

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027255.D
 Acq On : 17 Sep 2015 15:12
 Operator : MD\FY
 Sample : G3663-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-2

Quant Time: Sep 18 01:14:38 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	728937	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1318809	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1102166	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	377355	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	732273	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
36) Dibromofluoromethane	7.68	113	469111	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
51) Toluene-d8	10.19	98	1909491	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
63) 4-Bromofluorobenzene	12.52	95	624375	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

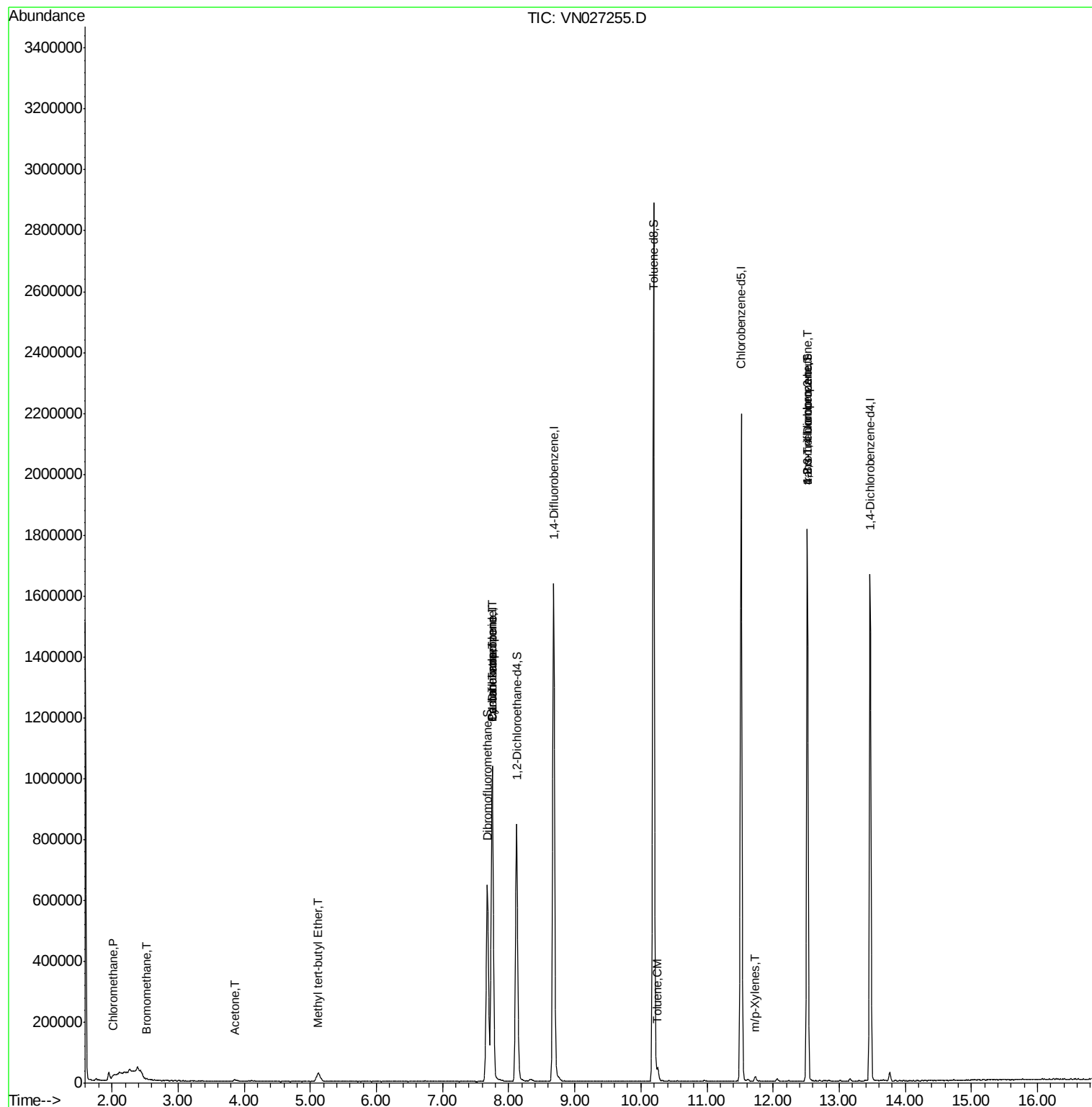
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1334	1.24	ug/l #	88
6) Bromomethane	2.53	94	226	1.64	ug/l #	4
17) Acetone	3.85	43	7590	1.88	ug/l #	84
20) Methyl tert-butyl Ether	5.12	73	51218	1.36	ug/l	100
32) Cyclohexane	7.75	56	23779	0.24	ug/l #	1
37) 1,1-Dichloropropene	7.75	75	76810	4.98	ug/l #	51
38) Ethyl Acetate	7.00	43	849	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	84234	5.80	ug/l #	16
53) Toluene	10.26	92	14899	0.56	ug/l	99
69) m/p-Xylenes	11.72	106	4632	0.27	ug/l	94
76) 1,1,2,2-Tetrachloroethane	12.56	83	62	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	363717	31.89	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	363717	78.34	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.21	75	64	Below Cal	#	9

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Sep 18 01:14:38 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

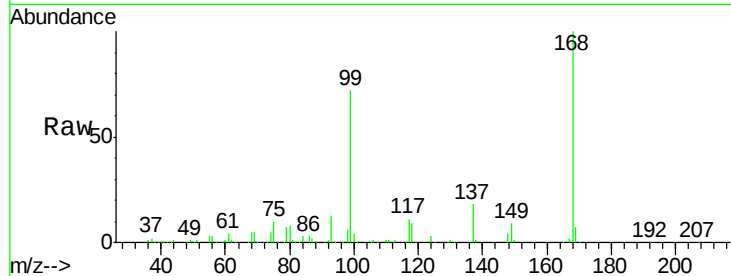
Instrument :
MSVOA_N
ClientSampleId :
GW-2

Tgt Ion:168 Resp: 728937

Ion Ratio Lower Upper

168 100

99 71.9 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.75

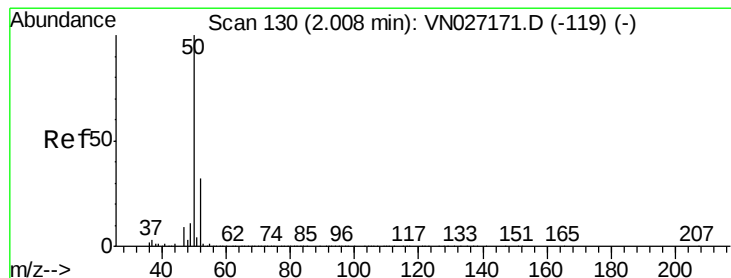
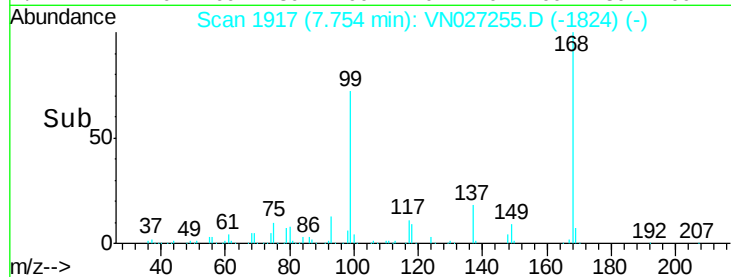
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.24 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027255.D

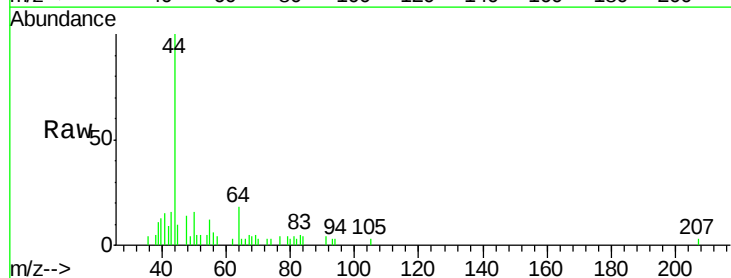
Acq: 17 Sep 2015 15:12

Tgt Ion: 50 Resp: 1334

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.01

1200

1000

800

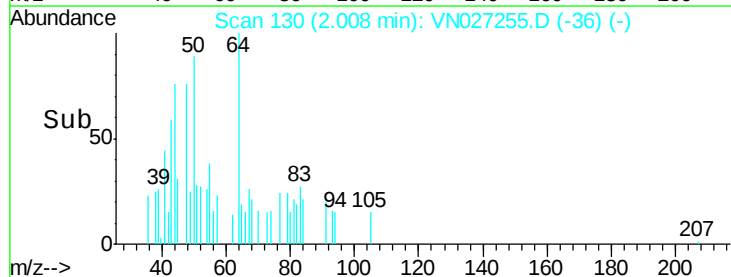
600

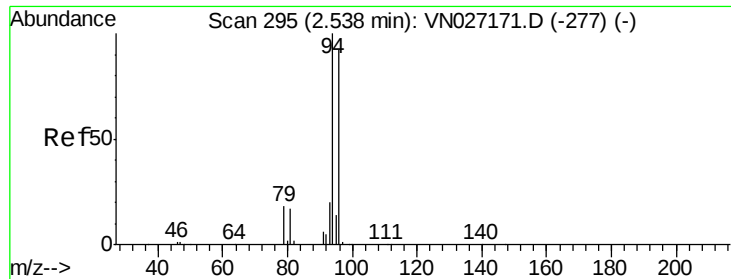
400

200

0

Time-->





#6

Bromomethane

Concen: 1.64 ug/l

RT: 2.53 min Scan# 291

Delta R.T. -0.01 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

Instrument :

MSVOA_N

ClientSampled :

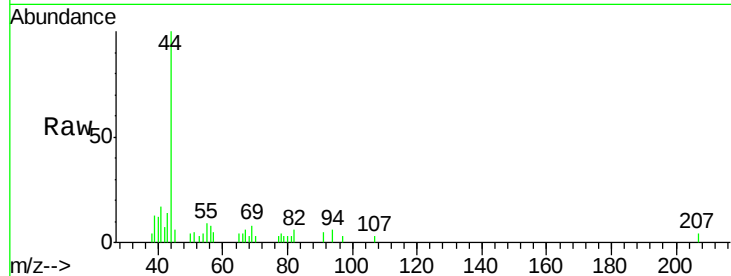
GW-2

Tgt Ion: 94 Resp: 226

Ion Ratio Lower Upper

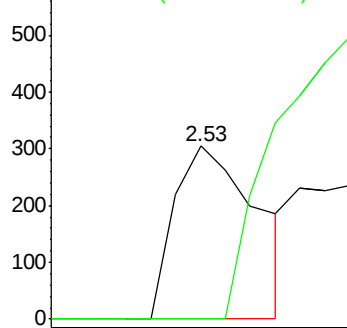
94 100

96 0.0 73.4 110.2#

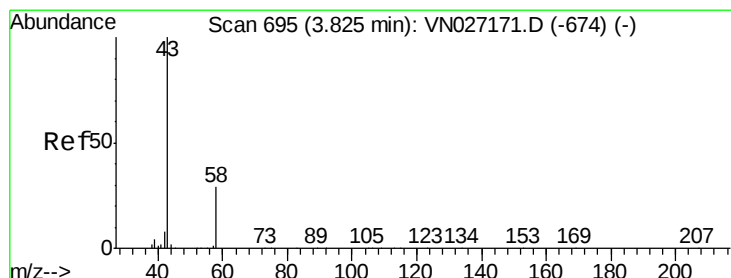
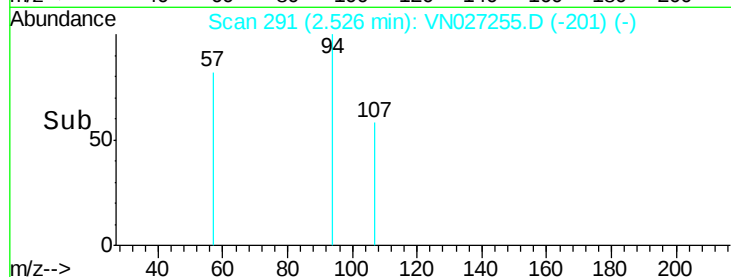


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#17

Acetone

Concen: 1.88 ug/l

RT: 3.85 min Scan# 703

Delta R.T. 0.03 min

Lab File: VN027255.D

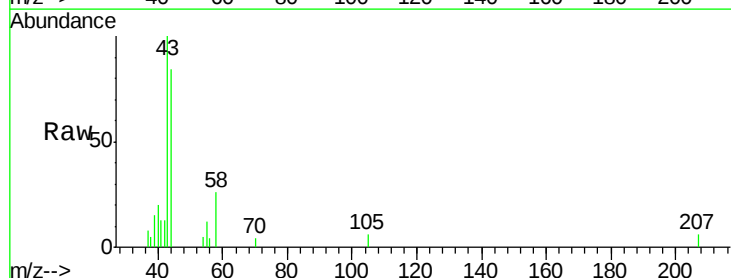
Acq: 17 Sep 2015 15:12

Tgt Ion: 43 Resp: 7590

Ion Ratio Lower Upper

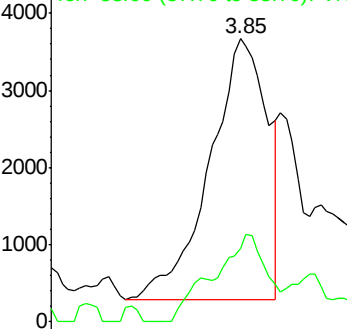
43 100

58 22.7 25.4 38.0#

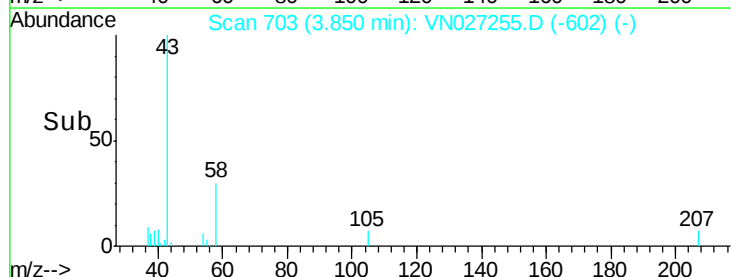


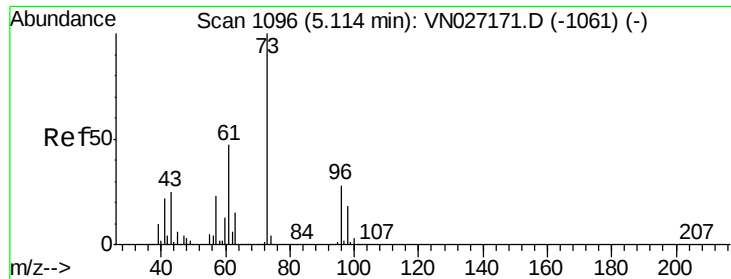
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#20

Methyl tert-butyl Ether

Concen: 1.36 ug/l

RT: 5.12 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

Instrument :

MSVOA_N

ClientSampled :

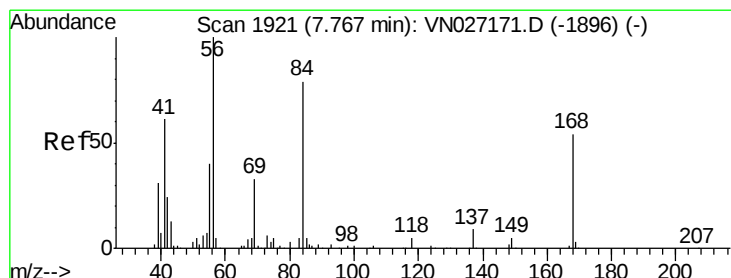
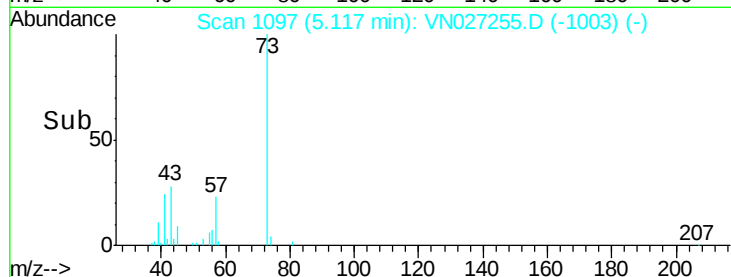
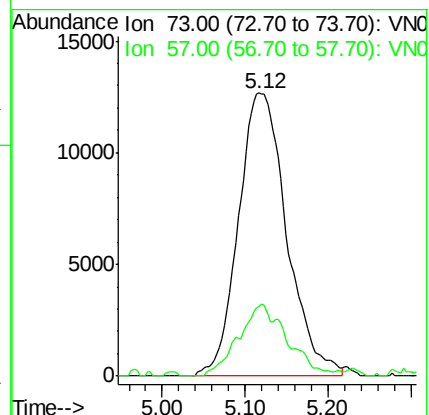
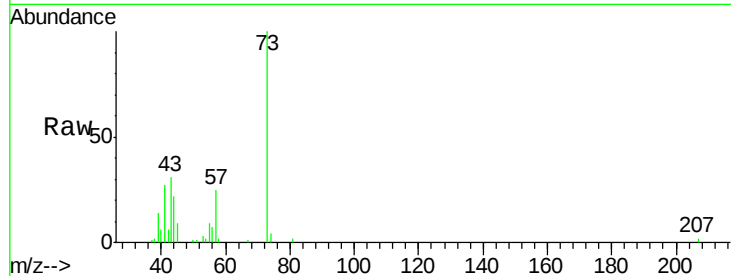
GW-2

Tgt Ion: 73 Resp: 51218

Ion Ratio Lower Upper

73 100

57 24.6 19.8 29.6



#32

Cyclohexane

Concen: 0.24 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

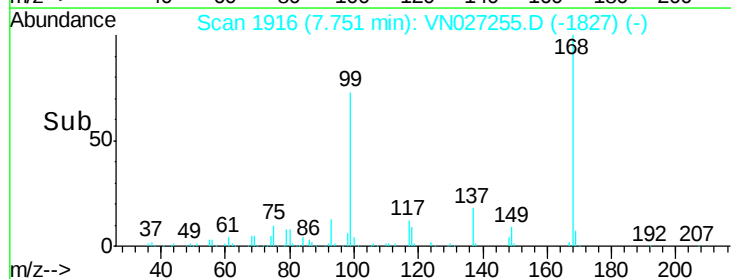
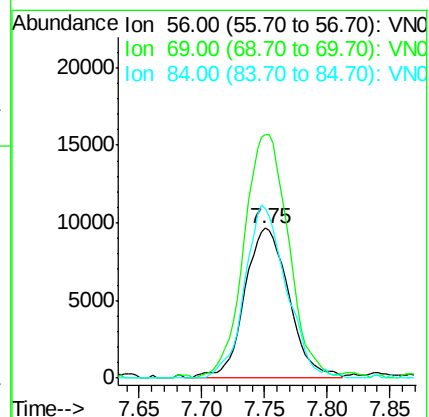
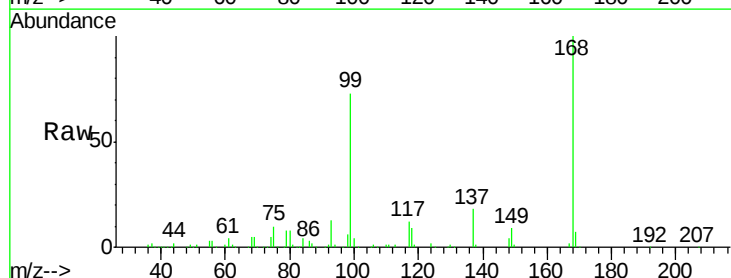
Tgt Ion: 56 Resp: 23779

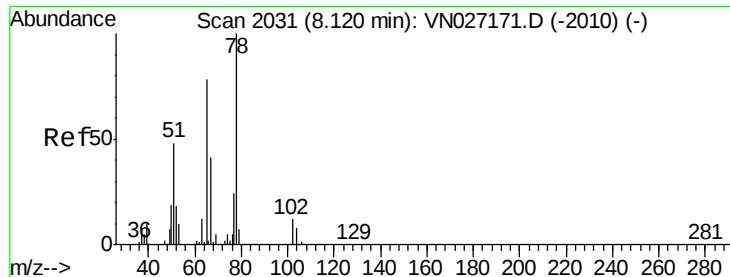
Ion Ratio Lower Upper

56 100

69 162.0 23.0 34.4#

84 113.0 57.8 86.8#

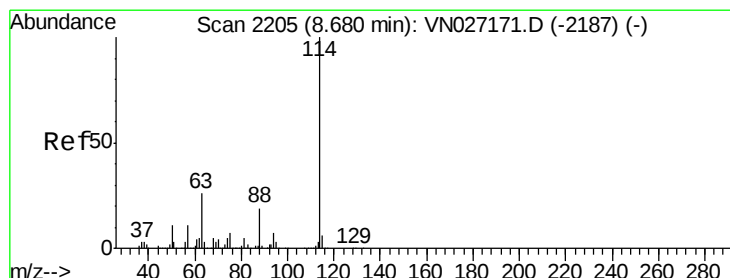
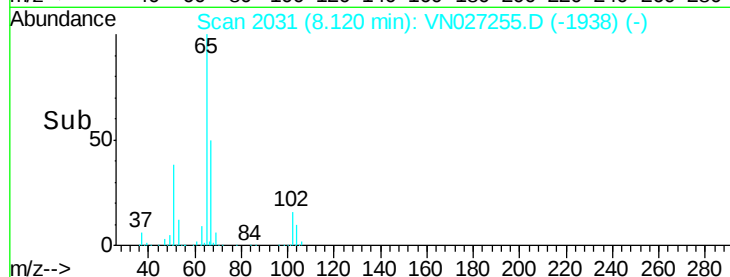
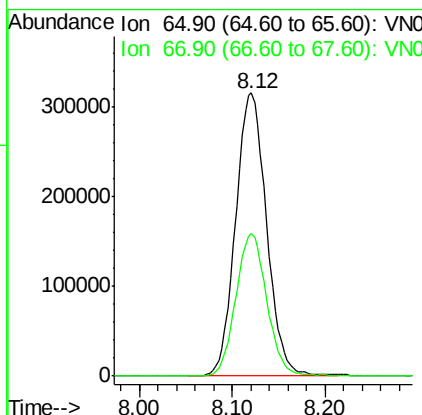
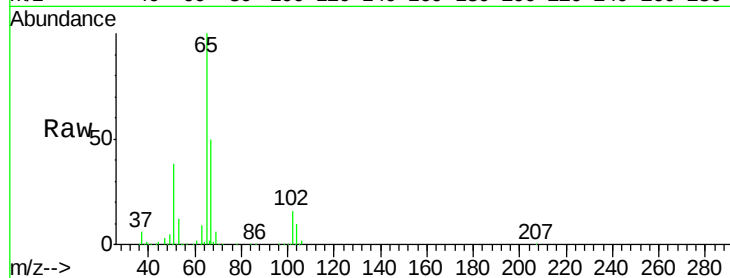




#34
 1,2-Dichloroethane-d4
 Concen: 49.03 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027255.D
 Acq: 17 Sep 2015 15:12

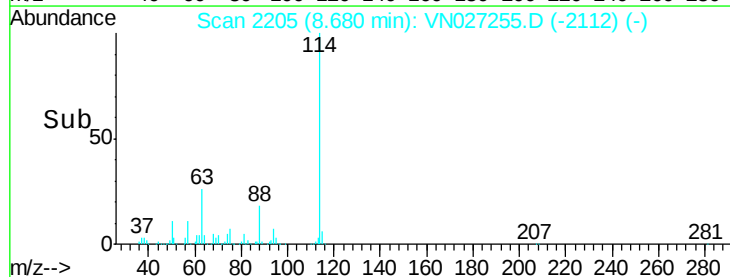
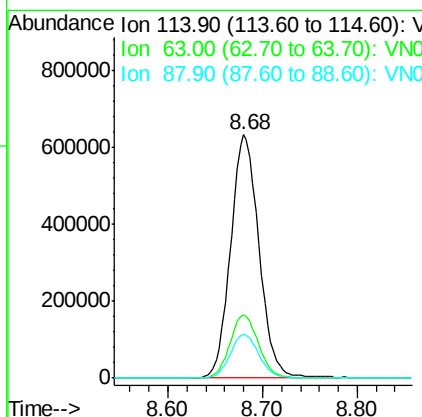
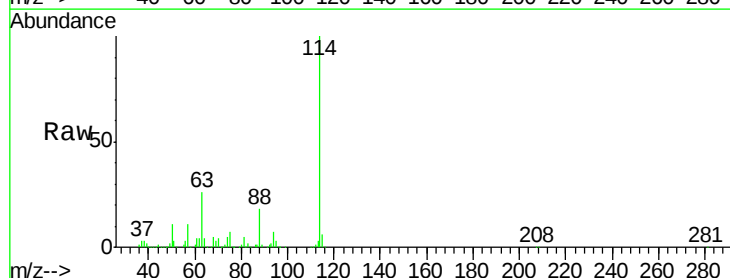
Instrument :
 MSVOA_N
 ClientSampled :
 GW-2

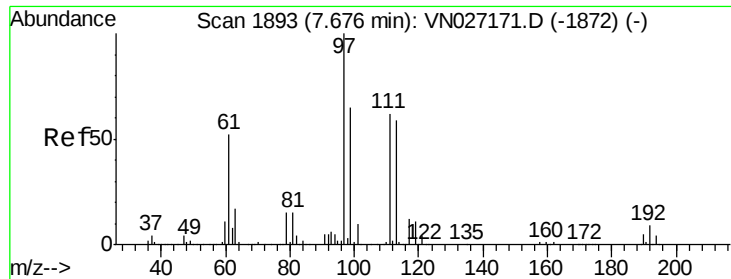
Tgt Ion: 65 Resp: 732273
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027255.D
 Acq: 17 Sep 2015 15:12

Tgt Ion: 114 Resp: 1318809
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 48.8
 88 18.2 0.0 32.2

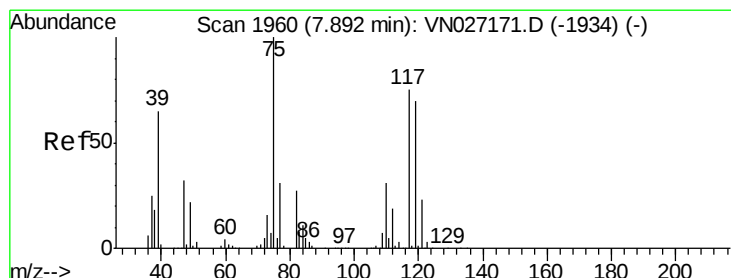
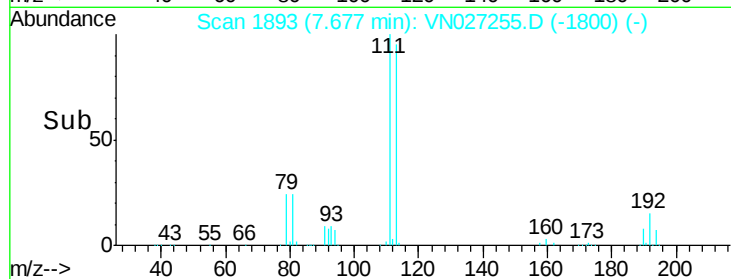
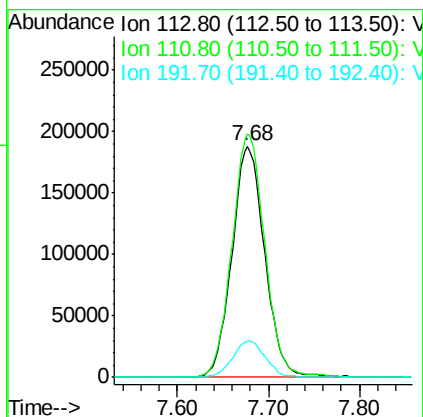
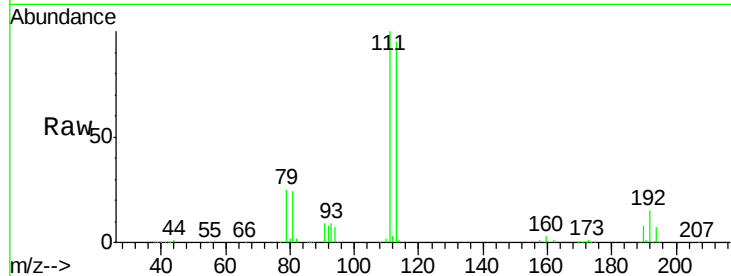




#36
 Dibromofluoromethane
 Concen: 51.32 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027255.D
 Acq: 17 Sep 2015 15:12

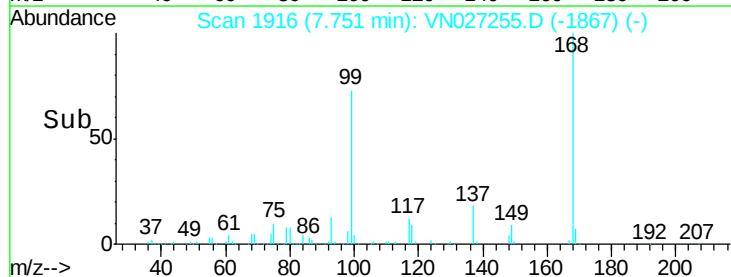
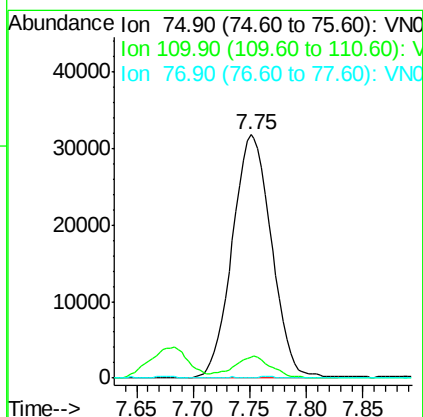
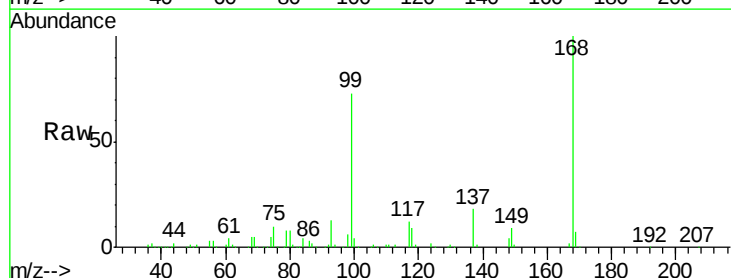
Instrument :
 MSVOA_N
 ClientSampled :
 GW-2

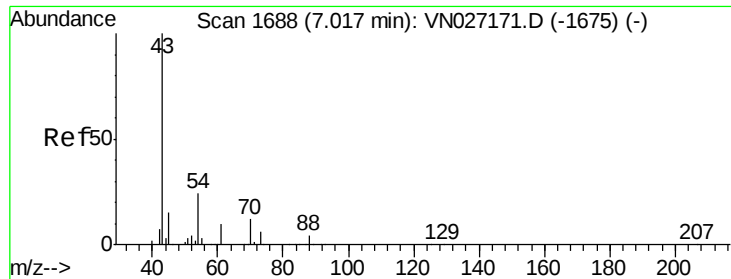
Tgt Ion: 113 Resp: 469111
 Ion Ratio Lower Upper
 113 100
 111 106.2 83.0 124.4
 192 15.8 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 4.98 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027255.D
 Acq: 17 Sep 2015 15:12

Tgt Ion: 75 Resp: 76810
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.9 47.7#
 77 0.2 24.9 37.3#

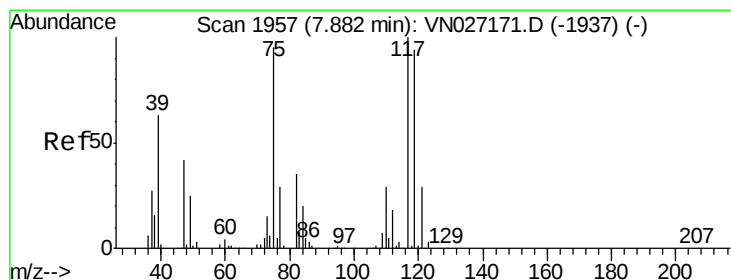
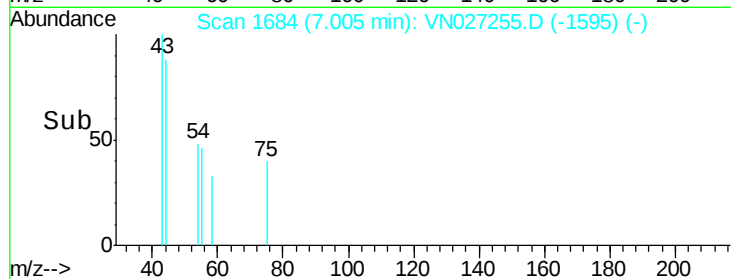
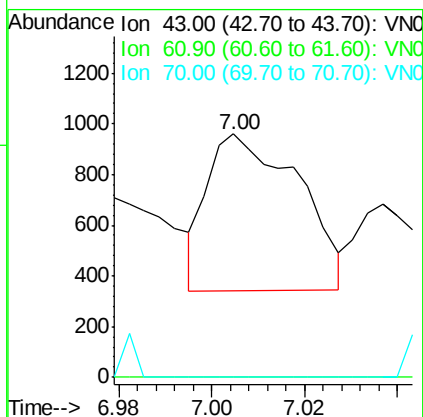
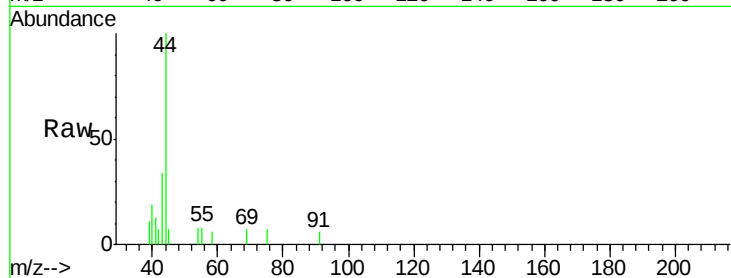




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.00 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

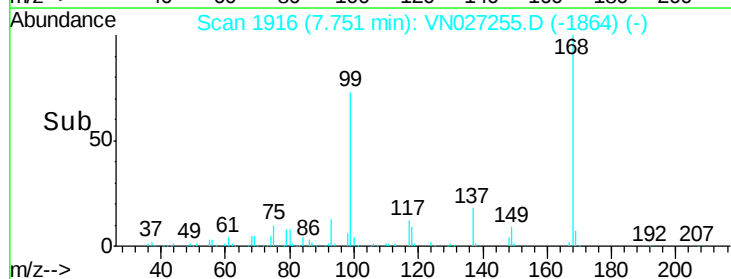
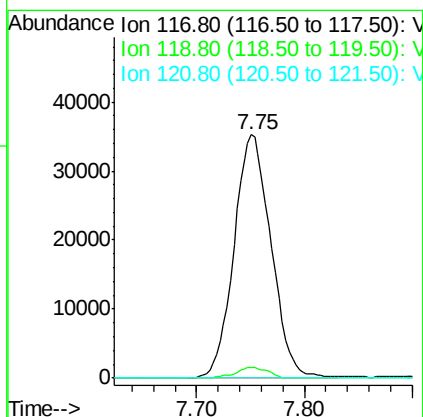
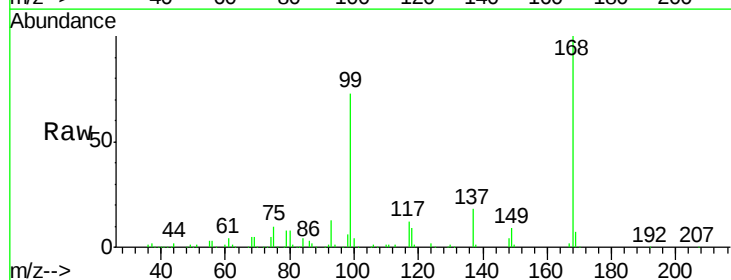
Instrument :
MSVOA_N
ClientSampled :
GW-2

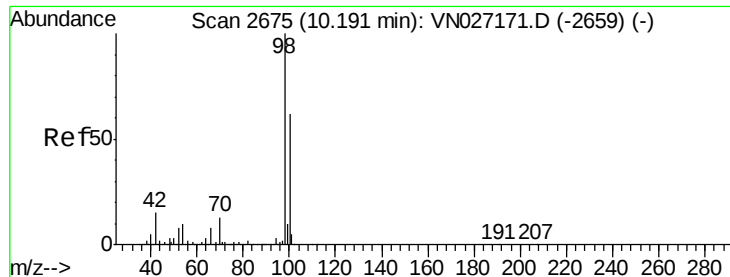
Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

Tgt Ion: 117 Resp: 84234
Ion Ratio Lower Upper
117 100
119 4.3 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 53.35 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

Instrument :

MSVOA_N

ClientSampleId :

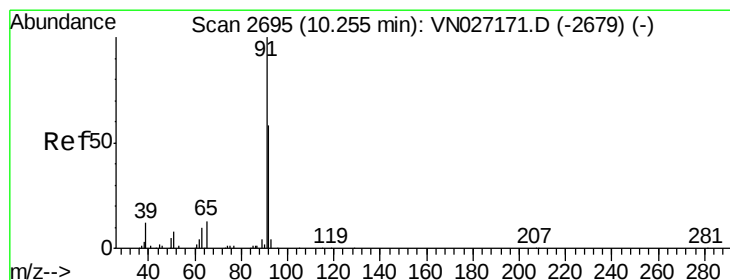
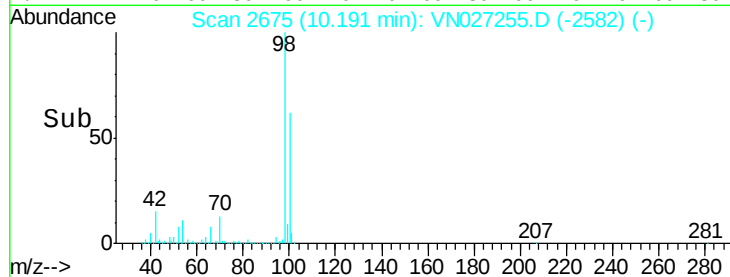
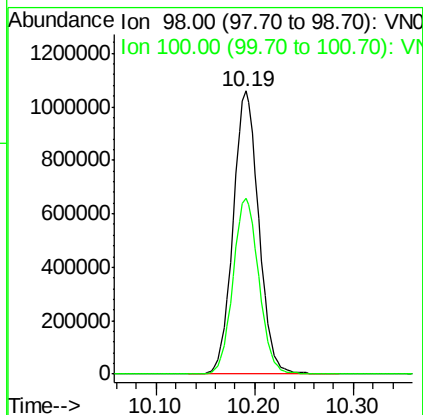
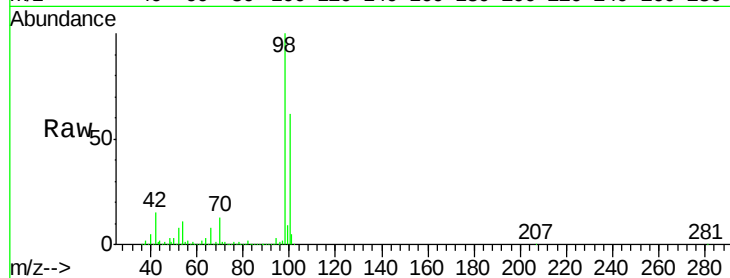
GW-2

Tgt Ion: 98 Resp: 1909491

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7



#53

Toluene

Concen: 0.56 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027255.D

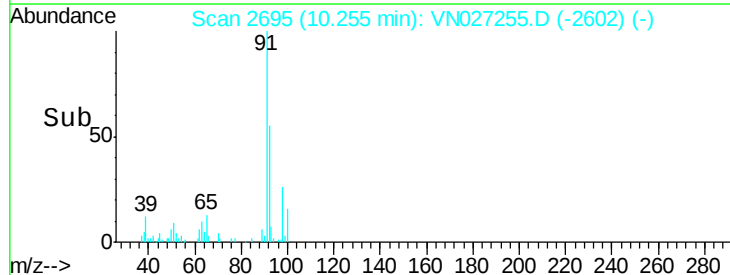
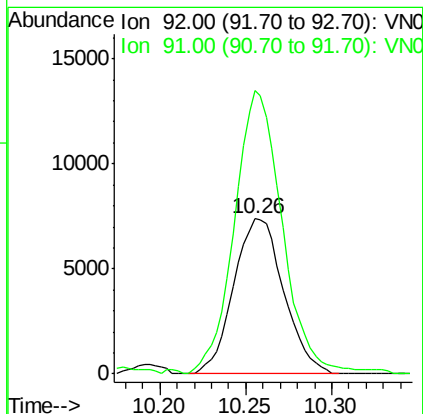
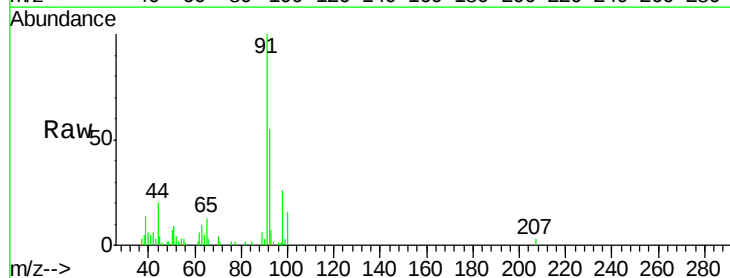
Acq: 17 Sep 2015 15:12

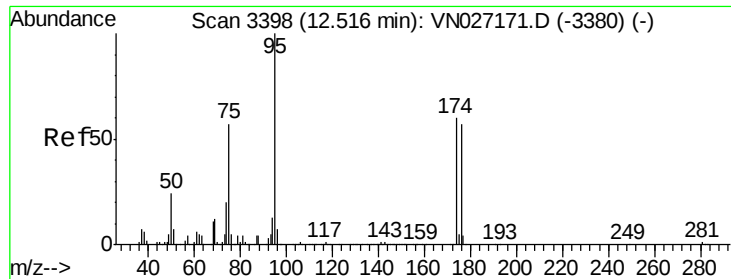
Tgt Ion: 92 Resp: 14899

Ion Ratio Lower Upper

92 100

91 175.6 141.4 212.2

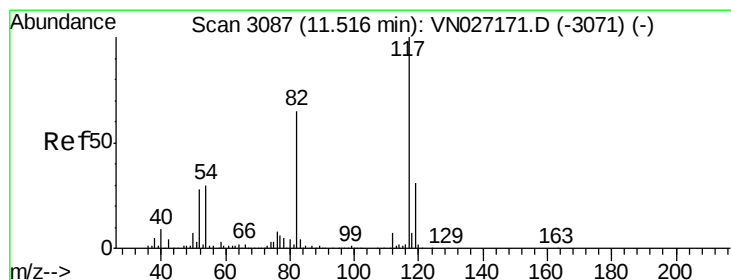
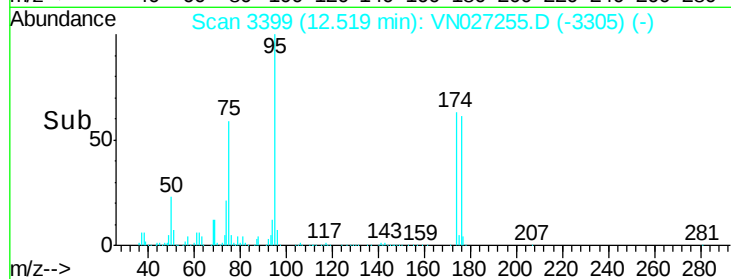
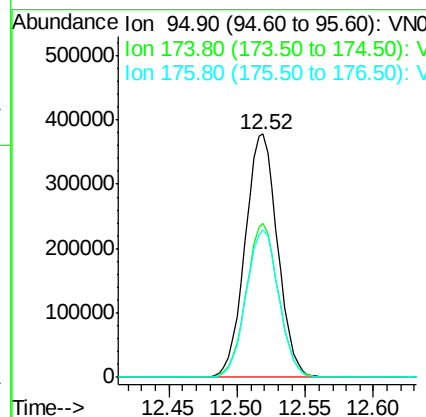
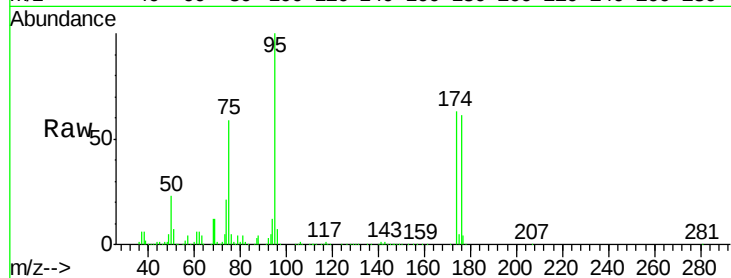




#63
4-Bromofluorobenzene
Concen: 49.15 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

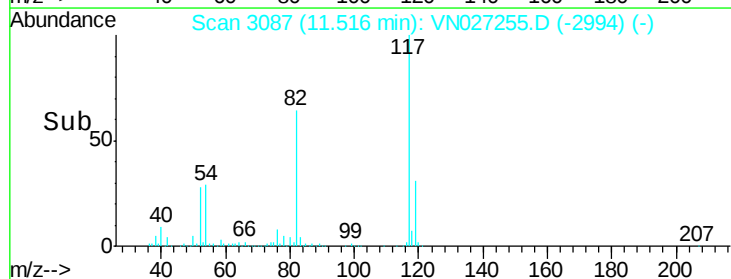
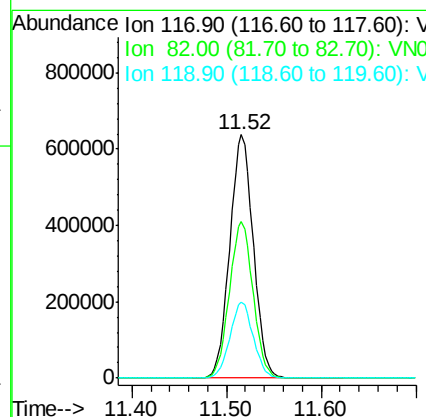
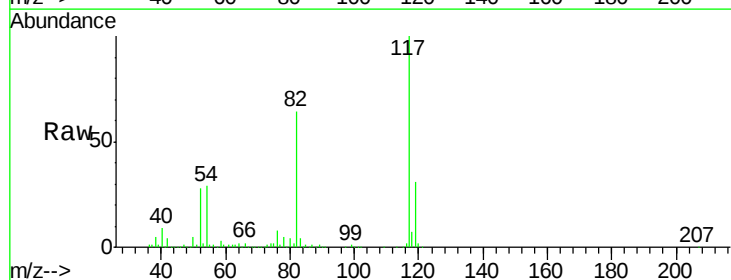
Instrument :
MSVOA_N
ClientSampled :
GW-2

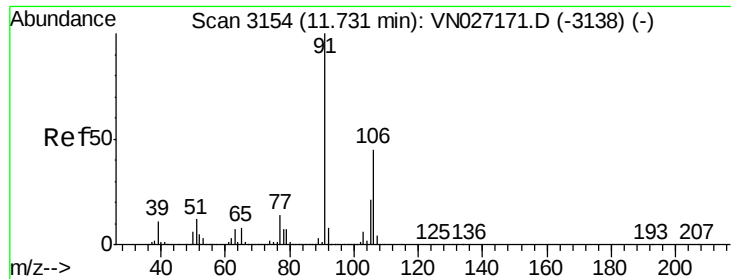
Tgt Ion: 95 Resp: 624375
Ion Ratio Lower Upper
95 100
174 62.9 0.0 137.0
176 61.2 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

Tgt Ion: 117 Resp: 1102166
Ion Ratio Lower Upper
117 100
82 64.2 49.6 74.4
119 31.4 24.6 36.8

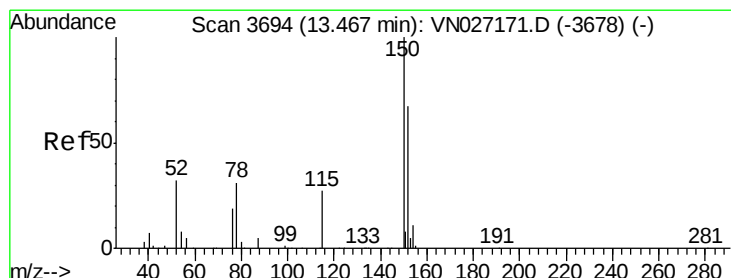
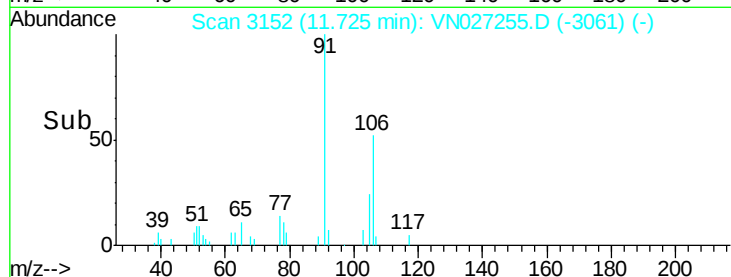
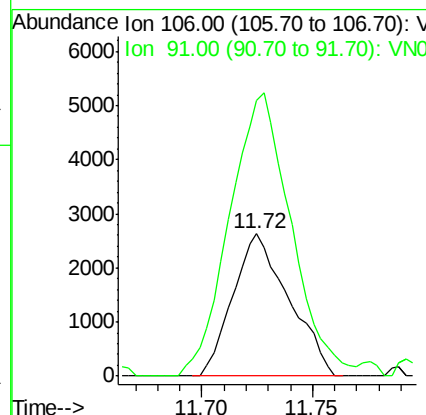
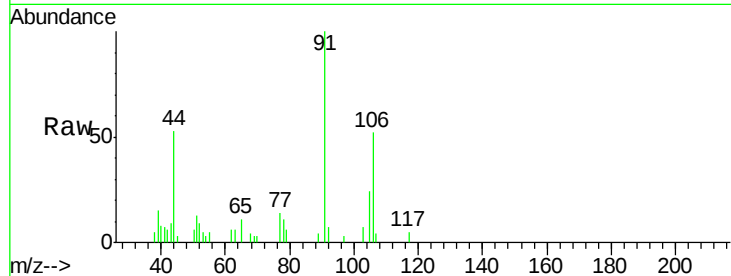




#69
m/p-Xylenes
Concen: 0.27 ug/l
RT: 11.72 min Scan# 3152
Delta R.T. -0.01 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

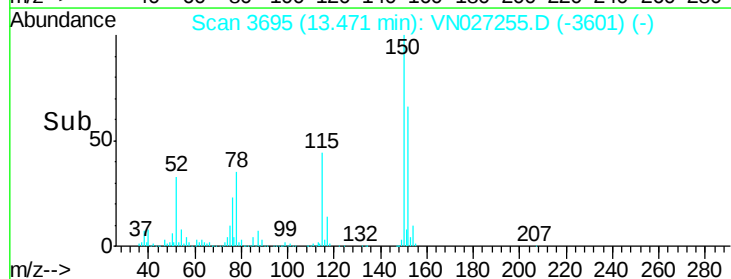
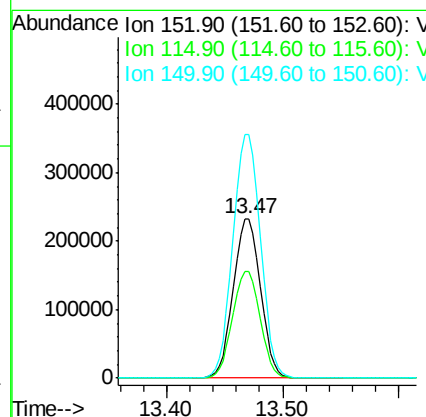
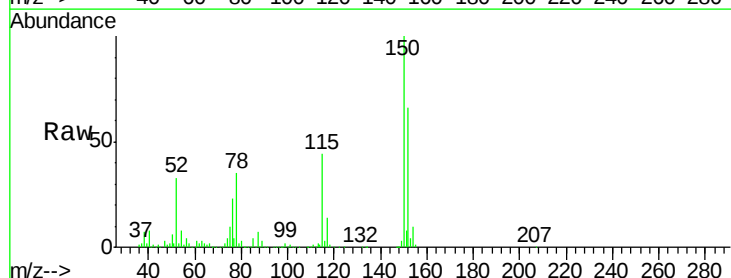
Instrument :
MSVOA_N
ClientSampled :
GW-2

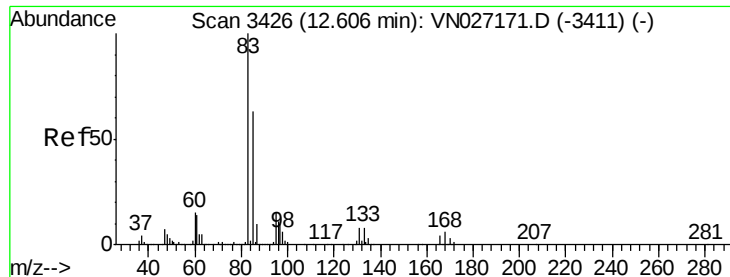
Tgt Ion:106 Resp: 4632
Ion Ratio Lower Upper
106 100
91 218.5 167.1 250.7



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN027255.D
Acq: 17 Sep 2015 15:12

Tgt Ion:152 Resp: 377355
Ion Ratio Lower Upper
152 100
115 67.7 30.8 92.3
150 155.2 0.0 345.0





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.56 min Scan# 3411

Delta R.T. -0.05 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

Instrument :

MSVOA_N

ClientSampleId :

GW-2

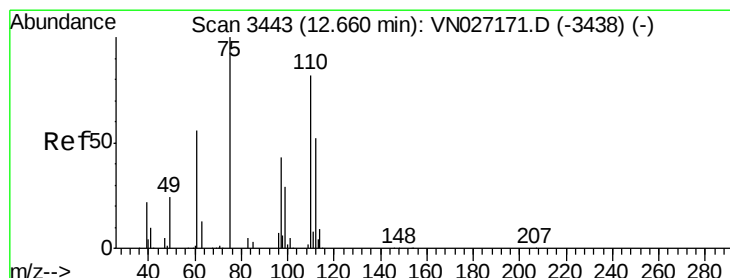
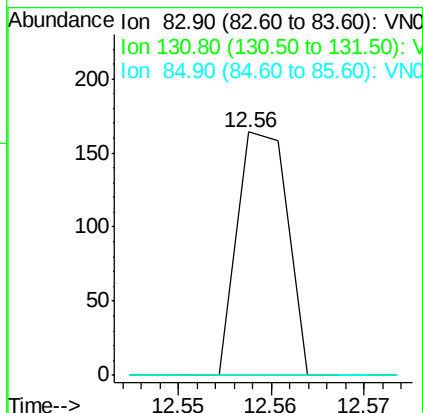
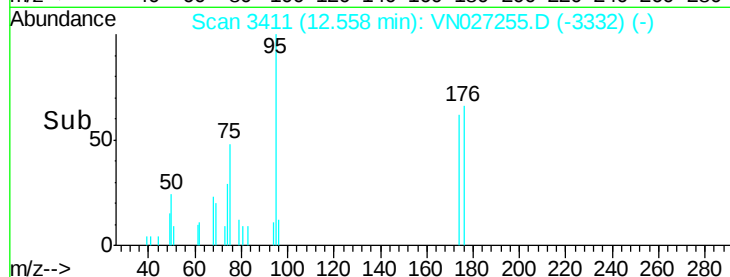
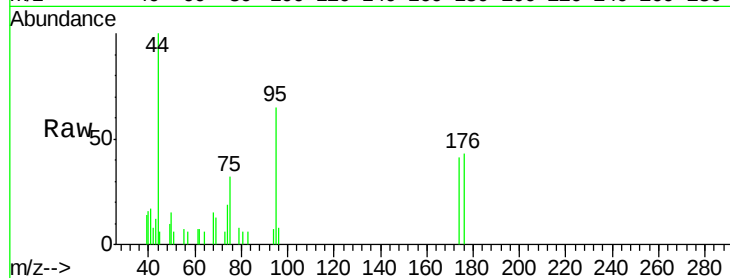
Tgt Ion: 83 Resp: 62

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

85 0.0 31.9 95.7#



#77

1,2,3-Trichloropropane

Concen: 31.89 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027255.D

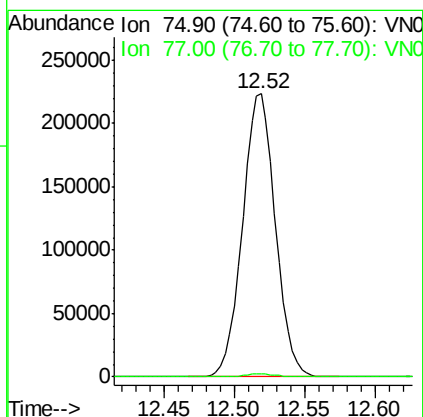
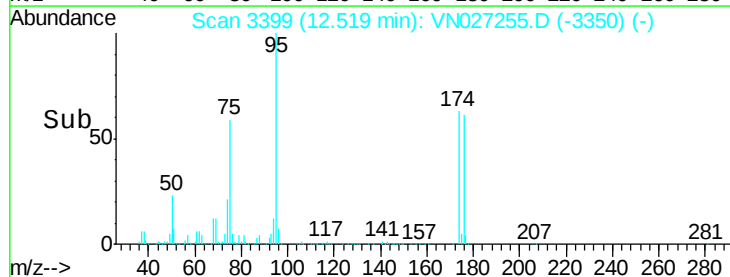
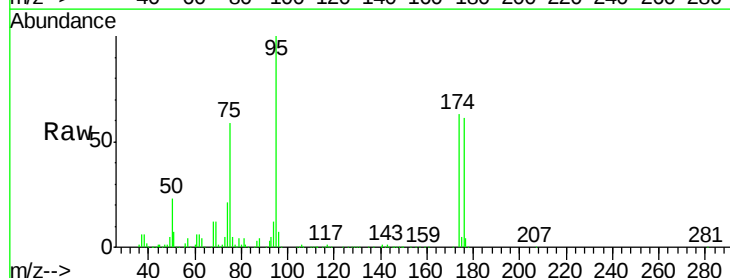
Acq: 17 Sep 2015 15:12

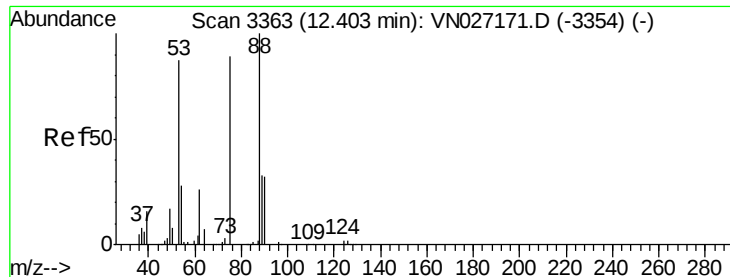
Tgt Ion: 75 Resp: 363717

Ion Ratio Lower Upper

75 100

77 1.1 103.1 309.3#





#82

trans-1,4-Dichloro-2-butene

Concen: 78.34 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

Instrument :

MSVOA_N

ClientSampleId :

GW-2

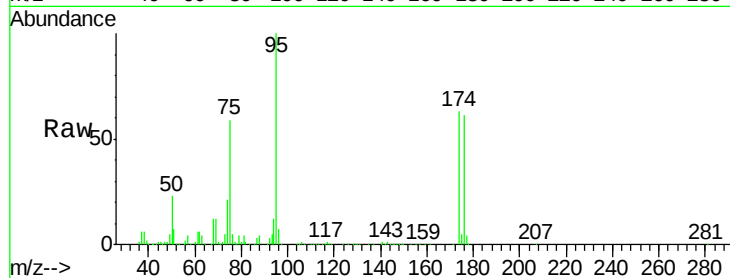
Tgt Ion: 75 Resp: 363717

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

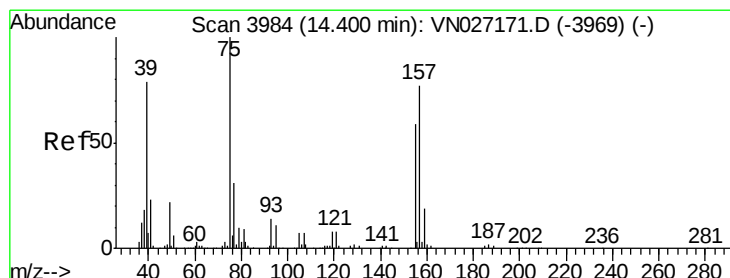
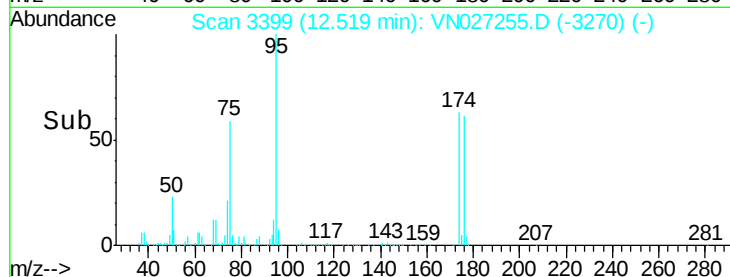
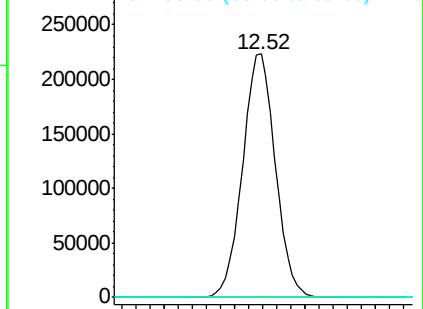
89 0.0 34.2 51.4#



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: 14.21 min Scan# 3924

Delta R.T. -0.19 min

Lab File: VN027255.D

Acq: 17 Sep 2015 15:12

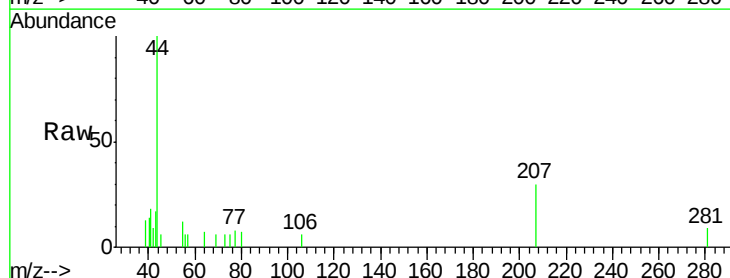
Tgt Ion: 75 Resp: 64

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

