

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027184.D
 Acq On : 16 Sep 2015 1:38
 Operator : MD\FY
 Sample : G3612-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATEBLANK

Quant Time: Sep 16 03:48:44 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	834632	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1461920	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1217761	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	430612	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	803808	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
36) Dibromofluoromethane	7.68	113	526696	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
51) Toluene-d8	10.19	98	2132663	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
63) 4-Bromofluorobenzene	12.52	95	709993	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

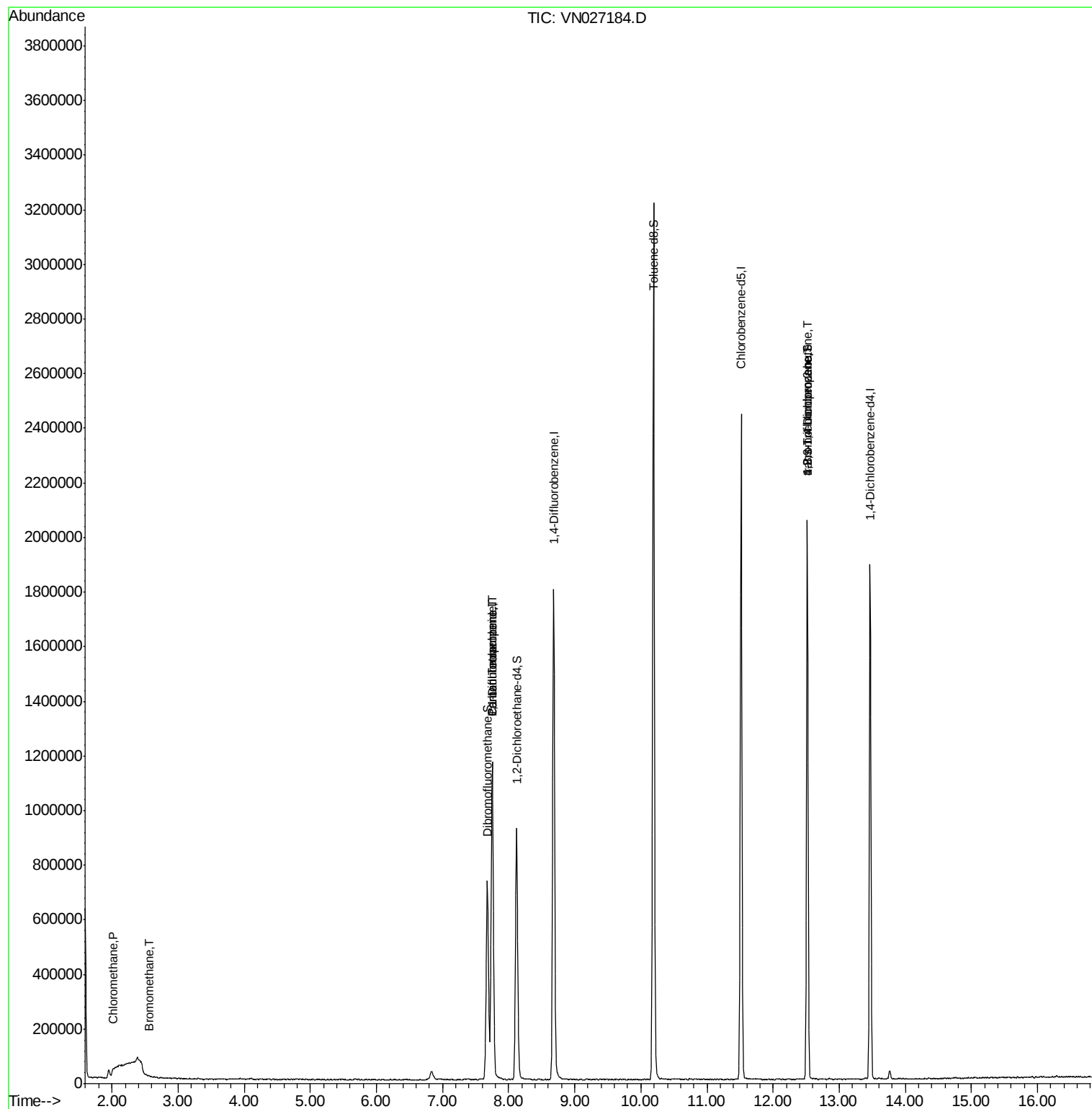
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2358	1.32	ug/l #	86
6) Bromomethane	2.56	94	1070	1.78	ug/l #	38
37) 1,1-Dichloropropene	7.75	75	87170	5.09	ug/l #	51
38) Ethyl Acetate	7.04	43	195	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	94224	5.86	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.60	83	31	Below Cal	#	1
77) 1,2,3-Trichloropropane	12.52	75	408606	31.40	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	408606	77.12	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.23	75	29	Below Cal	#	9

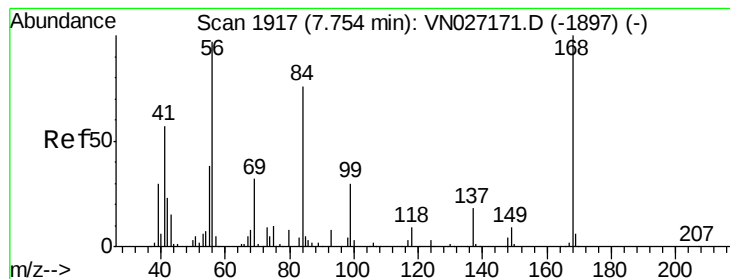
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
Data File : VN027184.D
Acq On : 16 Sep 2015 1:38
Operator : MD\FY
Sample : G3612-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RINSATEBLANK

Quant Time: Sep 16 03:48:44 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: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampleId :

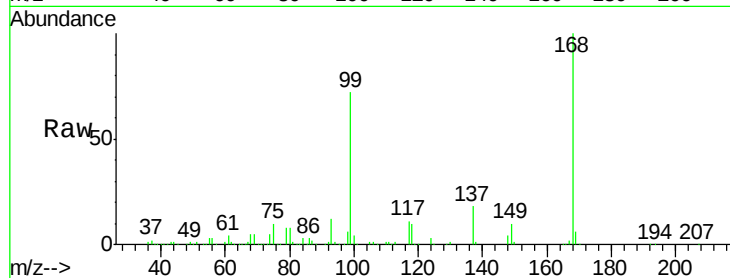
RINSATEBLANK

Tot Ion:168 Resp: 834632

Ion Ratio Lower Upper

168 100

99 72.3 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

400000

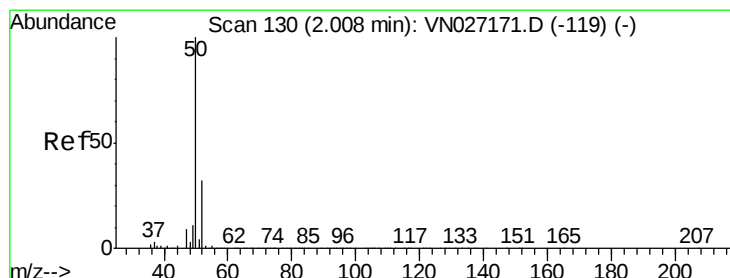
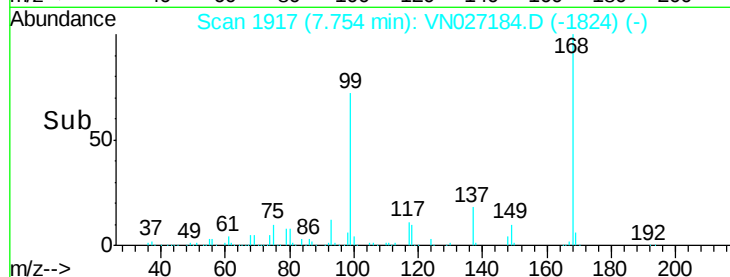
300000

200000

100000

0

Time--> 7.60 7.70 7.80 7.90



#4

Chloromethane

Concen: 1.32 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027184.D

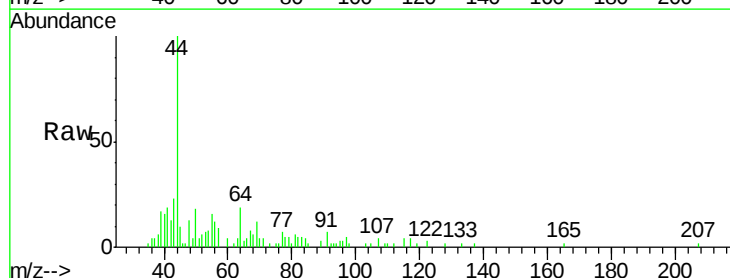
Acq: 16 Sep 2015 1:38

Tgt Ion: 50 Resp: 2358

Ion Ratio Lower Upper

50 100

52 24.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.00

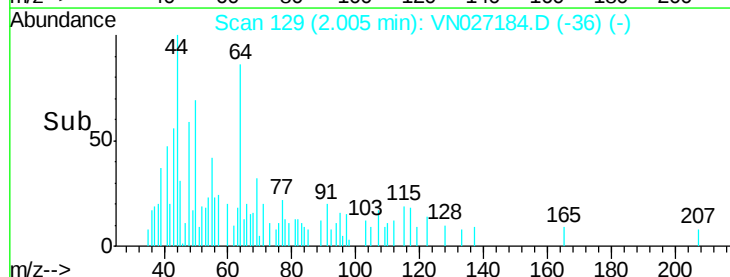
1500

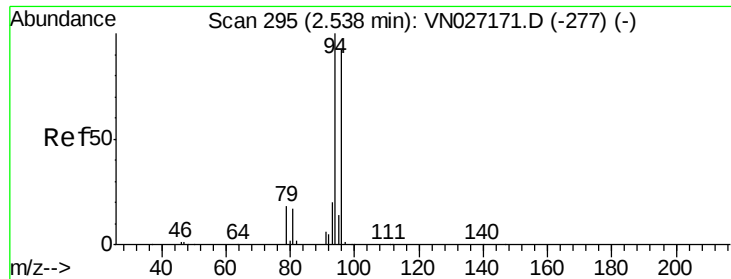
1000

500

0

Time--> 1.95 2.00 2.05





#6

Bromomethane

Concen: 1.78 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.02 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampled :

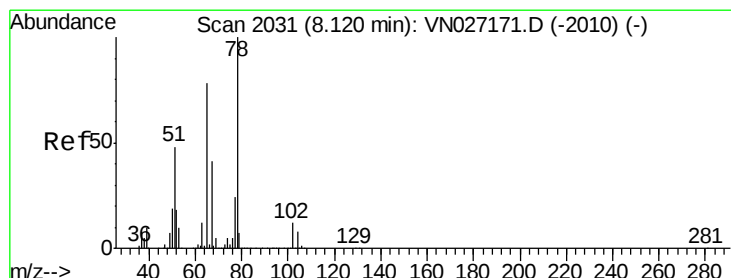
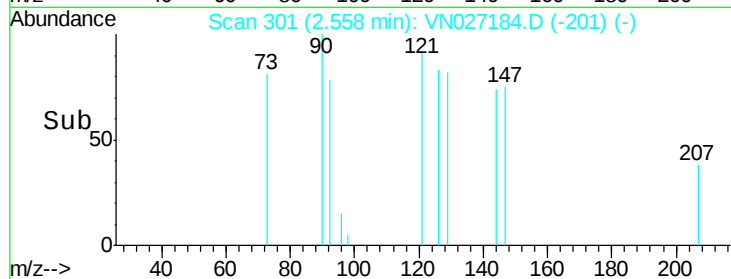
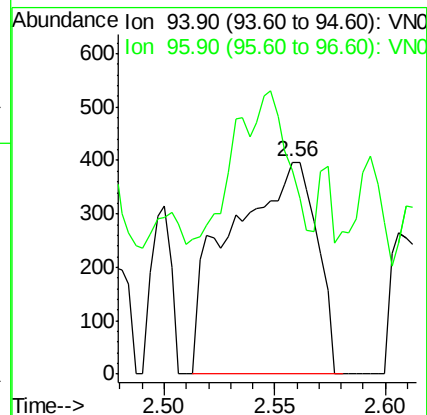
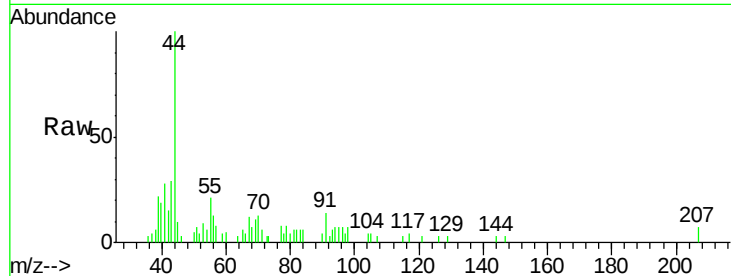
RINSATEBLANK

Tot Ion: 94 Resp: 1070

Ion Ratio Lower Upper

94 100

96 32.7 73.4 110.2#



#34

1,2-Dichloroethane-d4

Concen: 47.00 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027184.D

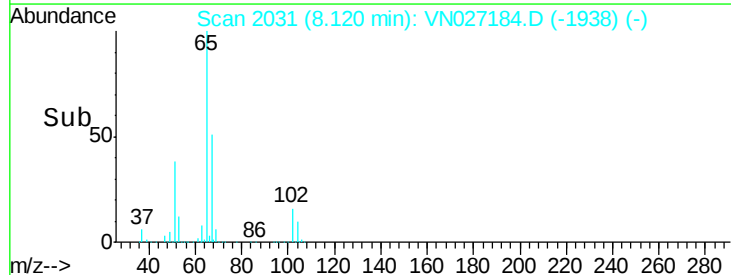
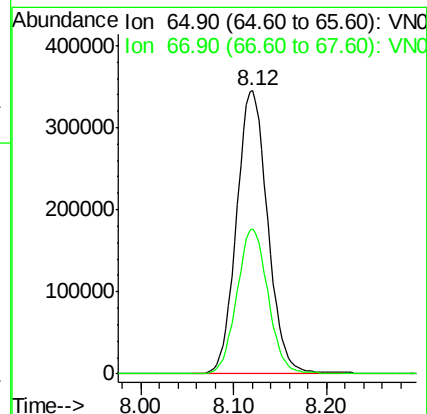
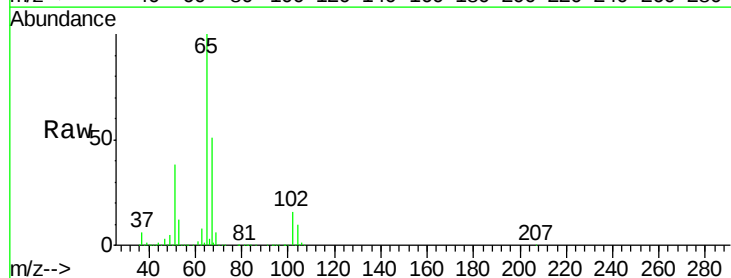
Acq: 16 Sep 2015 1:38

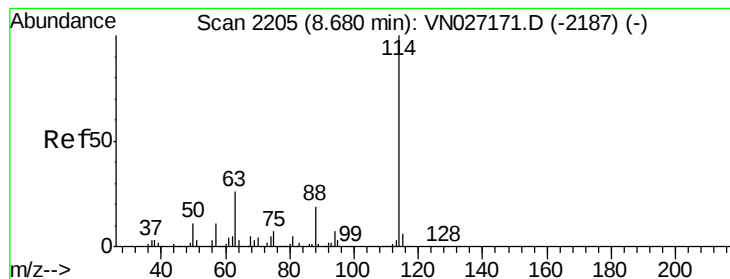
Tgt Ion: 65 Resp: 803808

Ion Ratio Lower Upper

65 100

67 51.3 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: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampleId :

RINSATEBLANK

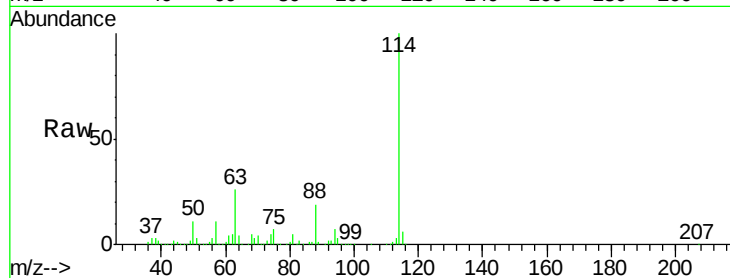
Tot Ion:114 Resp: 1461920

Ion Ratio Lower Upper

114 100

63 25.8 0.0 48.8

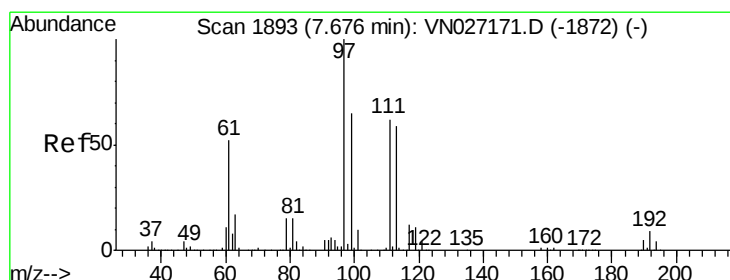
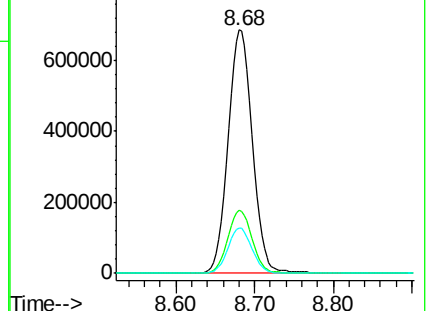
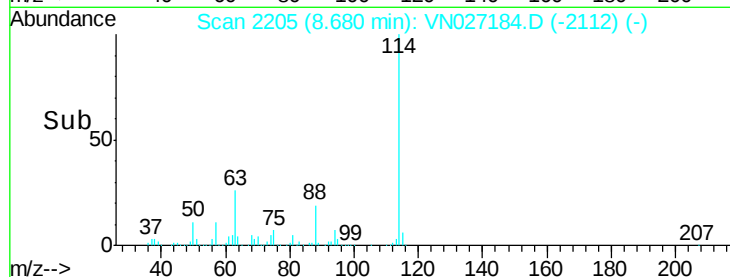
88 18.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 51.97 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

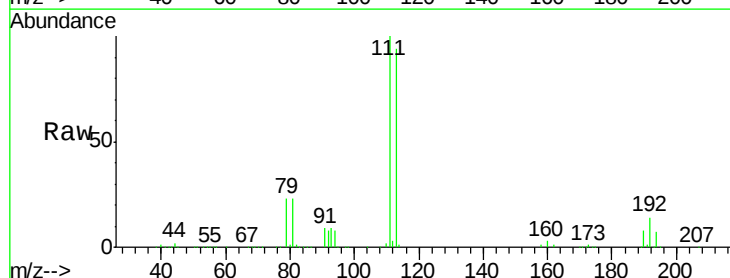
Tgt Ion:113 Resp: 526696

Ion Ratio Lower Upper

113 100

111 106.6 83.0 124.4

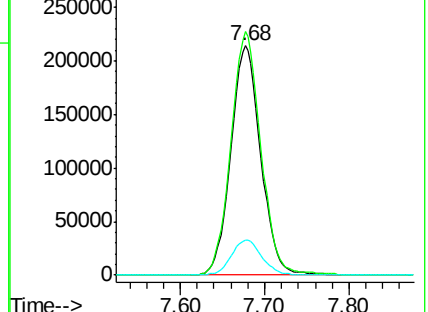
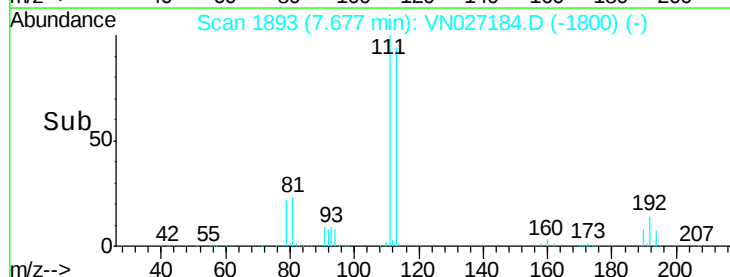
192 15.7 14.1 21.1

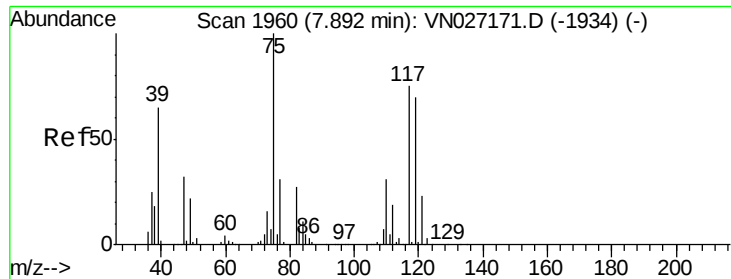


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

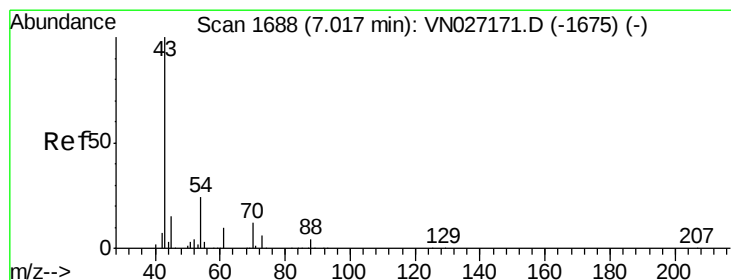
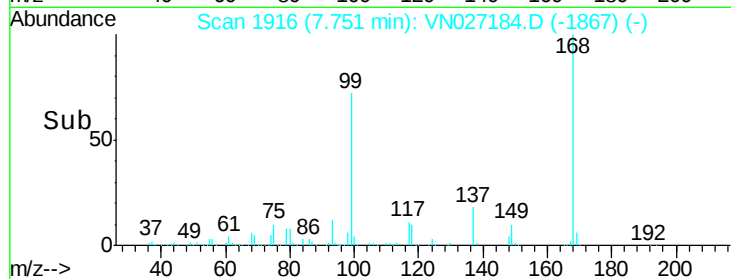
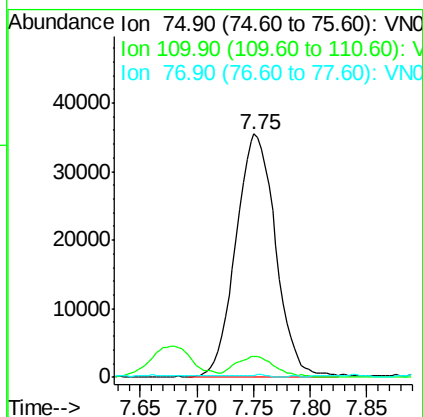
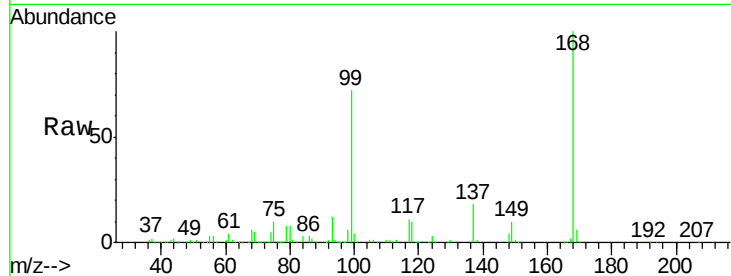




#37
 1,1-Dichloropropene
 Concen: 5.09 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027184.D
 Acq: 16 Sep 2015 1:38

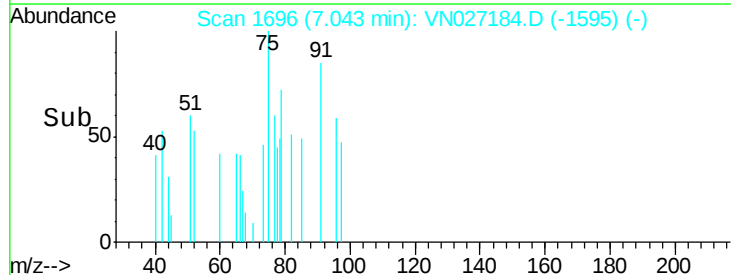
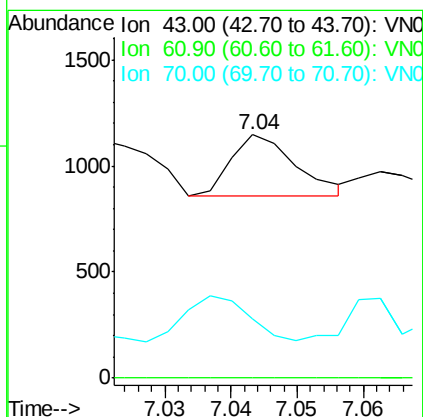
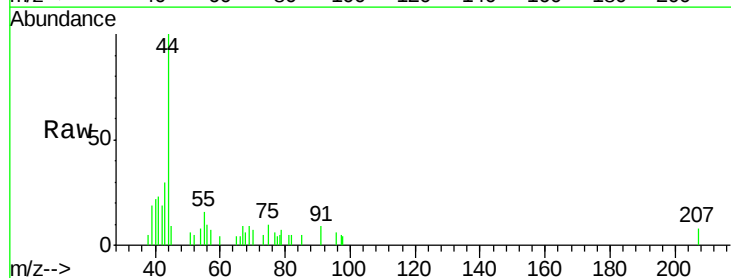
Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATEBLANK

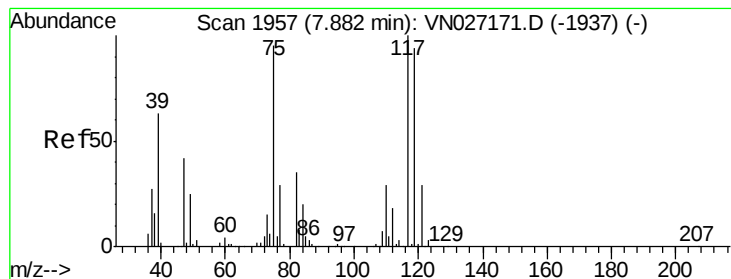
Tot Ion: 75 Resp: 87170
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.9 47.7#
 77 0.3 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.04 min Scan# 1696
 Delta R.T. 0.03 min
 Lab File: VN027184.D
 Acq: 16 Sep 2015 1:38

Tgt Ion: 43 Resp: 195
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 91.8 7.4 11.0#





#39

Carbon Tetrachloride

Concen: 5.86 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.13 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampleId :

RINSATEBLANK

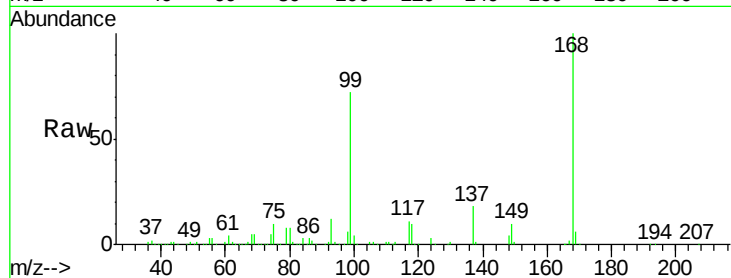
Tot Ion:117 Resp: 94224

Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

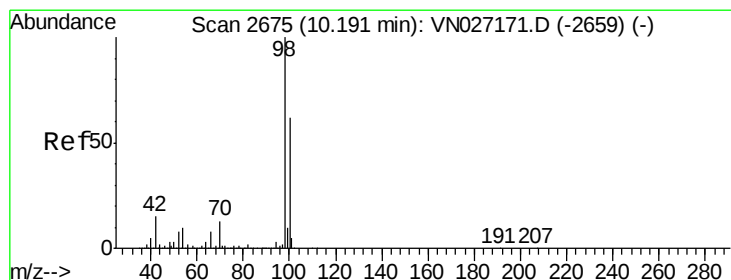
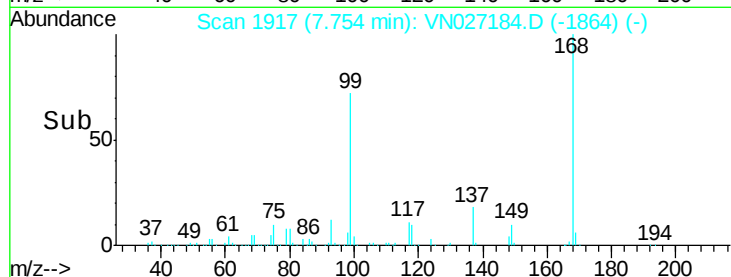
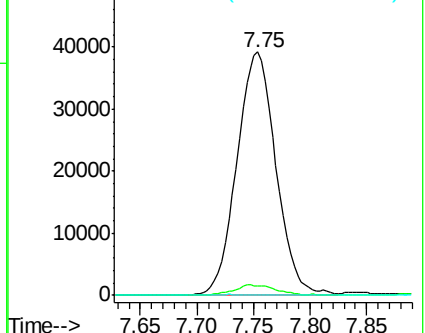
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#51

Toluene-d8

Concen: 53.75 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027184.D

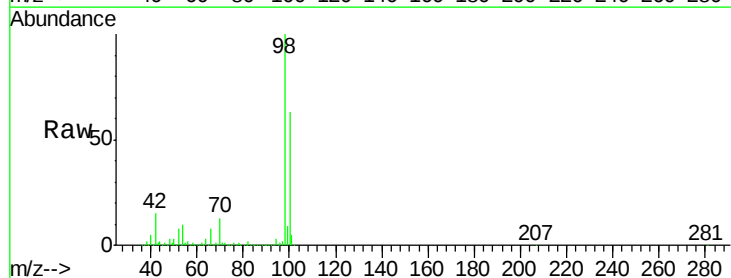
Acq: 16 Sep 2015 1:38

Tgt Ion: 98 Resp: 2132663

Ion Ratio Lower Upper

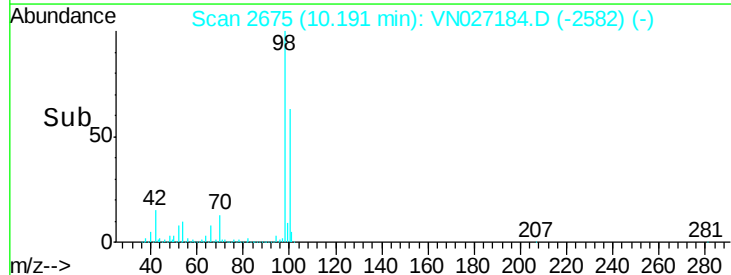
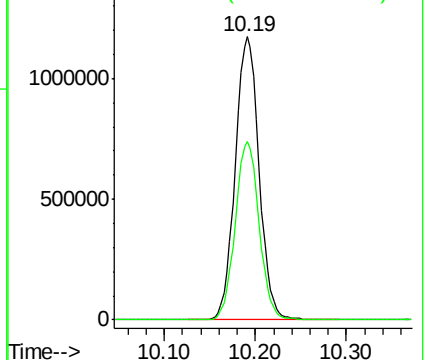
98 100

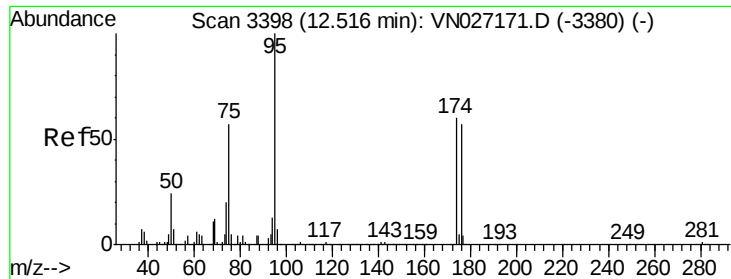
100 63.3 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

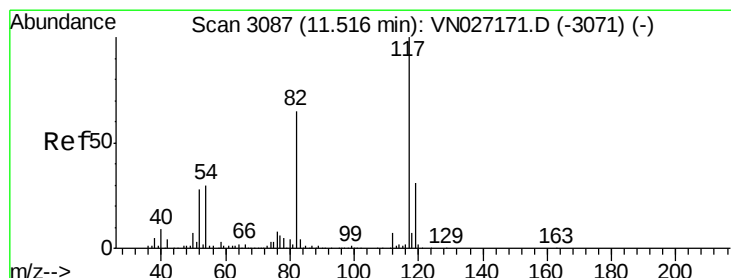
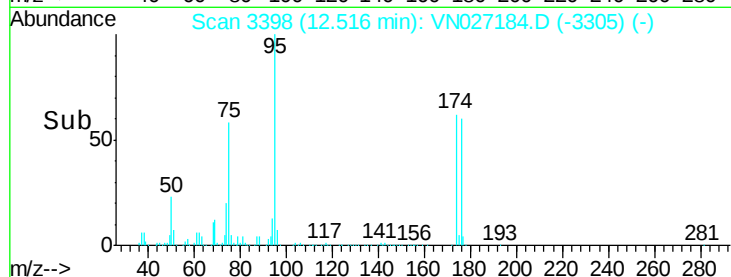
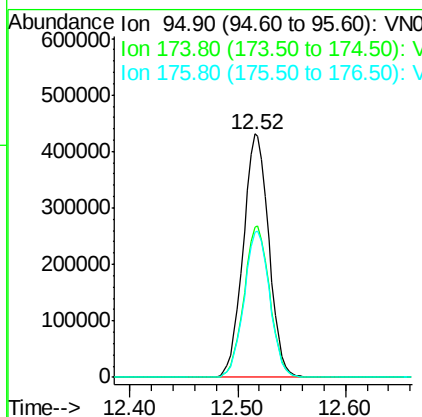
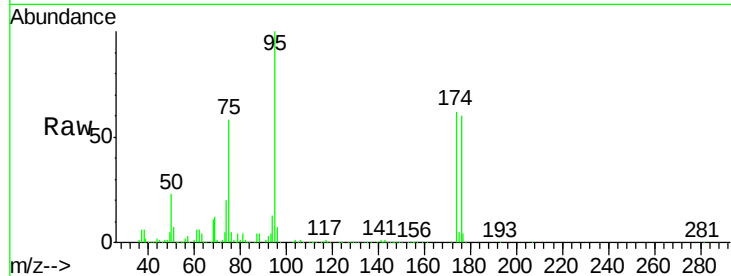




#63
4-Bromofluorobenzene
Concen: 50.41 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027184.D
Acq: 16 Sep 2015 1:38

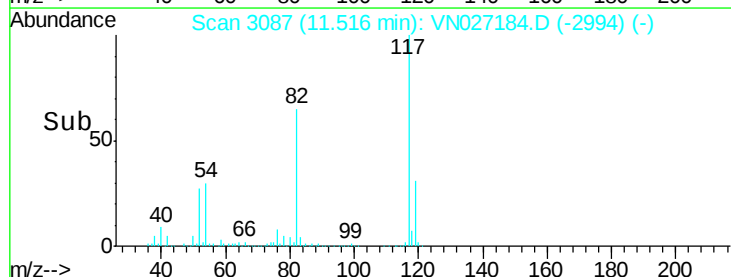
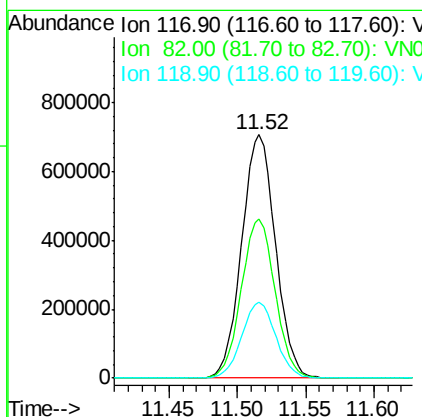
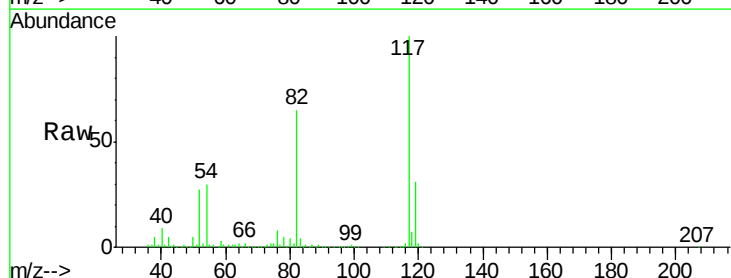
Instrument :
MSVOA_N
ClientSampleId :
RINSATEBLANK

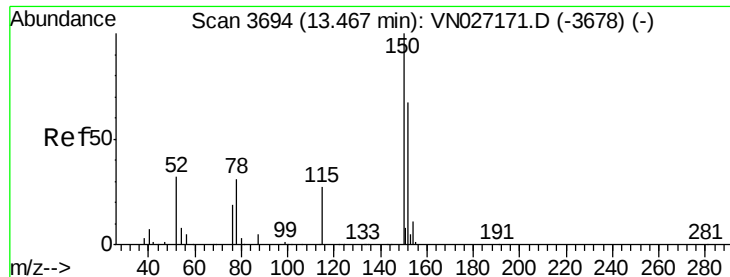
Tot Ion: 95 Resp: 709993
Ion Ratio Lower Upper
95 100
174 62.0 0.0 137.0
176 60.3 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027184.D
Acq: 16 Sep 2015 1:38

Tgt Ion: 117 Resp: 1217761
Ion Ratio Lower Upper
117 100
82 65.1 49.6 74.4
119 31.0 24.6 36.8

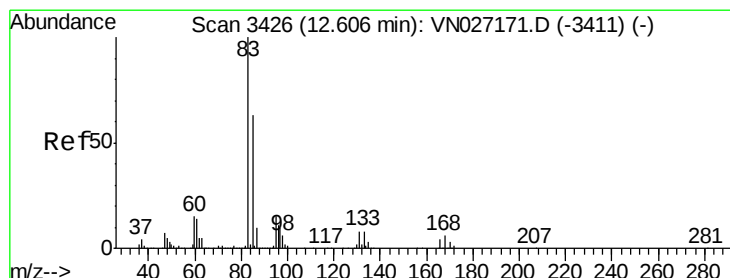
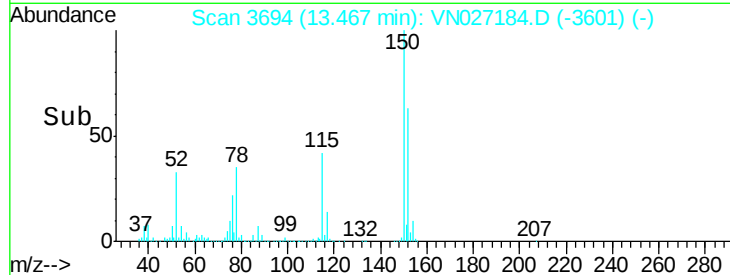
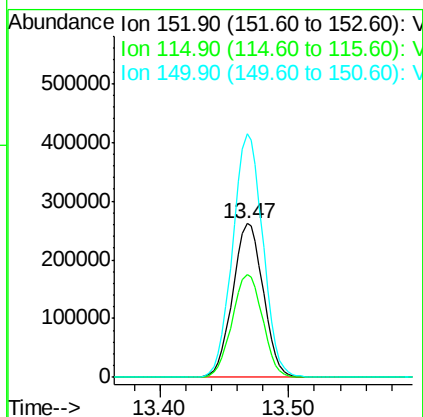
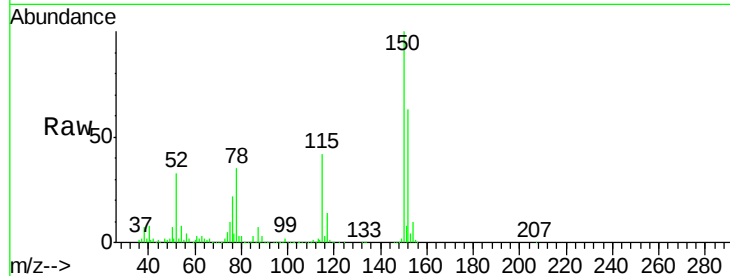




#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027184.D
 Acq: 16 Sep 2015 1:38

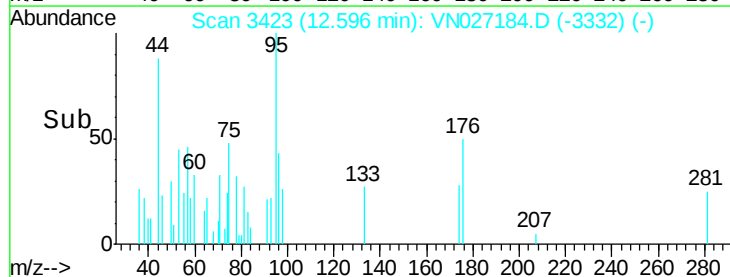
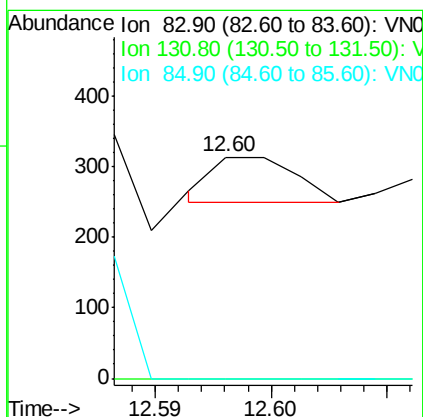
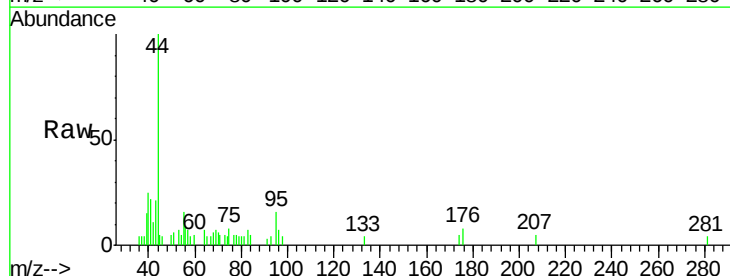
Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATEBLANK

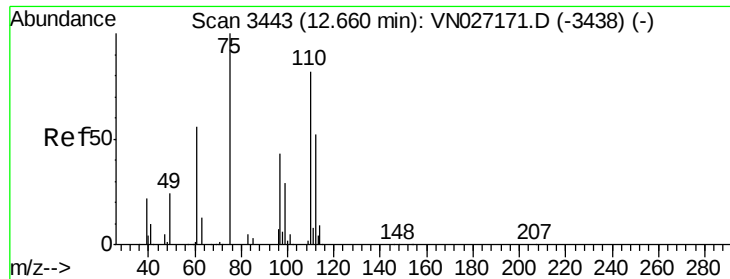
Tot Ion:152 Resp: 430612
 Ion Ratio Lower Upper
 152 100
 115 66.9 30.8 92.3
 150 156.8 0.0 345.0



#76
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.60 min Scan# 3423
 Delta R.T. -0.01 min
 Lab File: VN027184.D
 Acq: 16 Sep 2015 1:38

Tgt Ion: 83 Resp: 31
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.1 12.3#
 85 203.2 31.9 95.7#





#77

1,2,3-Trichloropropane

Concen: 31.40 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampleId :

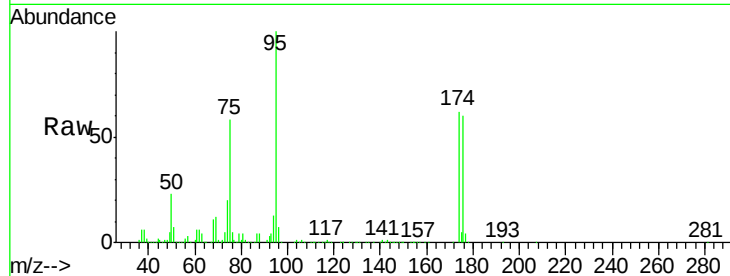
RINSATEBLANK

Tot Ion: 75 Resp: 408606

Ion Ratio Lower Upper

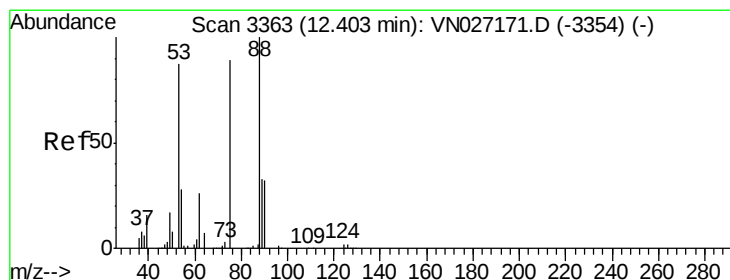
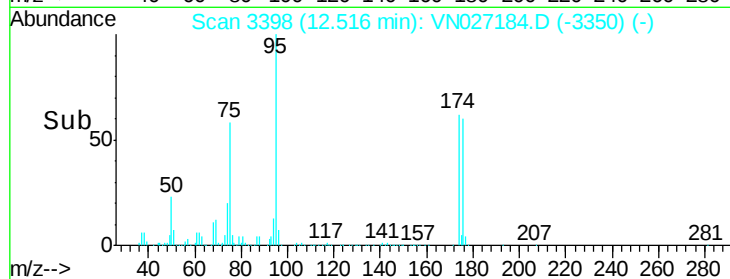
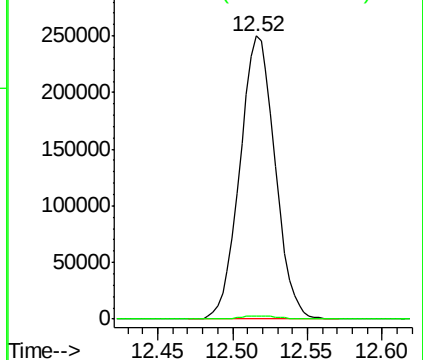
75 100

77 1.3 103.1 309.3#



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: 77.12 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

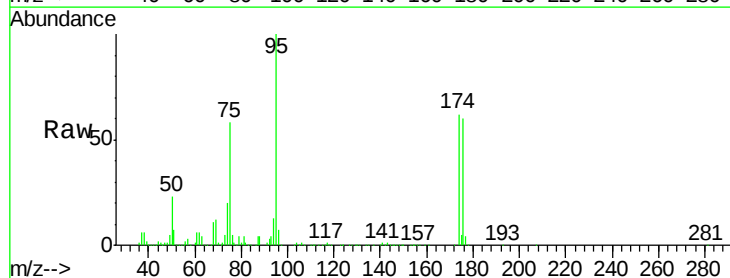
Tgt Ion: 75 Resp: 408606

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

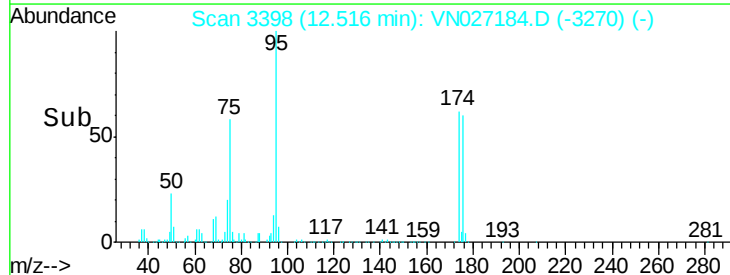
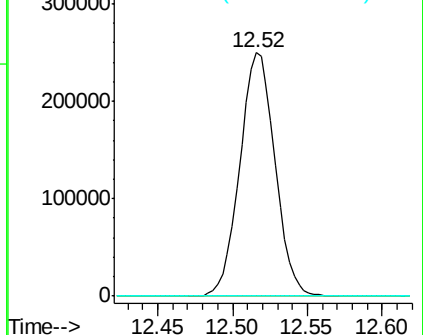
89 0.0 34.2 51.4#

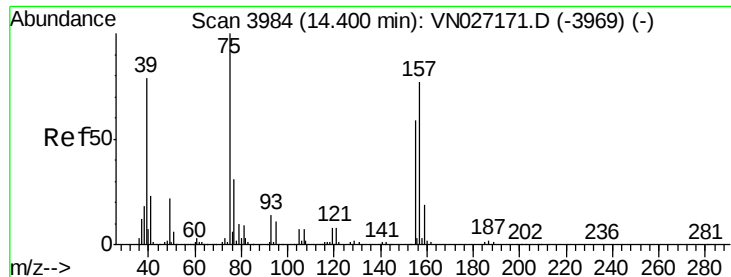


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 14.23 min Scan# 3931

Delta R.T. -0.17 min

Lab File: VN027184.D

Acq: 16 Sep 2015 1:38

Instrument :

MSVOA_N

ClientSampleId :

RINSATEBLANK

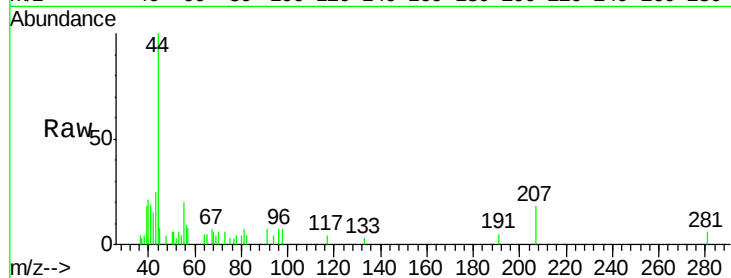
Tot Ion: 75 Resp: 29

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->

