

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027283.D
 Acq On : 18 Sep 2015 5:00
 Operator : MD\FY
 Sample : G3706-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Sep 18 06:46:16 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	751222	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1369064	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1143467	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	412120	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	762780	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
36) Dibromofluoromethane	7.68	113	484435	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
51) Toluene-d8	10.19	98	1990285	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
63) 4-Bromofluorobenzene	12.52	95	670283	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

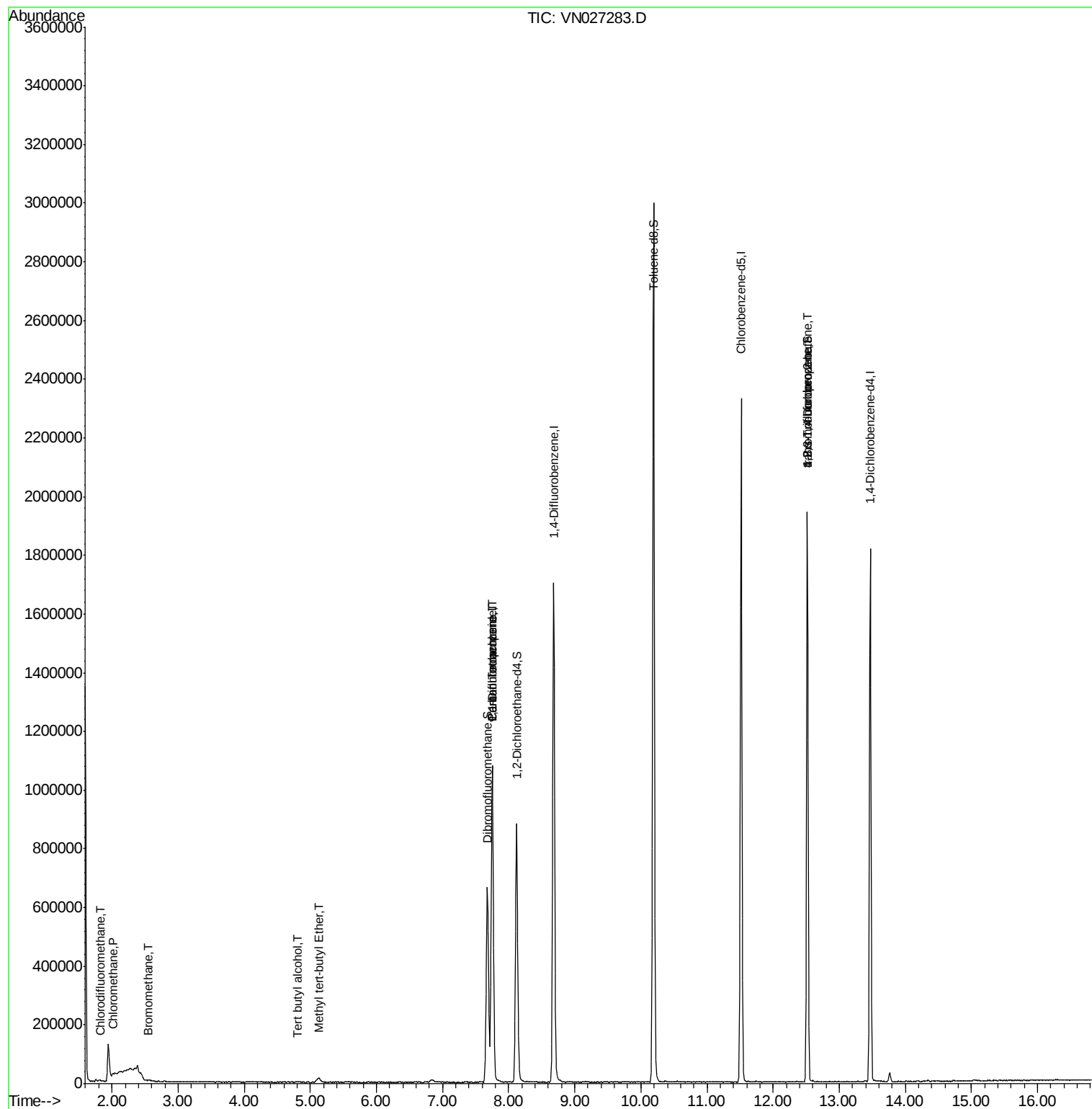
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	1.82	51	2665	0.26	ug/l #	91
4) Chloromethane	2.01	50	1430	1.25	ug/l #	85
6) Bromomethane	2.54	94	223	1.64	ug/l	98
12) Tert butyl alcohol	4.81	59	943	0.63	ug/l #	84
20) Methyl tert-butyl Ether	5.12	73	24934	0.64	ug/l #	90
37) 1,1-Dichloropropene	7.75	75	80756	5.04	ug/l #	51
38) Ethyl Acetate	7.00	43	314	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	86470	5.74	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.58	83	66	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	388442	31.19	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	388442	76.60	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.38	75	59	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: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampled :

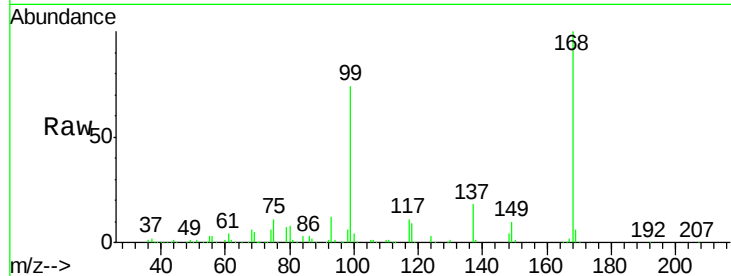
MW-7

Tgt Ion:168 Resp: 751222

Ion Ratio Lower Upper

168 100

99 73.7 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

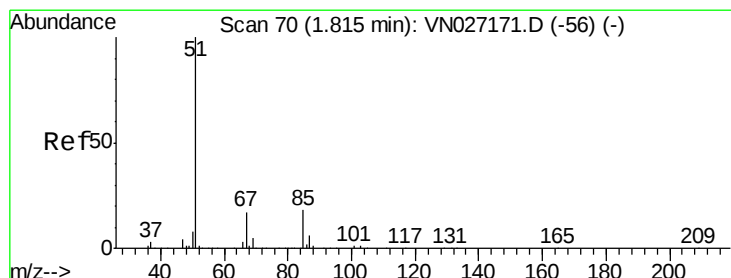
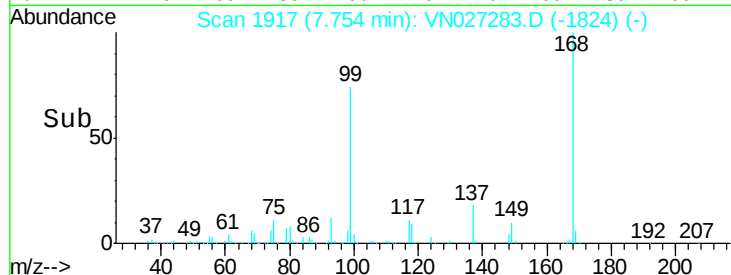
200000

100000

0

Time-->

7.70 7.80



#3

Chlorodifluoromethane

Concen: 0.26 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027283.D

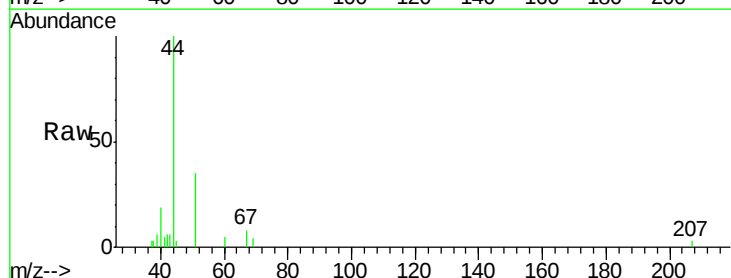
Acq: 18 Sep 2015 5:00

Tgt Ion: 51 Resp: 2665

Ion Ratio Lower Upper

51 100

67 18.8 12.2 18.2#



Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

1.82

2000

1500

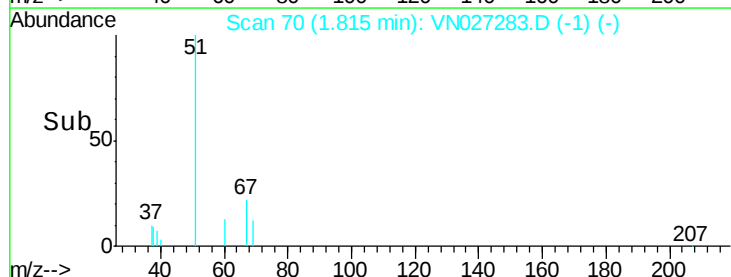
1000

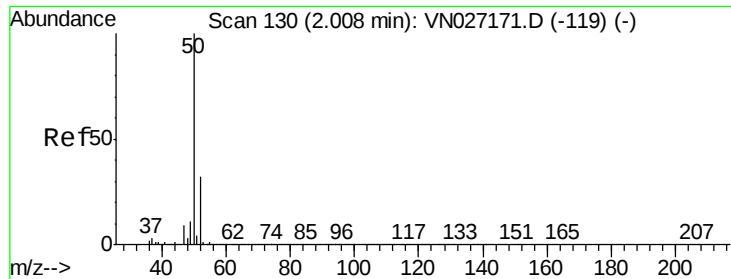
500

0

Time-->

1.80 1.85





#4

Chloromethane

Concen: 1.25 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampled :

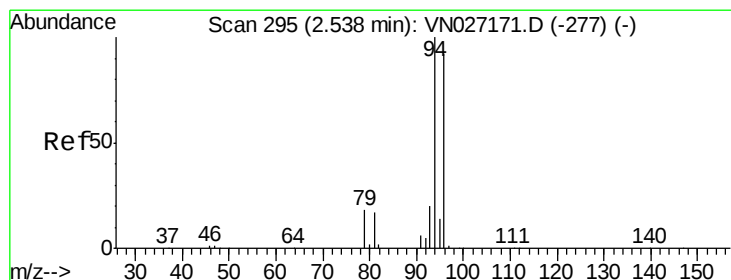
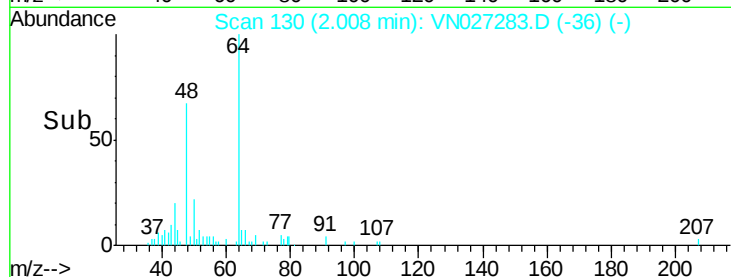
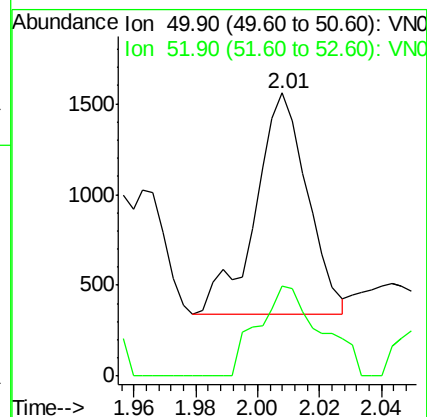
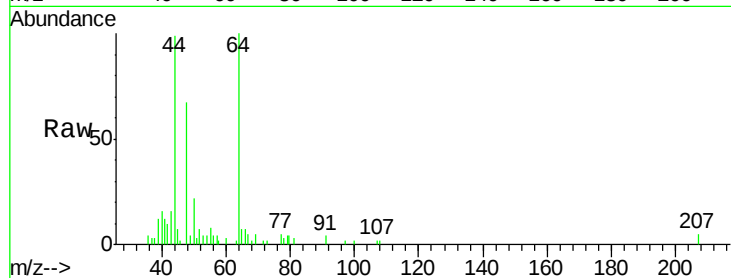
MW-7

Tgt Ion: 50 Resp: 1430

Ion Ratio Lower Upper

50 100

52 40.7 25.9 38.9#



#6

Bromomethane

Concen: 1.64 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027283.D

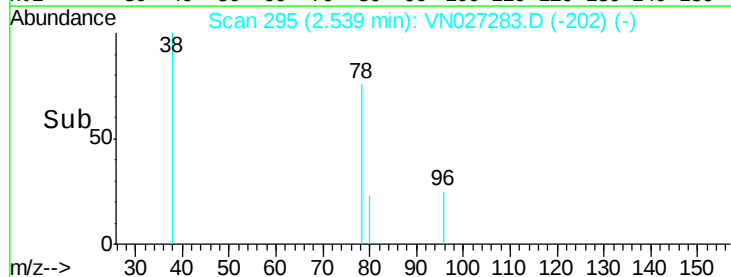
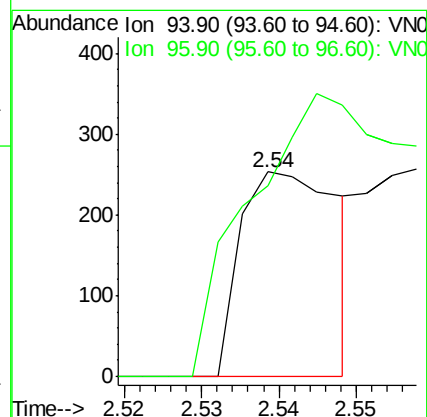
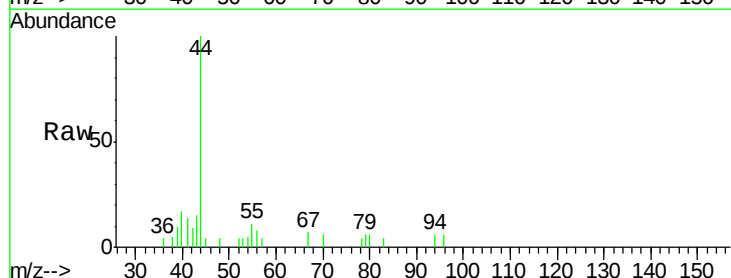
Acq: 18 Sep 2015 5:00

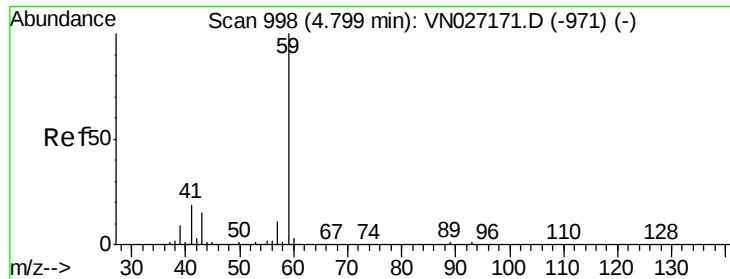
Tgt Ion: 94 Resp: 223

Ion Ratio Lower Upper

94 100

96 93.3 73.4 110.2

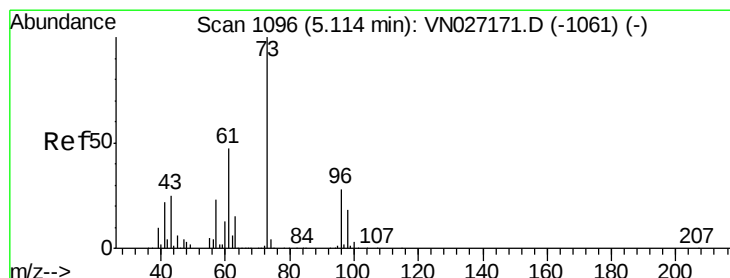
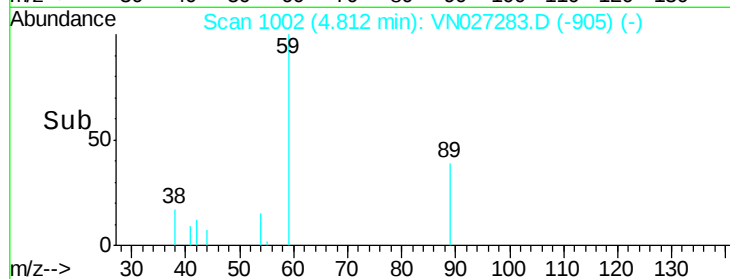
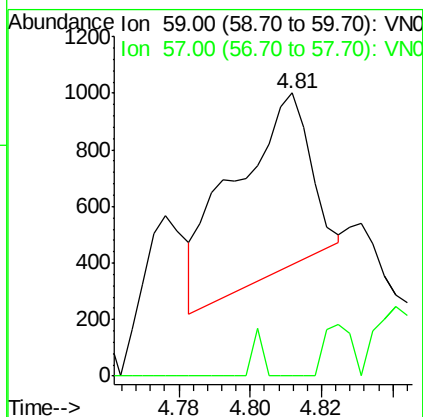
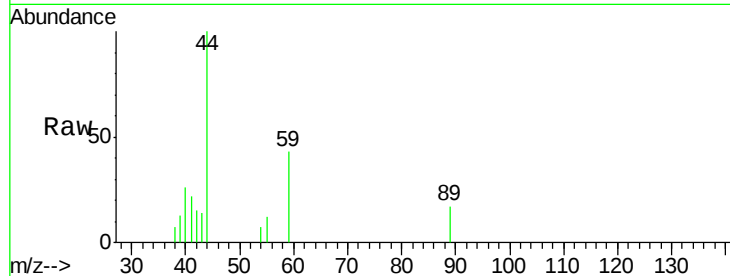




#12
Tert butyl alcohol
Concen: 0.63 ug/l
RT: 4.81 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

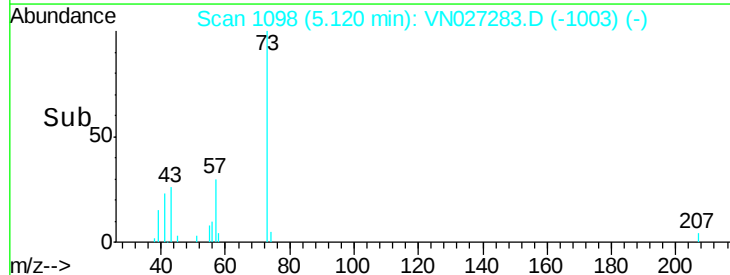
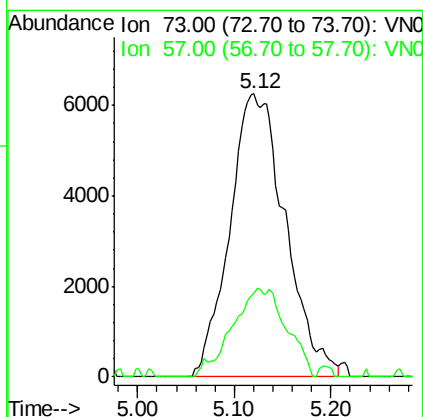
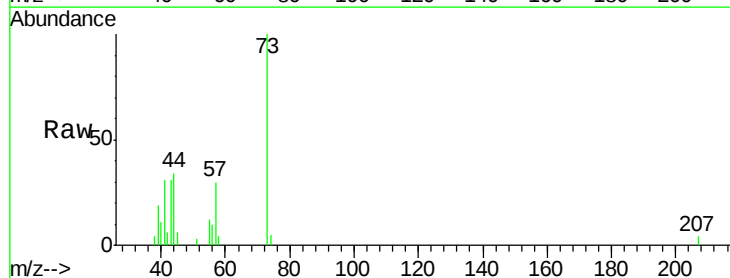
Instrument :
MSVOA_N
ClientSampled :
MW-7

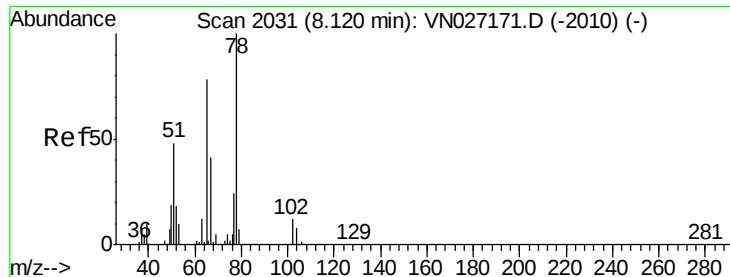
Tgt Ion: 59 Resp: 943
Ion Ratio Lower Upper
59 100
57 3.5 7.6 11.4#



#20
Methyl tert-butyl Ether
Concen: 0.64 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

Tgt Ion: 73 Resp: 24934
Ion Ratio Lower Upper
73 100
57 29.7 19.8 29.6#





#34

1,2-Dichloroethane-d4

Concen: 49.56 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampleId :

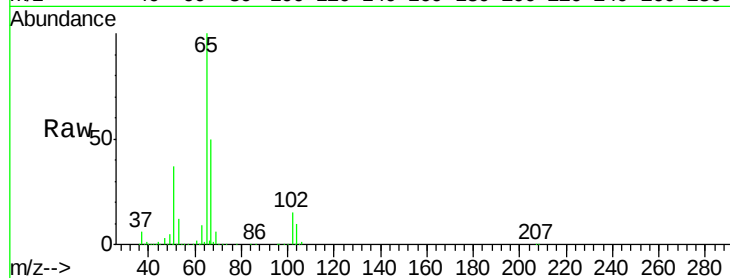
MW-7

Tgt Ion: 65 Resp: 762780

Ion Ratio Lower Upper

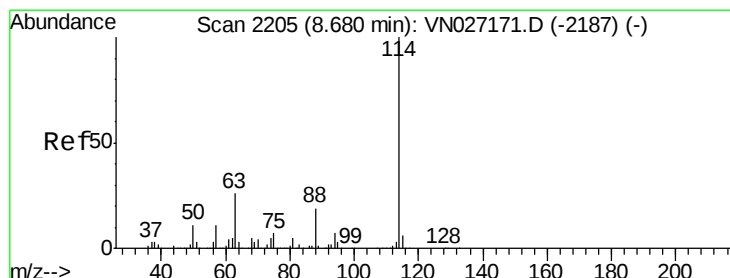
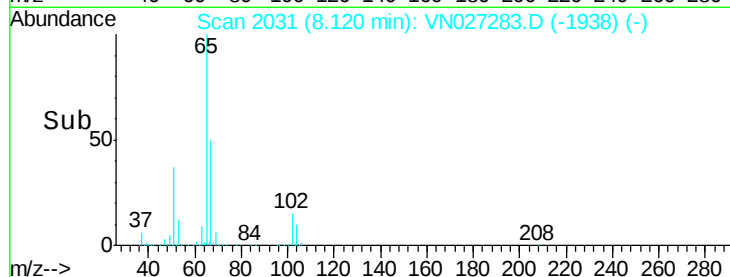
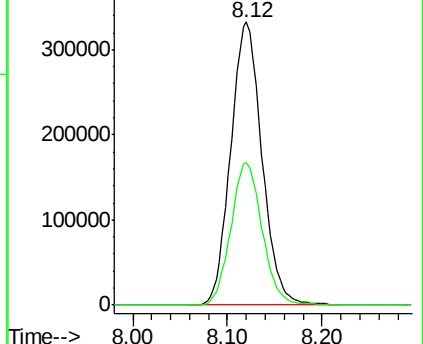
65 100

67 50.3 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: VN027283.D

Acq: 18 Sep 2015 5:00

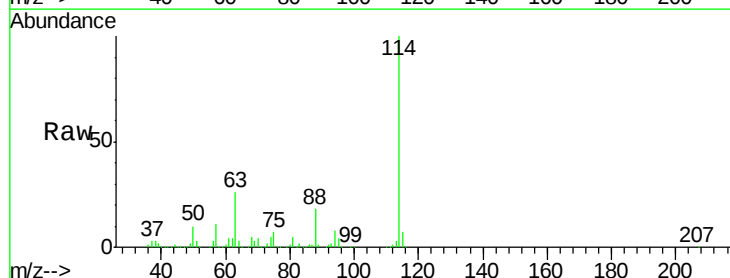
Tgt Ion: 114 Resp: 1369064

Ion Ratio Lower Upper

114 100

63 26.0 0.0 48.8

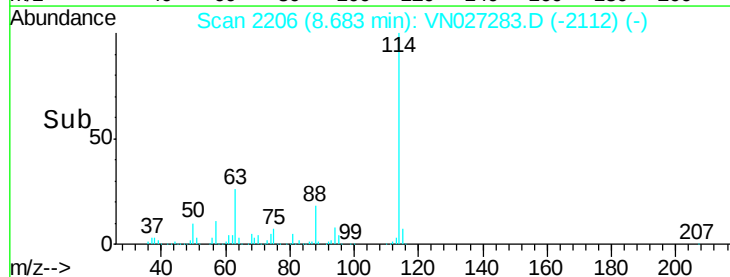
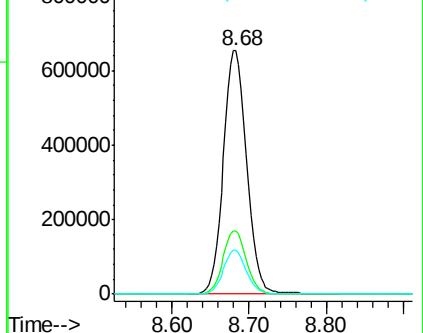
88 18.2 0.0 32.2

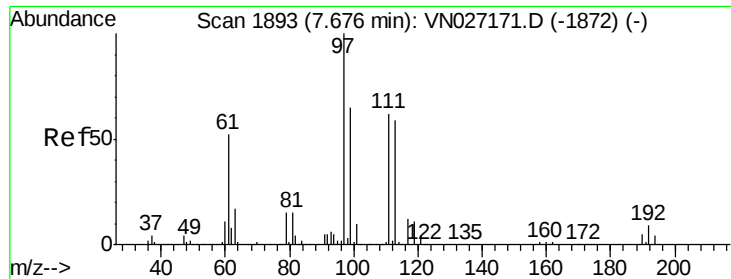


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

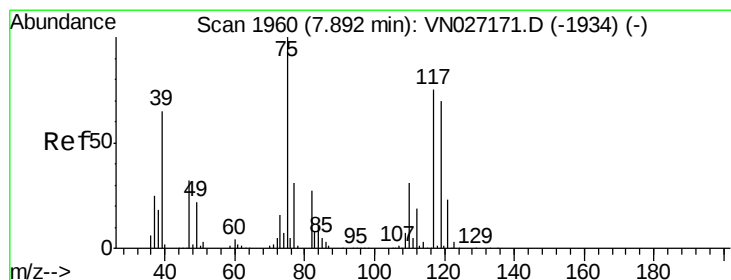
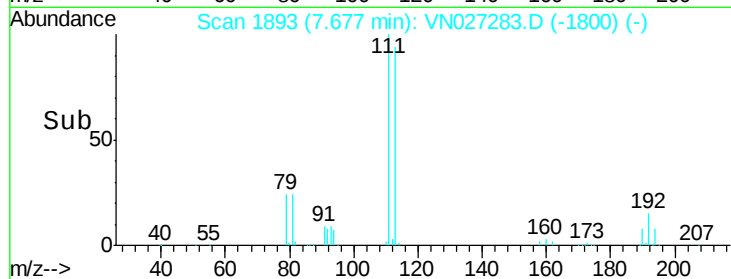
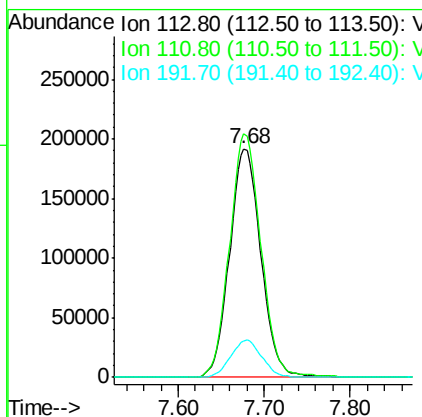
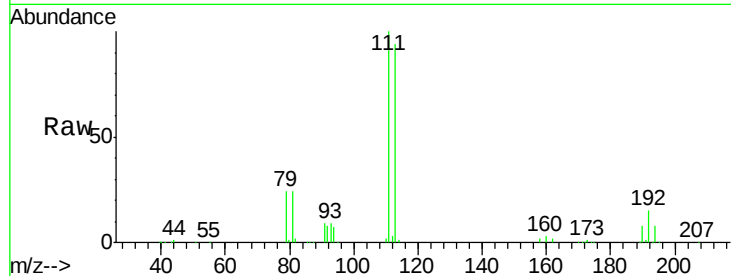




#36
 Dibromofluoromethane
 Concen: 51.05 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027283.D
 Acq: 18 Sep 2015 5:00

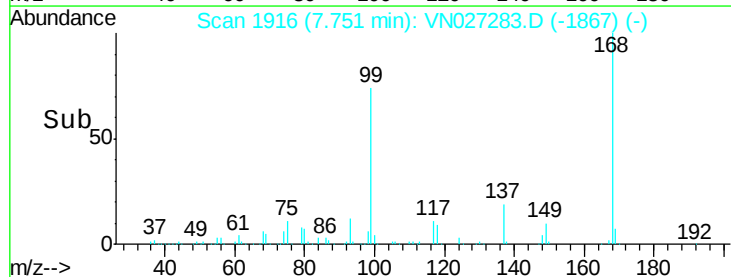
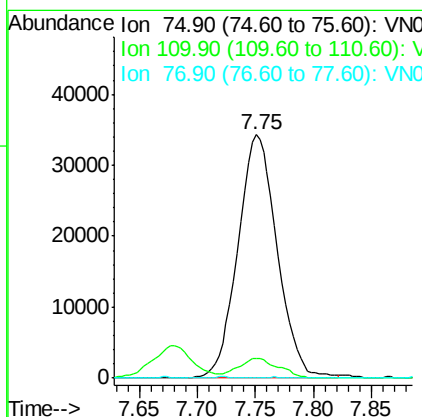
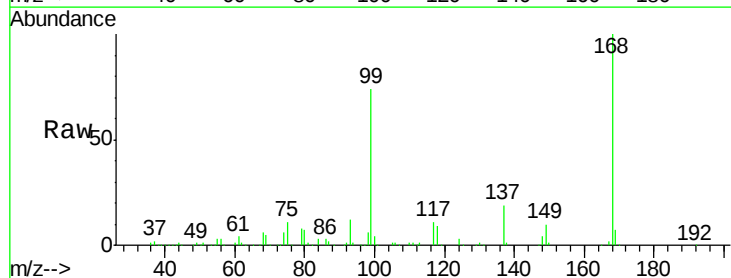
Instrument :
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 ClientSampled :
 MW-7

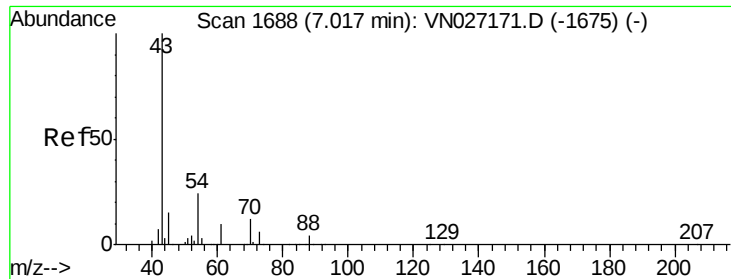
Tgt Ion: 113 Resp: 484435
 Ion Ratio Lower Upper
 113 100
 111 107.0 83.0 124.4
 192 16.4 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 5.04 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027283.D
 Acq: 18 Sep 2015 5:00

Tgt Ion: 75 Resp: 80756
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.9 47.7#
 77 0.0 24.9 37.3#

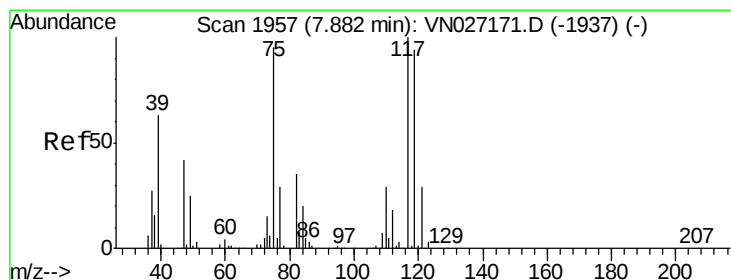
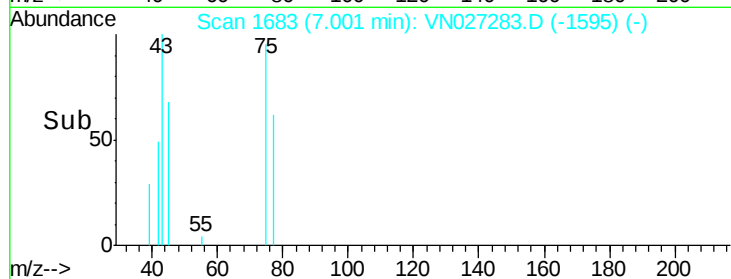
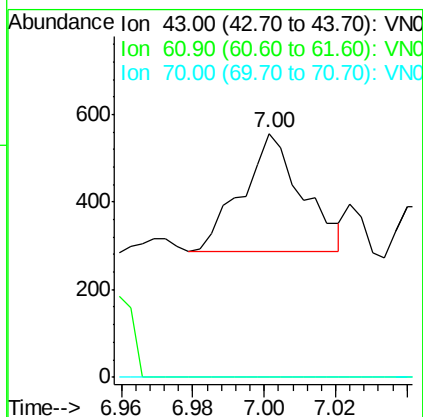
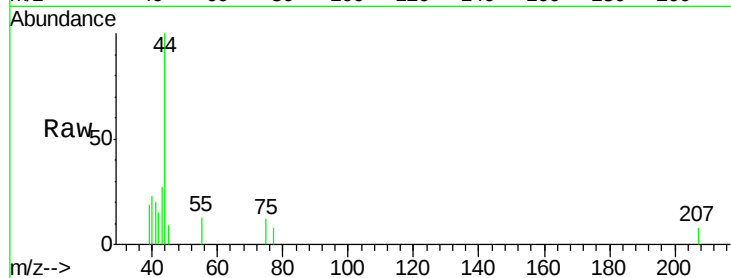




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.00 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

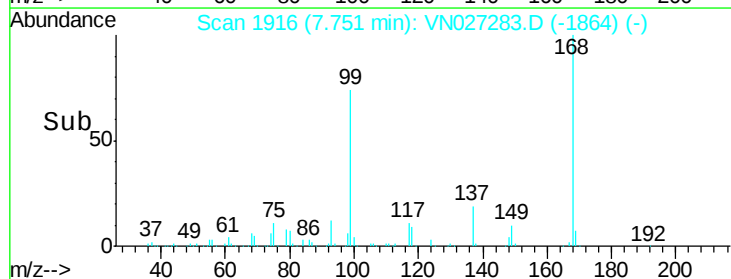
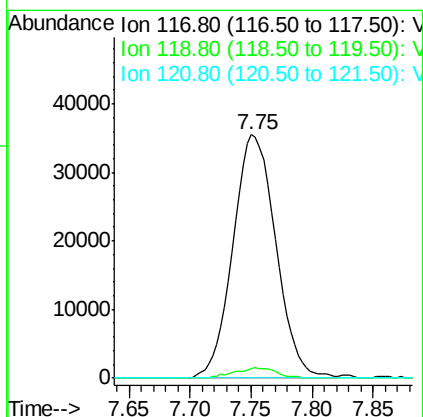
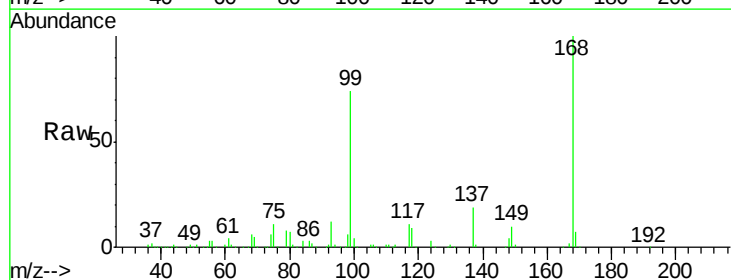
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MSVOA_N
ClientSampleId :
MW-7

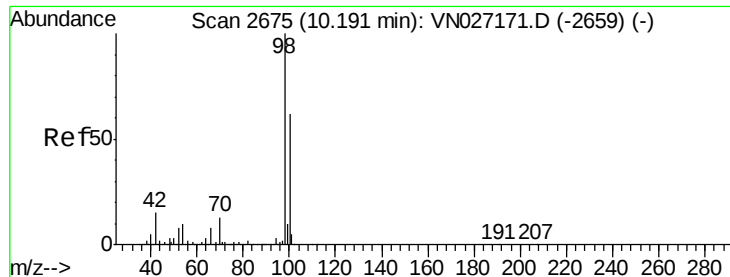
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

Tgt Ion: 117 Resp: 86470
Ion Ratio Lower Upper
117 100
119 4.0 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 53.56 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampleId :

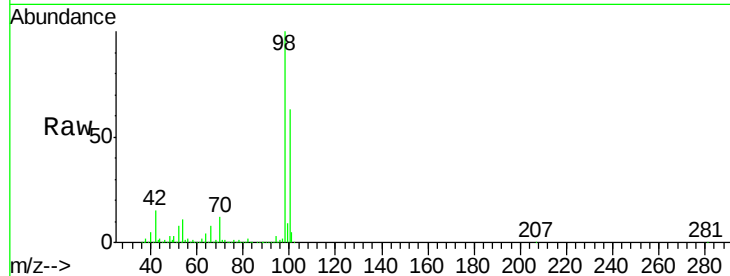
MW-7

Tgt Ion: 98 Resp: 1990285

Ion Ratio Lower Upper

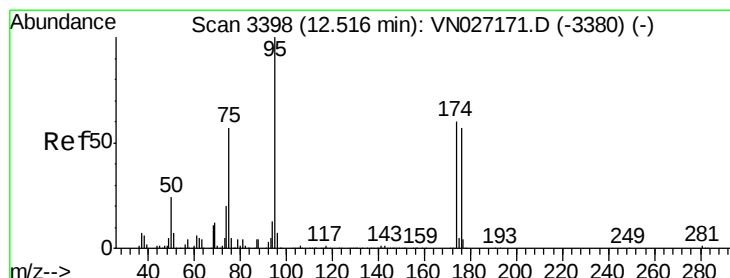
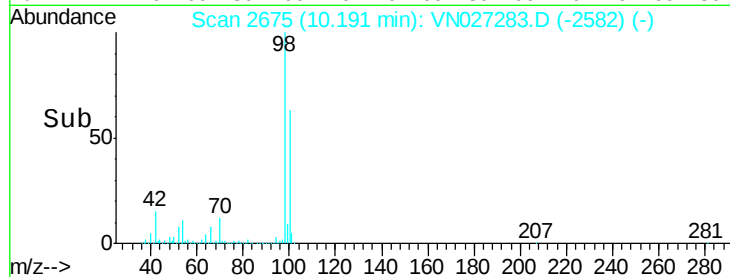
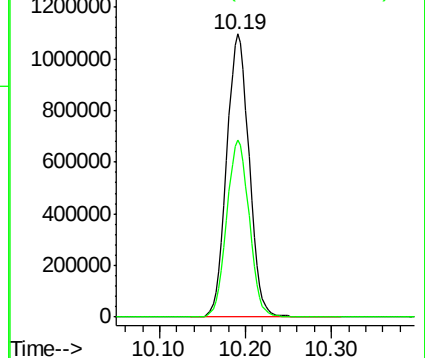
98 100

100 62.7 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#63

4-Bromofluorobenzene

Concen: 50.82 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

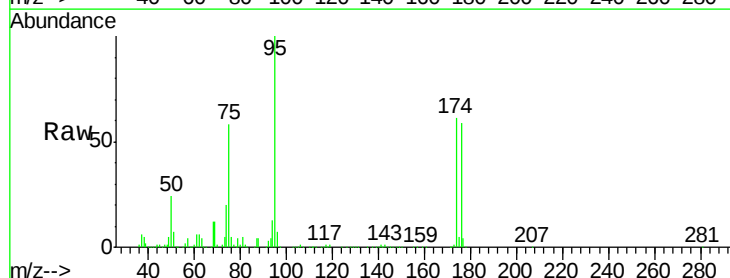
Tgt Ion: 95 Resp: 670283

Ion Ratio Lower Upper

95 100

174 62.4 0.0 137.0

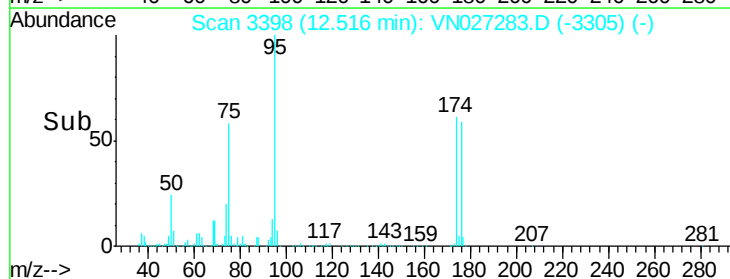
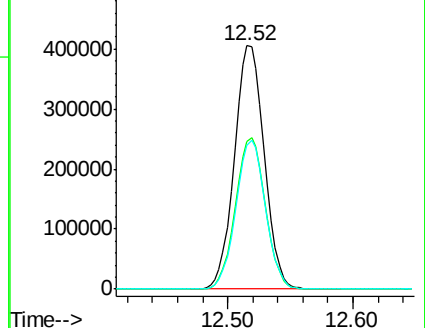
176 60.7 0.0 130.8

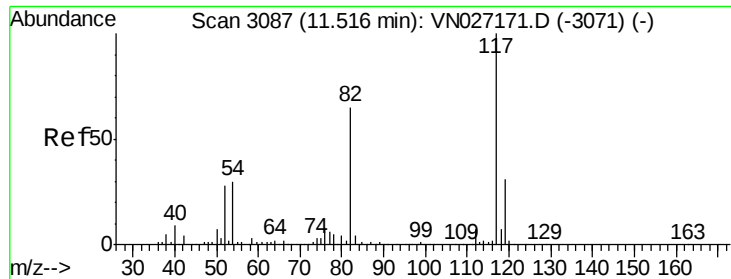


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

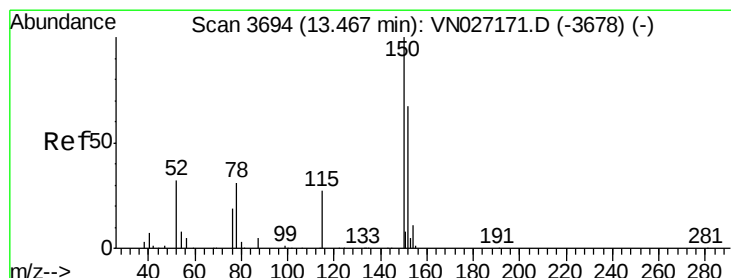
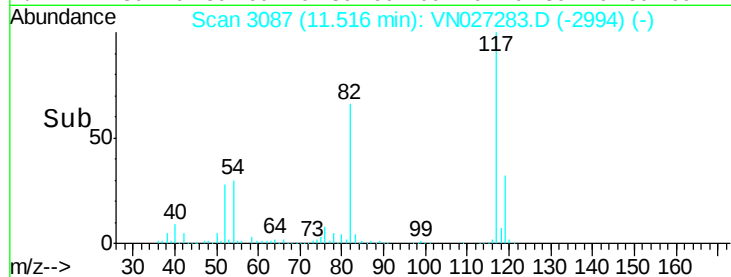
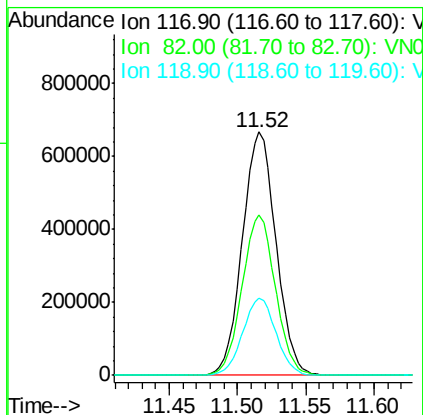
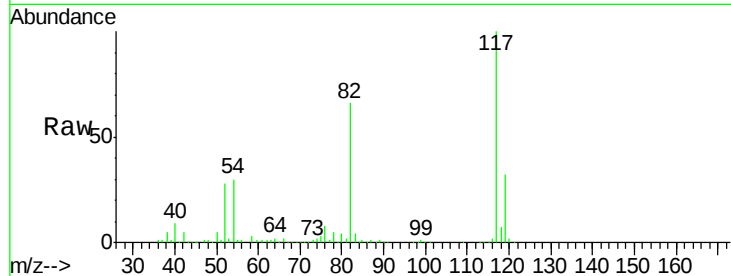




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

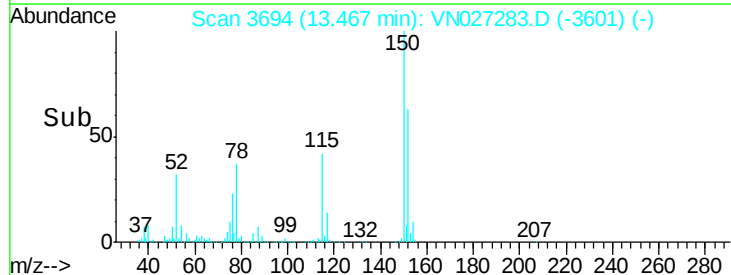
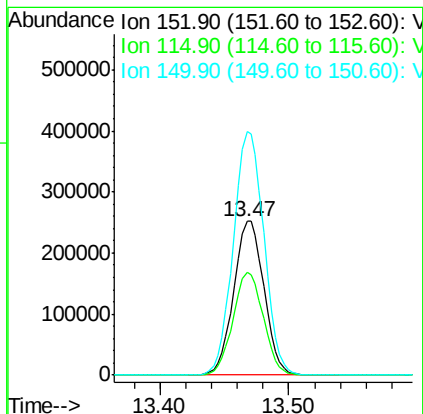
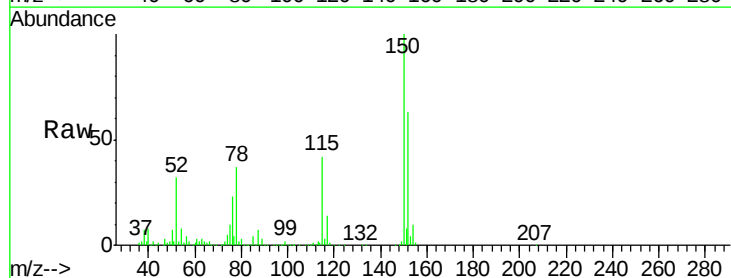
Instrument :
MSVOA_N
ClientSampled :
MW-7

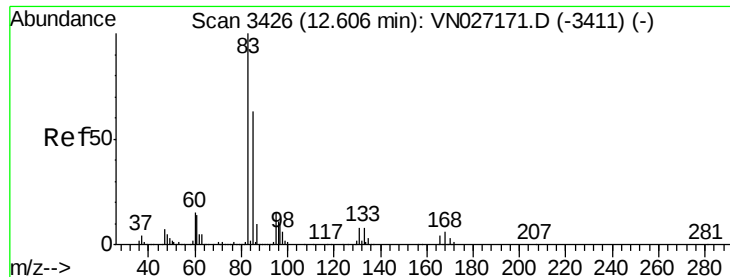
Tgt Ion:117 Resp: 1143467
Ion Ratio Lower Upper
117 100
82 66.0 49.6 74.4
119 31.8 24.6 36.8



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027283.D
Acq: 18 Sep 2015 5:00

Tgt Ion:152 Resp: 412120
Ion Ratio Lower Upper
152 100
115 67.0 30.8 92.3
150 159.6 0.0 345.0





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.58 min Scan# 3417

Delta R.T. -0.03 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampleId :

MW-7

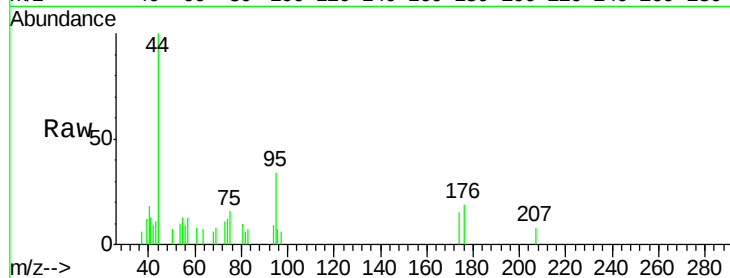
Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

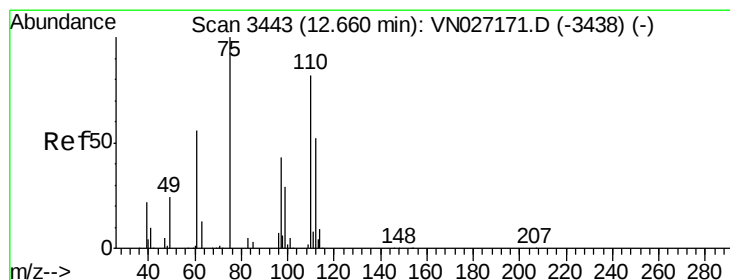
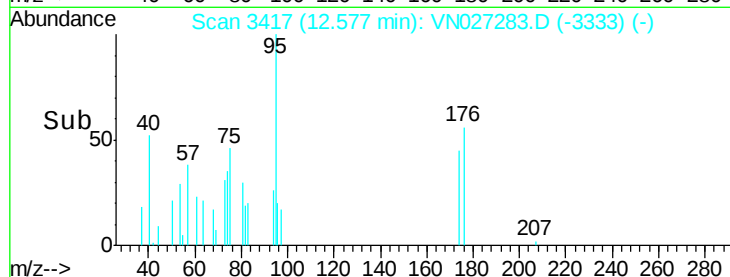
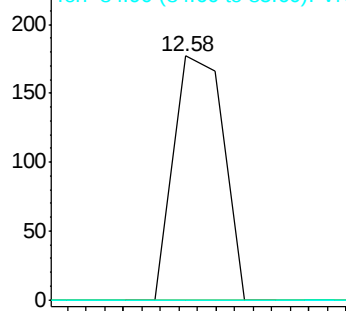
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): 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: 31.19 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027283.D

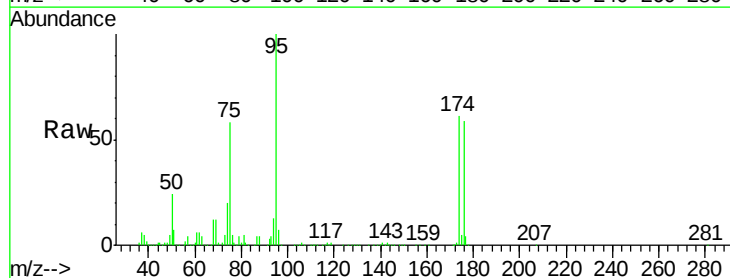
Acq: 18 Sep 2015 5:00

Tgt Ion: 75 Resp: 388442

Ion Ratio Lower Upper

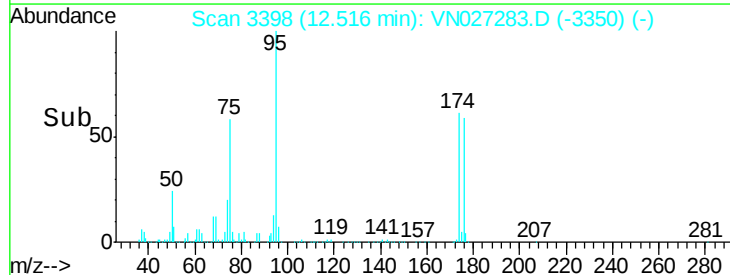
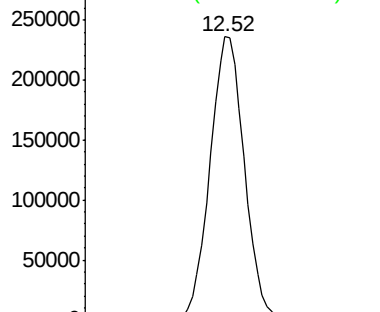
75 100

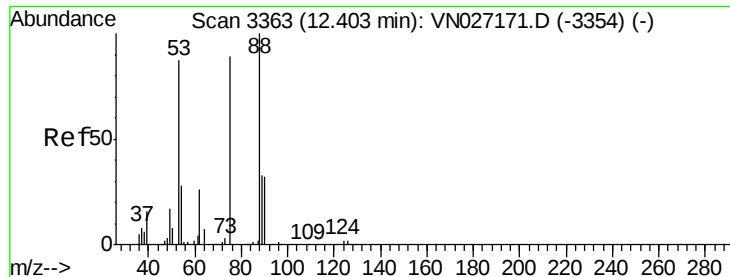
77 1.0 103.1 309.3#



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: 76.60 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

Instrument :

MSVOA_N

ClientSampled :

MW-7

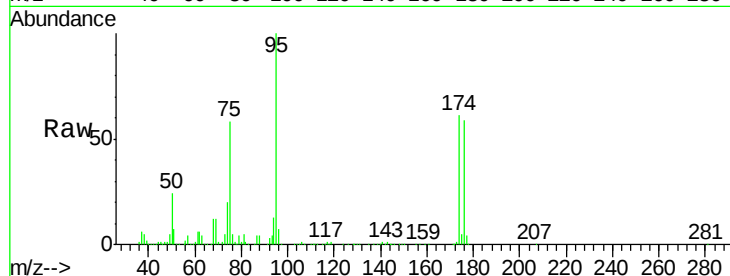
Tgt Ion: 75 Resp: 388442

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

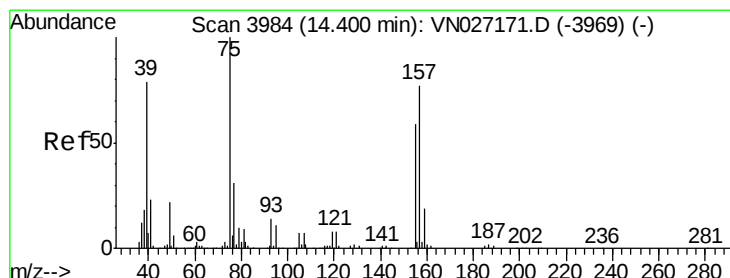
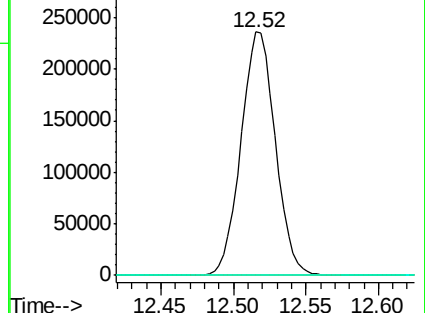
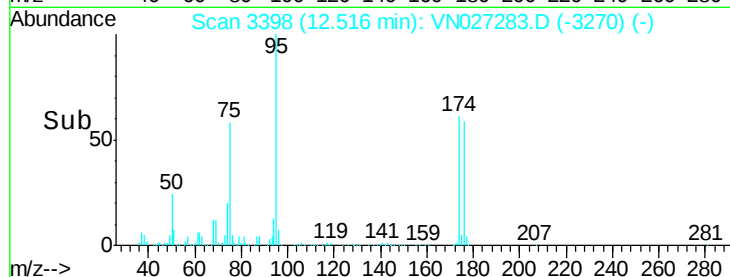
89 0.0 34.2 51.4#



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: 14.38 min Scan# 3979

Delta R.T. -0.02 min

Lab File: VN027283.D

Acq: 18 Sep 2015 5:00

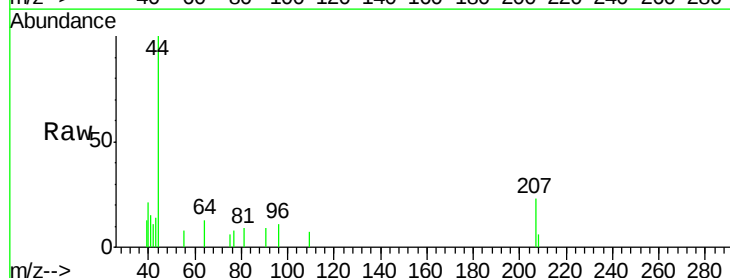
Tgt Ion: 75 Resp: 59

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

