

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027257.D
 Acq On : 17 Sep 2015 16:08
 Operator : MD\FY
 Sample : G3704-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1-9-15-15

Quant Time: Sep 18 01:15:06 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	747711	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1332626	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1096438	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	375330	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	739379	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
36) Dibromofluoromethane	7.68	113	477461	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
51) Toluene-d8	10.19	98	1916121	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
63) 4-Bromofluorobenzene	12.52	95	628677	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	

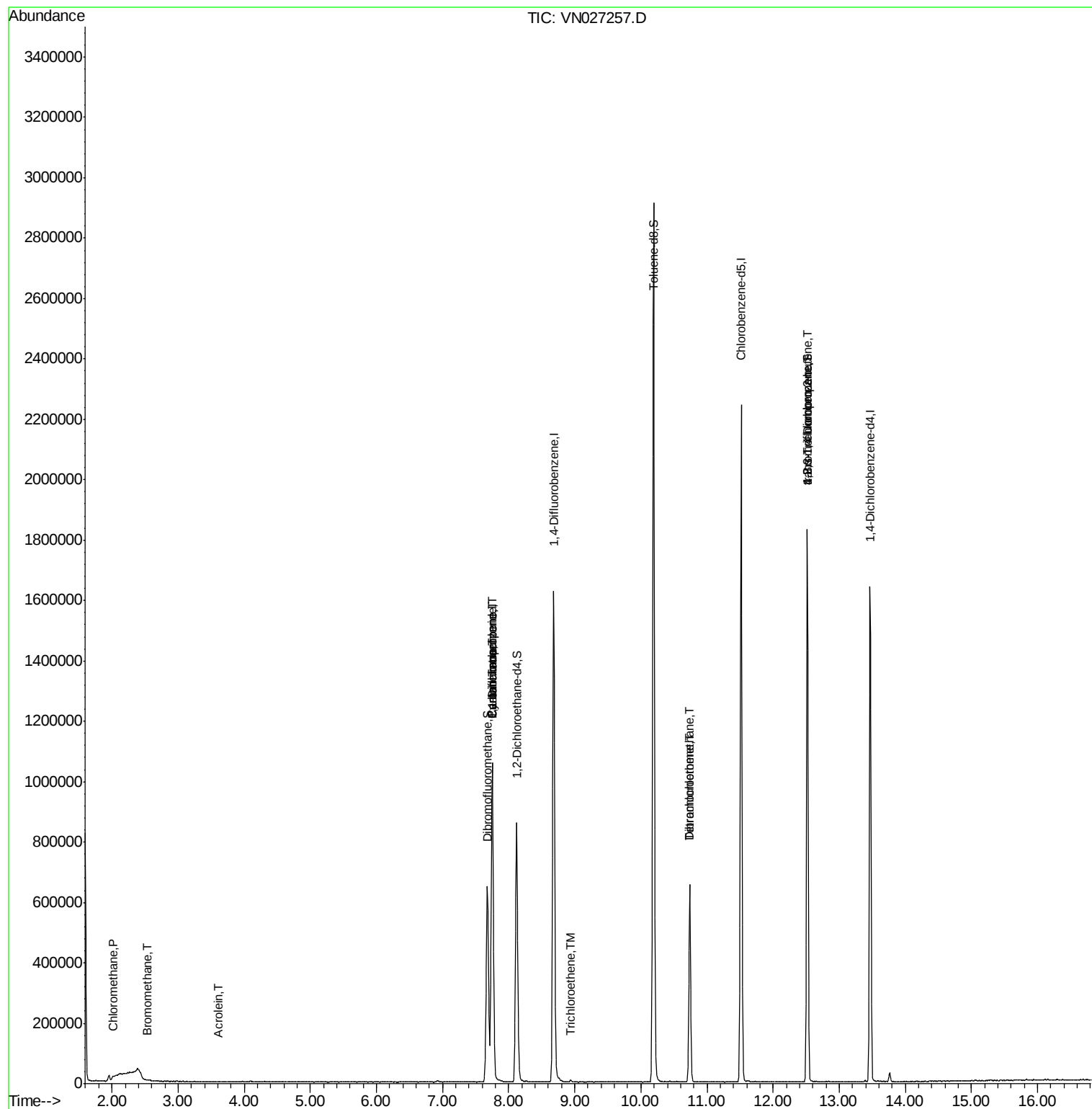
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1230	1.23	ug/l #	79
6) Bromomethane	2.55	94	425	1.68	ug/l #	58
14) Acrolein	3.61	56	386	0.22	ug/l #	73
32) Cyclohexane	7.75	56	23753	0.21	ug/l #	11
37) 1,1-Dichloropropene	7.75	75	77376	4.96	ug/l #	50
38) Ethyl Acetate	7.02	43	135	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	83949	5.72	ug/l #	16
45) Trichloroethene	8.93	130	2087	0.23	ug/l	65
61) Dibromochloromethane	10.74	129	134217	13.12	ug/l #	10
65) Tetrachloroethene	10.74	164	130328	18.59	ug/l	93
76) 1,1,2,2-Tetrachloroethane	12.52	83	988	Below Cal	#	3
77) 1,2,3-Trichloropropane	12.52	75	358212	31.58	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	358212	77.57	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.23	75	109	Below Cal	#	9

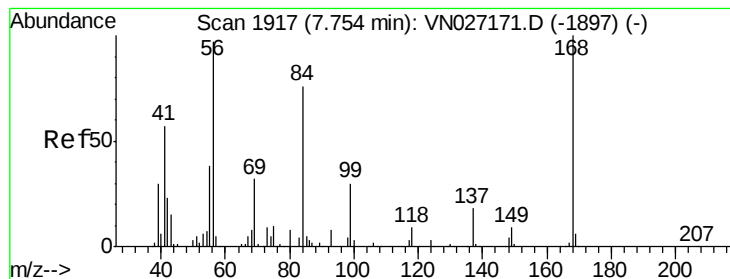
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1917

Delta R.T. 0.00 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampled :

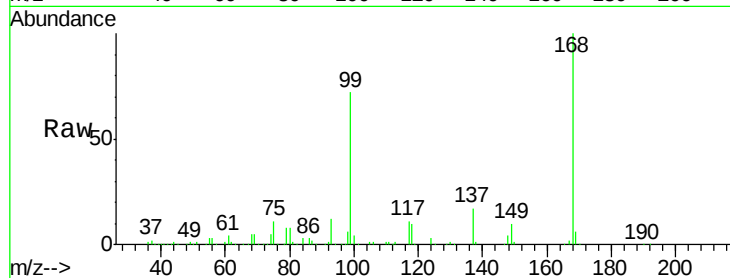
MW-1-9-15-15

Tgt Ion:168 Resp: 747711

Ion Ratio Lower Upper

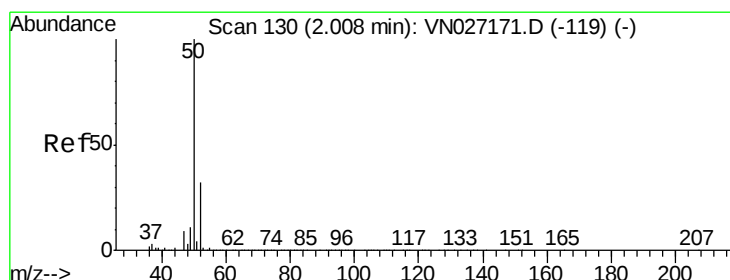
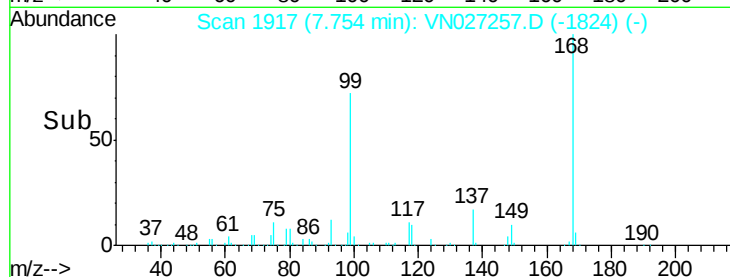
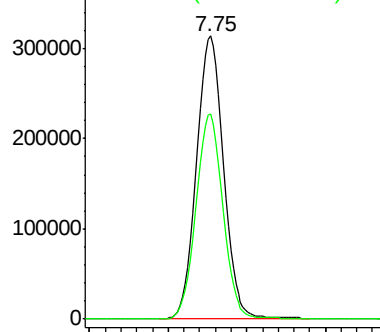
168 100

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



#4

Chloromethane

Concen: 1.23 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027257.D

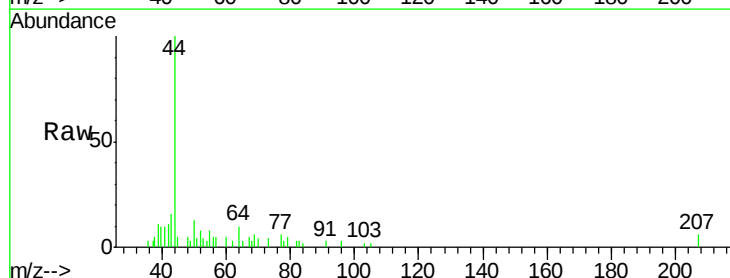
Acq: 17 Sep 2015 16:08

Tgt Ion: 50 Resp: 1230

Ion Ratio Lower Upper

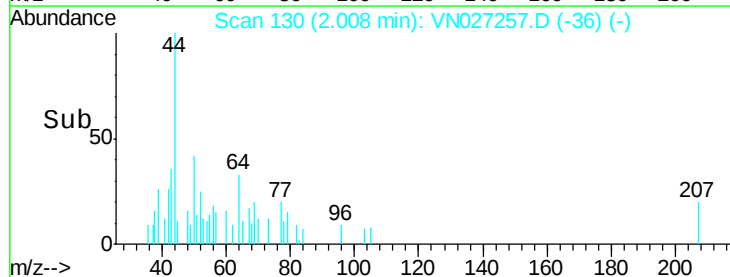
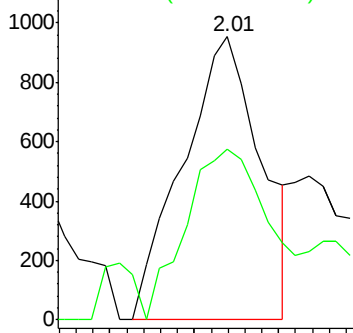
50 100

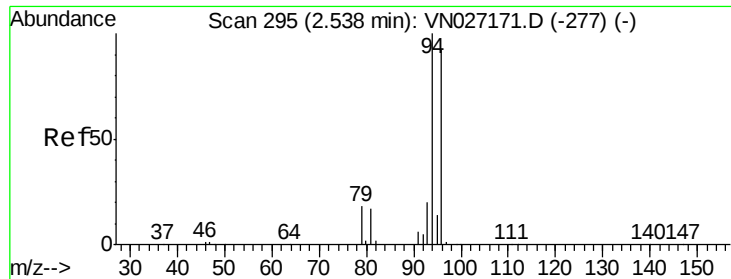
52 44.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 1.68 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampled :

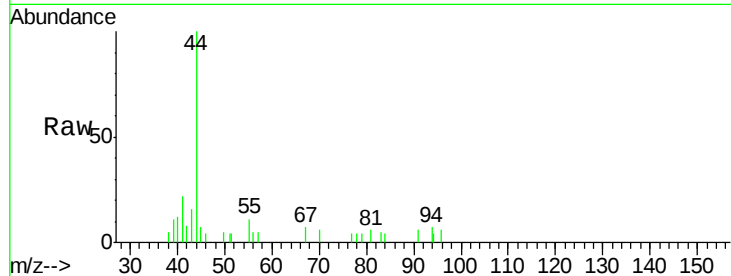
MW-1-9-15-15

Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

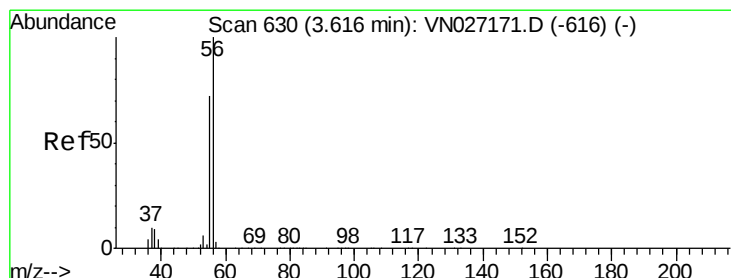
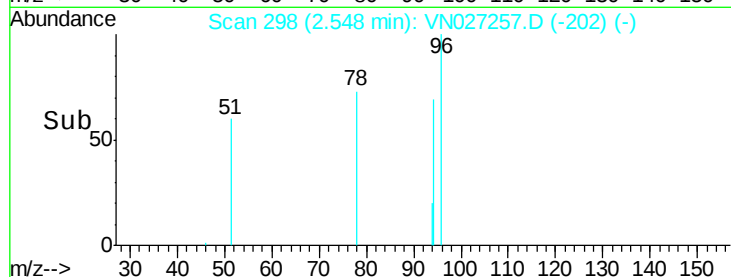
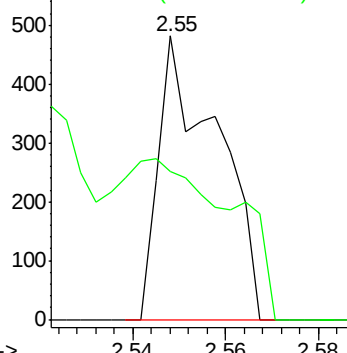
94 100

96 52.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#14

Acrolein

Concen: 0.22 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN027257.D

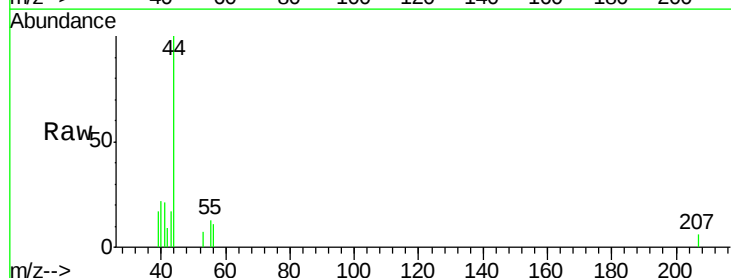
Acq: 17 Sep 2015 16:08

Tgt Ion: 56 Resp: 386

Ion Ratio Lower Upper

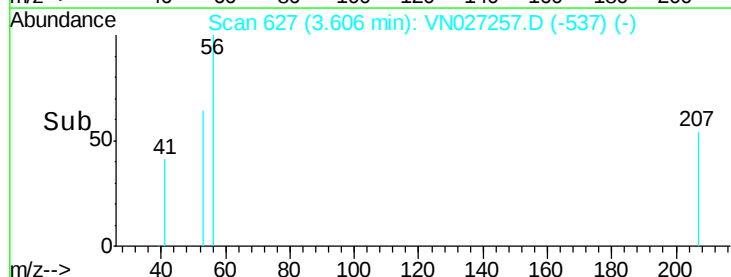
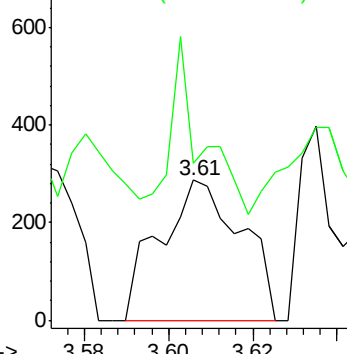
56 100

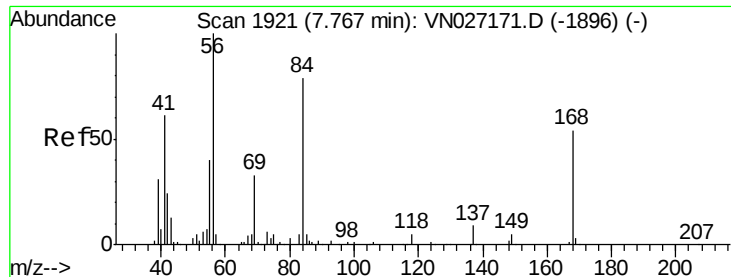
55 47.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

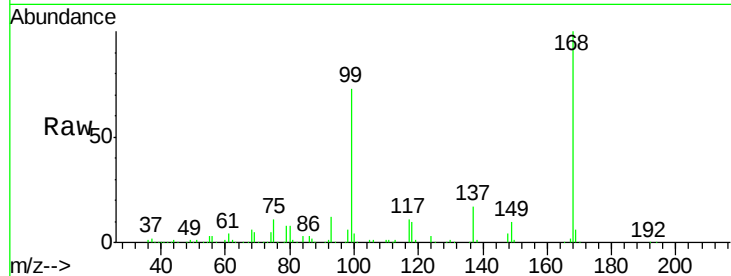




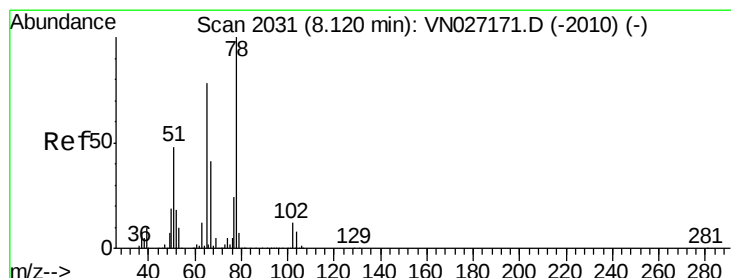
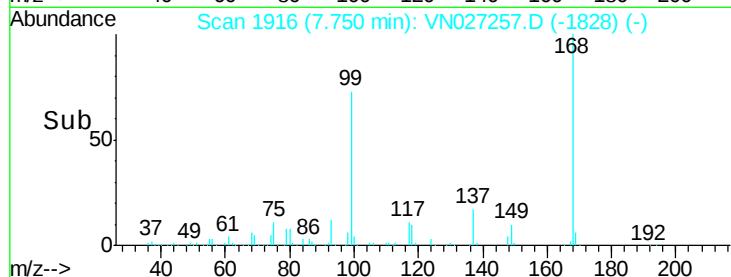
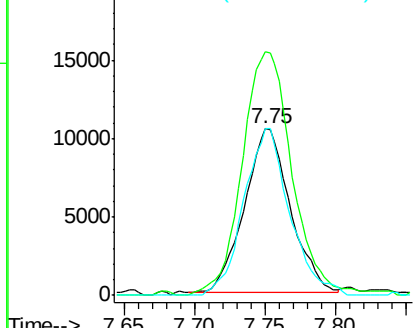
#32
Cyclohexane
Concen: 0.21 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

Instrument :
MSVOA_N
ClientSampled :
MW-1-9-15-15

Tgt Ion: 56 Resp: 23753
Ion Ratio Lower Upper
56 100
69 148.7 23.0 34.4#
84 101.6 57.8 86.8#

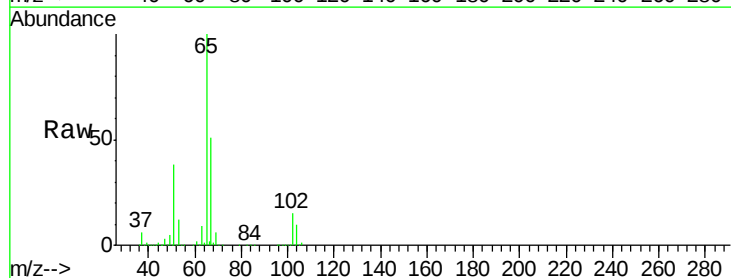


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

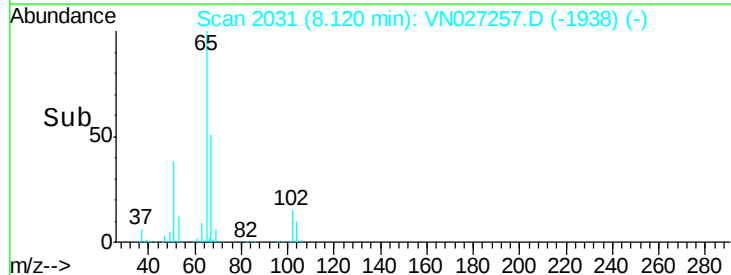
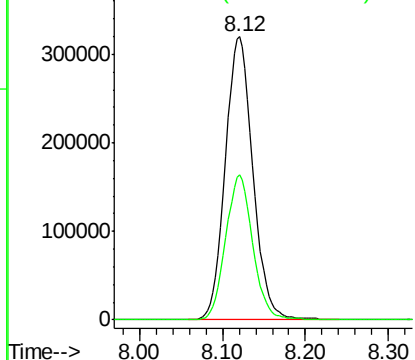


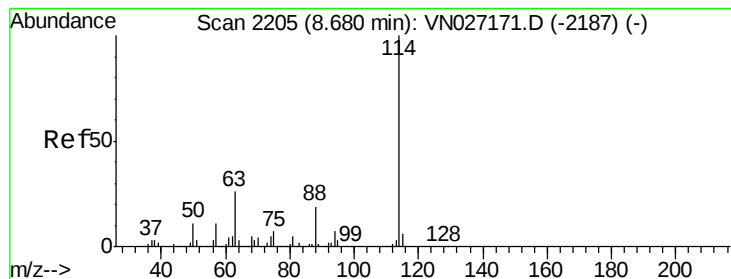
#34
1,2-Dichloroethane-d4
Concen: 48.26 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

Tgt Ion: 65 Resp: 739379
Ion Ratio Lower Upper
65 100
67 50.5 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: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampleId :

MW-1-9-15-15

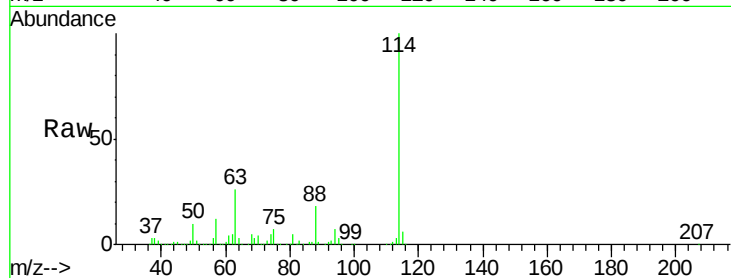
Tgt Ion:114 Resp: 1332626

Ion Ratio Lower Upper

114 100

63 25.7 0.0 48.8

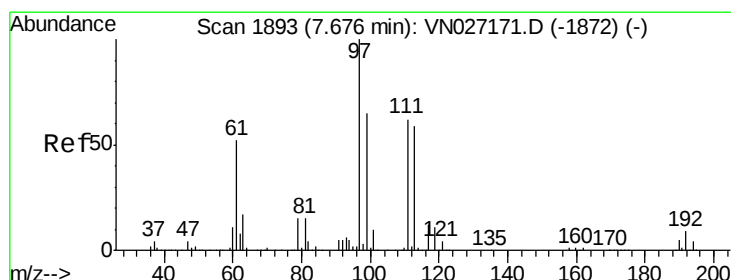
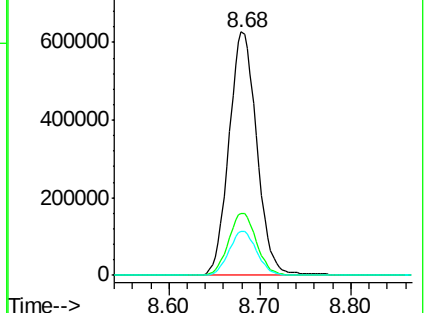
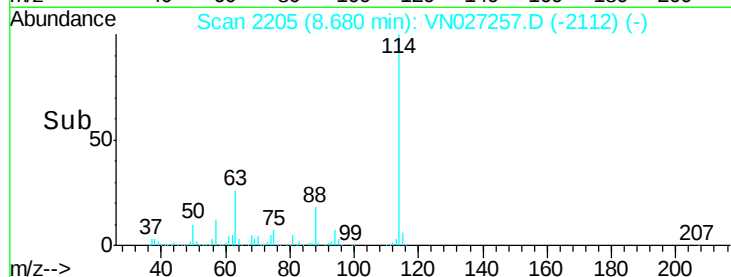
88 18.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#36

Dibromofluoromethane

Concen: 51.69 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

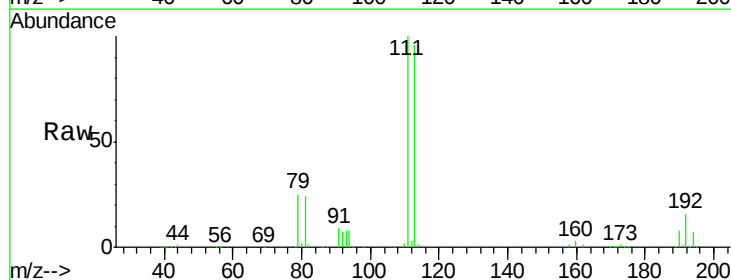
Tgt Ion:113 Resp: 477461

Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.4

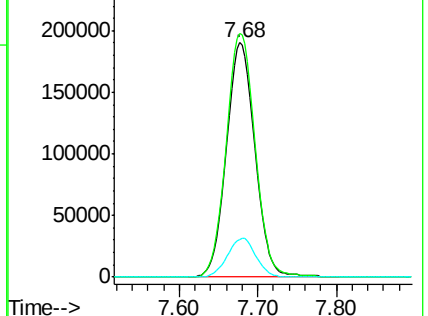
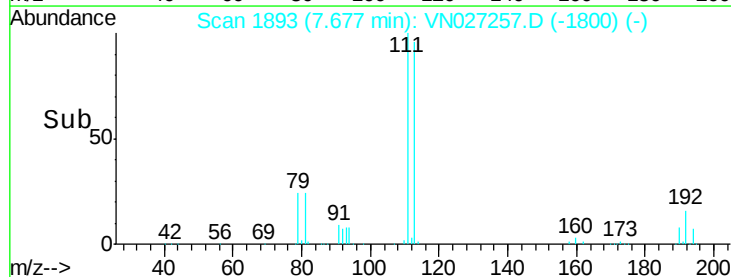
192 16.5 14.1 21.1

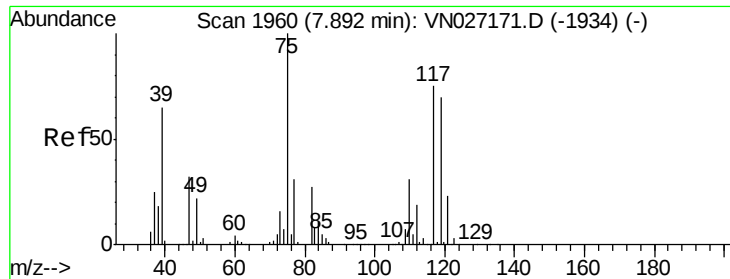


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

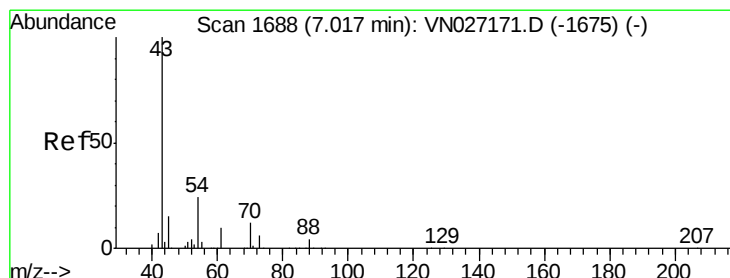
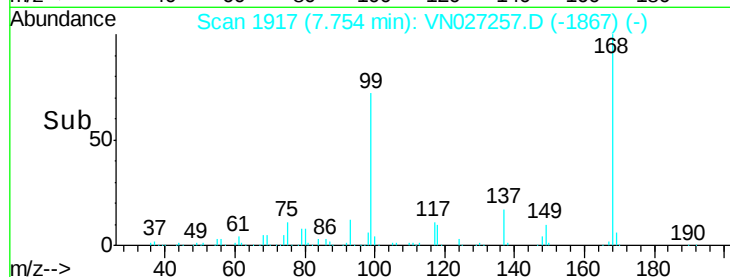
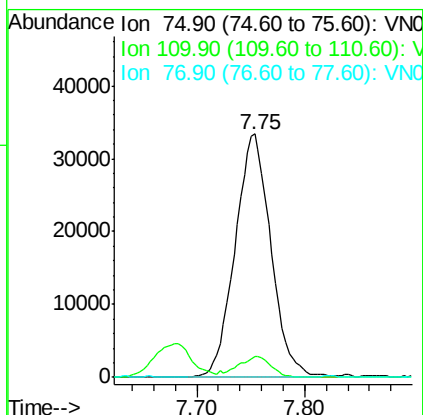
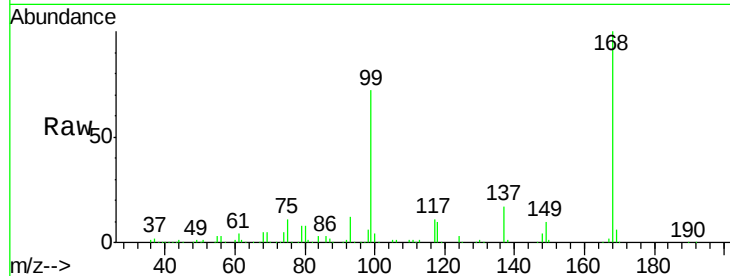




#37
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027257.D
 Acq: 17 Sep 2015 16:08

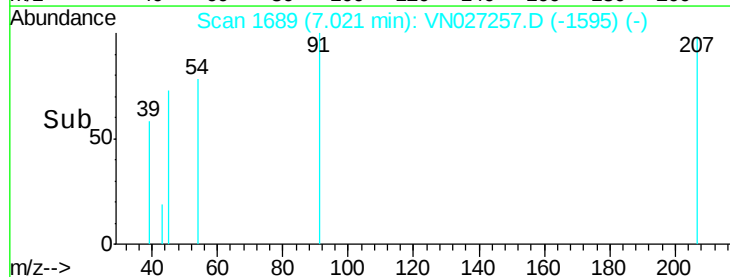
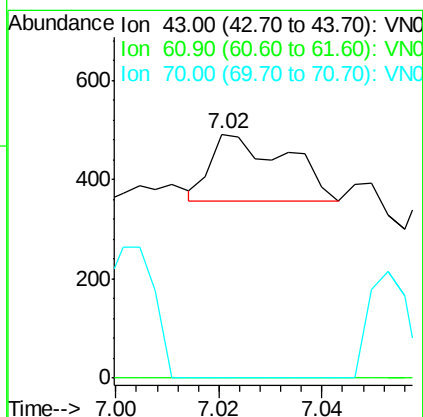
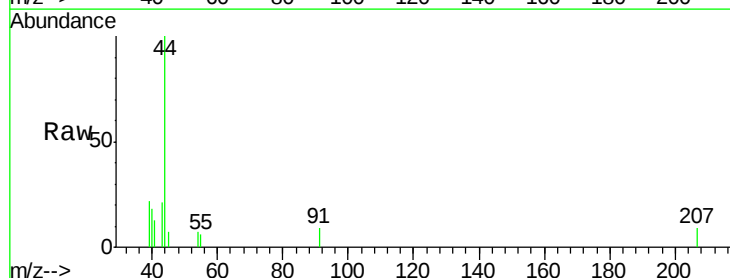
Instrument :
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 MW-1-9-15-15

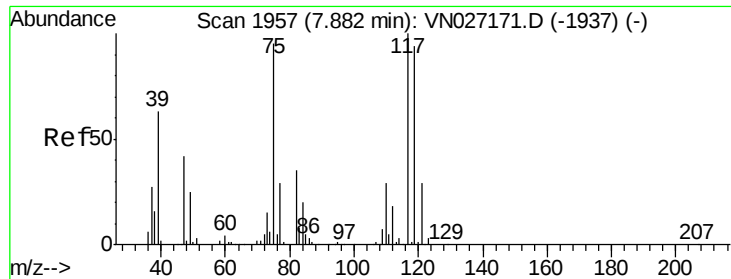
Tgt Ion: 75 Resp: 77376
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027257.D
 Acq: 17 Sep 2015 16:08

Tgt Ion: 43 Resp: 135
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 126.7 7.4 11.0#

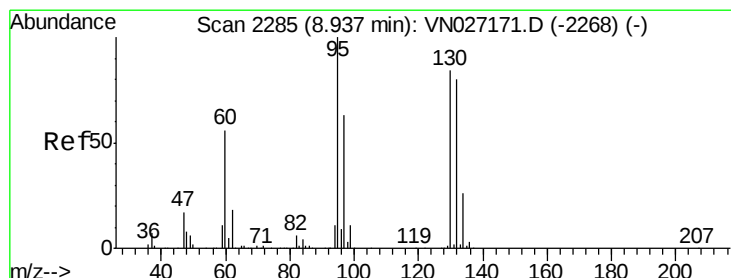
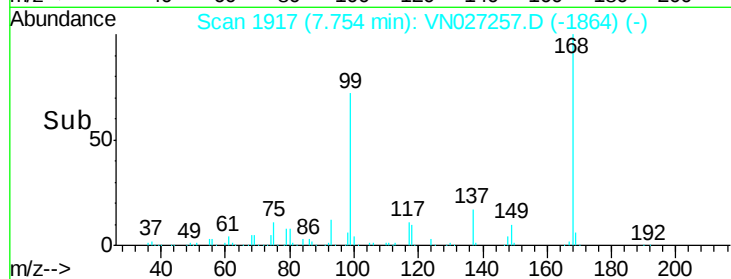
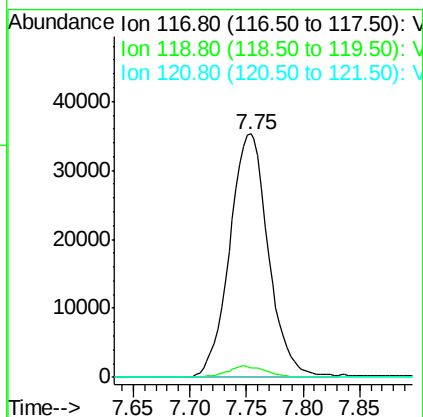
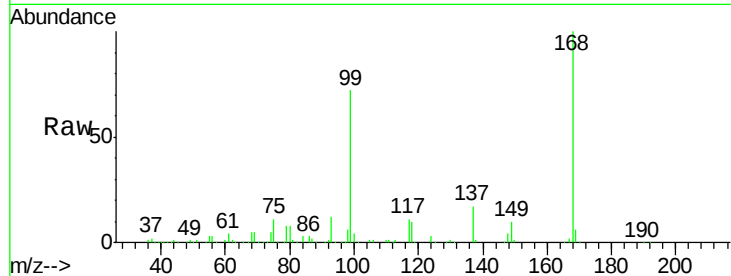




#39
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

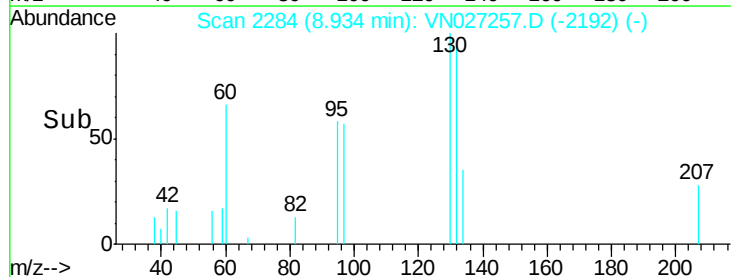
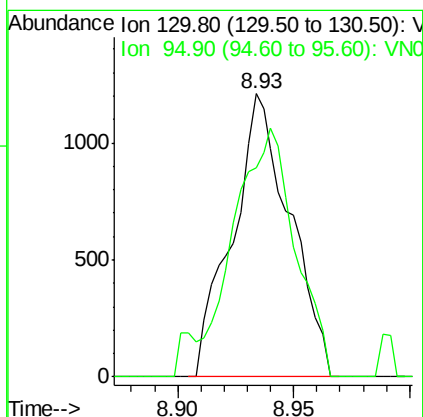
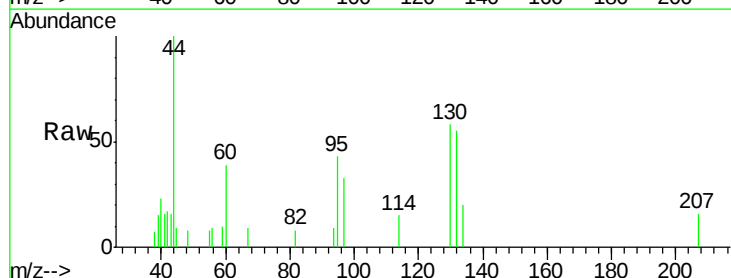
Instrument :
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MW-1-9-15-15

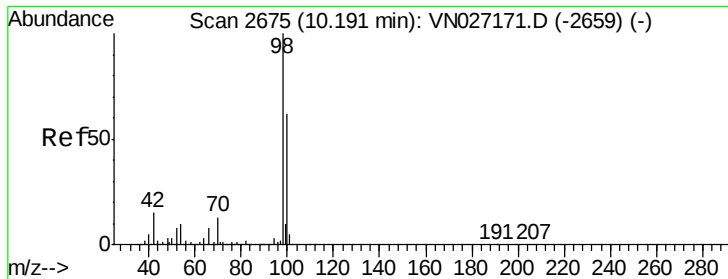
Tgt Ion:117 Resp: 83949
Ion Ratio Lower Upper
117 100
119 4.0 75.3 112.9#
121 0.0 23.8 35.8#



#45
Trichloroethene
Concen: 0.23 ug/l
RT: 8.93 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

Tgt Ion:130 Resp: 2087
Ion Ratio Lower Upper
130 100
95 73.9 0.0 222.2





#51

Toluene-d8

Concen: 52.98 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampled :

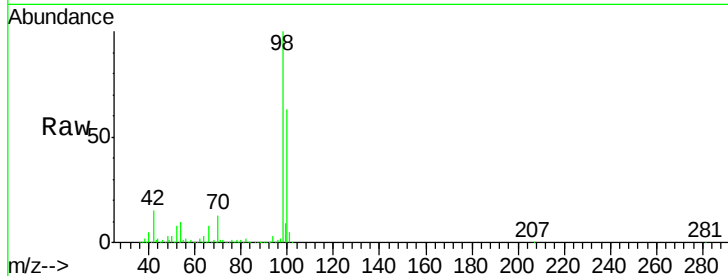
MW-1-9-15-15

Tgt Ion: 98 Resp: 1916121

Ion Ratio Lower Upper

98 100

100 63.0 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN027171.D (-2659) (-)

Ion 100.00 (99.70 to 100.70): VN027171.D (-2659) (-)

10.19

1200000

1000000

800000

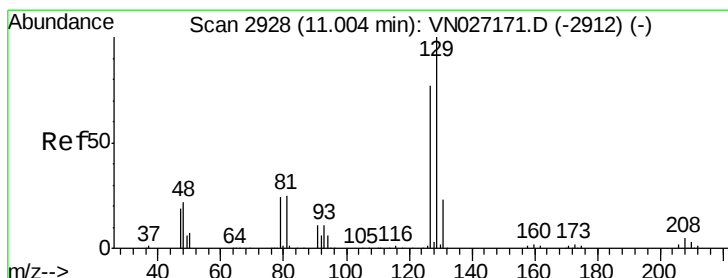
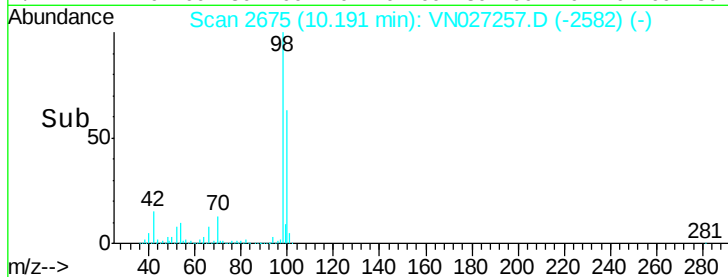
600000

400000

200000

0

Time-->



#61

Dibromochloromethane

Concen: 13.12 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. -0.27 min

Lab File: VN027257.D

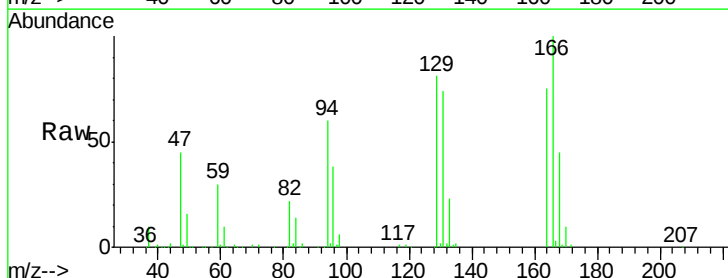
Acq: 17 Sep 2015 16:08

Tgt Ion: 129 Resp: 134217

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): VN027171.D (-2912) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2912) (-)

10.74

80000

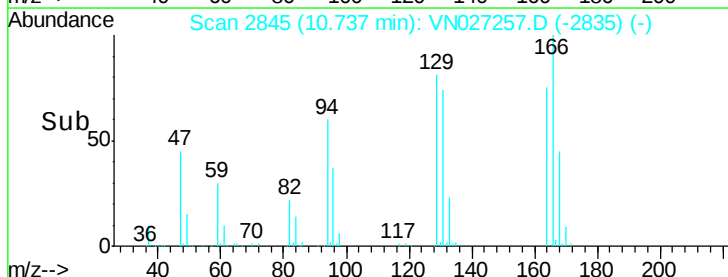
60000

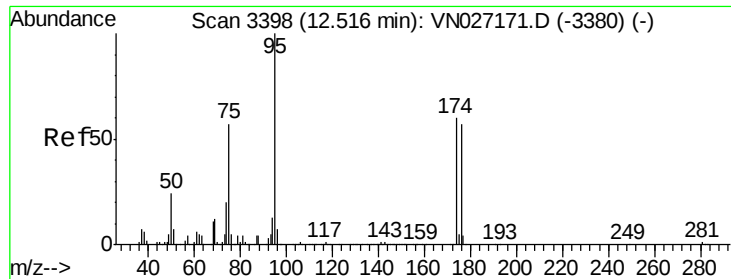
40000

20000

0

Time-->

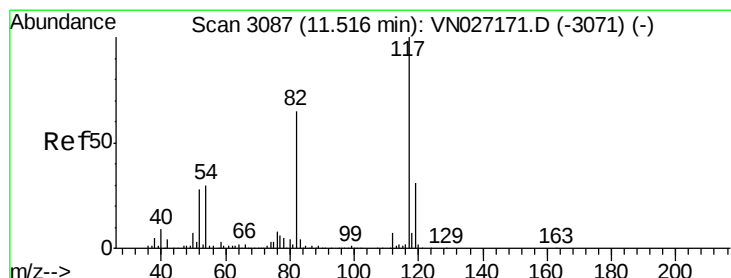
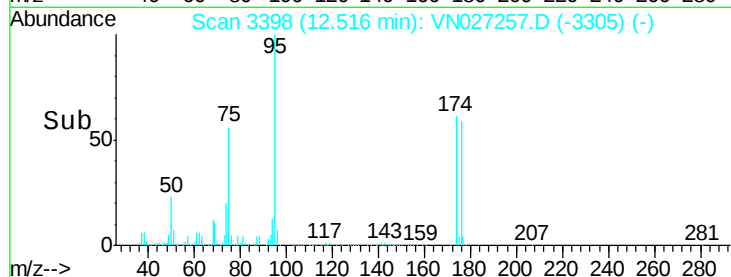
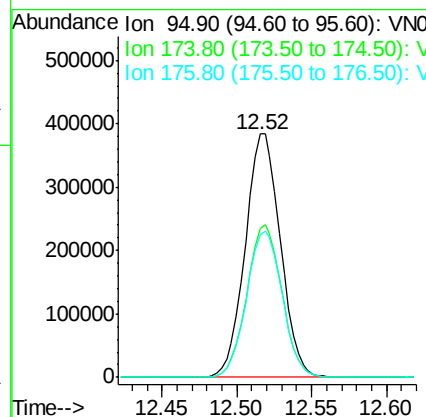
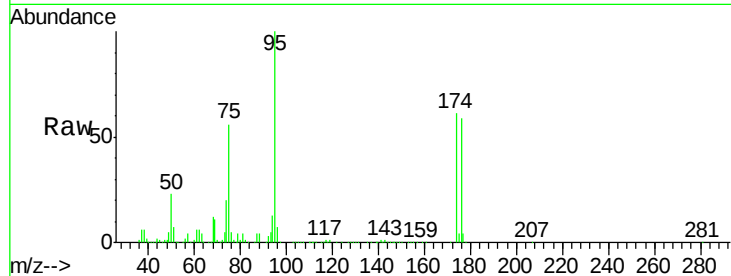




#63
4-Bromofluorobenzene
Concen: 48.97 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

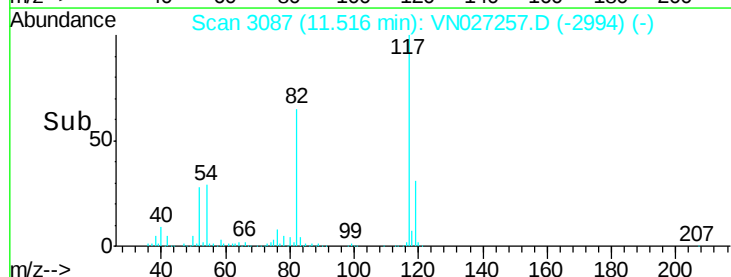
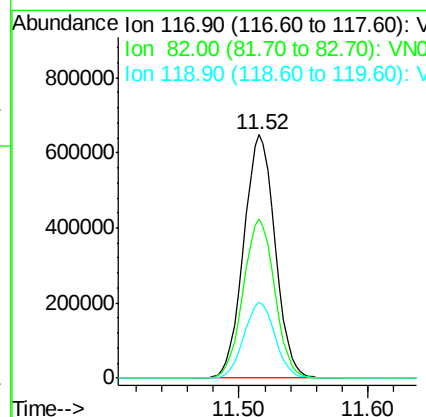
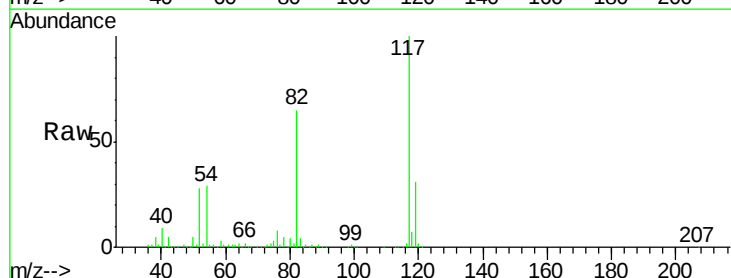
Instrument :
MSVOA_N
ClientSampled :
MW-1-9-15-15

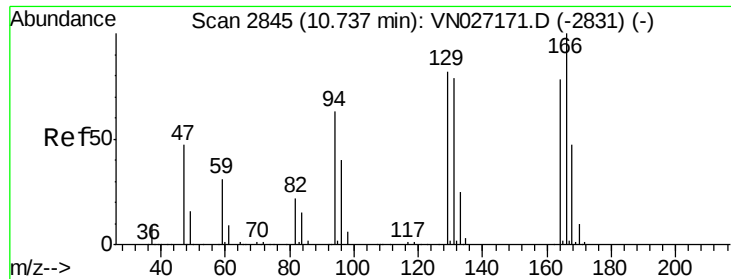
Tgt Ion: 95 Resp: 628677
Ion Ratio Lower Upper
95 100
174 62.7 0.0 137.0
176 60.9 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027257.D
Acq: 17 Sep 2015 16:08

Tgt Ion: 117 Resp: 1096438
Ion Ratio Lower Upper
117 100
82 65.1 49.6 74.4
119 31.4 24.6 36.8





#65

Tetrachloroethene

Concen: 18.59 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampled :

MW-1-9-15-15

Tgt Ion:164 Resp: 130328

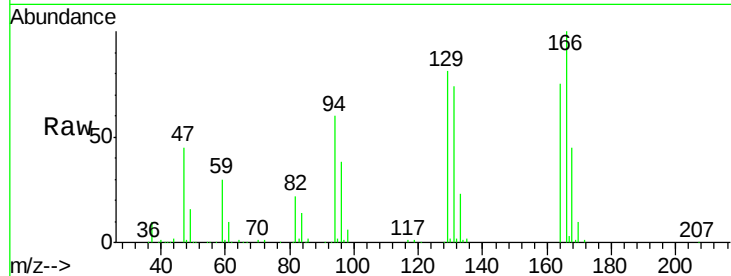
Ion Ratio Lower Upper

164 100

166 134.0 103.4 155.0

129 108.7 77.5 116.3

131 99.3 74.2 111.4

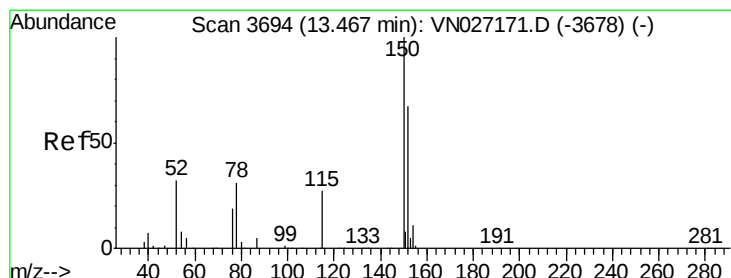
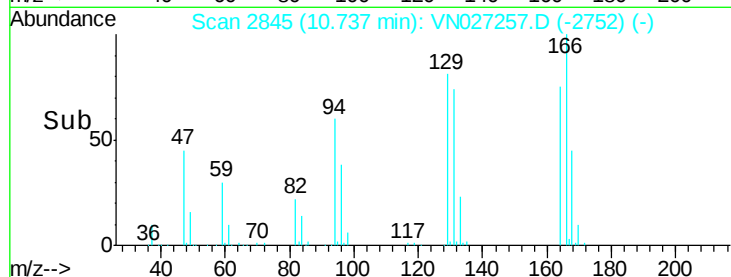
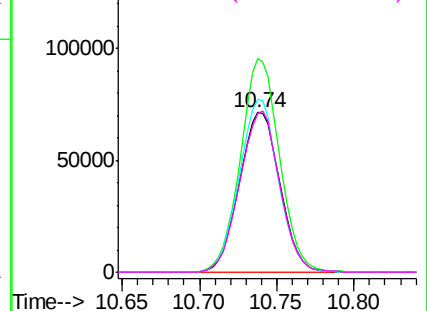


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN027257.D

Acq: 17 Sep 2015 16:08

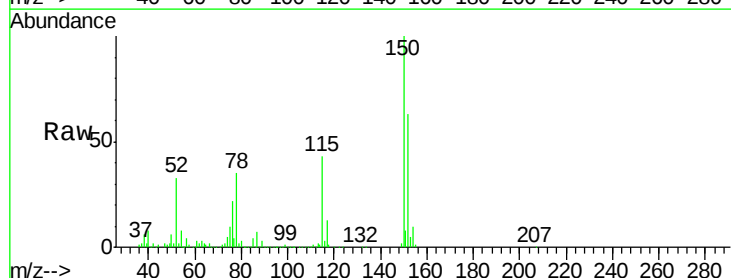
Tgt Ion:152 Resp: 375330

Ion Ratio Lower Upper

152 100

115 67.5 30.8 92.3

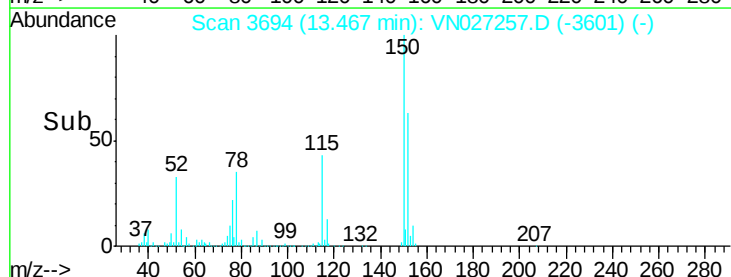
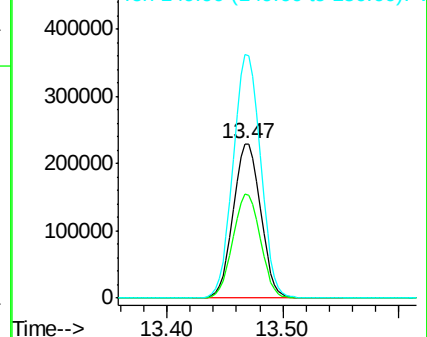
150 157.5 0.0 345.0

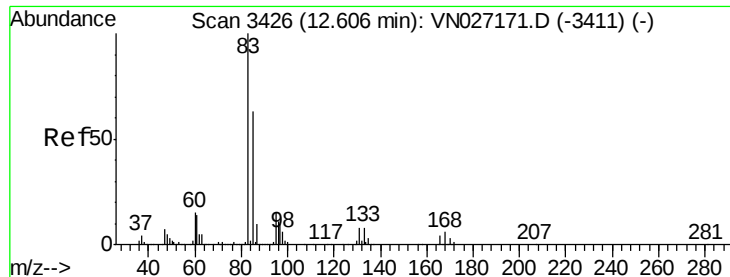


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.52 min Scan# 3399

Delta R.T. -0.09 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampleId :

MW-1-9-15-15

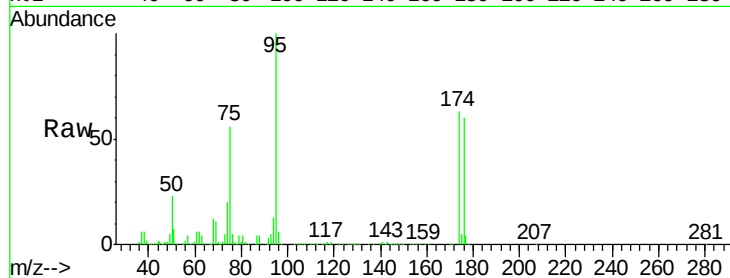
Tgt Ion: 83 Resp: 988

Ion Ratio Lower Upper

83 100

131 84.9 4.1 12.3#

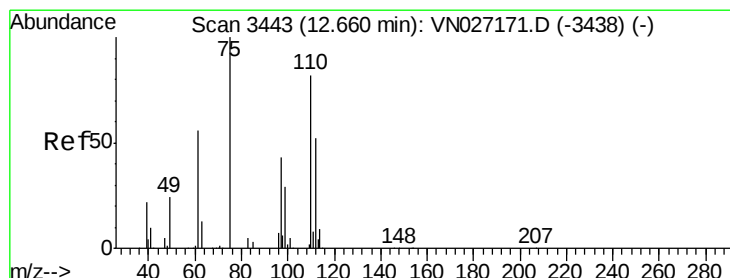
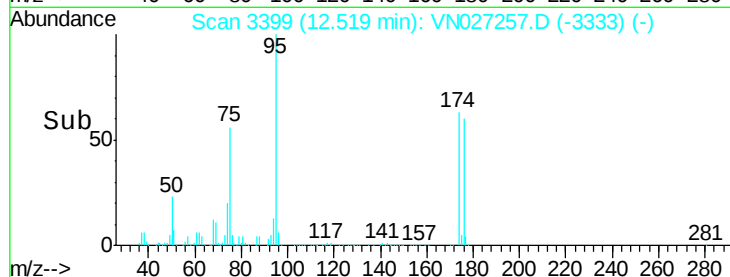
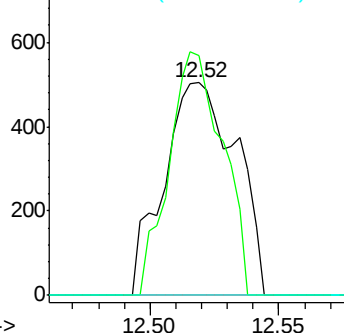
85 0.0 31.9 95.7#



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



#77

1,2,3-Trichloropropane

Concen: 31.58 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027257.D

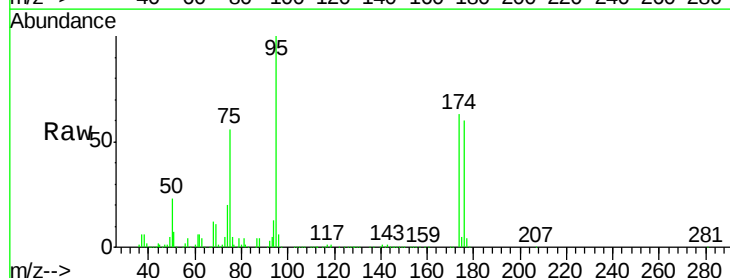
Acq: 17 Sep 2015 16:08

Tgt Ion: 75 Resp: 358212

Ion Ratio Lower Upper

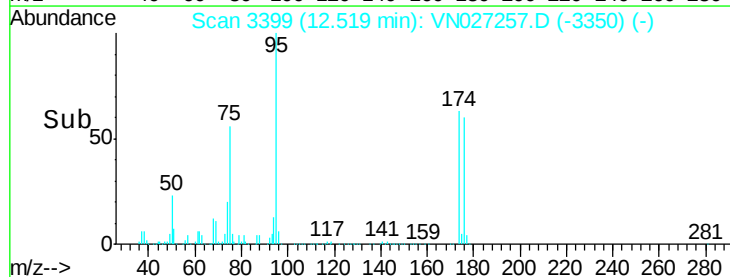
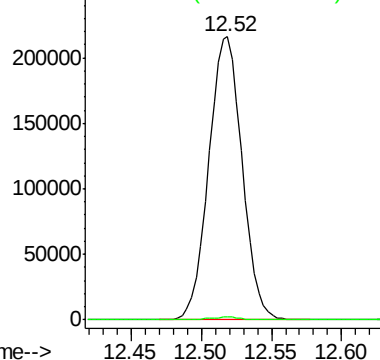
75 100

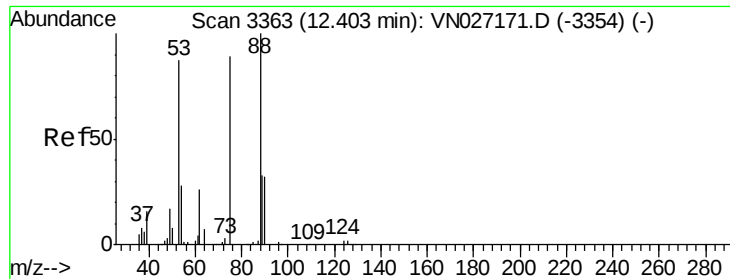
77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#82

trans-1,4-Dichloro-2-butene

Concen: 77.57 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

Instrument :

MSVOA_N

ClientSampleId :

MW-1-9-15-15

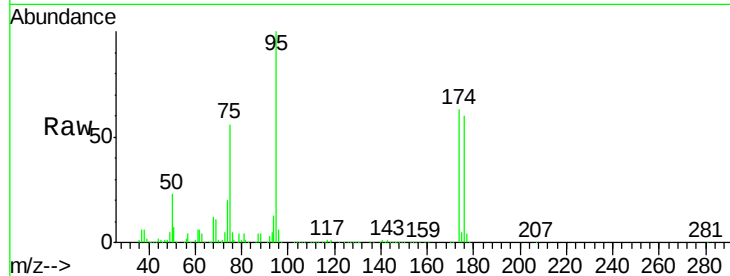
Tgt Ion: 75 Resp: 358212

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

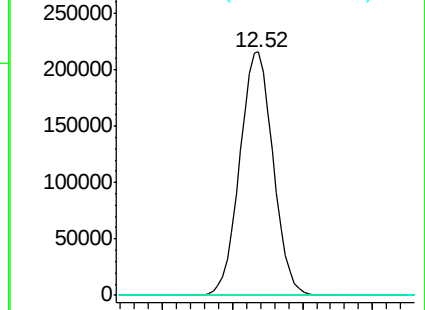
89 0.0 34.2 51.4#



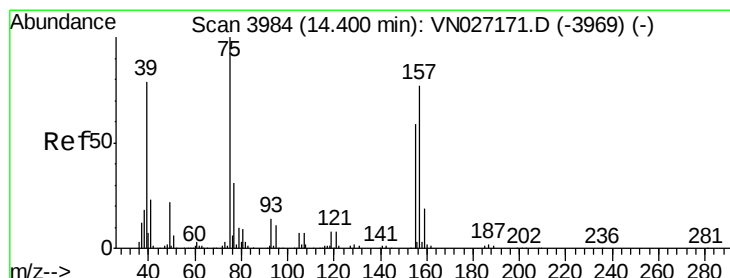
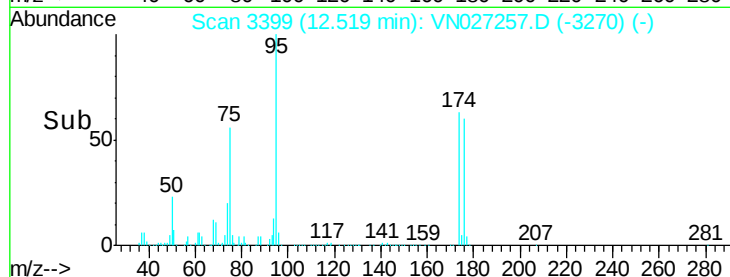
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.23 min Scan# 3932

Delta R.T. -0.17 min

Lab File: VN027257.D

Acq: 17 Sep 2015 16:08

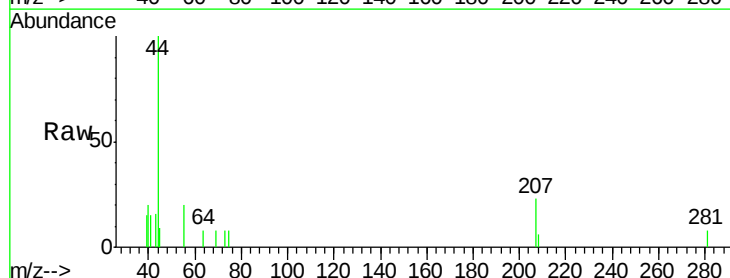
Tgt Ion: 75 Resp: 109

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

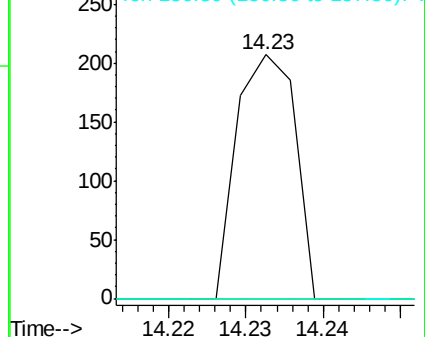
157 0.0 44.6 133.8#



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



Time-->

