

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027256.D
 Acq On : 17 Sep 2015 15:40
 Operator : MD\FY
 Sample : G3663-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-3

Quant Time: Sep 18 01:14:53 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	715288	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1268241	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1050019	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	346228	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	709217	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
36) Dibromofluoromethane	7.68	113	455269	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
51) Toluene-d8	10.19	98	1853339	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
63) 4-Bromofluorobenzene	12.52	95	599881	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

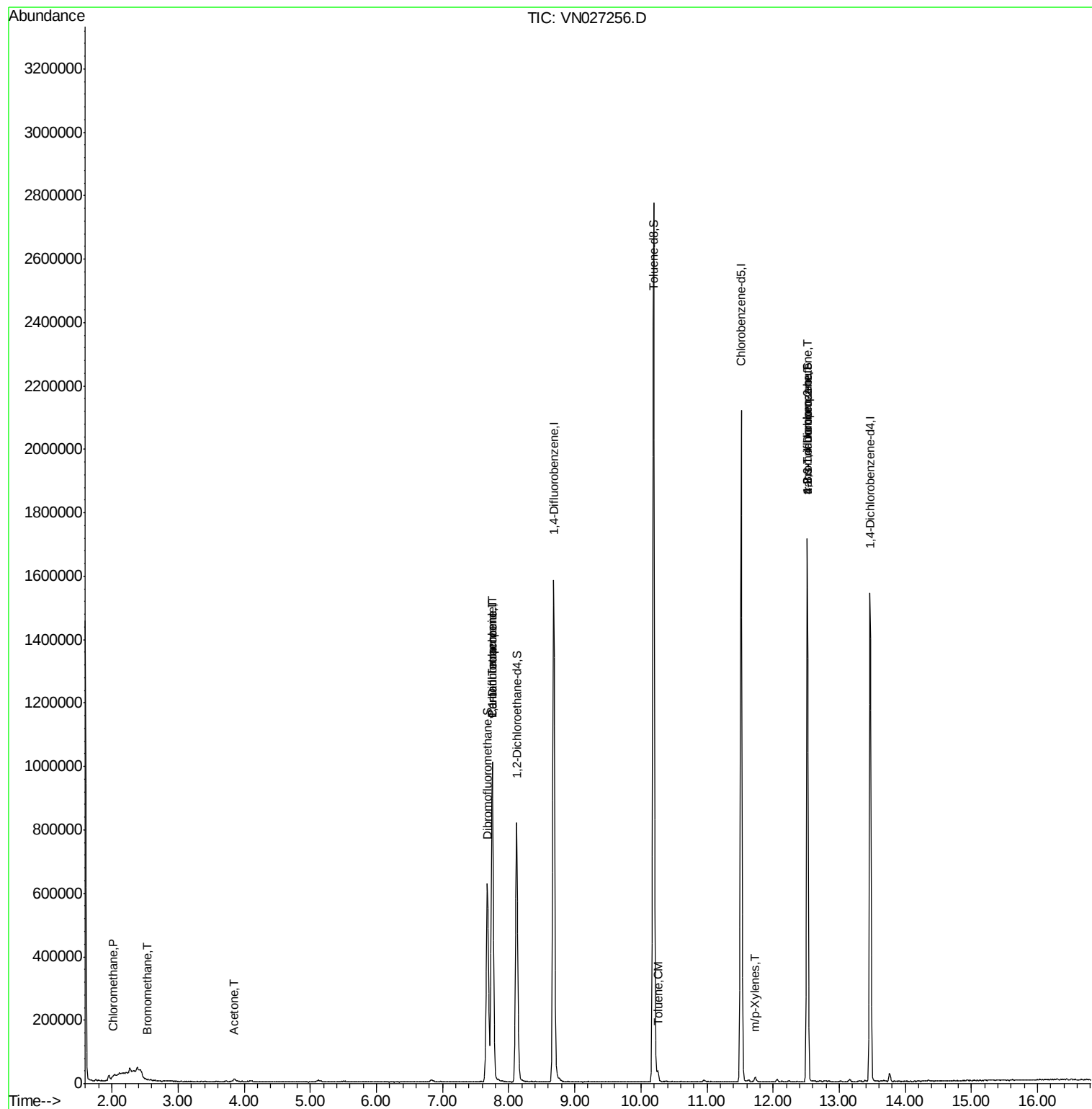
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1787	1.29	ug/l #	84
6) Bromomethane	2.54	94	852	1.77	ug/l	99
17) Acetone	3.85	43	16537	4.19	ug/l #	88
37) 1,1-Dichloropropene	7.75	75	73844	4.97	ug/l #	51
38) Ethyl Acetate	6.99	43	213	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	80645	5.78	ug/l #	16
53) Toluene	10.26	92	9947	0.39	ug/l	86
69) m/p-Xylenes	11.73	106	4172	0.26	ug/l	80
76) 1,1,2,2-Tetrachloroethane	12.51	83	733	Below Cal	#	19
77) 1,2,3-Trichloropropane	12.52	75	344023	32.88	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	344023	80.76	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.61	75	75	Below Cal	#	9

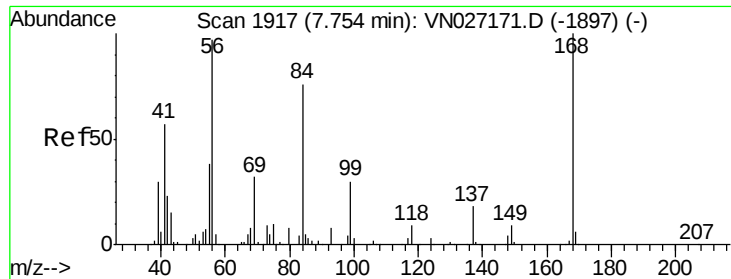
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampled :

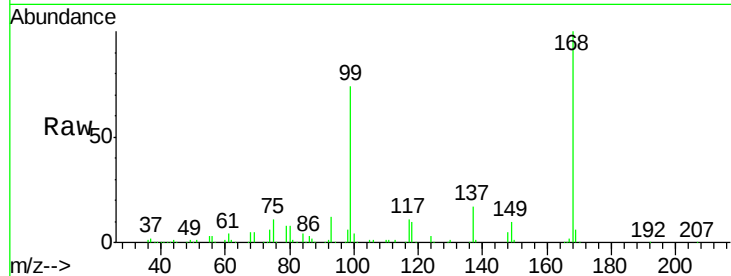
GW-3

Tgt Ion:168 Resp: 715288

Ion Ratio Lower Upper

168 100

99 73.5 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

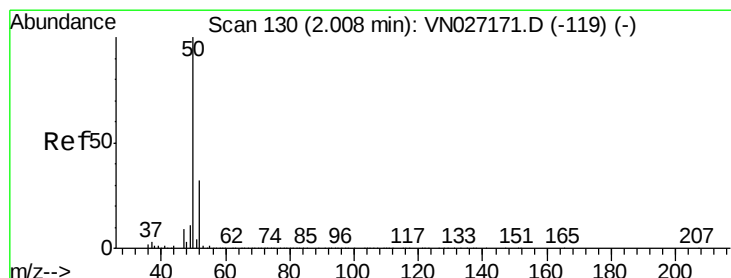
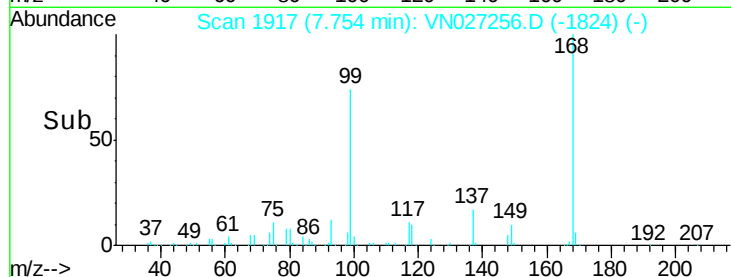
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.29 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027256.D

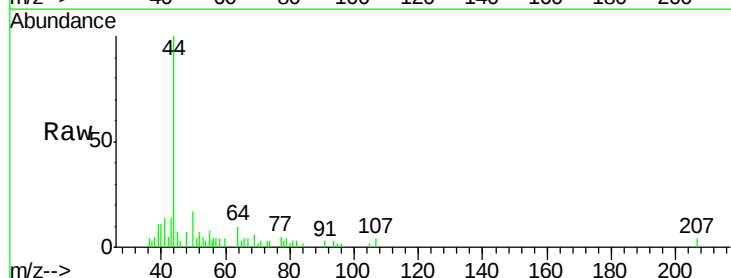
Acq: 17 Sep 2015 15:40

Tgt Ion: 50 Resp: 1787

Ion Ratio Lower Upper

50 100

52 41.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

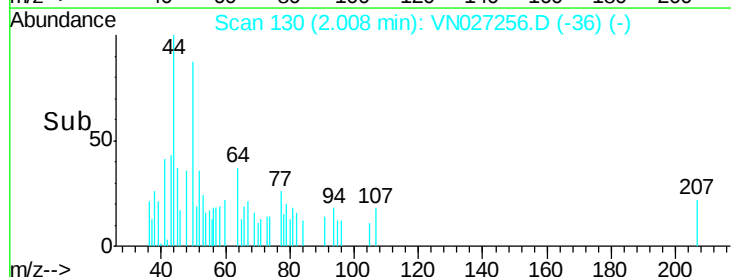
2.01

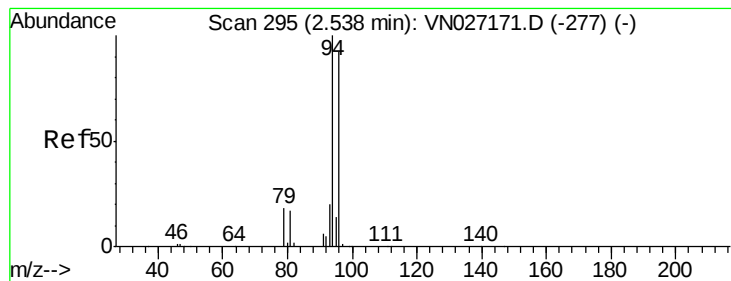
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.77 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampled :

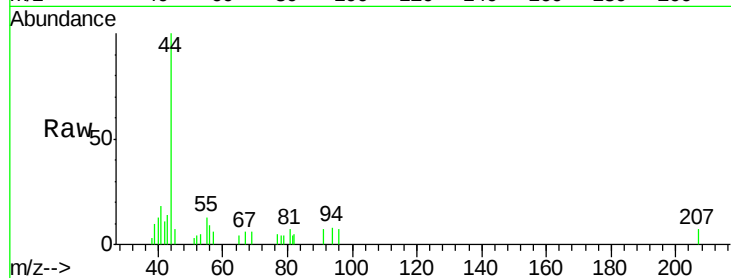
GW-3

Tgt Ion: 94 Resp: 852

Ion Ratio Lower Upper

94 100

96 92.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

2.78

2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

2.91

2.92

2.93

2.94

2.95

2.96

2.97

2.98

2.99

3.00

3.01

3.02

3.03

3.04

3.05

3.06

3.07

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3.09

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3.11

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3.40

3.41

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3.46

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3.49

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3.69

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3.74

3.75

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3.78

3.79

3.80

3.81

3.82

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3.85

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3.89

3.90

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3.93

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3.95

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3.97

3.98

3.99

4.00

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4.39

4.40

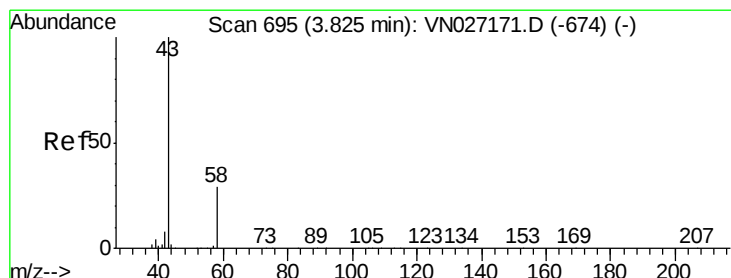
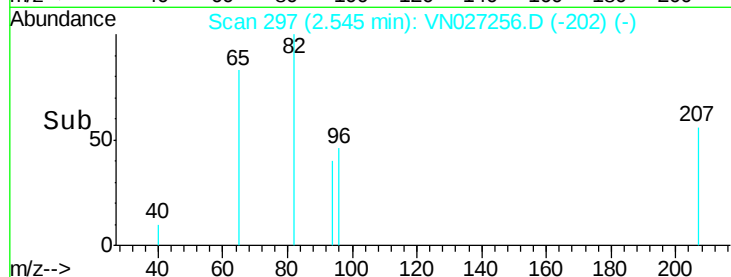
4.41

4.42

4.43

4.44

4.45



#17

Acetone

Concen: 4.19 ug/l

RT: 3.85 min Scan# 704

Delta R.T. 0.03 min

Lab File: VN027256.D

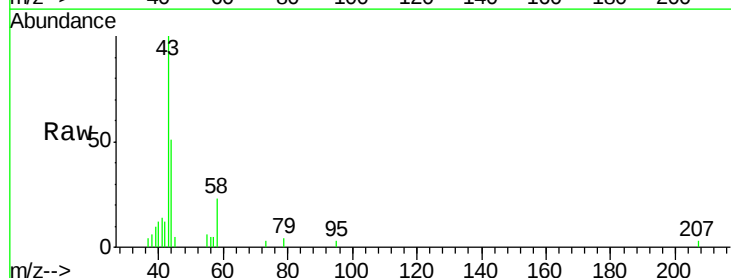
Acq: 17 Sep 2015 15:40

Tgt Ion: 43 Resp: 16537

Ion Ratio Lower Upper

43 100

58 25.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.85

3.86

3.87

3.88

3.89

3.90

3.91

3.92

3.93

3.94

3.95

3.96

3.97

3.98

3.99

4.00

4.01

4.02

4.03

4.04

4.05

4.06

4.07

4.08

4.09

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4.37

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4.39

4.40

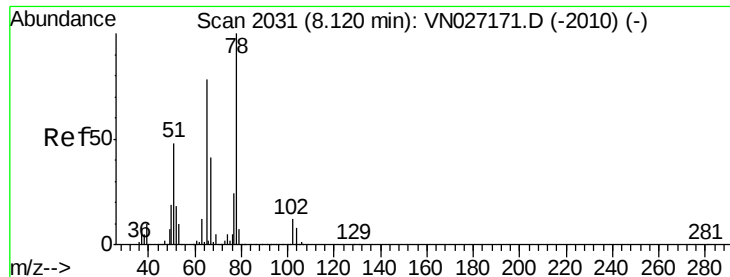
4.41

4.42

4.43

4.44

4.45</



#34

1,2-Dichloroethane-d4

Concen: 48.39 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampleId :

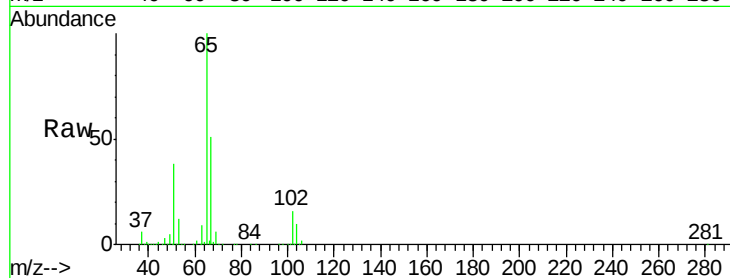
GW-3

Tgt Ion: 65 Resp: 709217

Ion Ratio Lower Upper

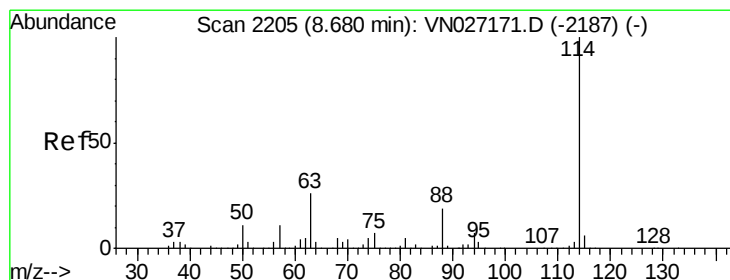
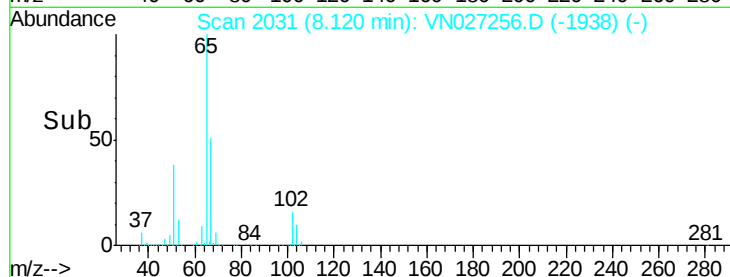
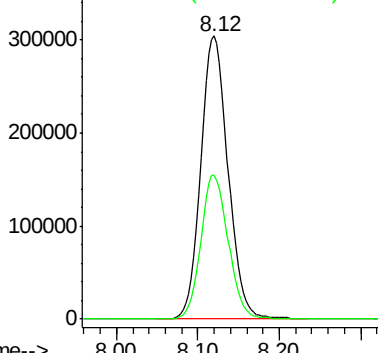
65 100

67 51.0 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: VN027256.D

Acq: 17 Sep 2015 15:40

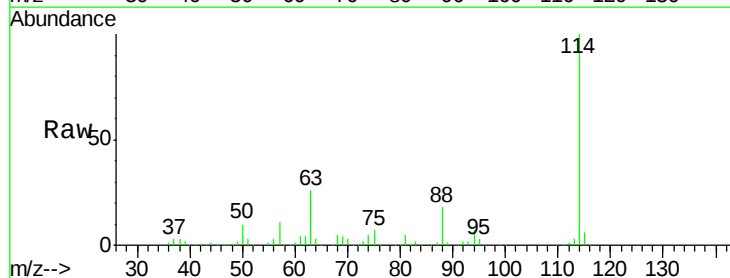
Tgt Ion: 114 Resp: 1268241

Ion Ratio Lower Upper

114 100

63 26.0 0.0 48.8

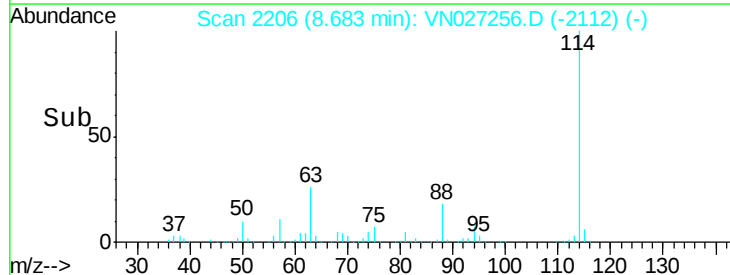
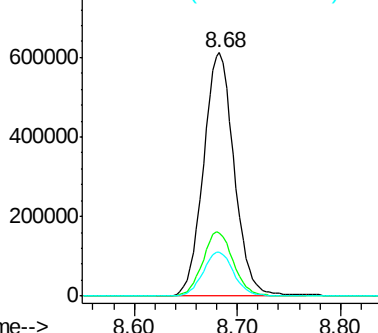
88 18.3 0.0 32.2

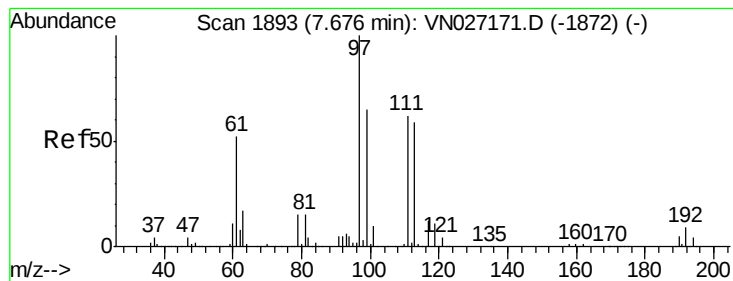


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#36

Dibromofluoromethane

Concen: 51.79 ug/l

RT: 7.68 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampleId :

GW-3

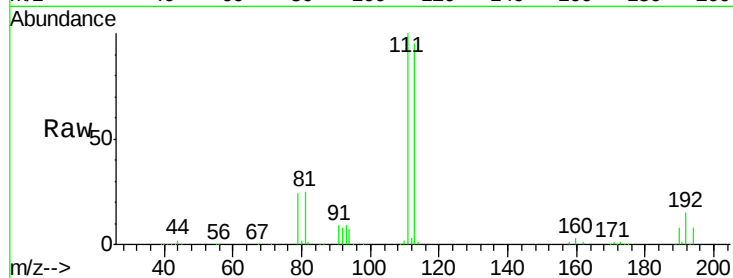
Tgt Ion:113 Resp: 455269

Ion Ratio Lower Upper

113 100

111 105.1 83.0 124.4

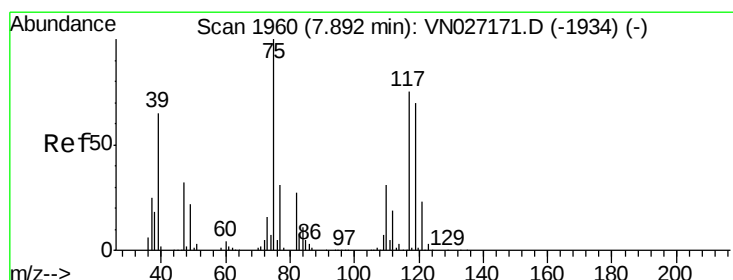
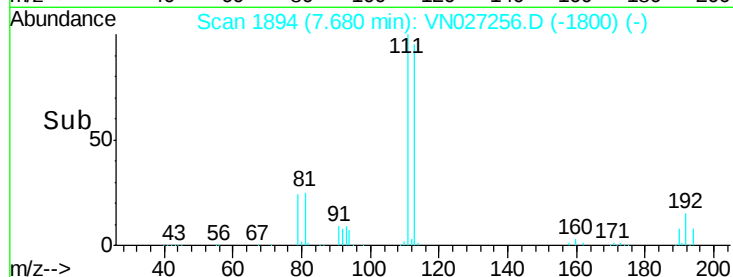
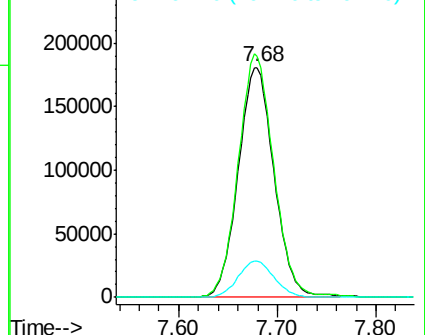
192 15.9 14.1 21.1



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: 4.97 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.14 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

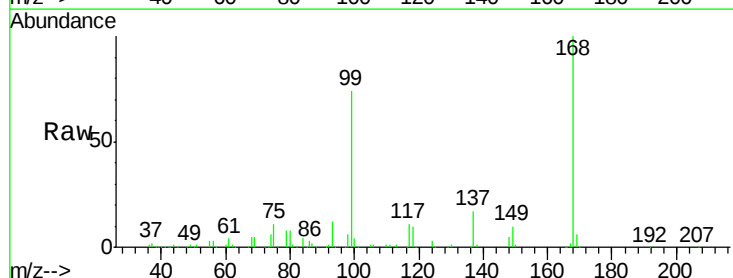
Tgt Ion: 75 Resp: 73844

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.7#

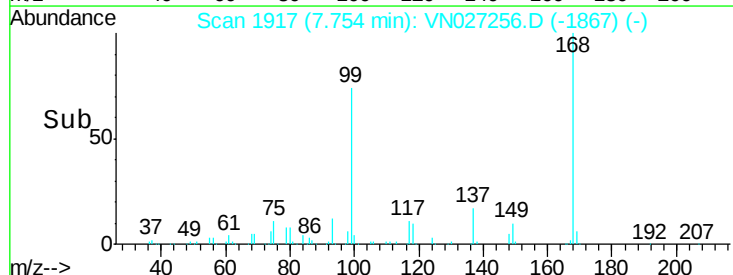
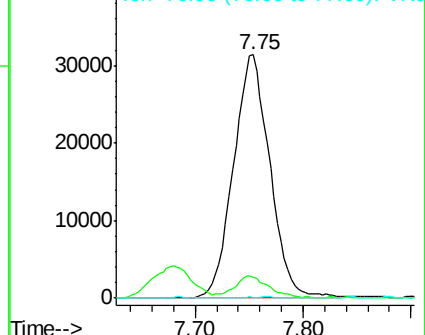
77 0.0 24.9 37.3#

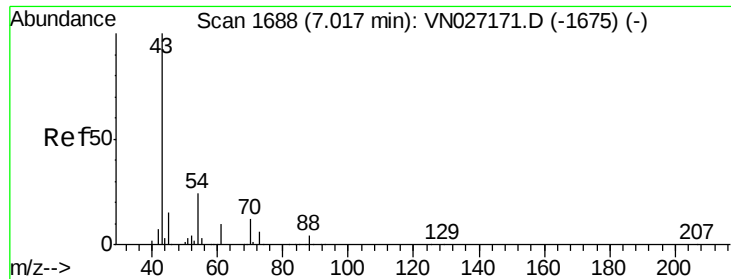


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

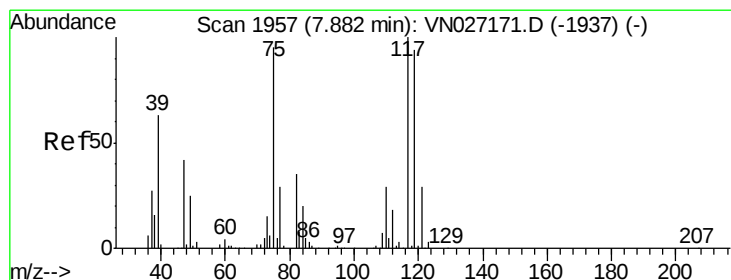
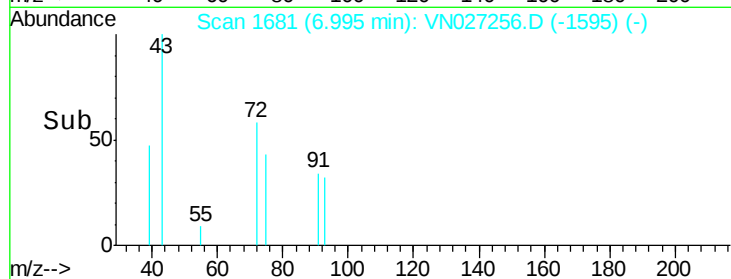
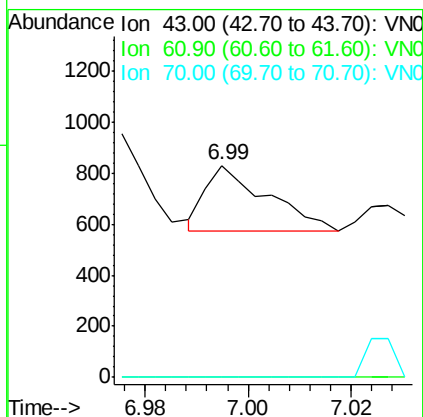
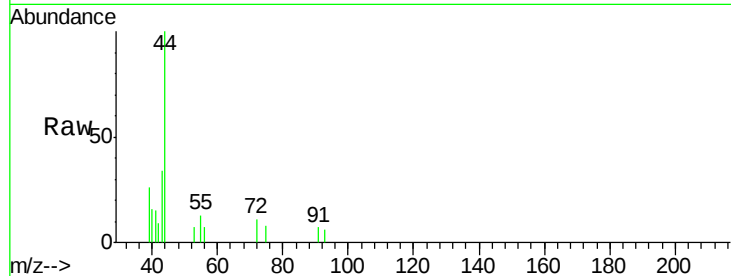




#38
Ethyl Acetate
Concen: Below Cal
RT: 6.99 min Scan# 1681
Delta R.T. -0.02 min
Lab File: VN027256.D
Acq: 17 Sep 2015 15:40

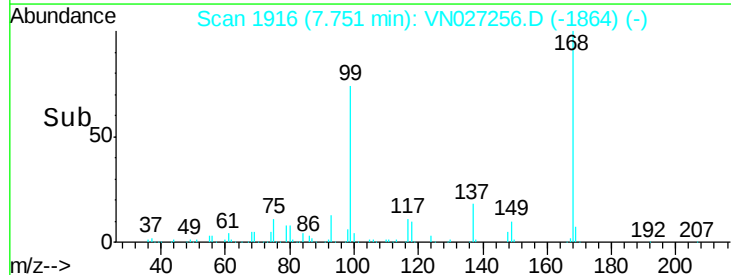
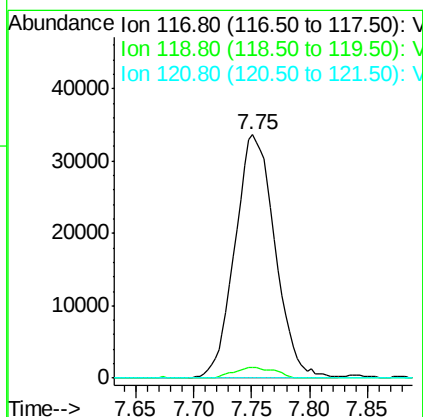
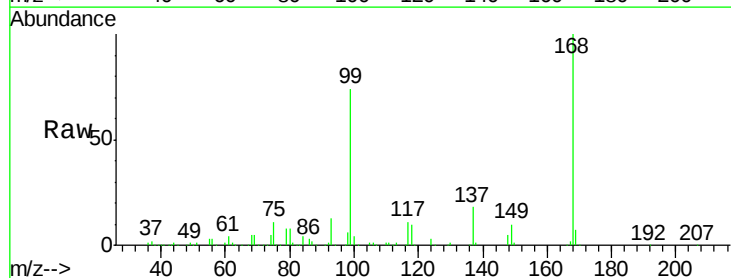
Instrument :
MSVOA_N
ClientSampled :
GW-3

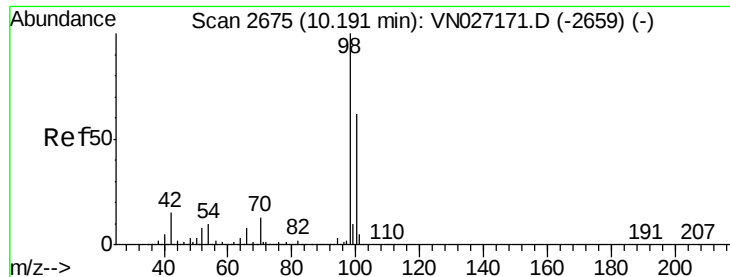
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027256.D
Acq: 17 Sep 2015 15:40

Tgt Ion: 117 Resp: 80645
Ion Ratio Lower Upper
117 100
119 4.3 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 53.84 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampleId :

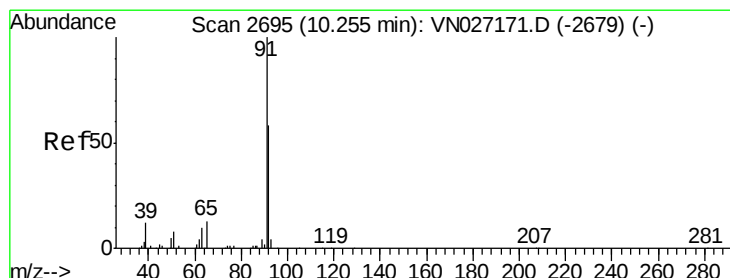
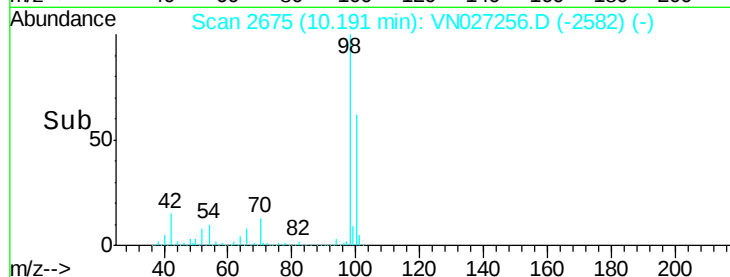
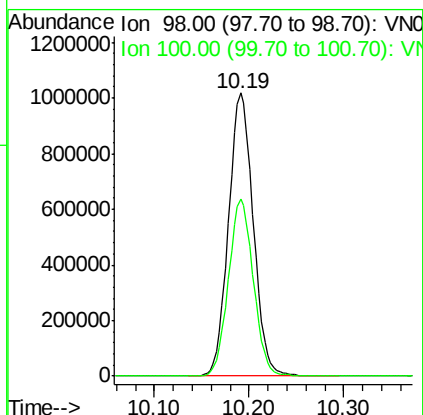
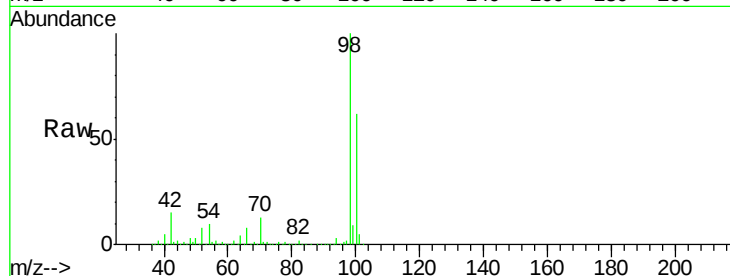
GW-3

Tgt Ion: 98 Resp: 1853339

Ion Ratio Lower Upper

98 100

100 62.7 50.5 75.7



#53

Toluene

Concen: 0.39 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027256.D

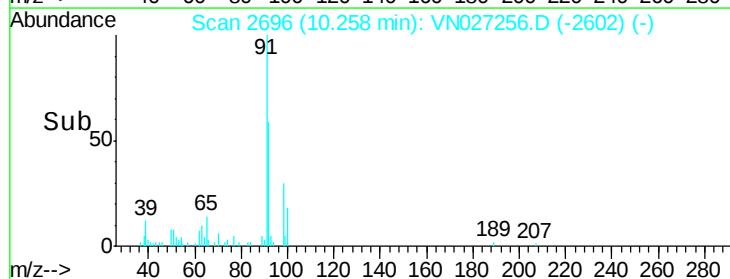
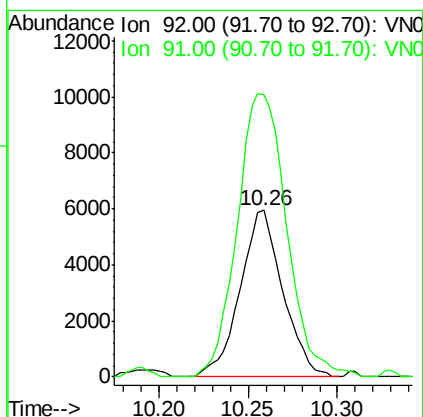
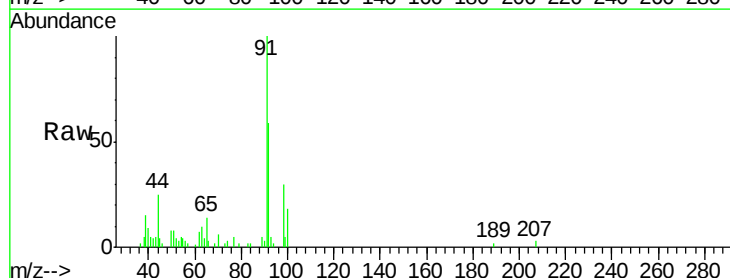
Acq: 17 Sep 2015 15:40

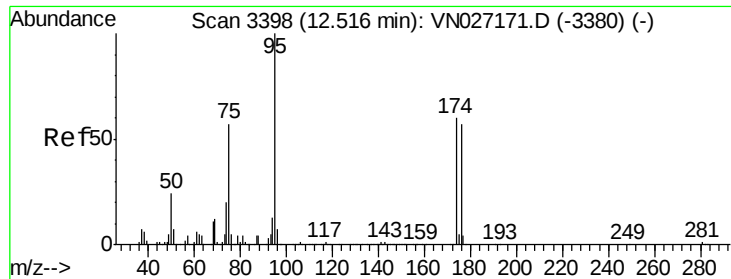
Tgt Ion: 92 Resp: 9947

Ion Ratio Lower Upper

92 100

91 196.7 141.4 212.2

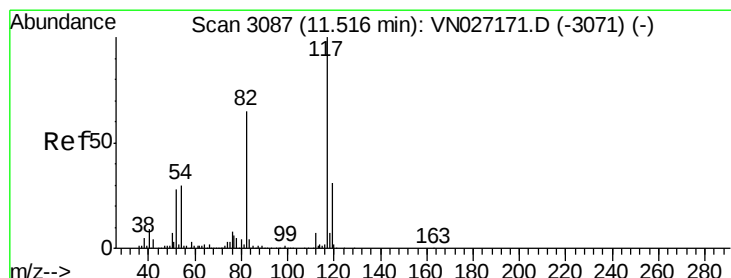
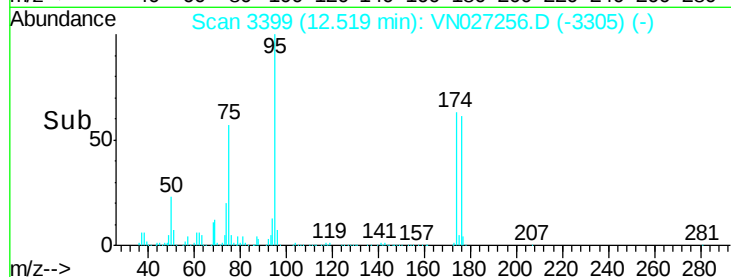
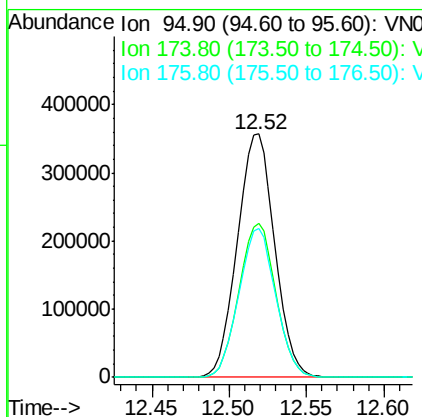
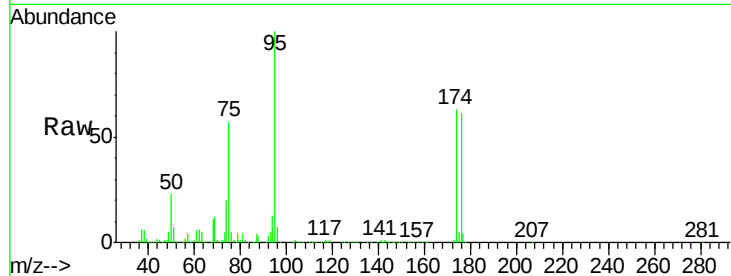




#63
4-Bromofluorobenzene
Concen: 49.10 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027256.D
Acq: 17 Sep 2015 15:40

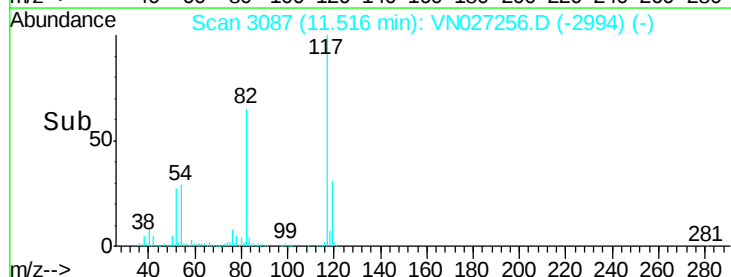
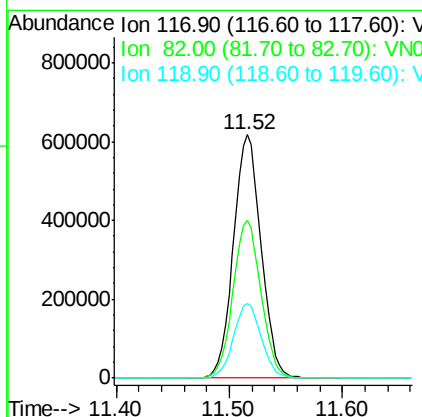
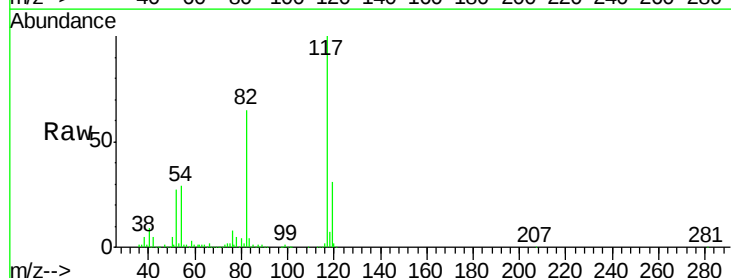
Instrument :
MSVOA_N
ClientSampled :
GW-3

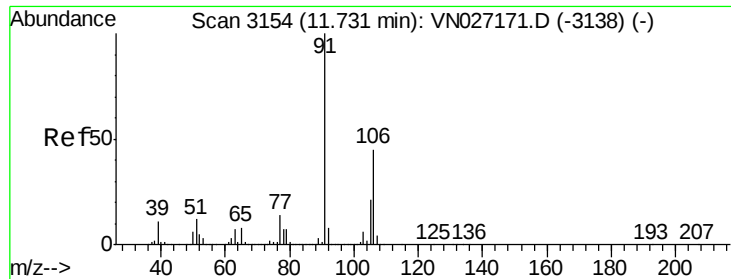
Tgt Ion: 95 Resp: 599881
Ion Ratio Lower Upper
95 100
174 62.6 0.0 137.0
176 60.6 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027256.D
Acq: 17 Sep 2015 15:40

Tgt Ion: 117 Resp: 1050019
Ion Ratio Lower Upper
117 100
82 64.6 49.6 74.4
119 30.8 24.6 36.8





#69

m/p-Xylenes

Concen: 0.26 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampled :

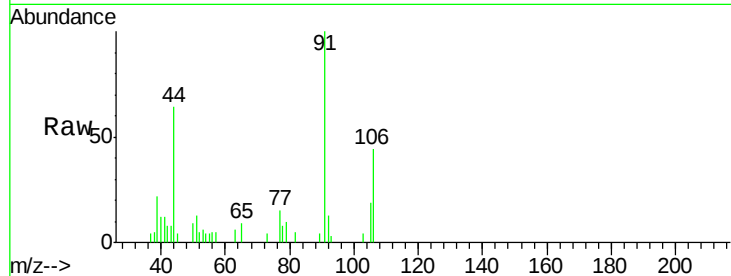
GW-3

Tgt Ion:106 Resp: 4172

Ion Ratio Lower Upper

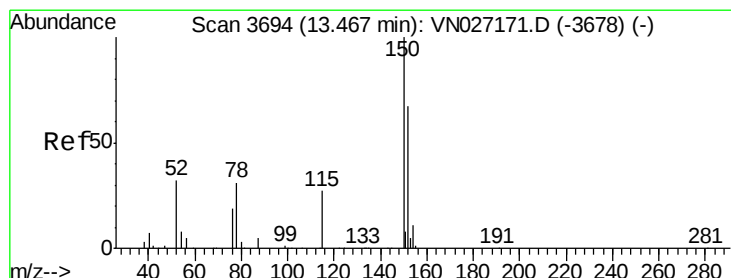
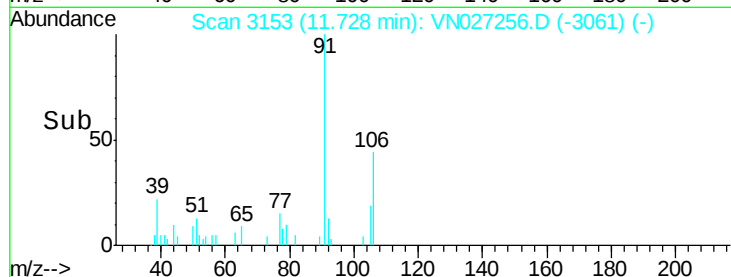
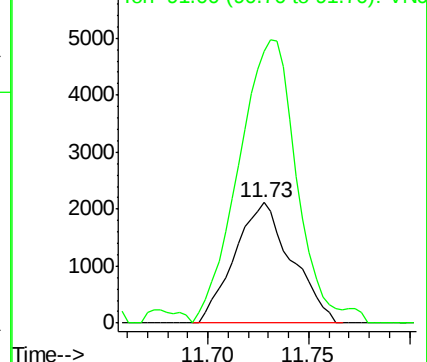
106 100

91 240.4 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

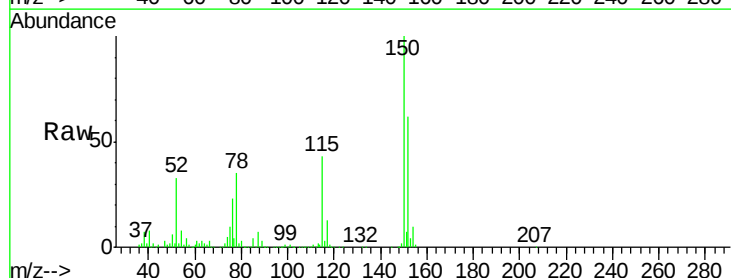
Tgt Ion:152 Resp: 346228

Ion Ratio Lower Upper

152 100

115 68.8 30.8 92.3

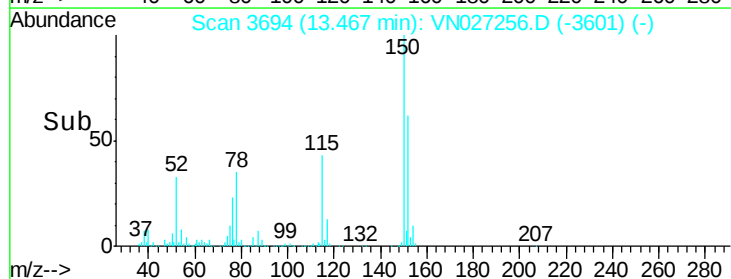
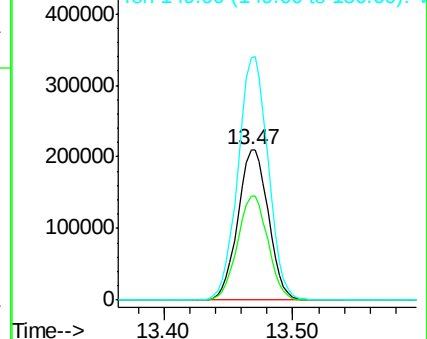
150 160.1 0.0 345.0

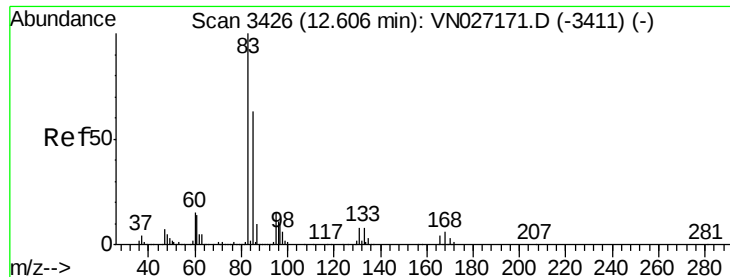


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.51 min Scan# 3397

Delta R.T. -0.09 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampleId :

GW-3

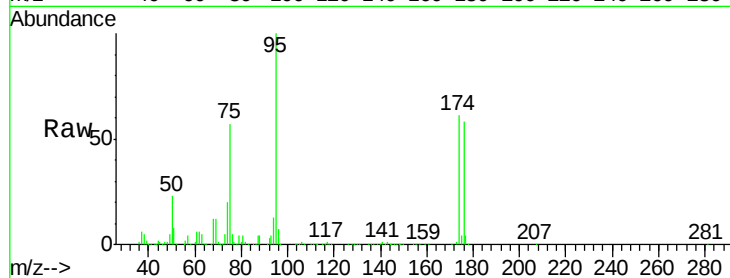
Tgt Ion: 83 Resp: 733

Ion Ratio Lower Upper

83 100

131 98.5 4.1 12.3#

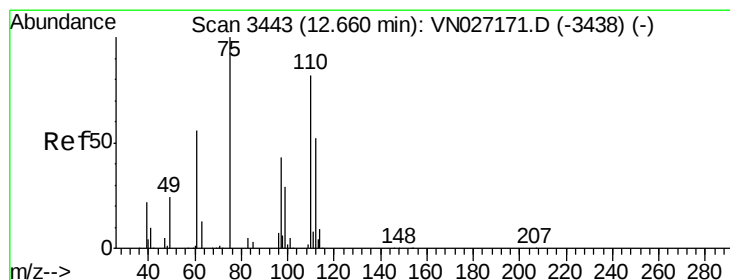
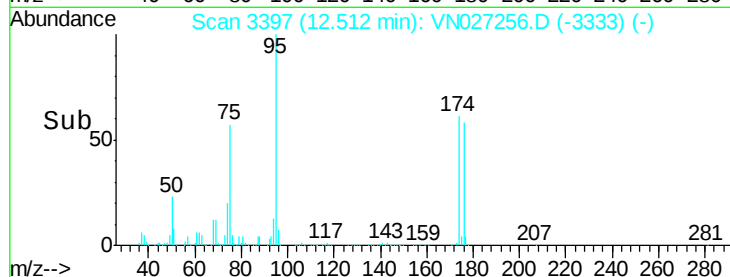
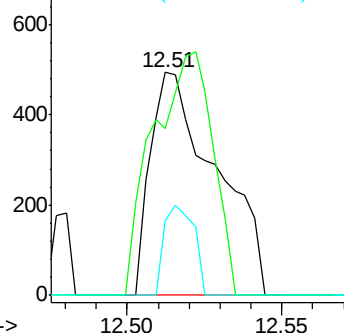
85 18.1 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#77

1,2,3-Trichloropropane

Concen: 32.88 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027256.D

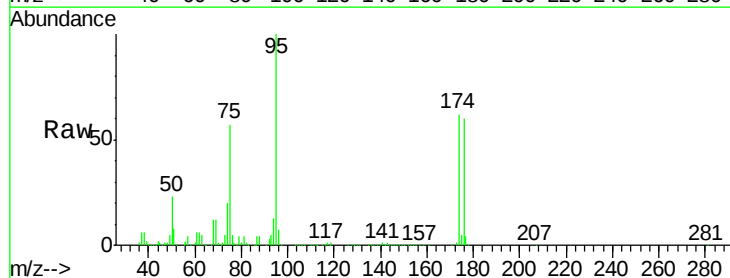
Acq: 17 Sep 2015 15:40

Tgt Ion: 75 Resp: 344023

Ion Ratio Lower Upper

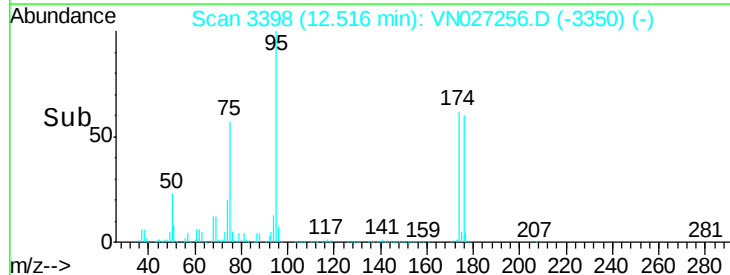
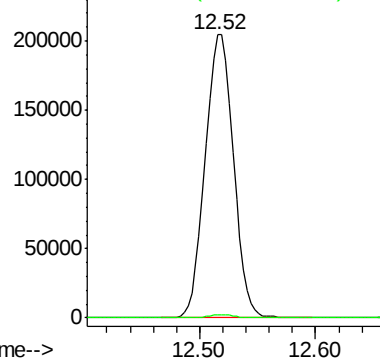
75 100

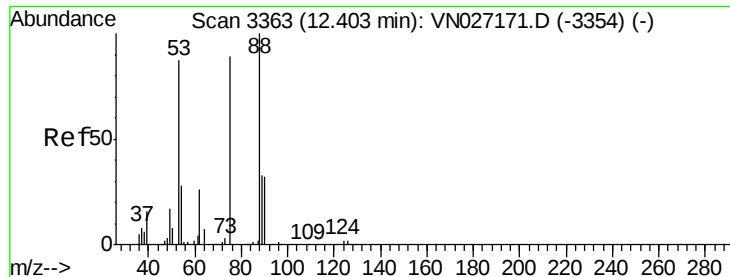
77 1.2 103.1 309.3#



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: 80.76 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

Instrument :

MSVOA_N

ClientSampleId :

GW-3

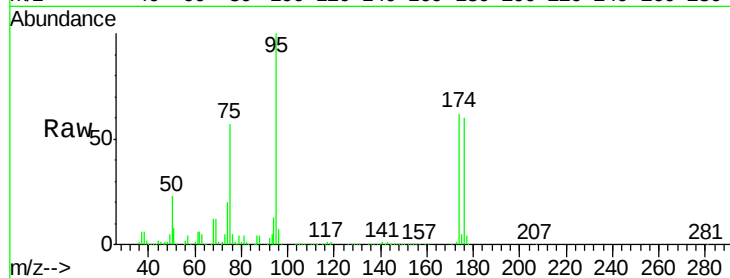
Tgt Ion: 75 Resp: 344023

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

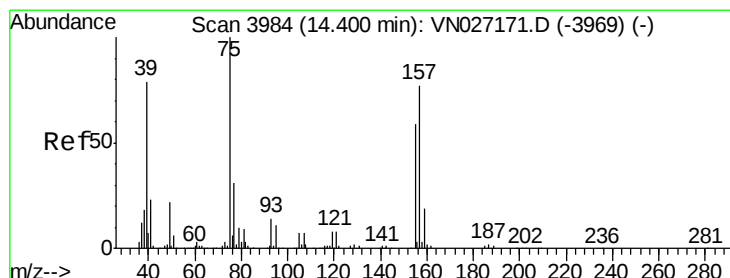
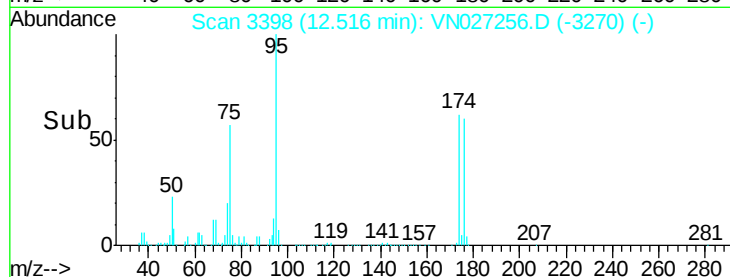
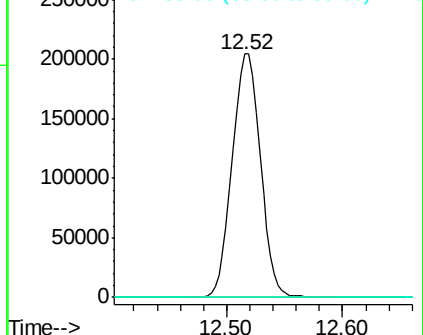
89 0.0 34.2 51.4#



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



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.61 min Scan# 4050

Delta R.T. 0.21 min

Lab File: VN027256.D

Acq: 17 Sep 2015 15:40

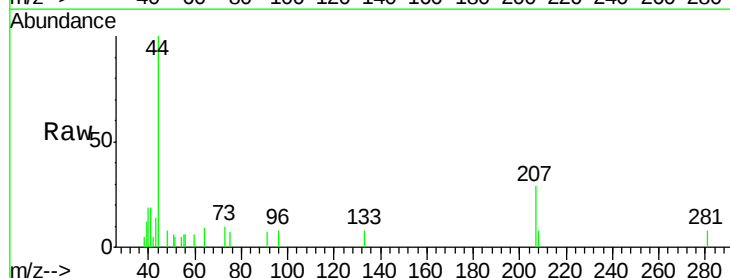
Tgt Ion: 75 Resp: 75

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

