

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027254.D
 Acq On : 17 Sep 2015 14:45
 Operator : MD\FY
 Sample : G3663-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-1

Quant Time: Sep 18 01:14:24 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	750318	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1331542	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1131544	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	390771	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	746197	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
36) Dibromofluoromethane	7.68	113	480280	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
51) Toluene-d8	10.19	98	1950808	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
63) 4-Bromofluorobenzene	12.52	95	647593	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

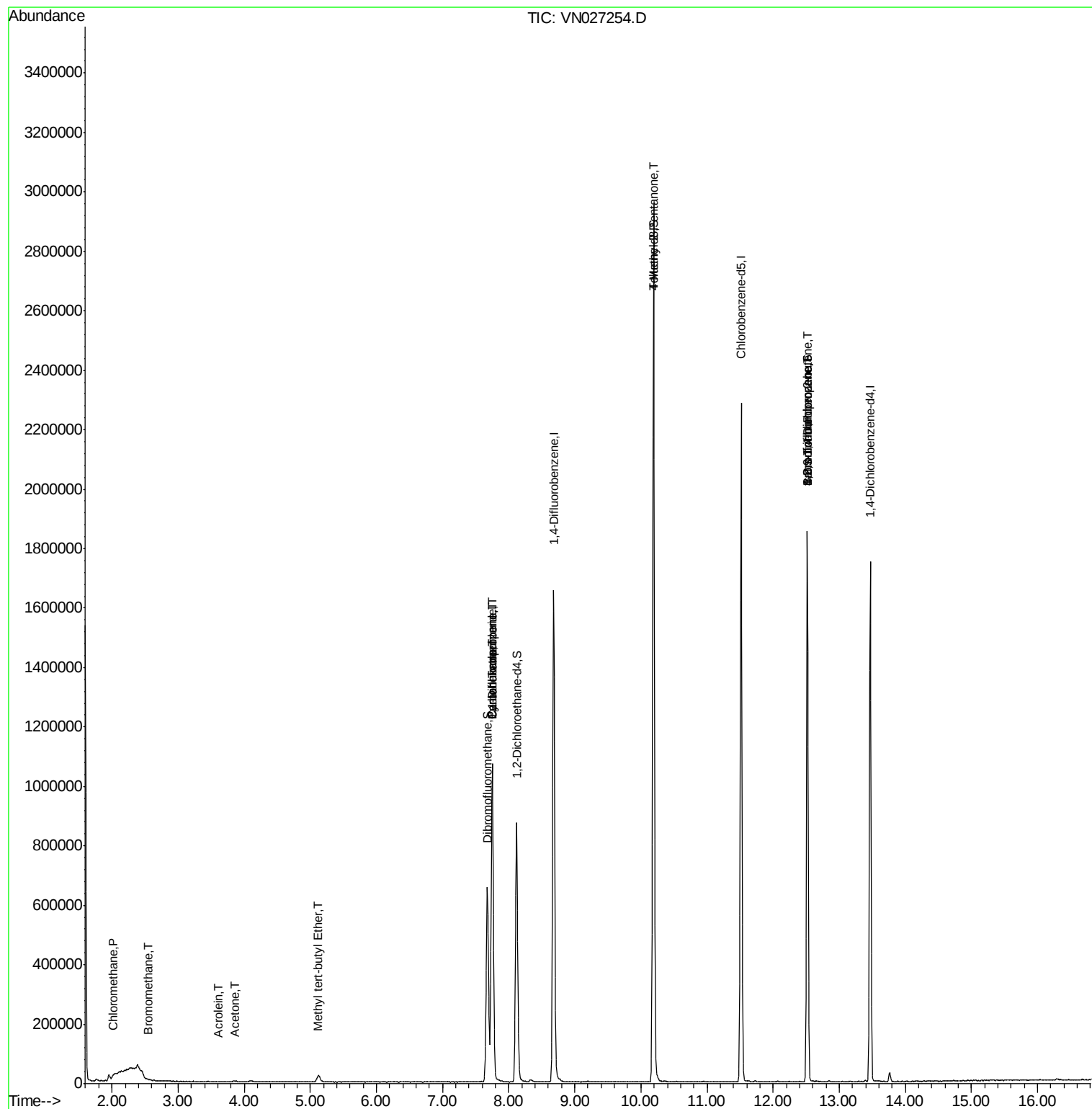
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	1665	1.27	ug/l	89
6) Bromomethane	2.55	94	734	1.74	ug/l	88
14) Acrolein	3.60	56	396	0.22	ug/l #	73
17) Acetone	3.85	43	4351	1.05	ug/l #	84
20) Methyl tert-butyl Ether	5.11	73	21497	0.56	ug/l	92
32) Cyclohexane	7.75	56	24335	0.23	ug/l #	1
37) 1,1-Dichloropropene	7.75	75	76233	4.89	ug/l #	51
38) Ethyl Acetate	7.01	43	124	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	85357	5.82	ug/l #	16
52) 4-Methyl-2-Pentanone	10.18	43	10858	0.82	ug/l #	1
72) Bromoform	12.52	173	4167	0.66	ug/l #	1
76) 1,1,2,2-Tetrachloroethane	12.60	83	143	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	373849	31.66	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	373849	77.75	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.40	75	29	Below Cal	#	9

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

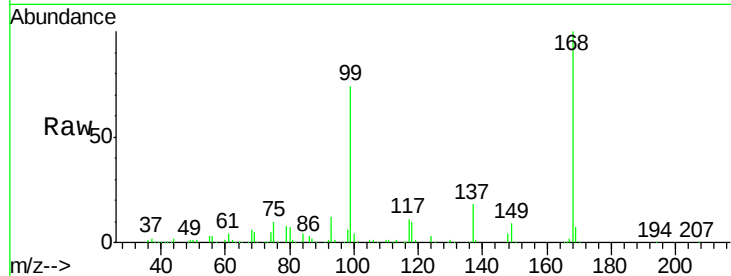
Instrument :
MSVOA_N
ClientSampled :
GW-1

Tgt Ion:168 Resp: 750318

Ion Ratio Lower Upper

168 100

99 73.6 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

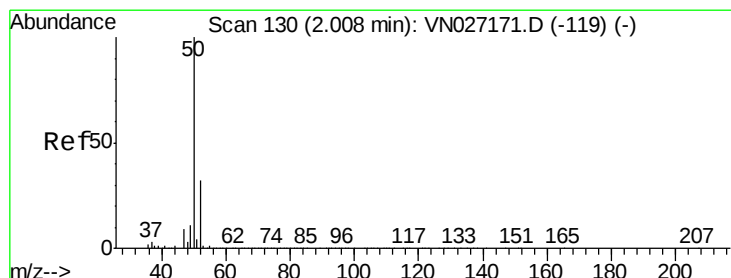
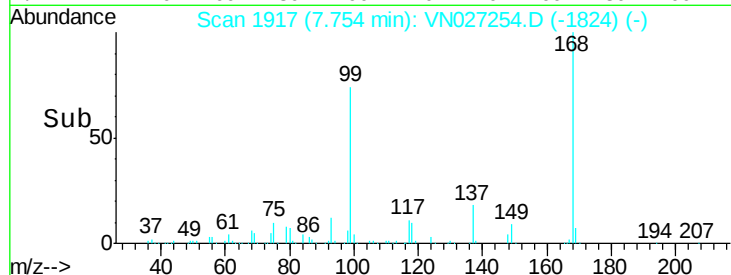
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.27 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027254.D

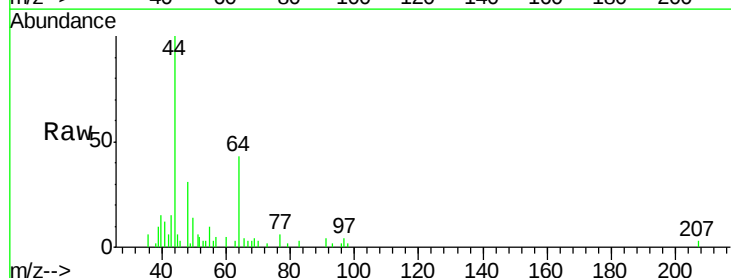
Acq: 17 Sep 2015 14:45

Tgt Ion: 50 Resp: 1665

Ion Ratio Lower Upper

50 100

52 38.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.00

1200

1000

800

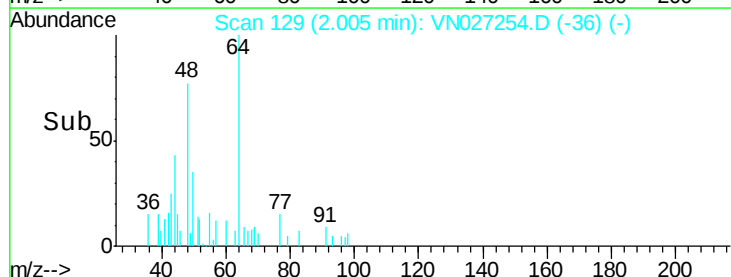
600

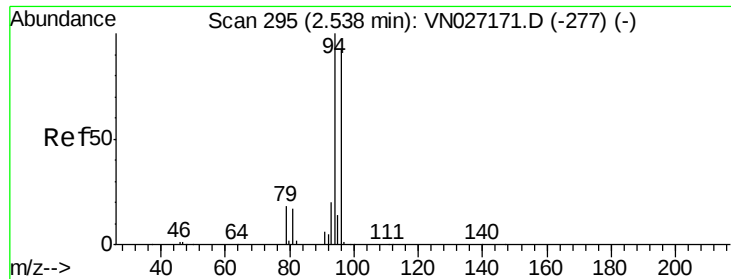
400

200

0

Time-->





#6

Bromomethane

Concen: 1.74 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.02 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampleId :

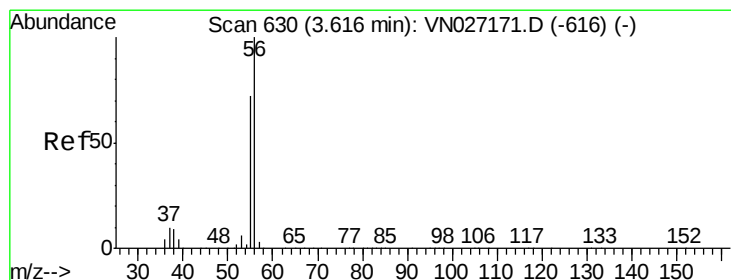
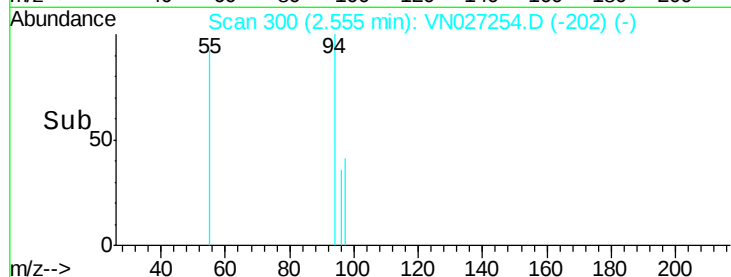
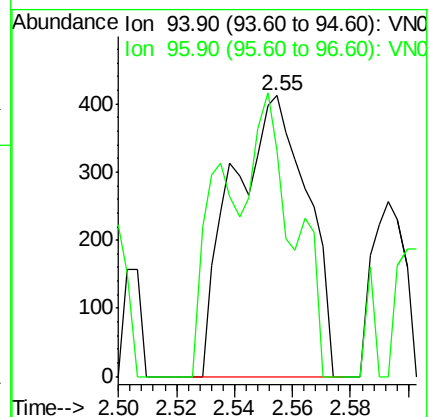
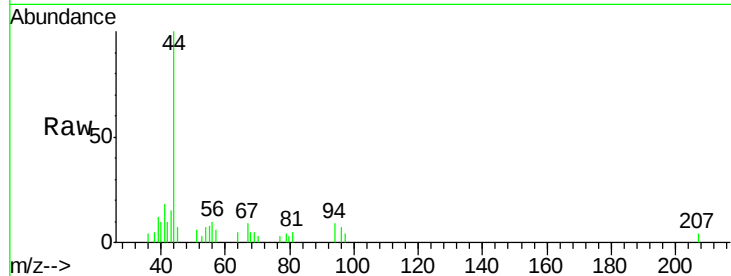
GW-1

Tgt Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 80.3 73.4 110.2



#14

Acrolein

Concen: 0.22 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.02 min

Lab File: VN027254.D

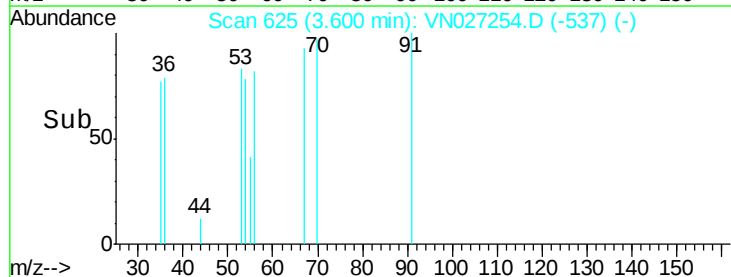
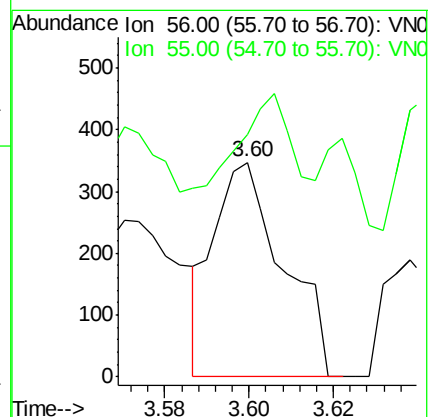
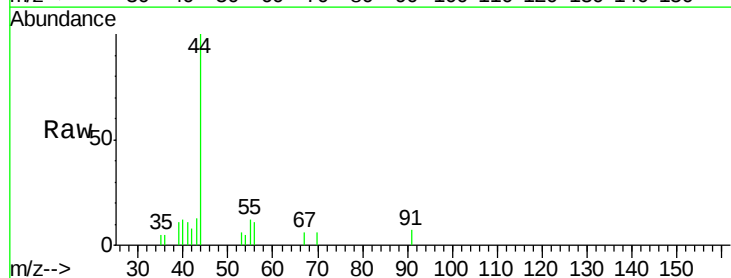
Acq: 17 Sep 2015 14:45

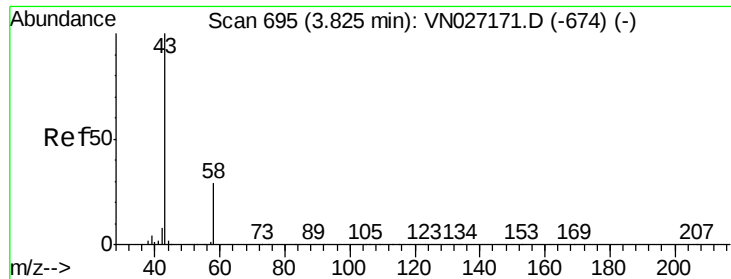
Tgt Ion: 56 Resp: 396

Ion Ratio Lower Upper

56 100

55 47.2 55.7 83.5#





#17

Acetone

Concen: 1.05 ug/l

RT: 3.85 min Scan# 704

Delta R.T. 0.03 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampled :

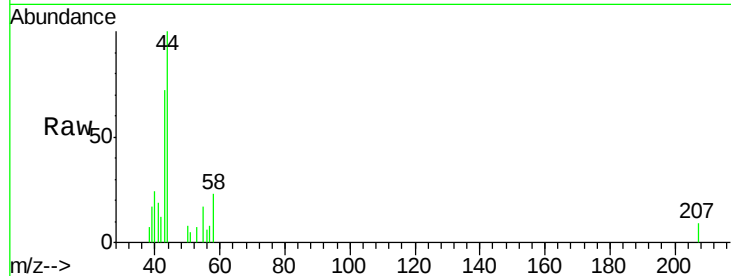
GW-1

Tgt Ion: 43 Resp: 4351

Ion Ratio Lower Upper

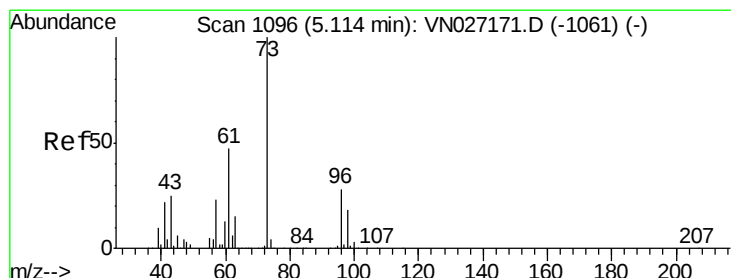
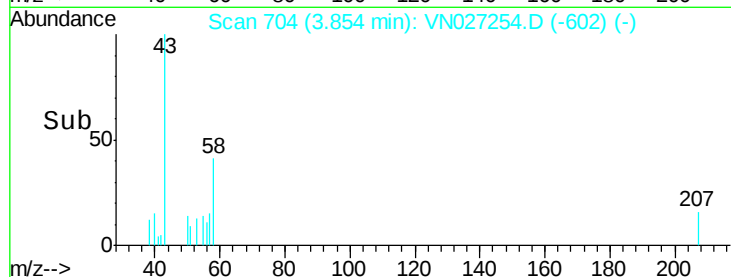
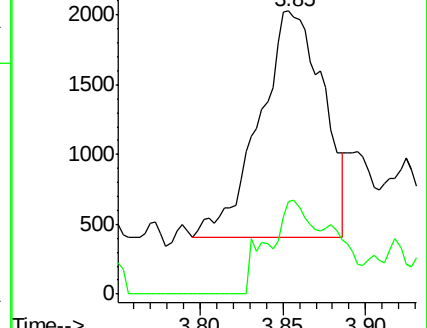
43 100

58 40.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methyl tert-butyl Ether

Concen: 0.56 ug/l

RT: 5.11 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VN027254.D

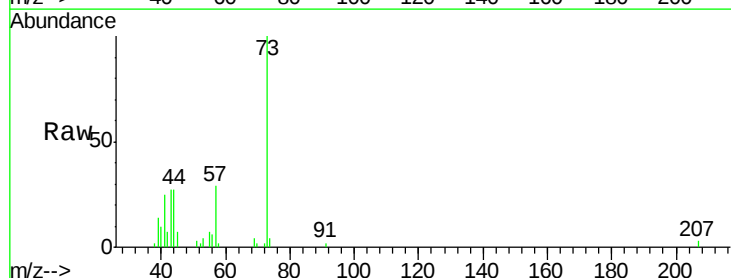
Acq: 17 Sep 2015 14:45

Tgt Ion: 73 Resp: 21497

Ion Ratio Lower Upper

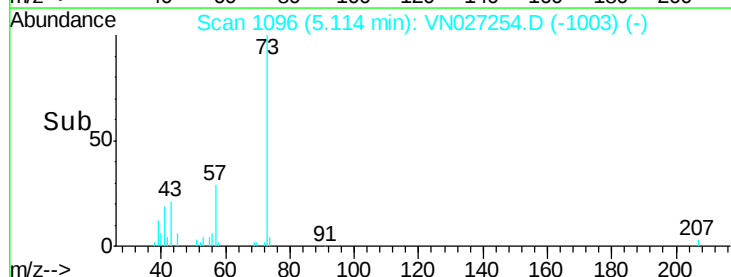
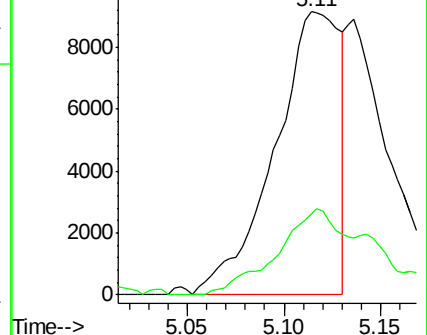
73 100

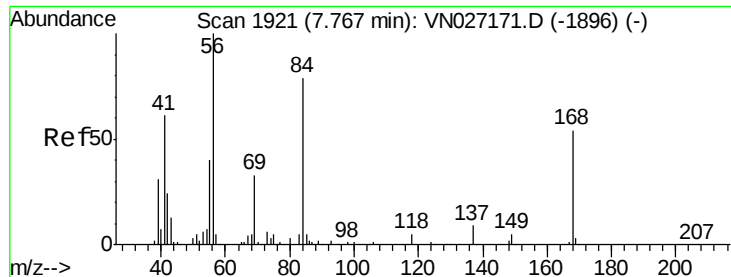
57 28.5 19.8 29.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

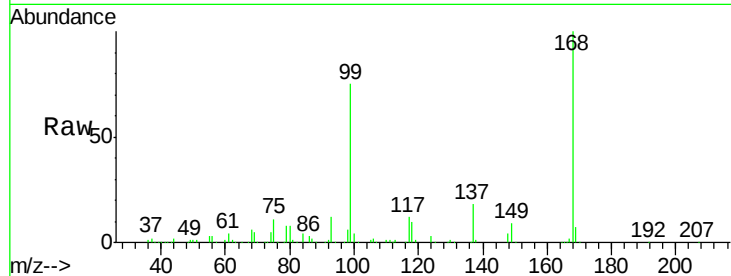




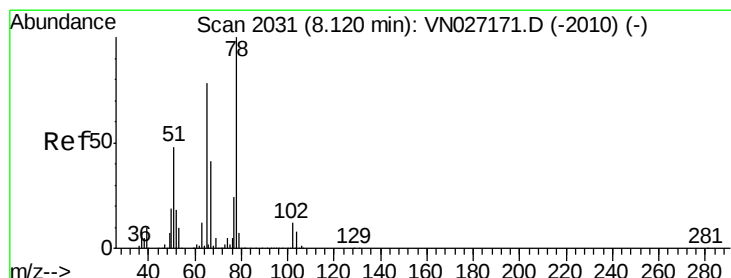
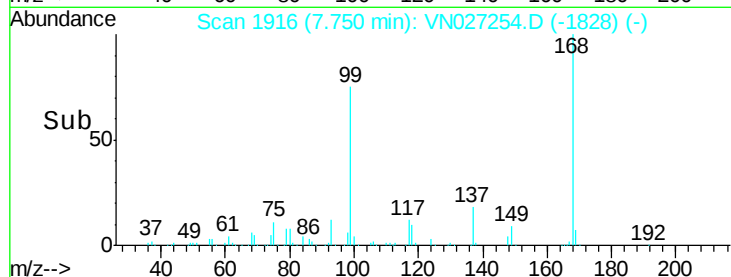
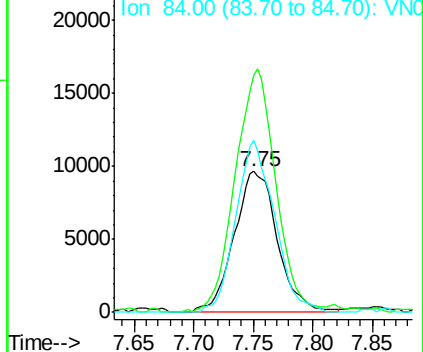
#32
Cyclohexane
Concen: 0.23 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

Instrument :
MSVOA_N
ClientSampled :
GW-1

Tgt Ion: 56 Resp: 24335
Ion Ratio Lower Upper
56 100
69 166.1 23.0 34.4#
84 121.6 57.8 86.8#

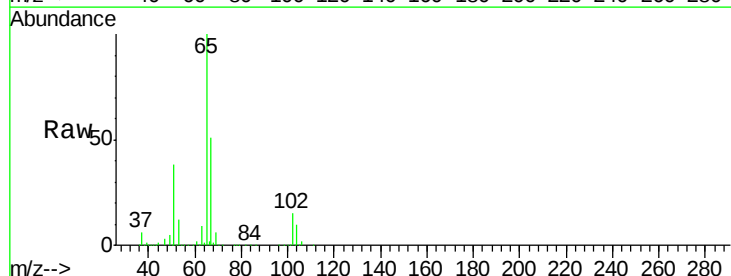


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

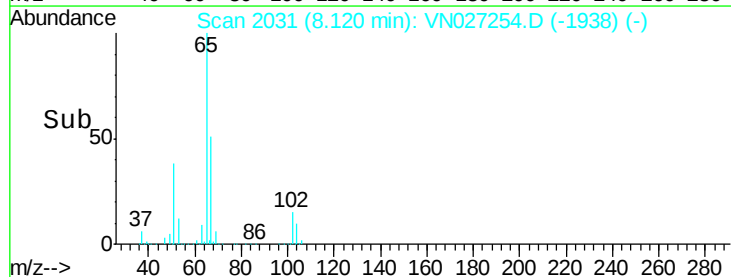
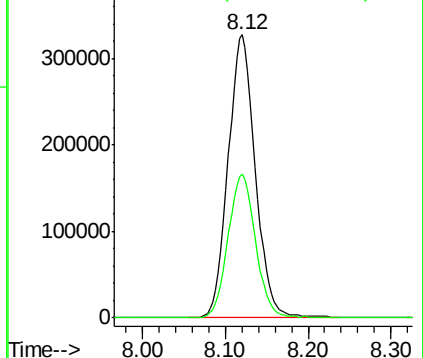


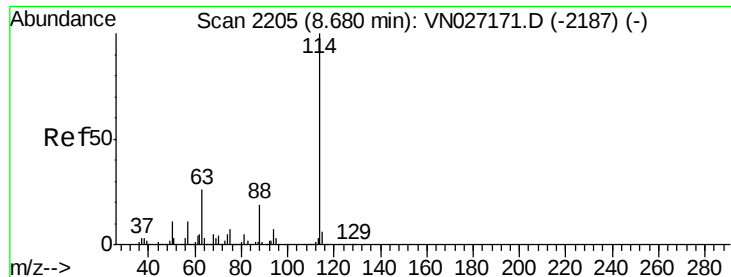
#34
1,2-Dichloroethane-d4
Concen: 48.54 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

Tgt Ion: 65 Resp: 746197
Ion Ratio Lower Upper
65 100
67 51.2 0.0 110.6



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

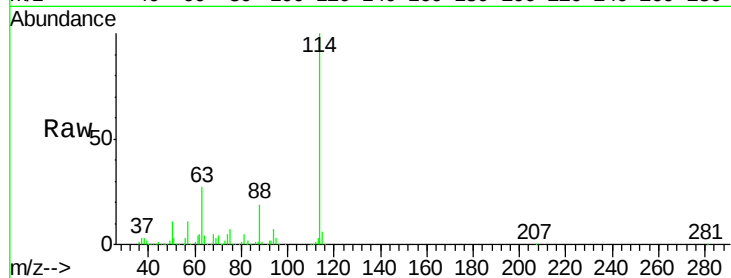




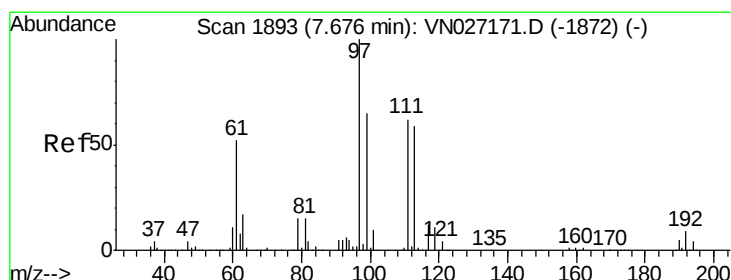
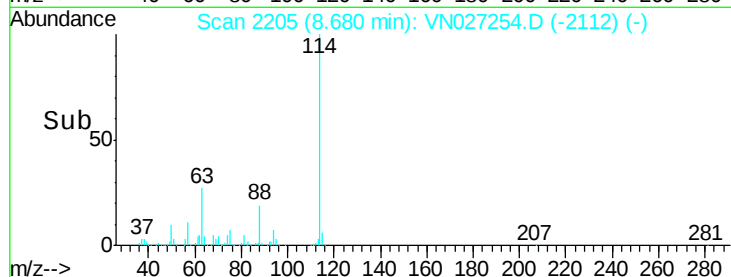
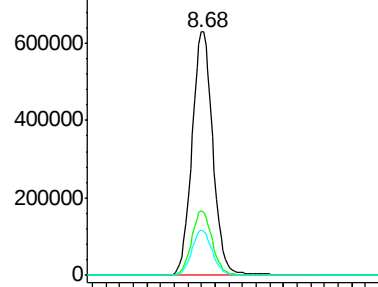
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027254.D
 Acq: 17 Sep 2015 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-1

Tgt Ion:114 Resp: 1331542
 Ion Ratio Lower Upper
 114 100
 63 26.5 0.0 48.8
 88 18.6 0.0 32.2

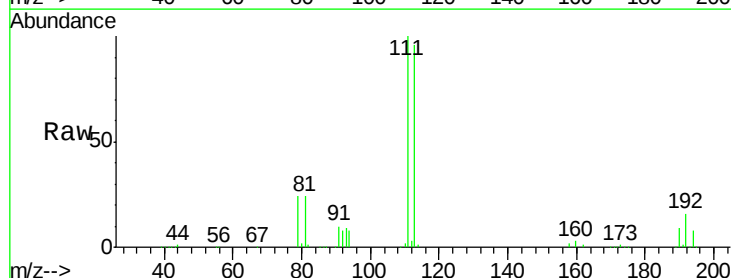


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

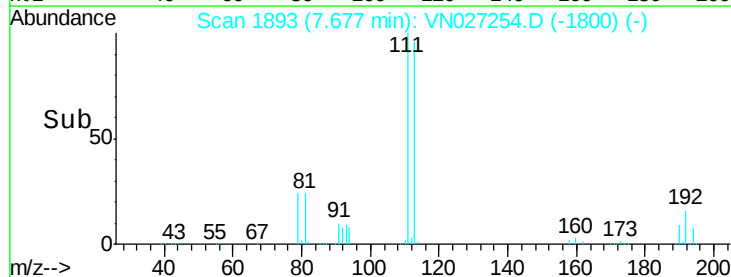
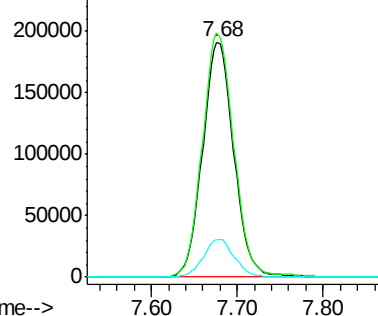


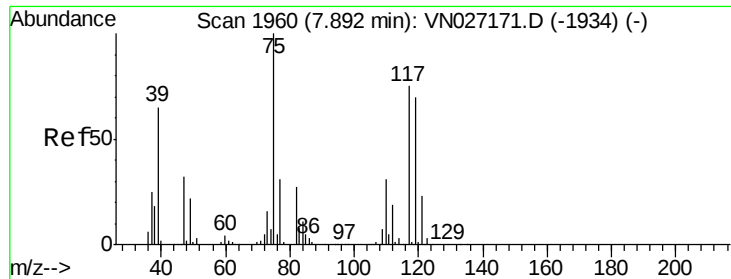
#36
 Dibromofluoromethane
 Concen: 52.03 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027254.D
 Acq: 17 Sep 2015 14:45

Tgt Ion:113 Resp: 480280
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.0 124.4
 192 16.0 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

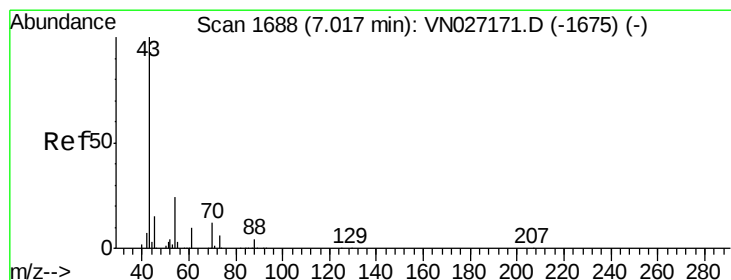
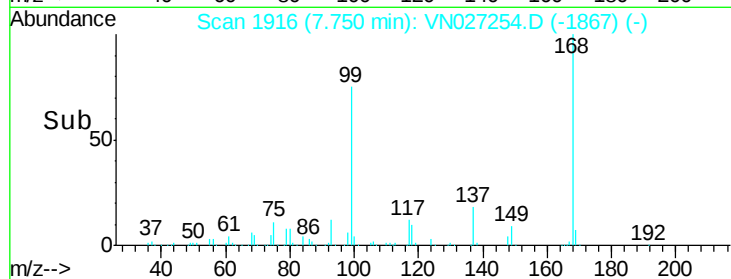
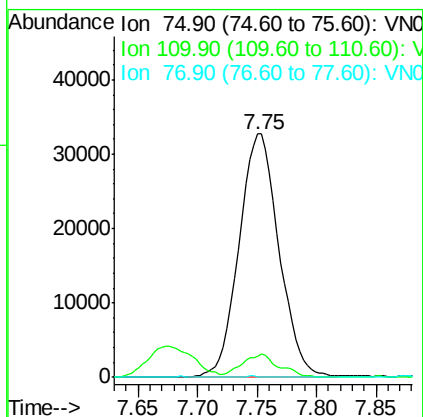
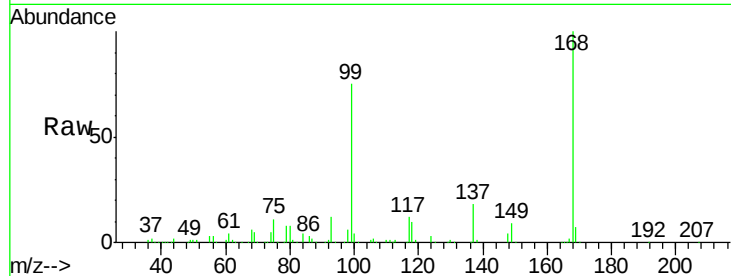




#37
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027254.D
 Acq: 17 Sep 2015 14:45

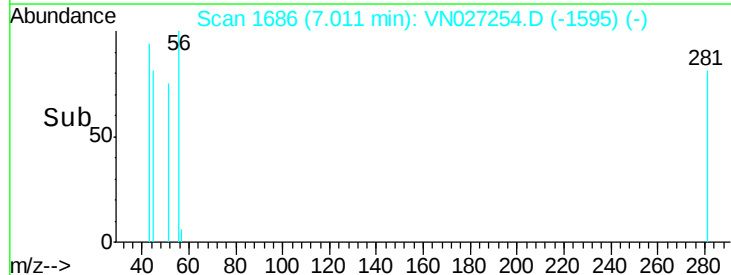
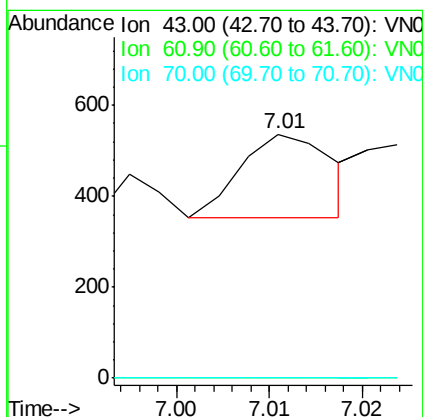
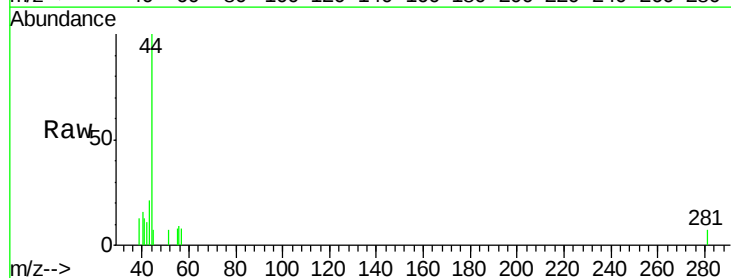
Instrument :
 MSVOA_N
 ClientSampled :
 GW-1

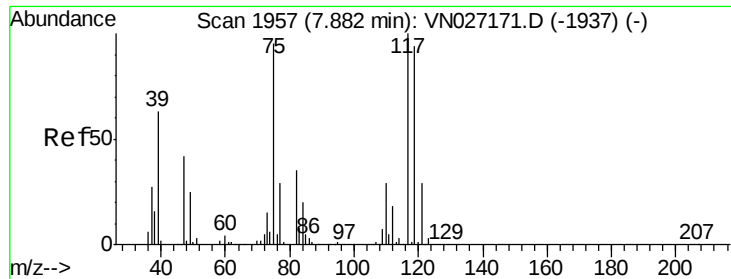
Tgt Ion: 75 Resp: 76233
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.9 47.7#
 77 0.1 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.01 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: VN027254.D
 Acq: 17 Sep 2015 14:45

Tgt Ion: 43 Resp: 124
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#

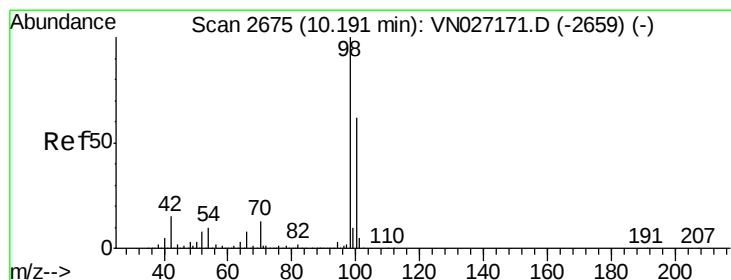
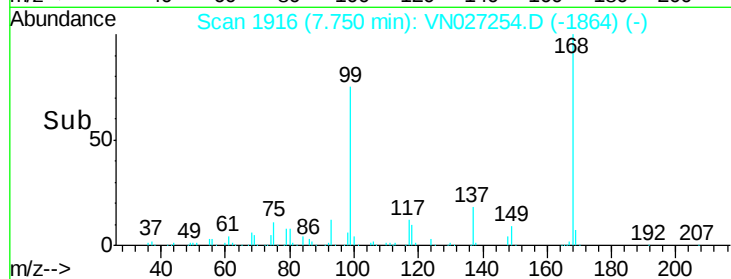
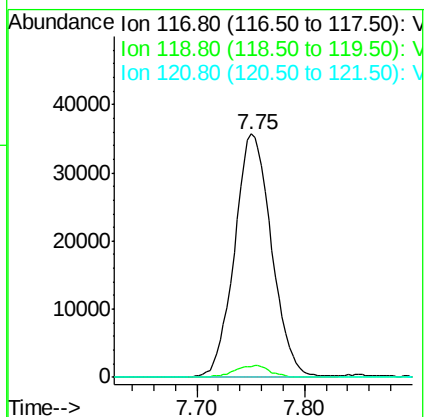
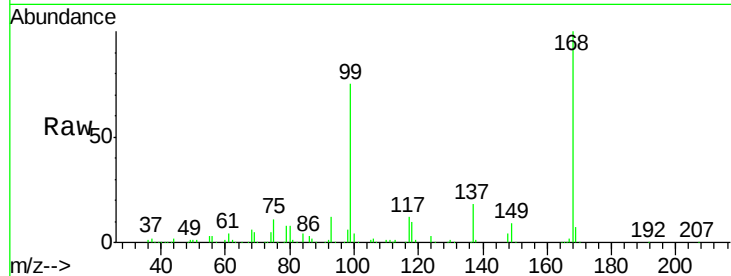




#39
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

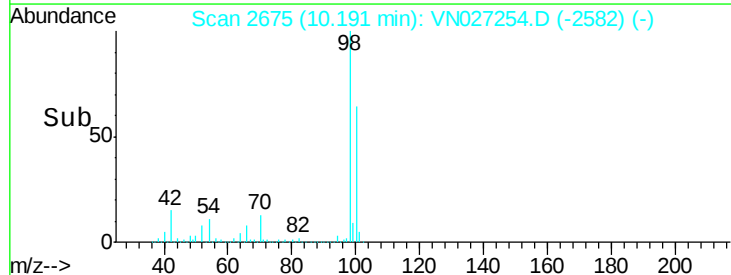
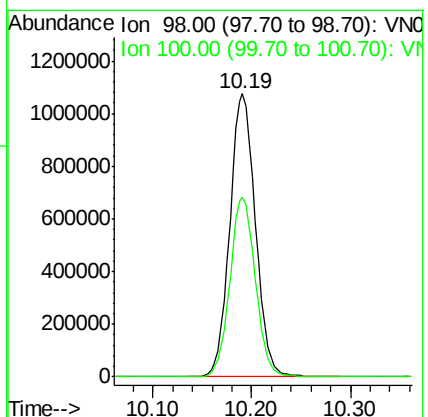
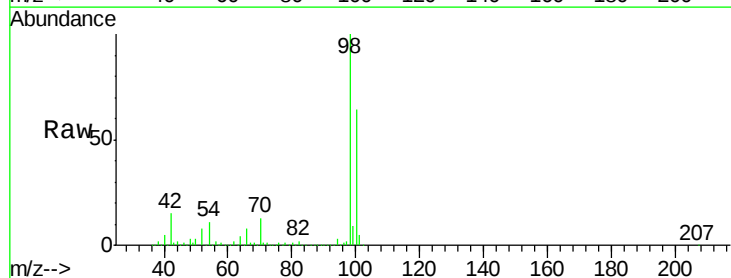
Instrument :
MSVOA_N
ClientSampleId :
GW-1

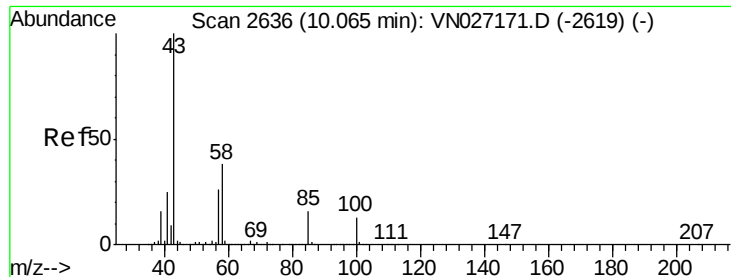
Tgt Ion:117 Resp: 85357
Ion Ratio Lower Upper
117 100
119 4.5 75.3 112.9#
121 0.0 23.8 35.8#



#51
Toluene-d8
Concen: 53.98 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

Tgt Ion: 98 Resp: 1950808
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7





#52

4-Methyl-2-Pentanone

Concen: 0.82 ug/l

RT: 10.18 min Scan# 2673

Delta R.T. 0.12 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampled :

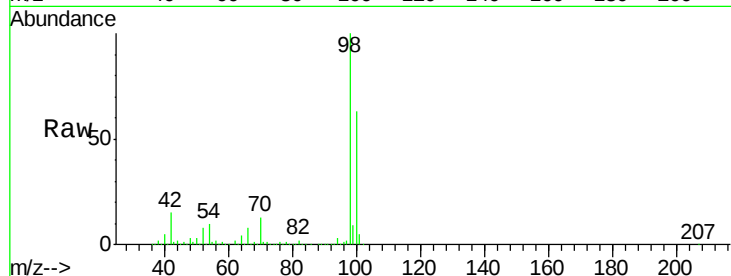
GW-1

Tgt Ion: 43 Resp: 10858

Ion Ratio Lower Upper

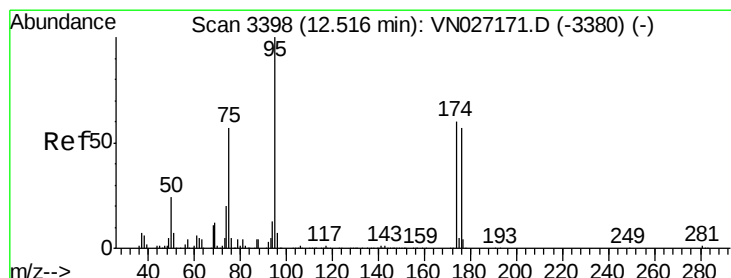
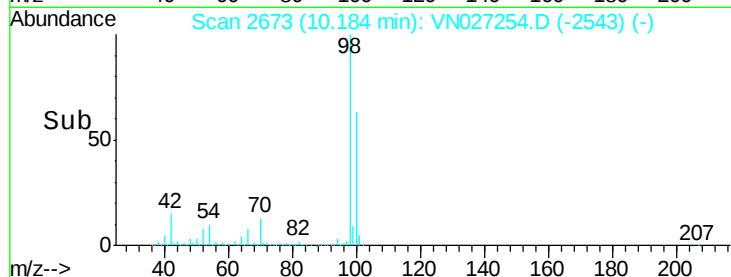
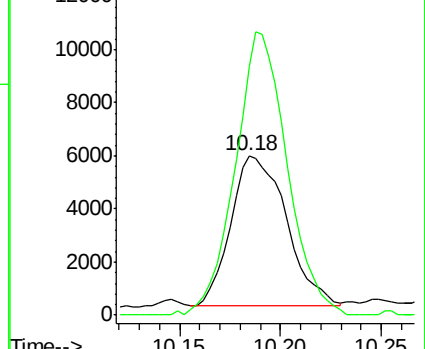
43 100

58 176.6 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: 50.49 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

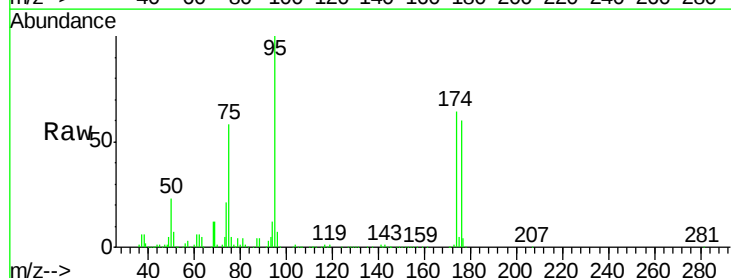
Tgt Ion: 95 Resp: 647593

Ion Ratio Lower Upper

95 100

174 62.4 0.0 137.0

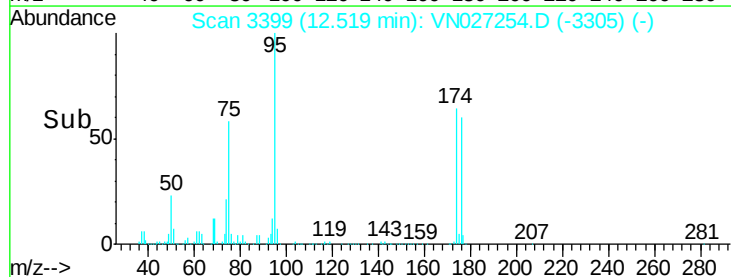
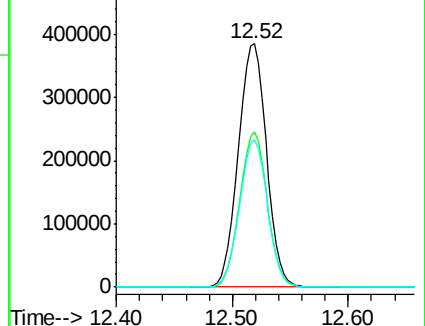
176 60.1 0.0 130.8

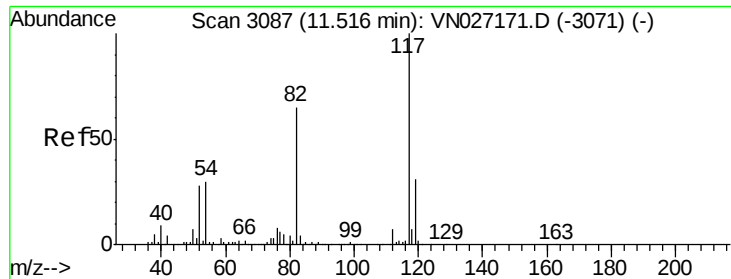


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

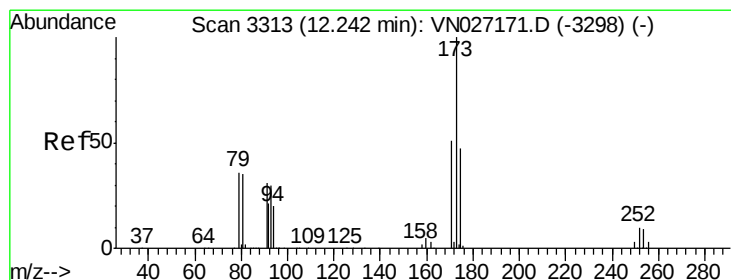
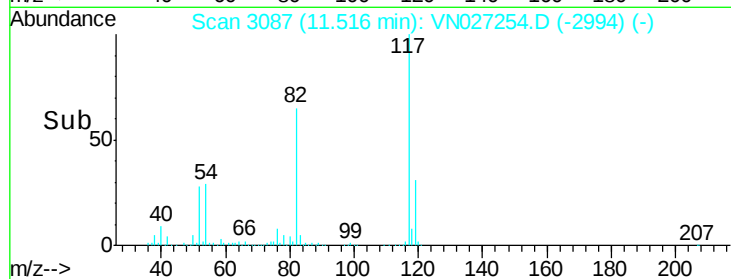
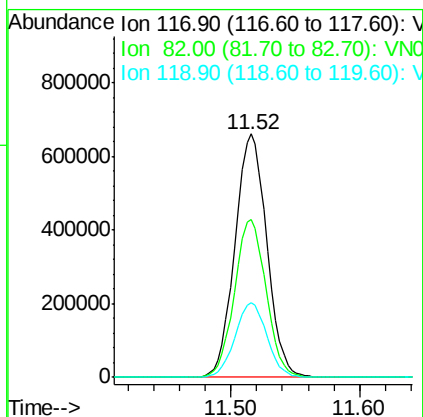
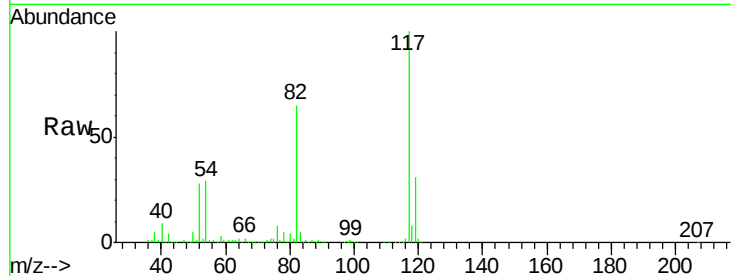




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

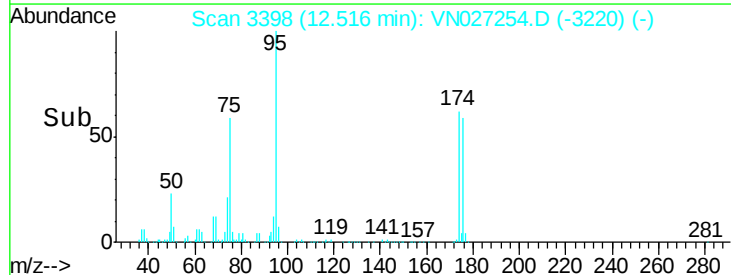
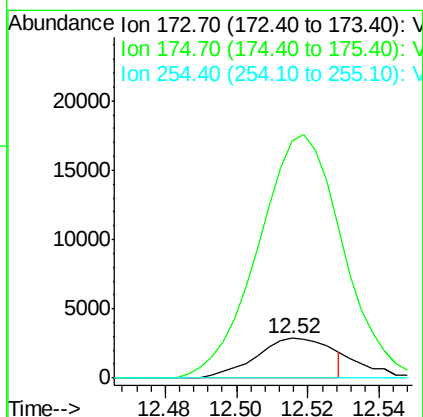
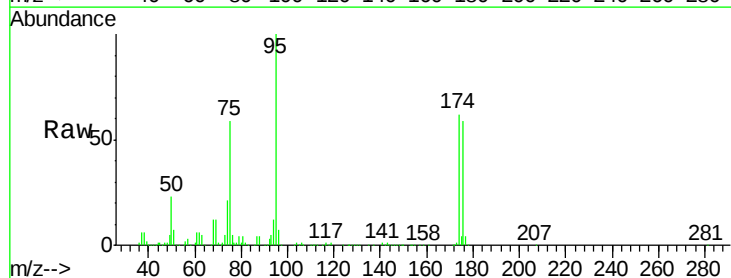
Instrument :
MSVOA_N
ClientSampled :
GW-1

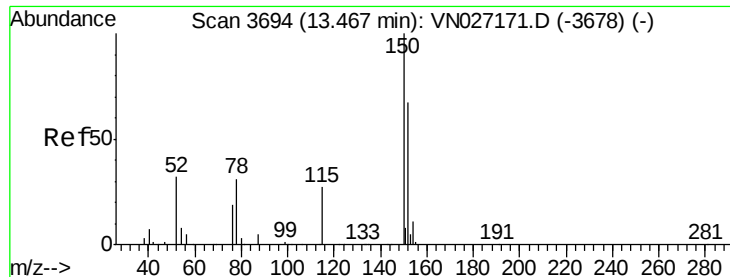
Tgt Ion:117 Resp: 1131544
Ion Ratio Lower Upper
117 100
82 65.1 49.6 74.4
119 30.5 24.6 36.8



#72
Bromoform
Concen: 0.66 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.27 min
Lab File: VN027254.D
Acq: 17 Sep 2015 14:45

Tgt Ion:173 Resp: 4167
Ion Ratio Lower Upper
173 100
175 599.2 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# 3694

Delta R.T. 0.00 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampled :

GW-1

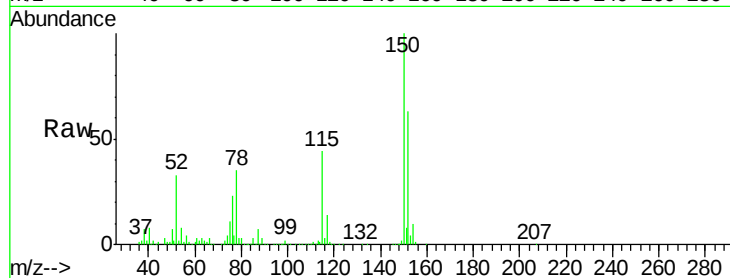
Tgt Ion:152 Resp: 390771

Ion Ratio Lower Upper

152 100

115 68.8 30.8 92.3

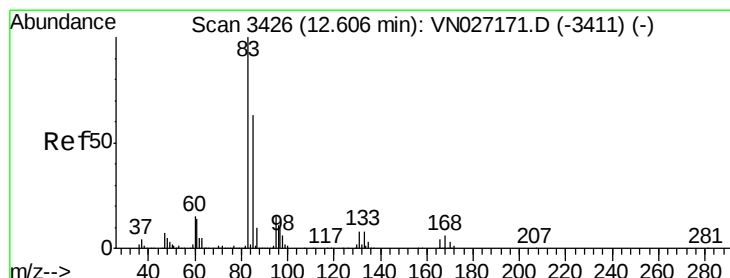
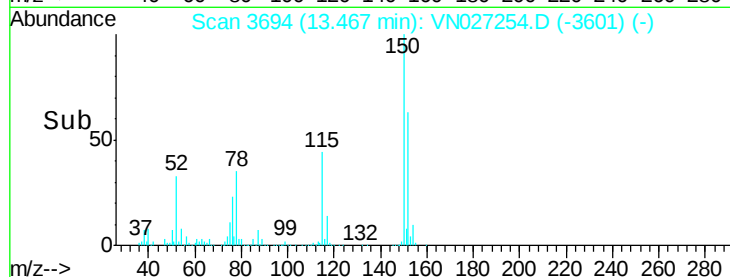
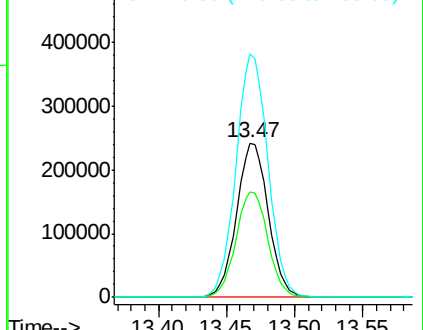
150 159.1 0.0 345.0



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: 12.60 min Scan# 3423

Delta R.T. -0.01 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

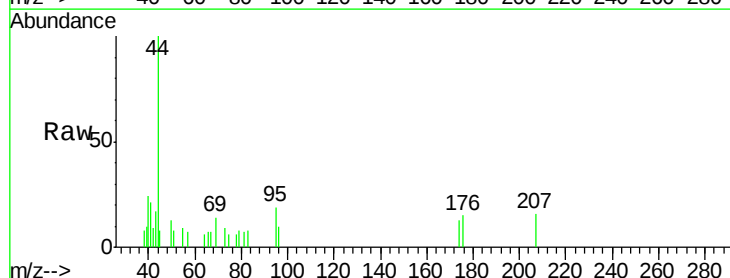
Tgt Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

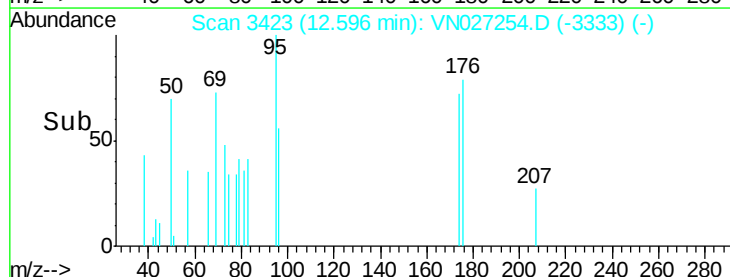
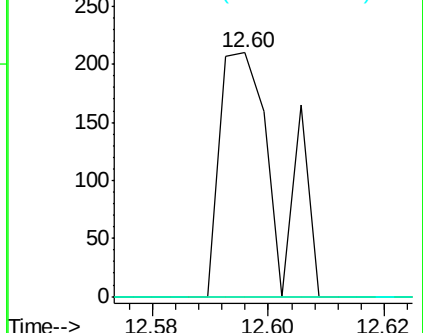
85 0.0 31.9 95.7#

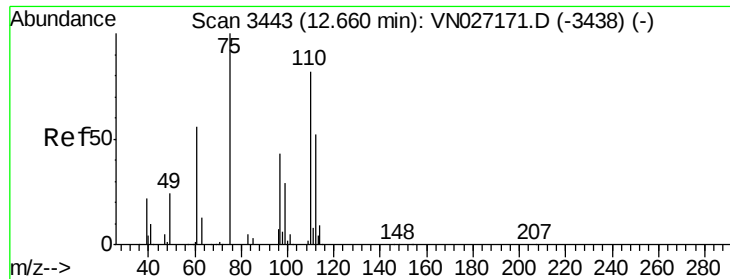


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#77

1,2,3-Trichloropropane

Concen: 31.66 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampled :

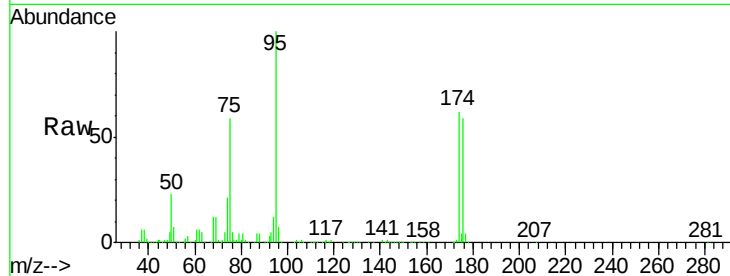
GW-1

Tgt Ion: 75 Resp: 373849

Ion Ratio Lower Upper

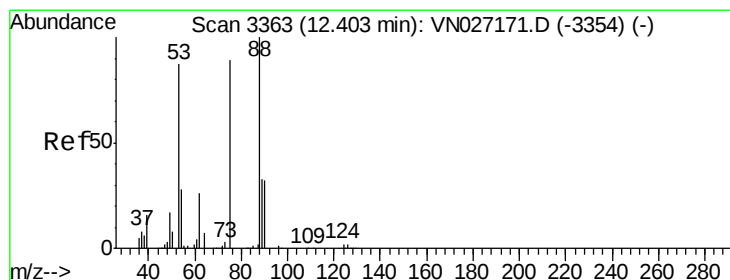
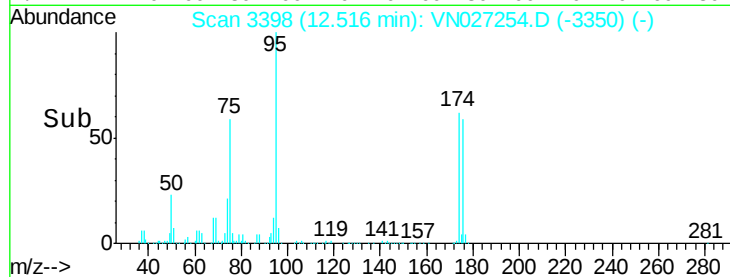
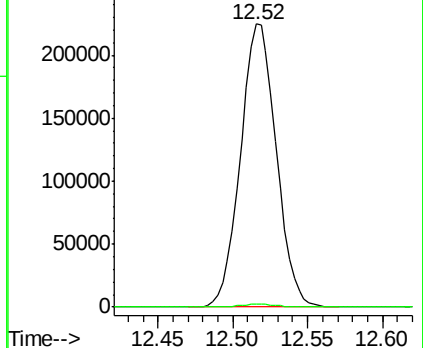
75 100

77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#82

trans-1,4-Dichloro-2-butene

Concen: 77.75 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

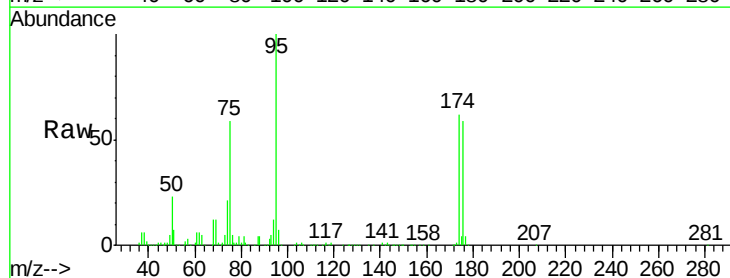
Tgt Ion: 75 Resp: 373849

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

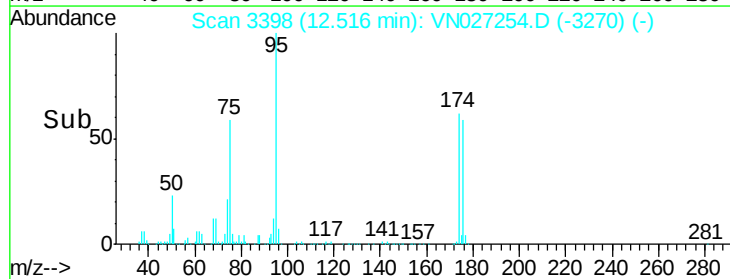
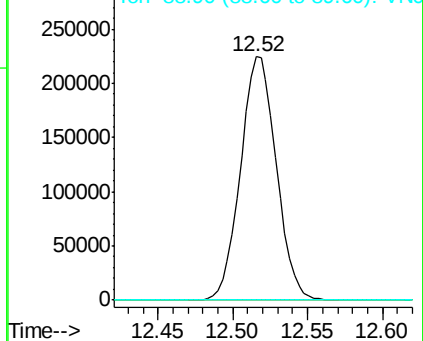
89 0.0 34.2 51.4#

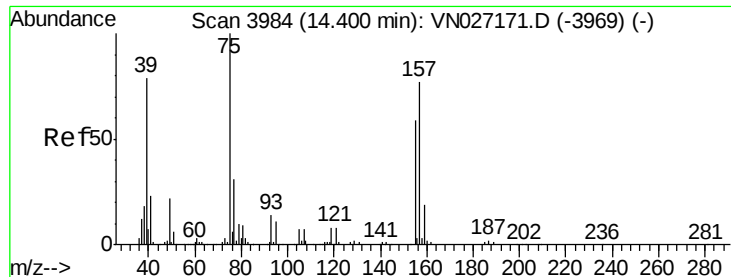


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027254.D

Acq: 17 Sep 2015 14:45

Instrument :

MSVOA_N

ClientSampleId :

GW-1

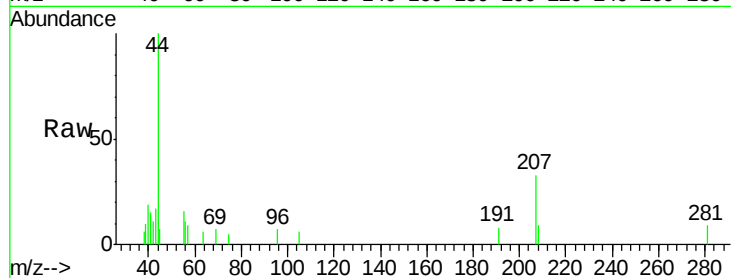
Tgt Ion: 75 Resp: 29

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): VN027254.D (-3890) (-)

Ion 154.80 (154.50 to 155.50): VN027254.D (-3890) (-)

Ion 156.80 (156.50 to 157.50): VN027254.D (-3890) (-)

