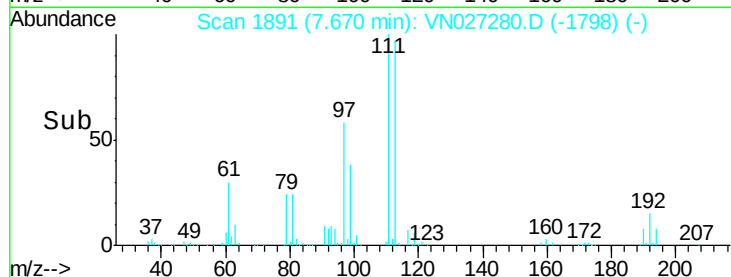
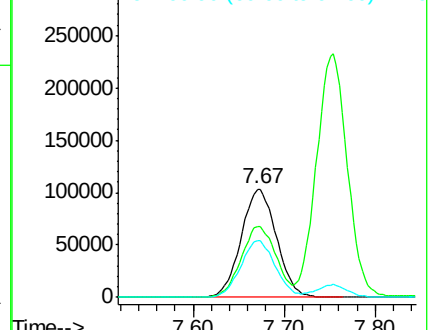
61 51.1 44.0 66.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#34

1,2-Dichloroethane-d4

Concen: 49.24 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027280.D

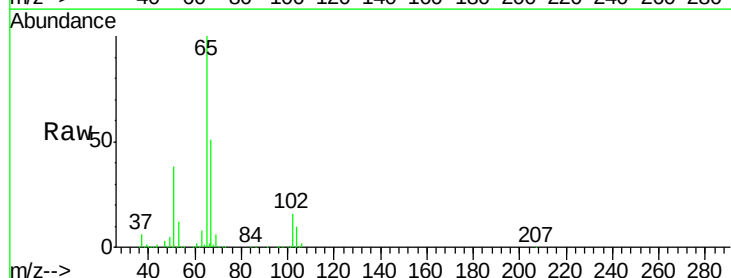
Acq: 18 Sep 2015 3:38

Tgt Ion: 65 Resp: 749581

Ion Ratio Lower Upper

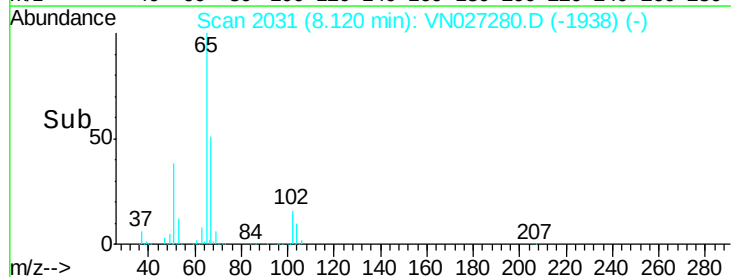
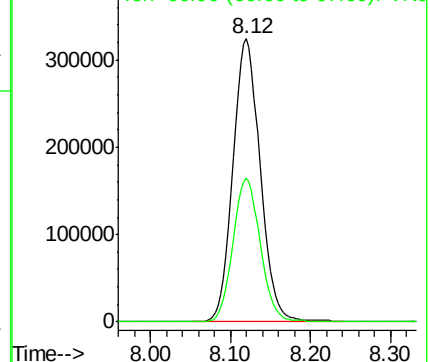
65 100

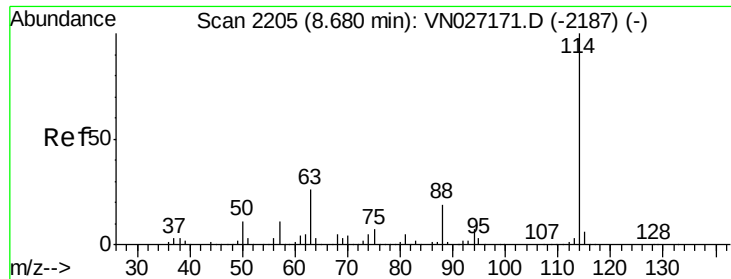
67 50.9 0.0 110.6



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# 2206

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampled :

MW-3

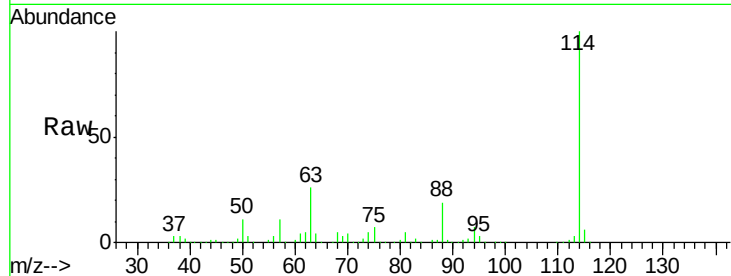
Tgt Ion:114 Resp: 1356199

Ion Ratio Lower Upper

114 100

63 26.4 0.0 48.8

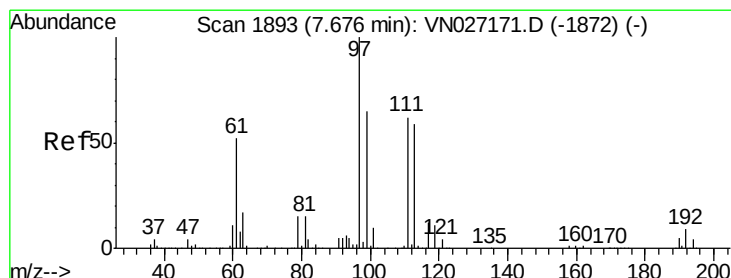
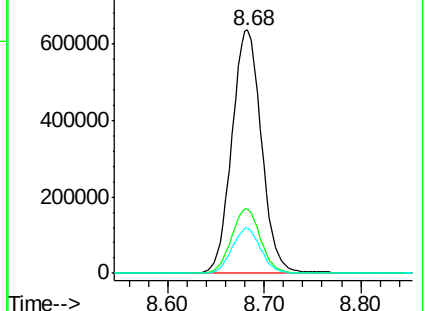
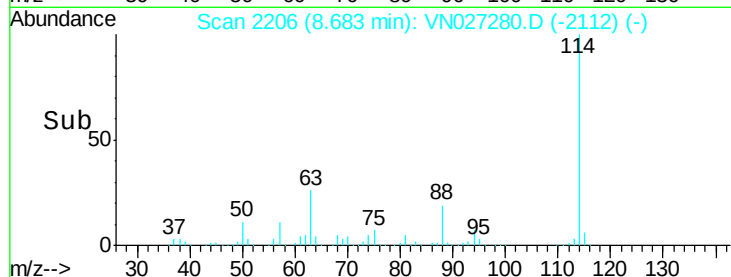
88 18.6 0.0 32.2



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: 51.95 ug/l

RT: 7.68 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

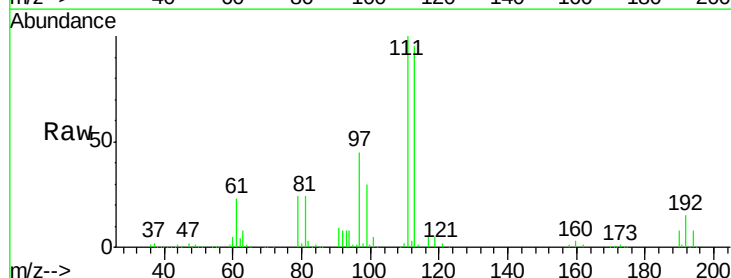
Tgt Ion:113 Resp: 488385

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.4

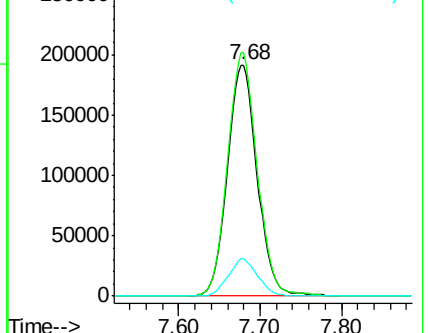
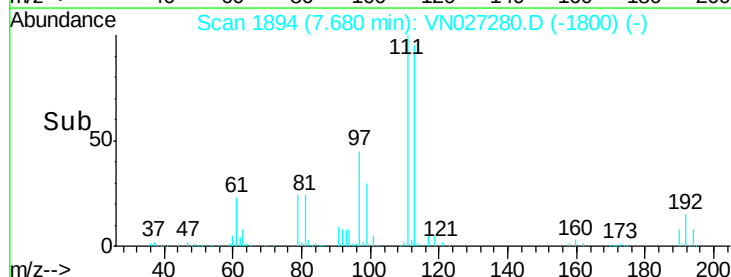
192 15.9 14.1 21.1

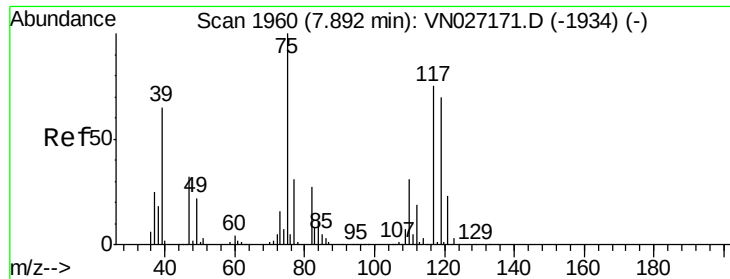


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

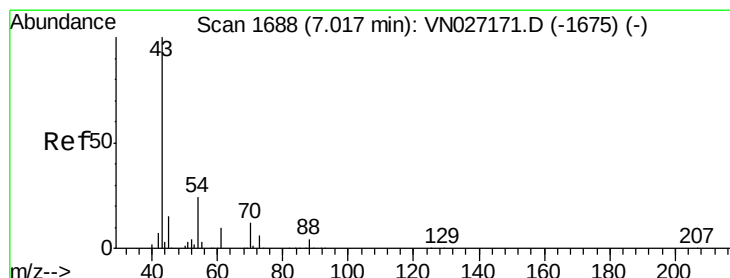
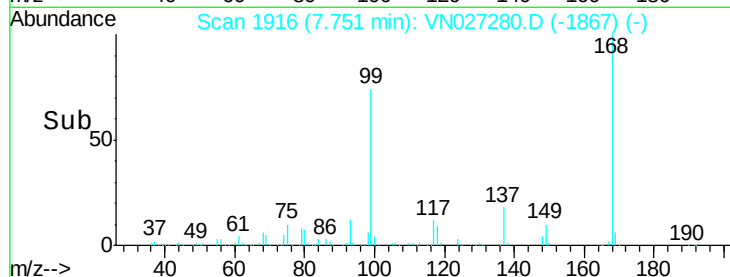
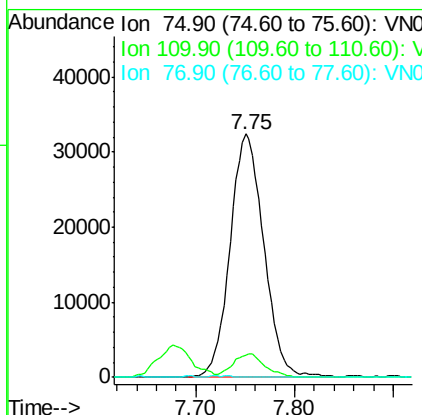
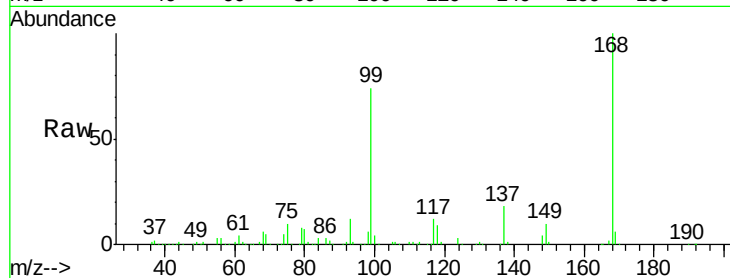




#37
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027280.D
 Acq: 18 Sep 2015 3:38

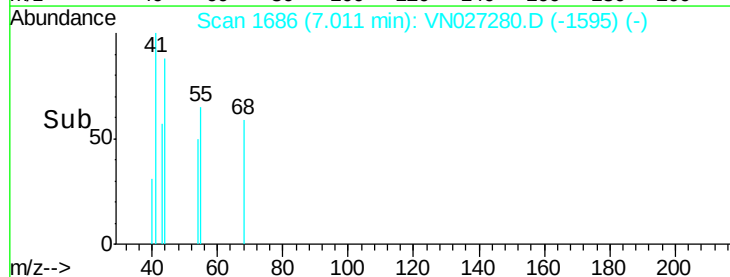
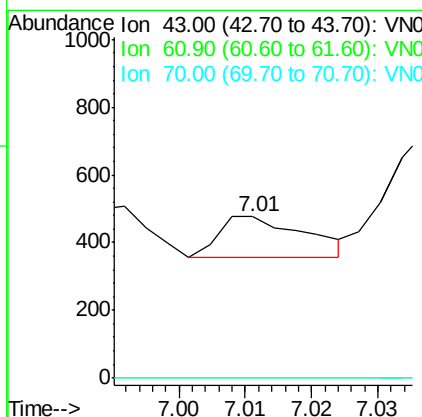
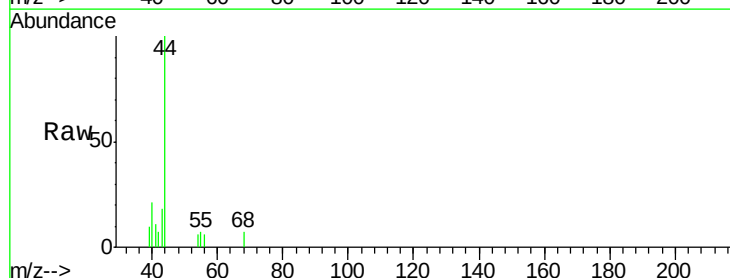
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

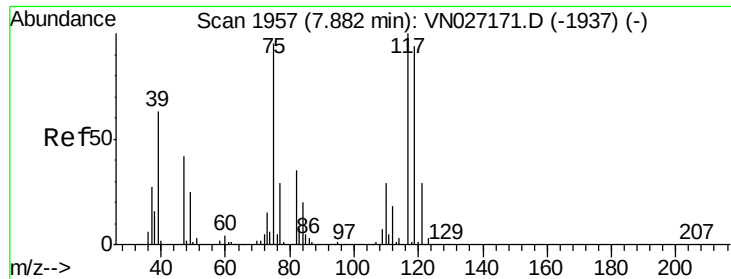
Tgt Ion: 75 Resp: 77163
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.01 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: VN027280.D
 Acq: 18 Sep 2015 3:38

Tgt Ion: 43 Resp: 111
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#

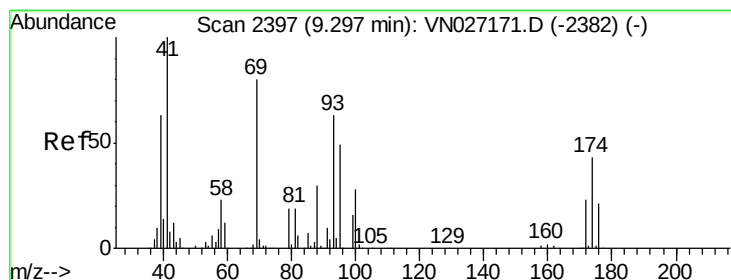
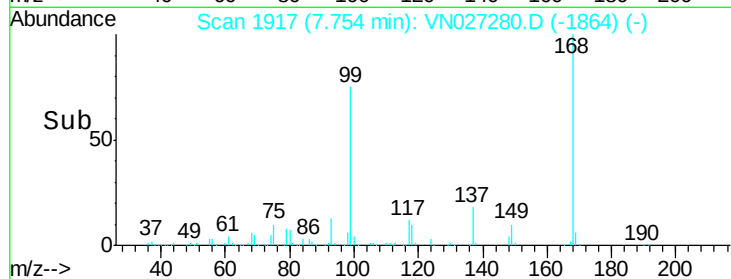
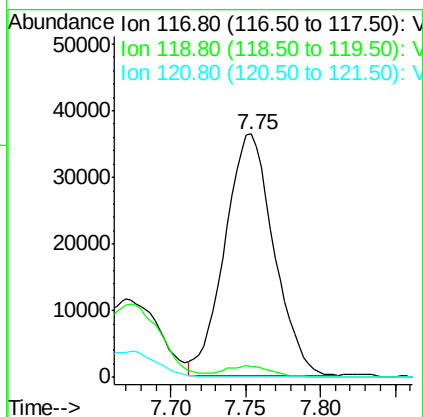
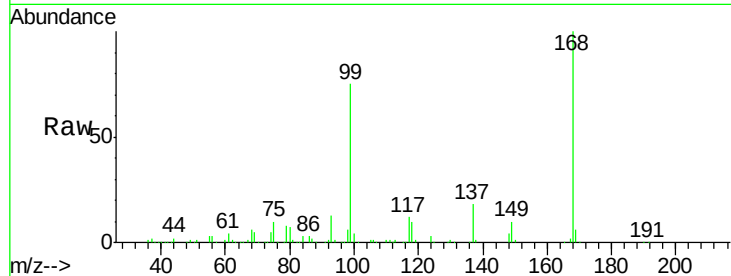




#39
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027280.D
Acq: 18 Sep 2015 3:38

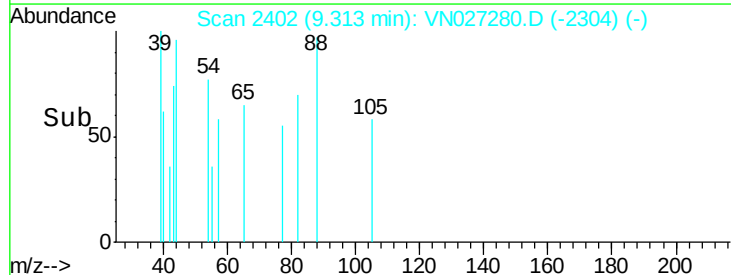
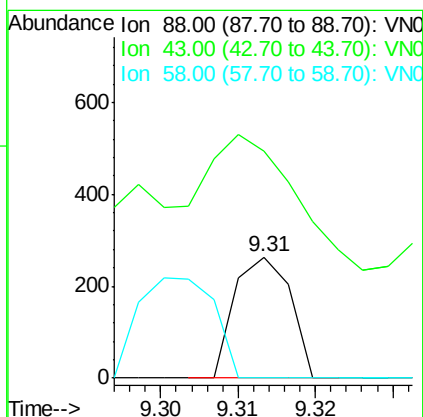
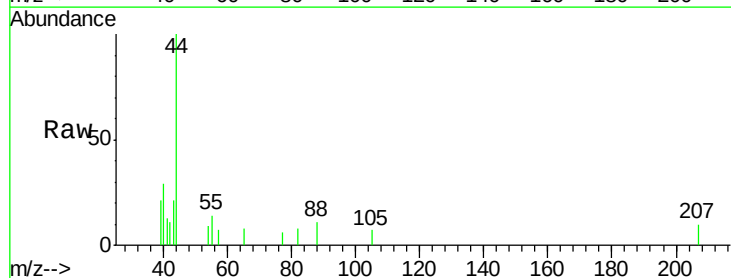
Instrument :
MSVOA_N
ClientSampled :
MW-3

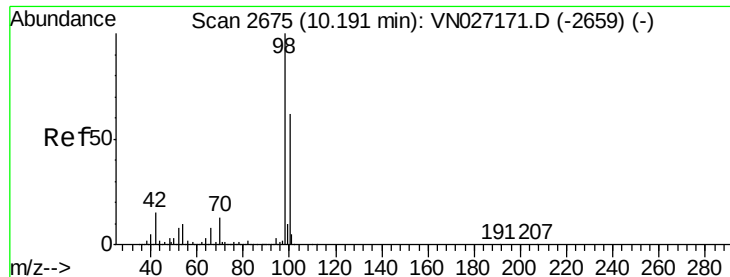
Tgt Ion: 117 Resp: 82336
Ion Ratio Lower Upper
117 100
119 4.7 75.3 112.9#
121 0.0 23.8 35.8#



#50
1,4-Dioxane
Concen: 0.90 ug/l
RT: 9.31 min Scan# 2402
Delta R.T. 0.02 min
Lab File: VN027280.D
Acq: 18 Sep 2015 3:38

Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 185.7 27.6 41.4#
58 0.0 63.1 94.7#





#51

Toluene-d8

Concen: 53.20 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampled :

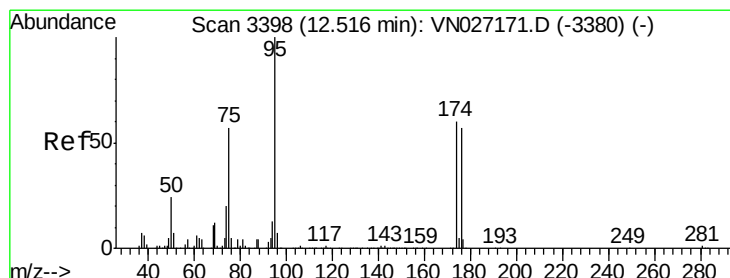
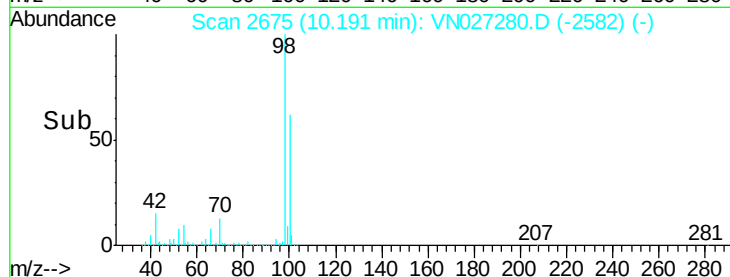
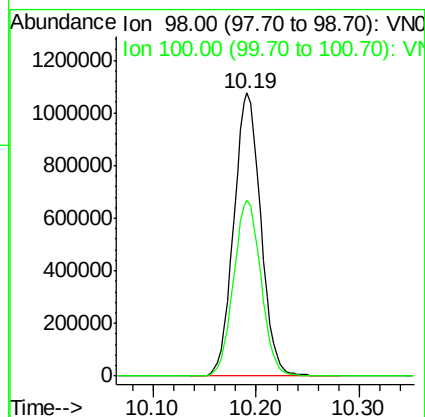
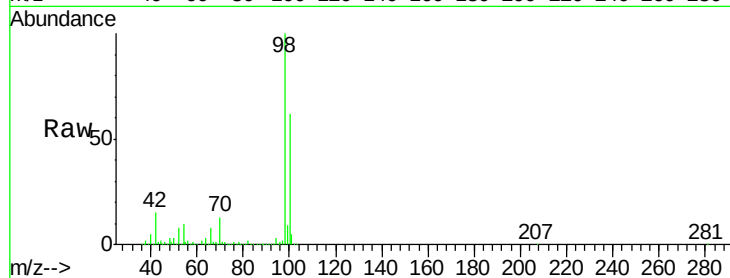
MW-3

Tgt Ion: 98 Resp: 1958309

Ion Ratio Lower Upper

98 100

100 63.0 50.5 75.7



#63

4-Bromofluorobenzene

Concen: 51.04 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

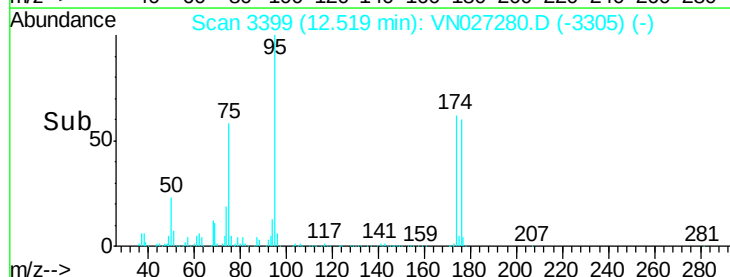
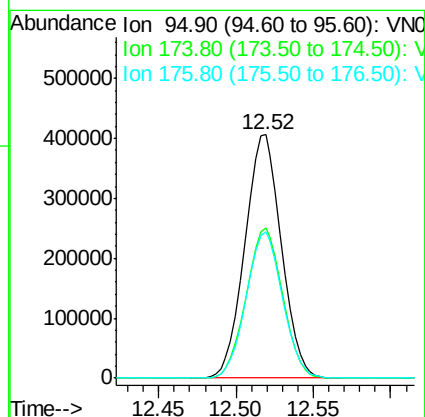
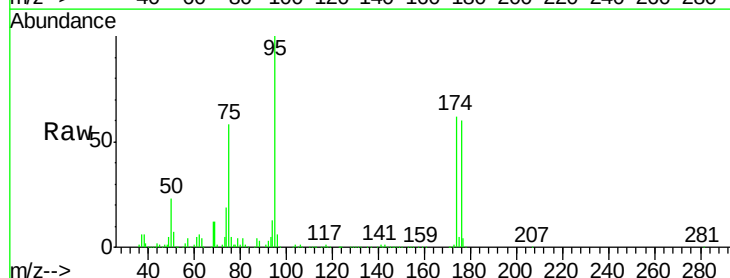
Tgt Ion: 95 Resp: 666776

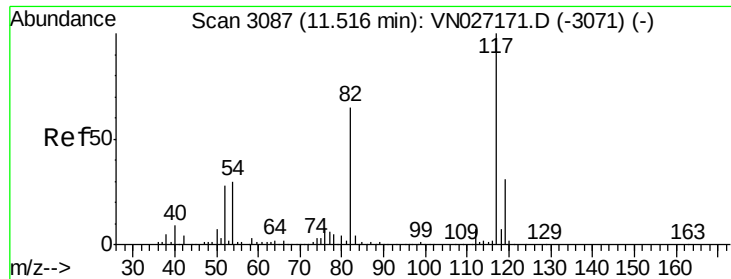
Ion Ratio Lower Upper

95 100

174 61.7 0.0 137.0

176 60.0 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: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampleId :

MW-3

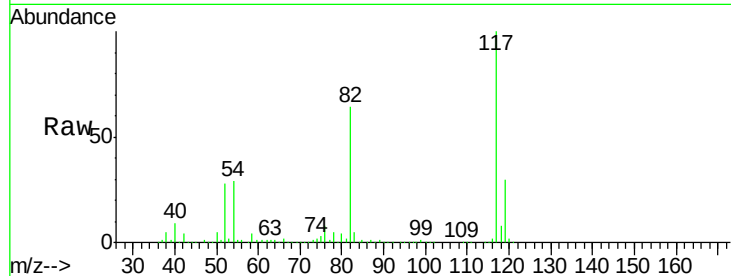
Tgt Ion:117 Resp: 1139940

Ion Ratio Lower Upper

117 100

82 64.1 49.6 74.4

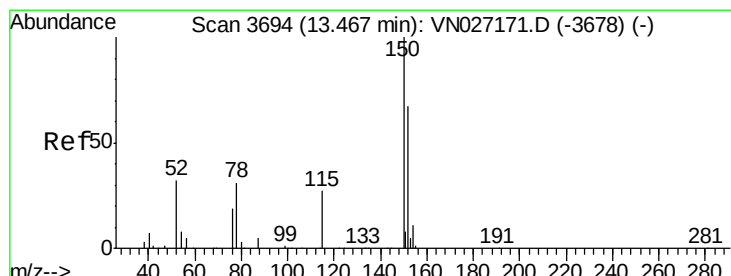
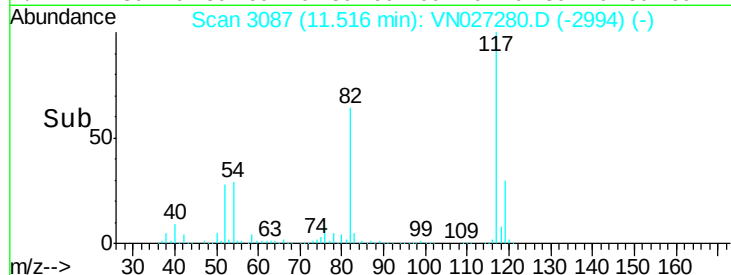
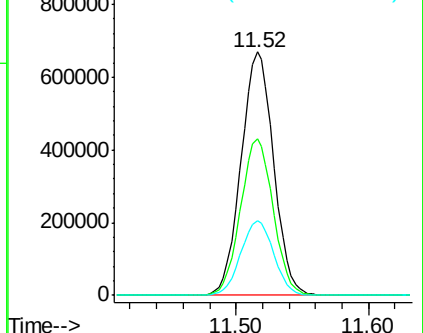
119 30.5 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

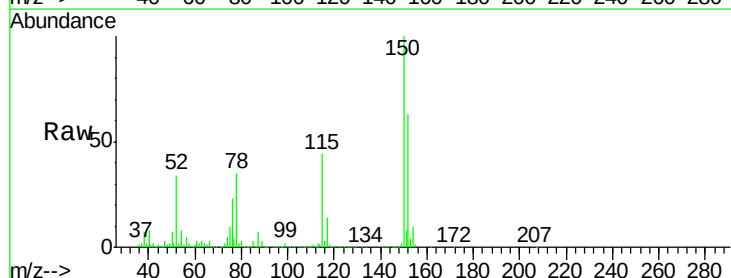
Tgt Ion:152 Resp: 407978

Ion Ratio Lower Upper

152 100

115 68.0 30.8 92.3

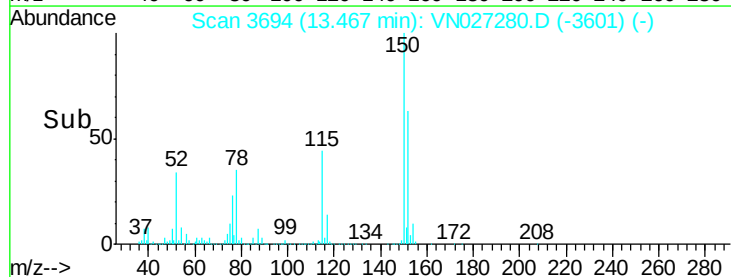
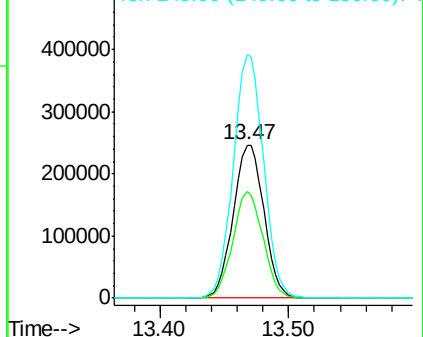
150 156.7 0.0 345.0

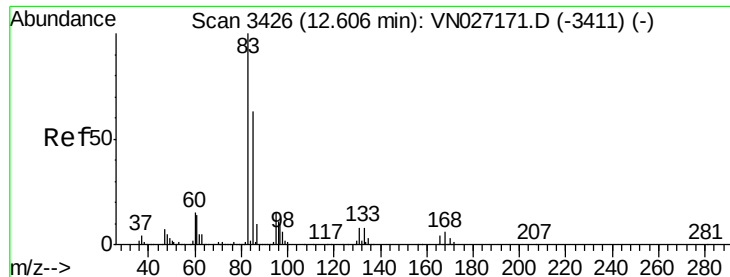


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.63 min Scan# 3432

Delta R.T. 0.02 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampled :

MW-3

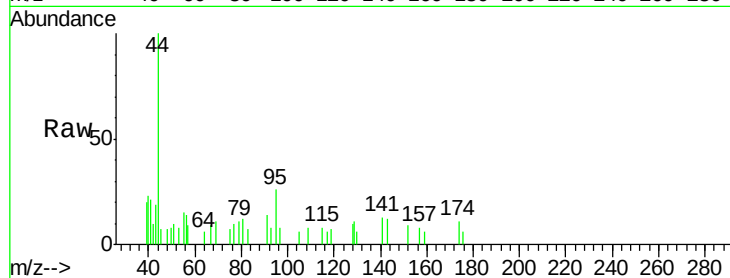
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

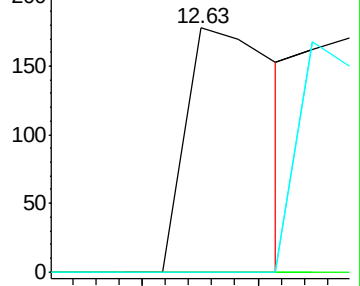
85 0.0 31.9 95.7#



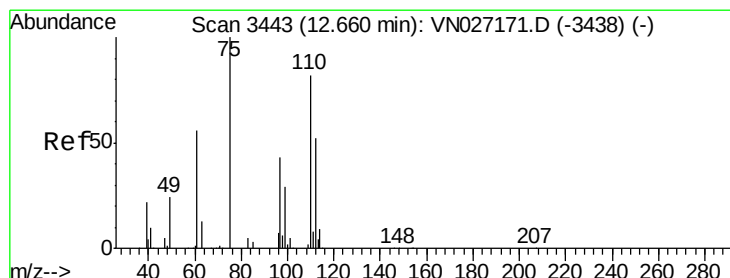
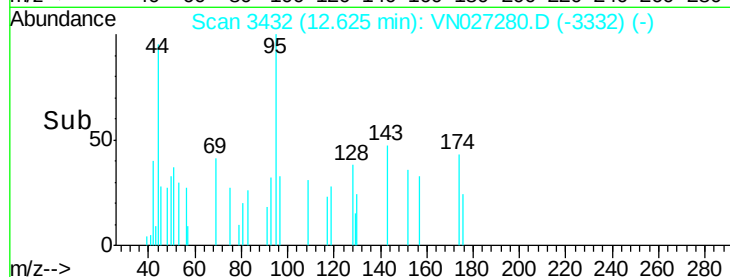
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#77

1,2,3-Trichloropropane

Concen: 31.25 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027280.D

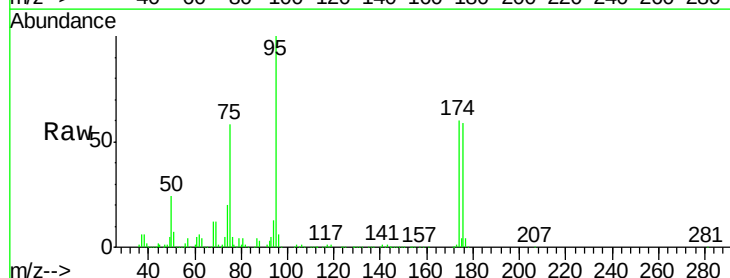
Acq: 18 Sep 2015 3:38

Tgt Ion: 75 Resp: 385341

Ion Ratio Lower Upper

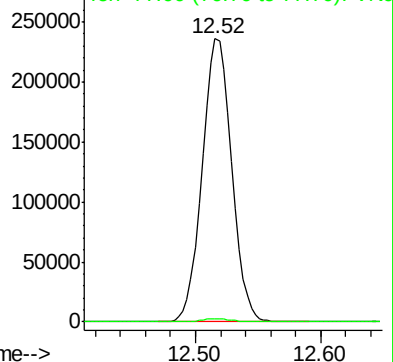
75 100

77 1.2 103.1 309.3#

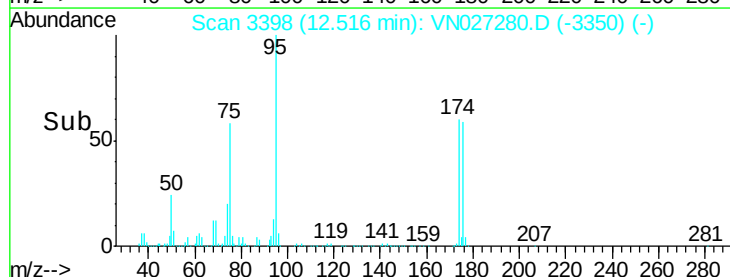


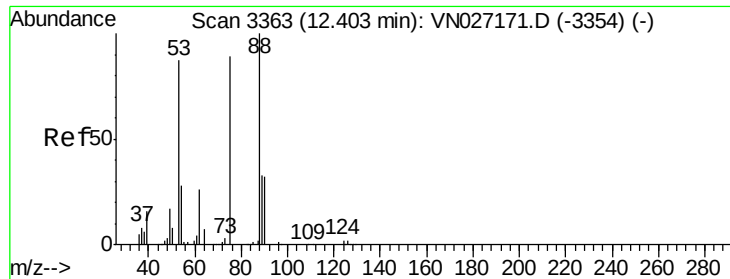
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#82

trans-1,4-Dichloro-2-butene

Concen: 76.76 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

Instrument :

MSVOA_N

ClientSampleId :

MW-3

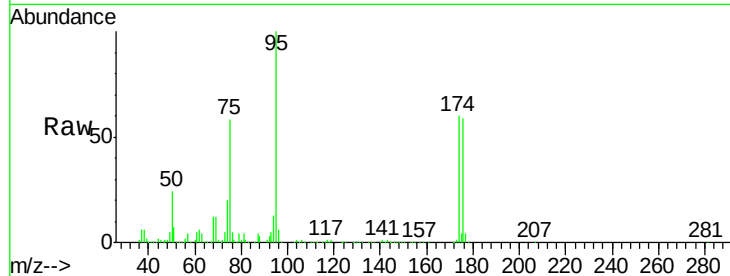
Tgt Ion: 75 Resp: 385341

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

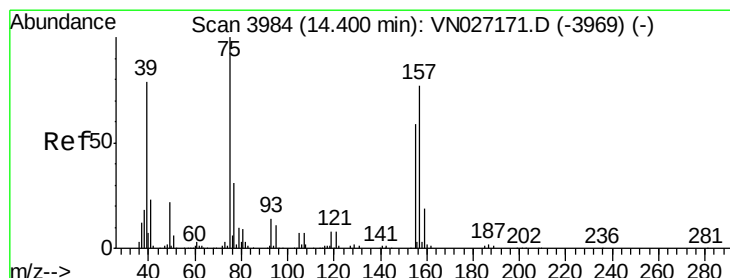
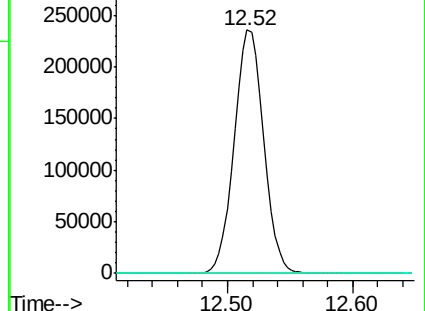
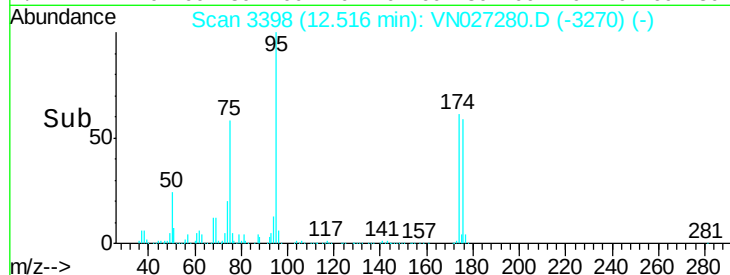
89 0.0 34.2 51.4#



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



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.37 min Scan# 3976

Delta R.T. -0.02 min

Lab File: VN027280.D

Acq: 18 Sep 2015 3:38

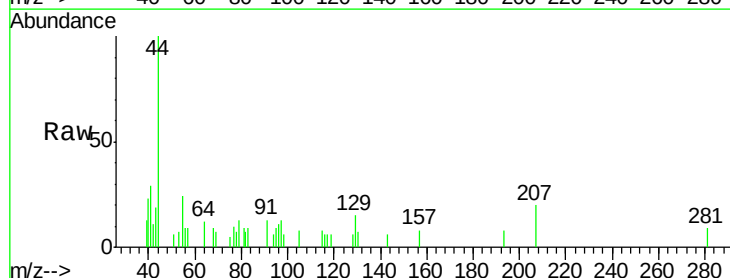
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 624.1 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

