

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027281.D
 Acq On : 18 Sep 2015 4:05
 Operator : MD\FY
 Sample : G3706-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Sep 18 06:45:48 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	739445	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1357643	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1142694	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	403564	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	753372	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
36) Dibromofluoromethane	7.68	113	483236	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
51) Toluene-d8	10.19	98	1973204	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
63) 4-Bromofluorobenzene	12.52	95	658965	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

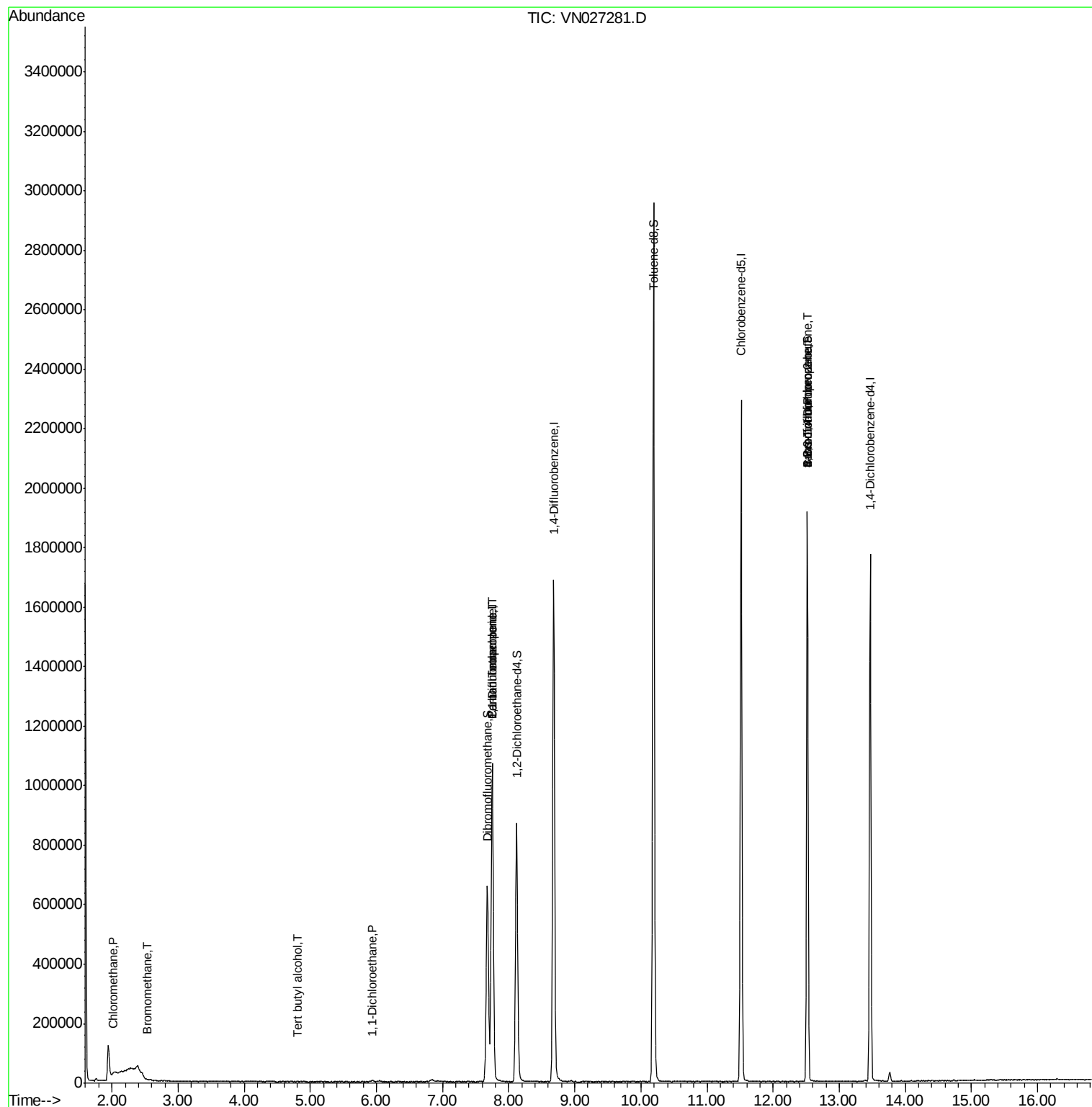
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1738	1.28	ug/l #	40
6) Bromomethane	2.54	94	232	1.64	ug/l #	4
12) Tert butyl alcohol	4.80	59	303	0.20	ug/l #	74
25) 1,1-Dichloroethane	5.93	63	6957	0.30	ug/l #	86
37) 1,1-Dichloropropene	7.75	75	76699	4.83	ug/l #	50
38) Ethyl Acetate	7.04	43	189	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	84877	5.68	ug/l #	16
72) Bromoform	12.52	173	3771	0.59	ug/l #	1
76) 1,1,2,2-Tetrachloroethane	12.61	83	69	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	382343	31.35	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	382343	77.00	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.35	75	63	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# 1916

Delta R.T. -0.00 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

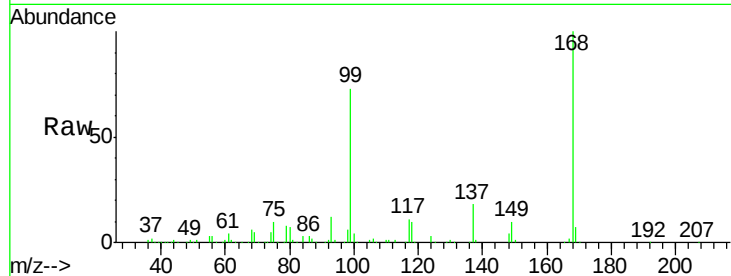
MW-5

Tgt Ion:168 Resp: 739445

Ion Ratio Lower Upper

168 100

99 73.3 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

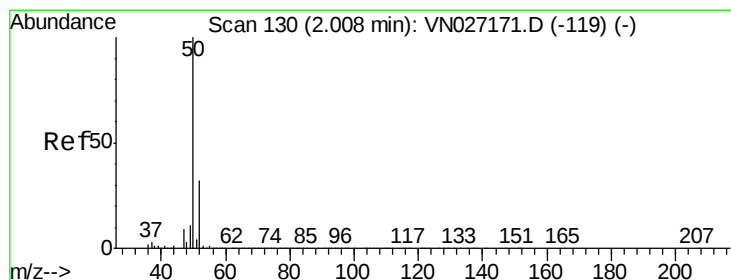
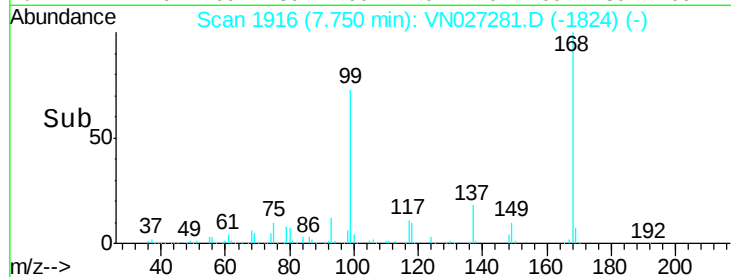
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.28 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027281.D

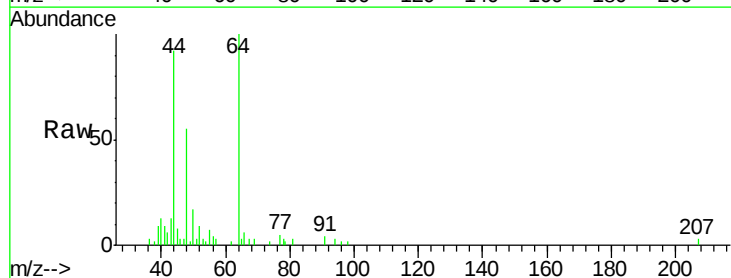
Acq: 18 Sep 2015 4:05

Tgt Ion: 50 Resp: 1738

Ion Ratio Lower Upper

50 100

52 65.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.01

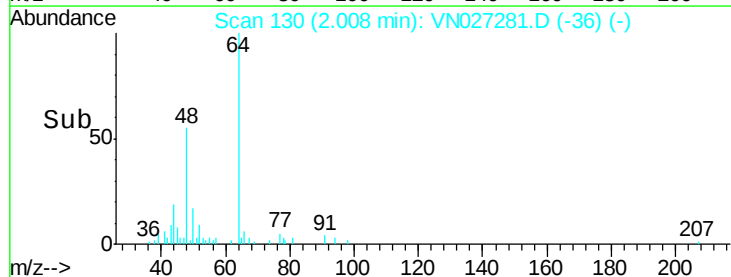
1500

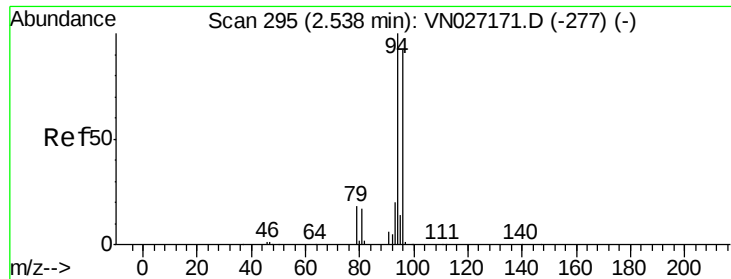
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.64 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

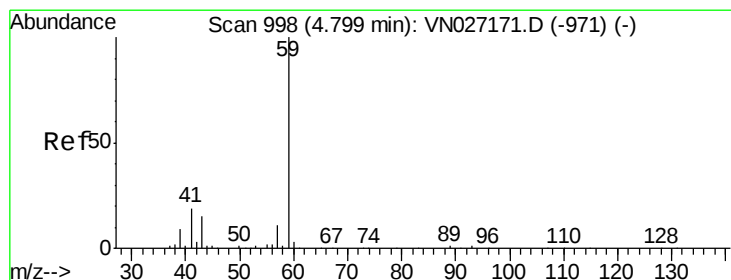
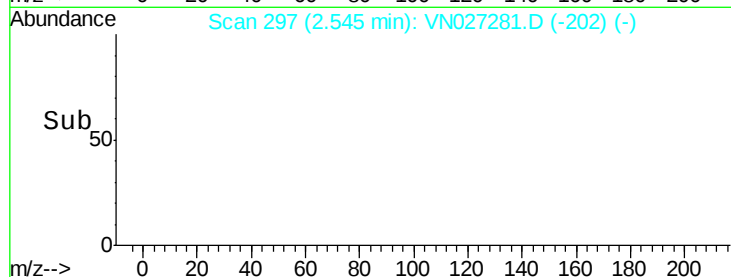
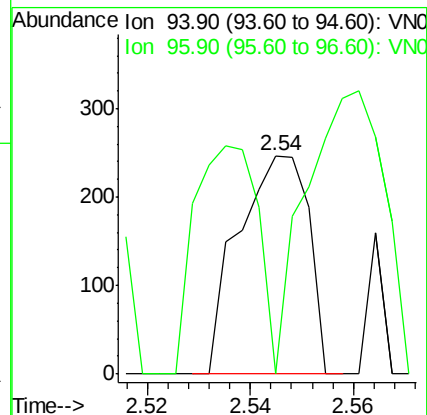
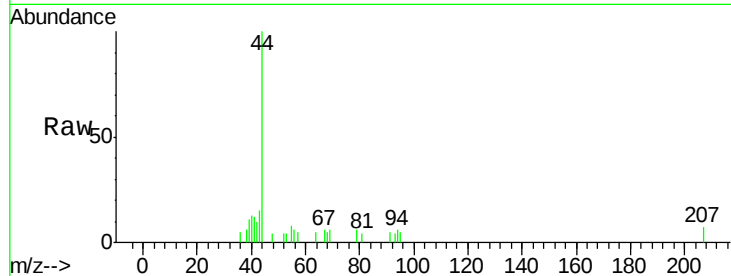
MW-5

Tgt Ion: 94 Resp: 232

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#



#12

Tert butyl alcohol

Concen: 0.20 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN027281.D

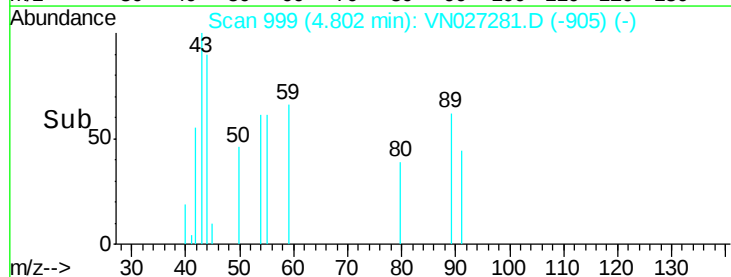
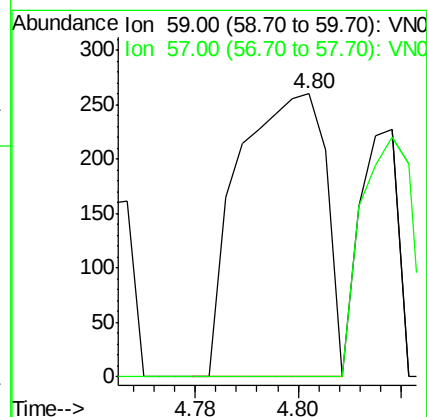
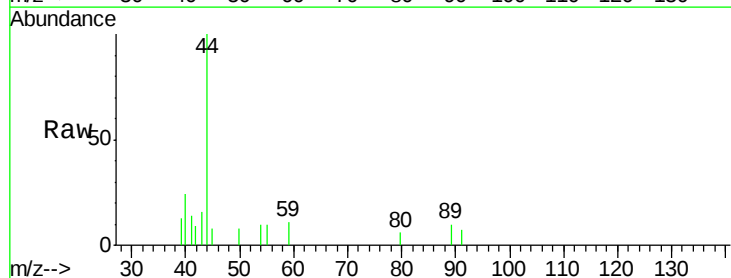
Acq: 18 Sep 2015 4:05

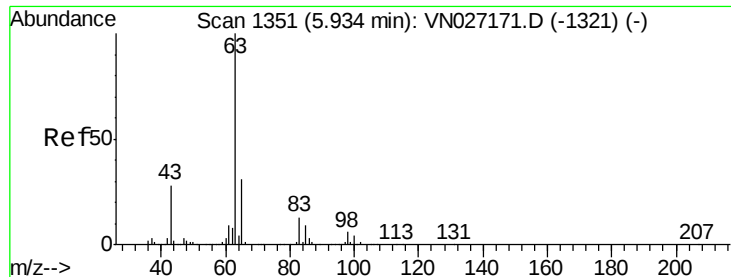
Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#





#25

1,1-Dichloroethane

Concen: 0.30 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampled :

MW-5

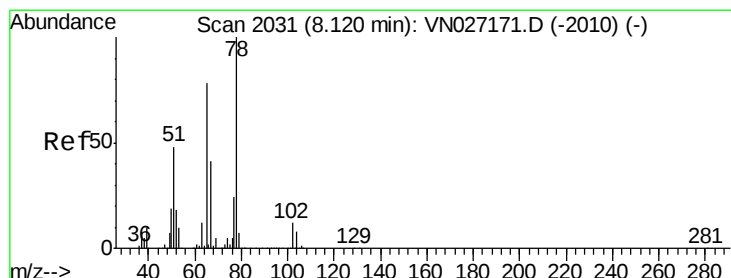
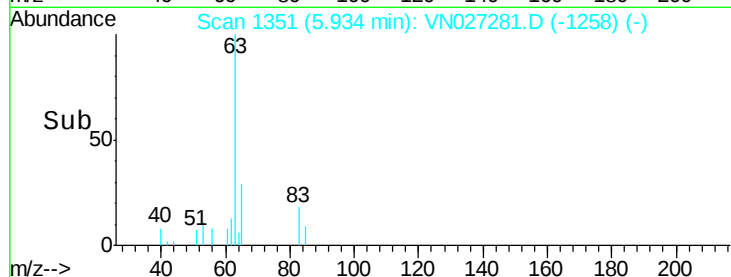
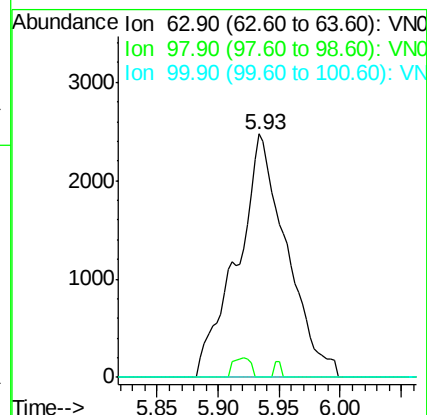
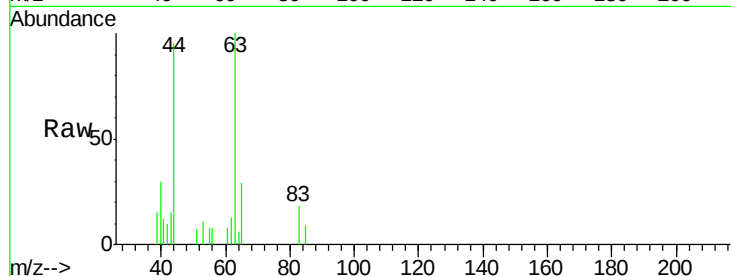
Tgt Ion: 63 Resp: 6957

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.7 5.0#



#34

1,2-Dichloroethane-d4

Concen: 49.73 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027281.D

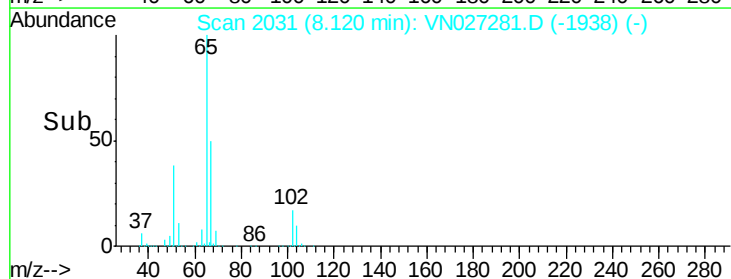
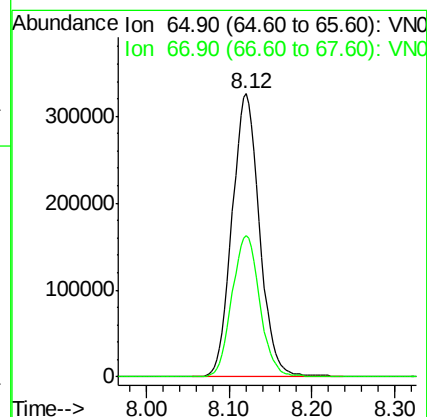
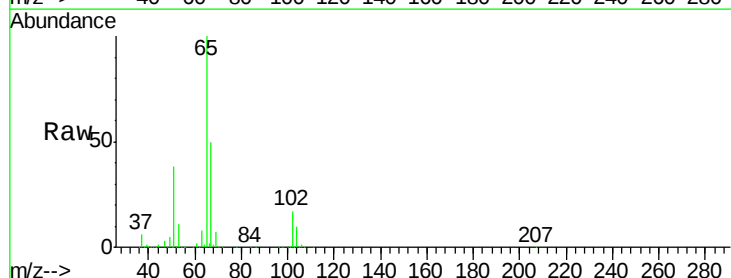
Acq: 18 Sep 2015 4:05

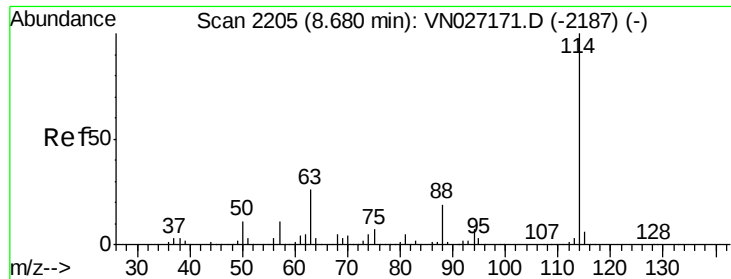
Tgt Ion: 65 Resp: 753372

Ion Ratio Lower Upper

65 100

67 50.7 0.0 110.6

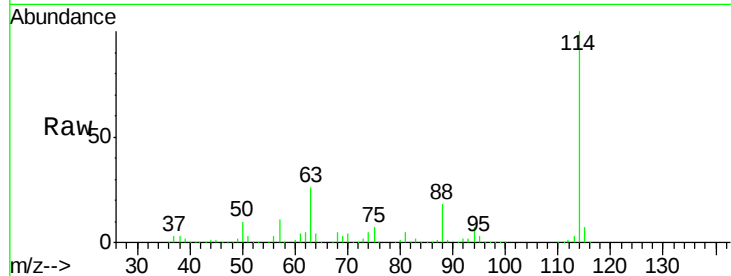




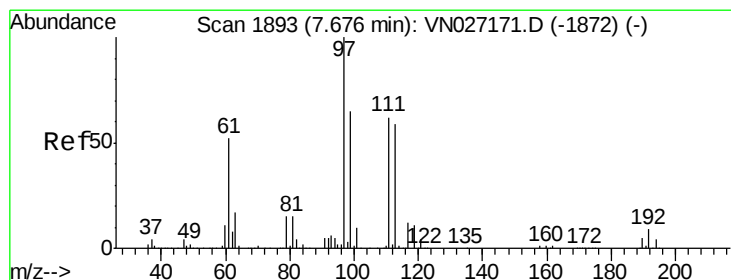
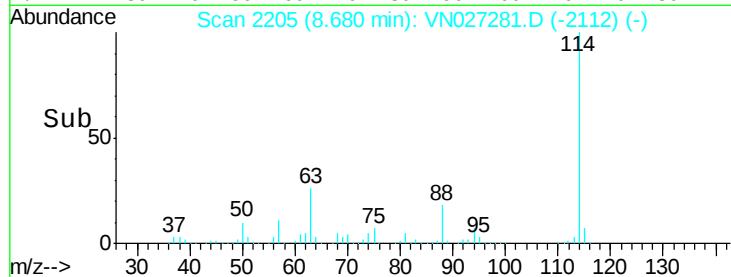
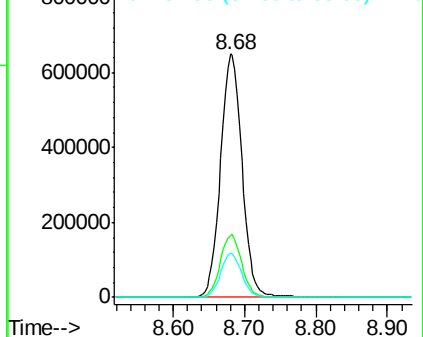
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027281.D
 Acq: 18 Sep 2015 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tgt Ion:114 Resp: 1357643
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 48.8
 88 18.2 0.0 32.2

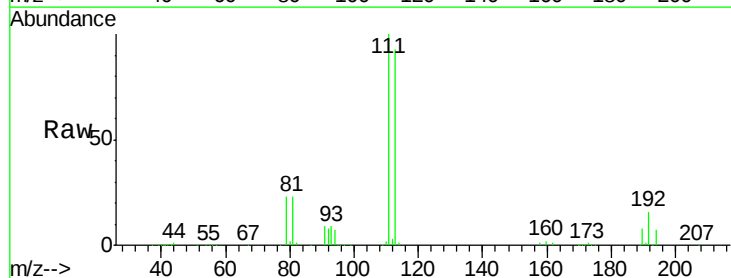


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

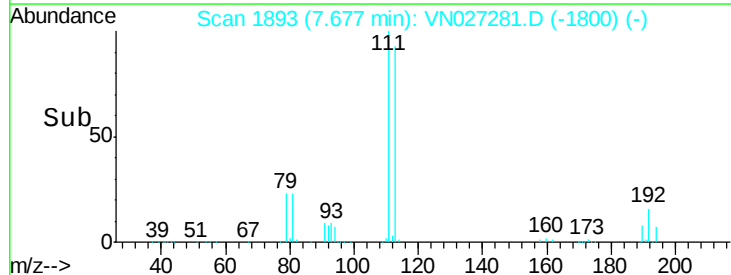
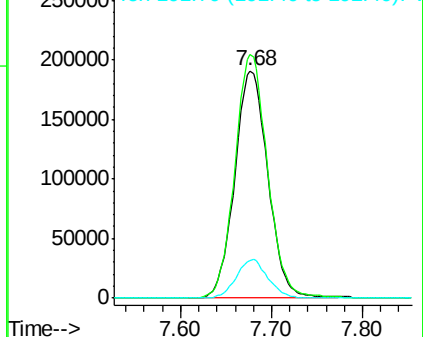


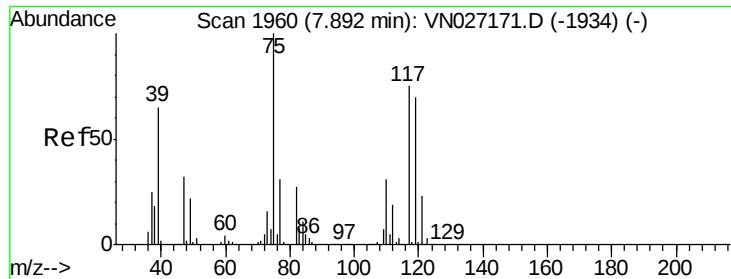
#36
 Dibromofluoromethane
 Concen: 51.35 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027281.D
 Acq: 18 Sep 2015 4:05

Tgt Ion:113 Resp: 483236
 Ion Ratio Lower Upper
 113 100
 111 105.6 83.0 124.4
 192 16.3 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

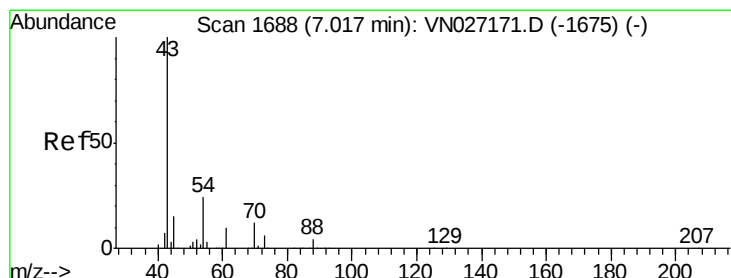
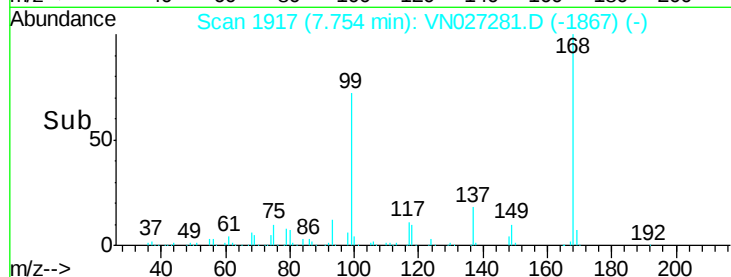
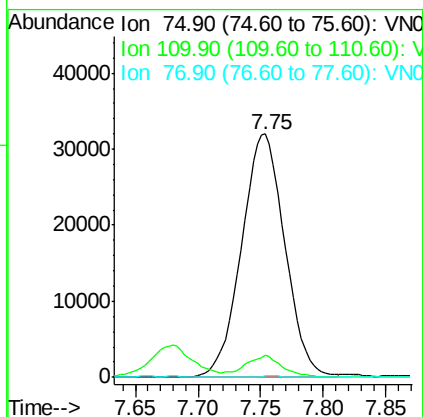
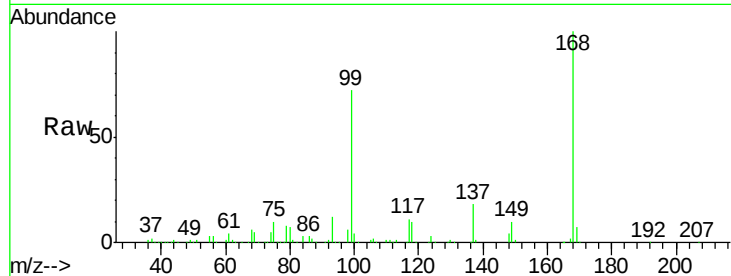




#37
 1,1-Dichloropropene
 Concen: 4.83 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027281.D
 Acq: 18 Sep 2015 4:05

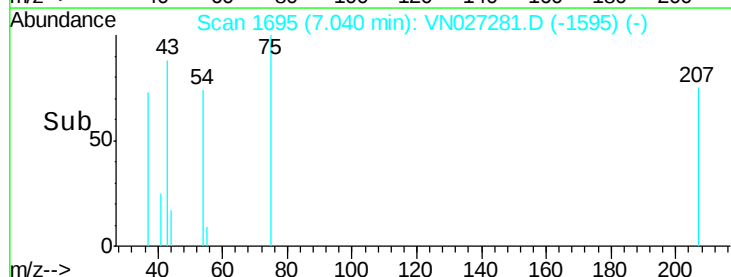
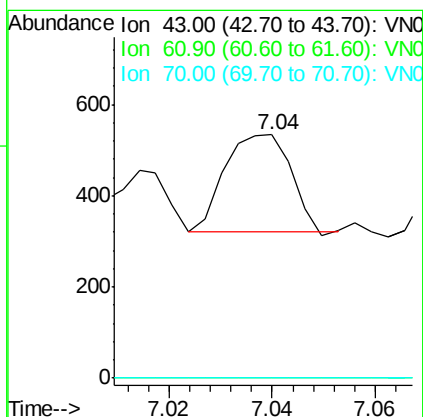
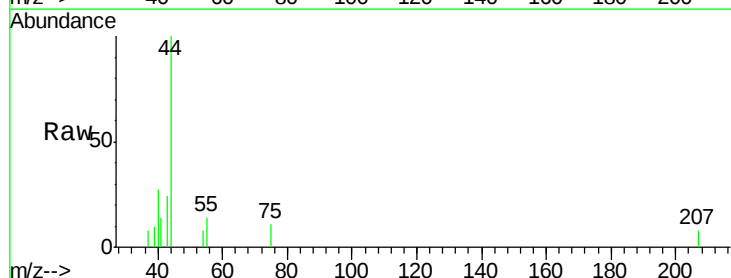
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

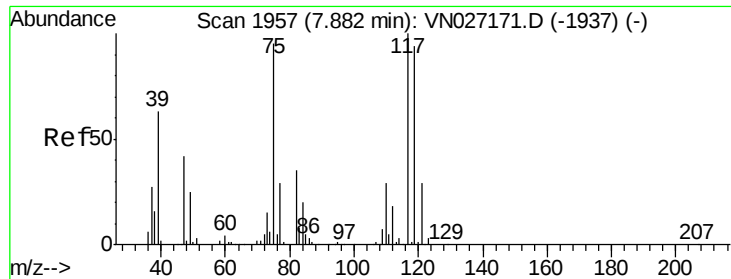
Tgt Ion: 75 Resp: 76699
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.9 47.7#
 77 0.2 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.04 min Scan# 1695
 Delta R.T. 0.02 min
 Lab File: VN027281.D
 Acq: 18 Sep 2015 4:05

Tgt Ion: 43 Resp: 189
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#





#39

Carbon Tetrachloride

Concen: 5.68 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

MW-5

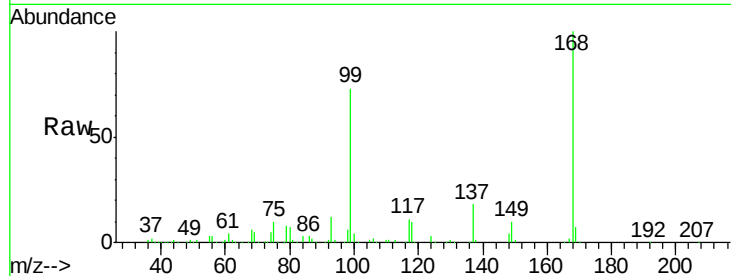
Tgt Ion:117 Resp: 84877

Ion Ratio Lower Upper

117 100

119 3.8 75.3 112.9#

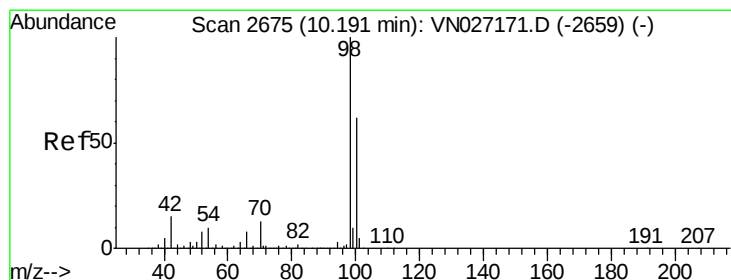
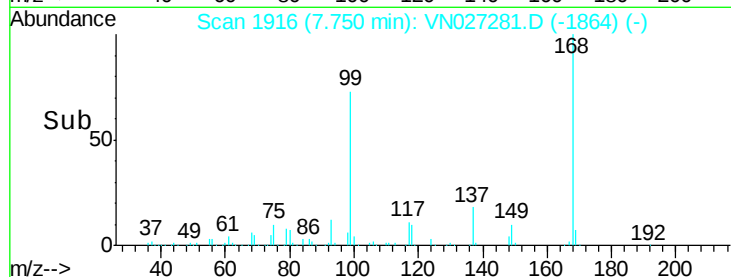
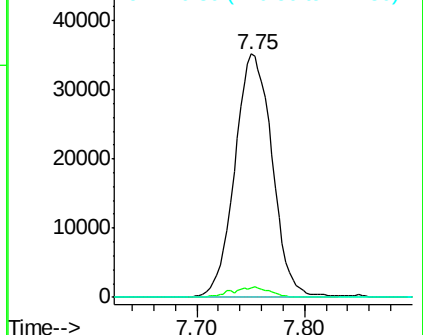
121 0.0 23.8 35.8#



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: 53.55 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027281.D

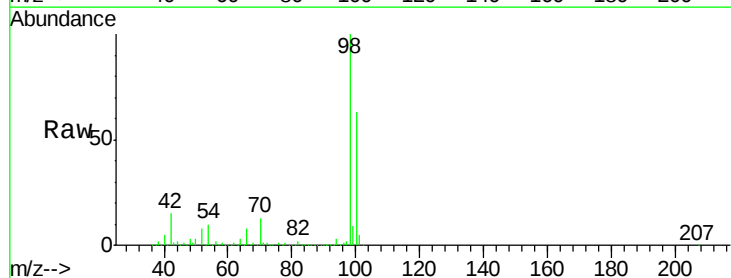
Acq: 18 Sep 2015 4:05

Tgt Ion: 98 Resp: 1973204

Ion Ratio Lower Upper

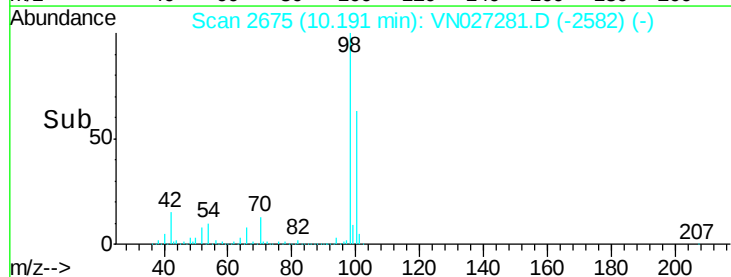
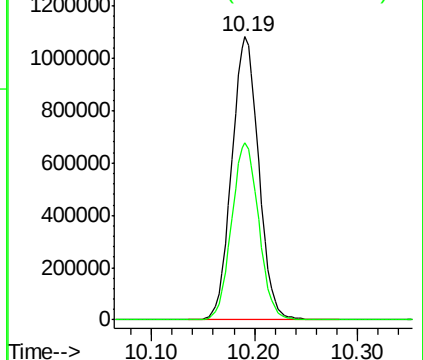
98 100

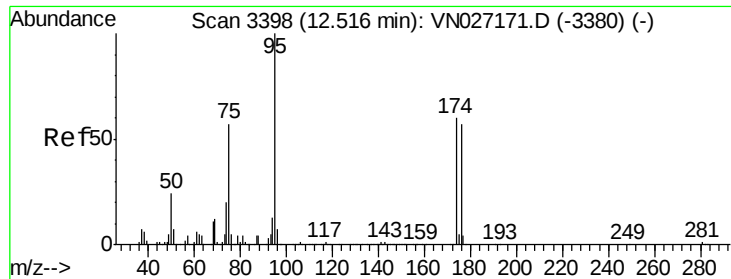
100 62.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

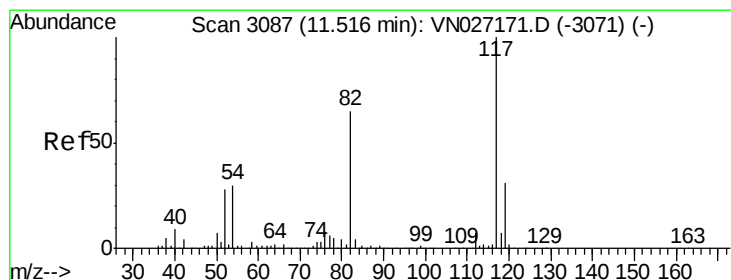
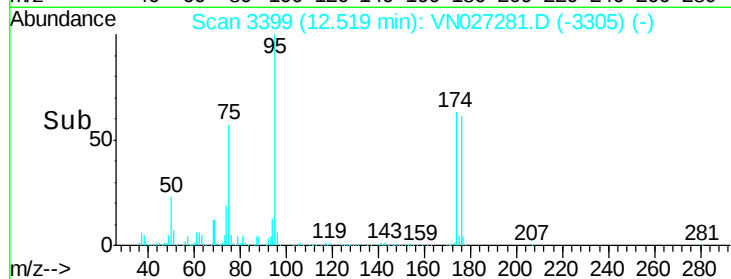
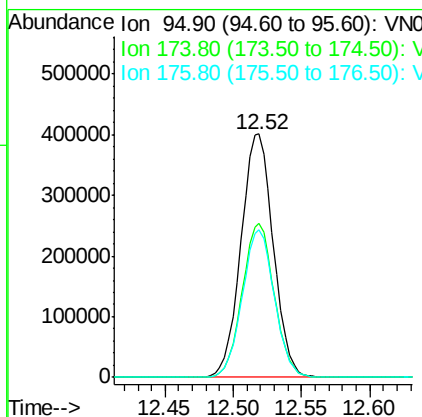
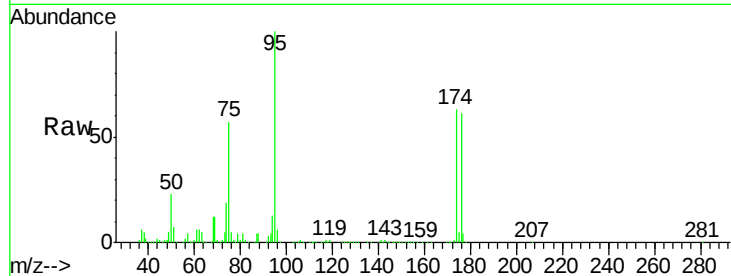




#63
4-Bromofluorobenzene
Concen: 50.38 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027281.D
Acq: 18 Sep 2015 4:05

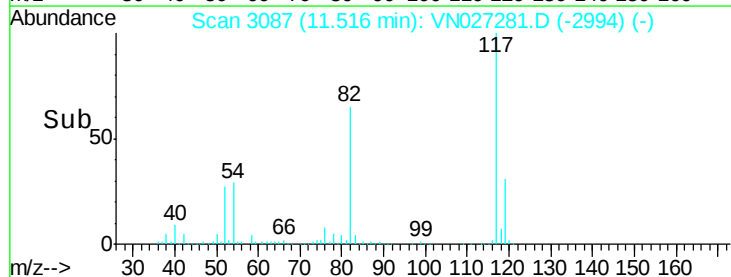
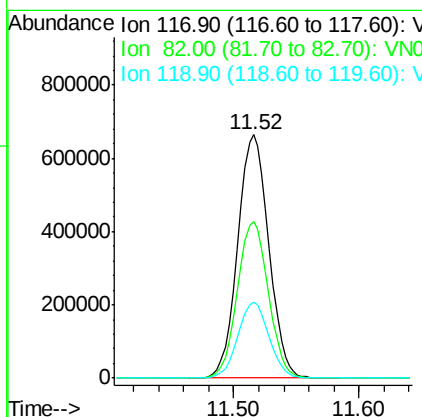
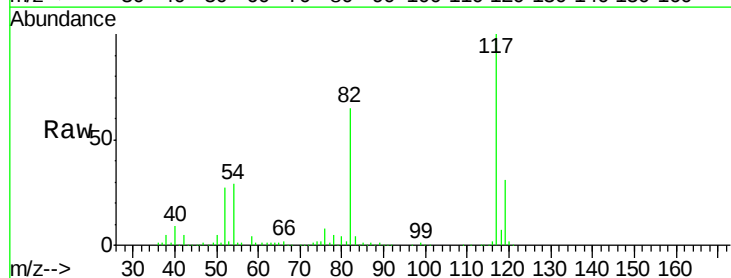
Instrument :
MSVOA_N
ClientSampled :
MW-5

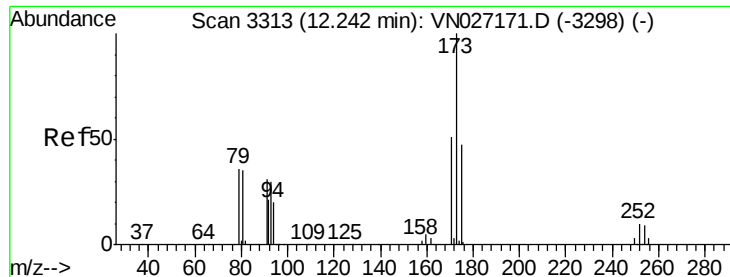
Tgt Ion: 95 Resp: 658965
Ion Ratio Lower Upper
95 100
174 62.7 0.0 137.0
176 60.2 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027281.D
Acq: 18 Sep 2015 4:05

Tgt Ion: 117 Resp: 1142694
Ion Ratio Lower Upper
117 100
82 64.5 49.6 74.4
119 31.3 24.6 36.8





#72

Bromoform

Concen: 0.59 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.28 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

MW-5

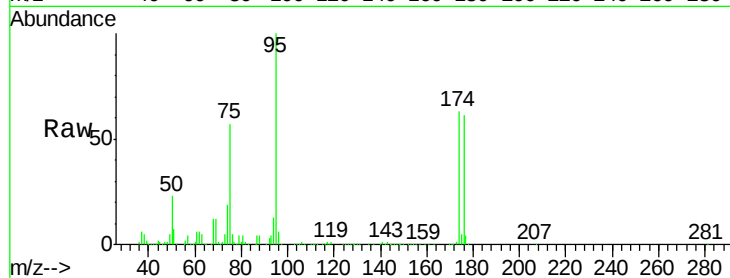
Tgt Ion:173 Resp: 3771

Ion Ratio Lower Upper

173 100

175 724.5 24.4 73.4#

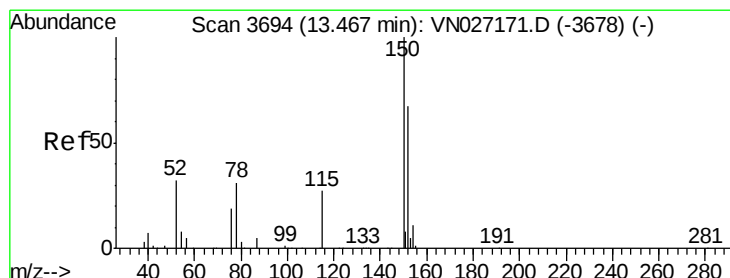
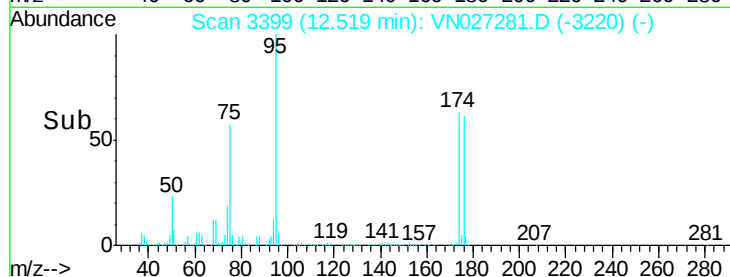
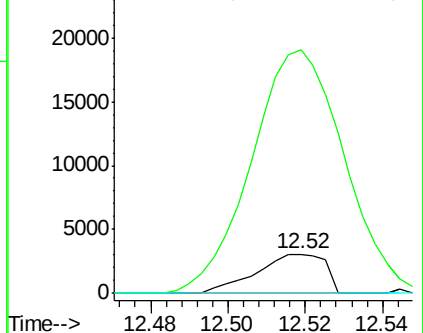
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

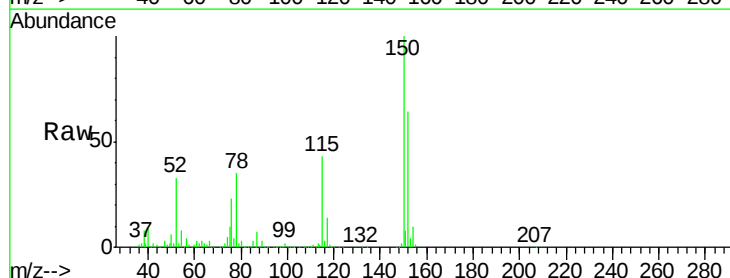
Tgt Ion:152 Resp: 403564

Ion Ratio Lower Upper

152 100

115 66.7 30.8 92.3

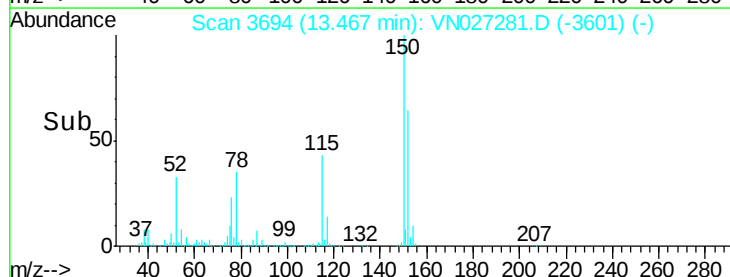
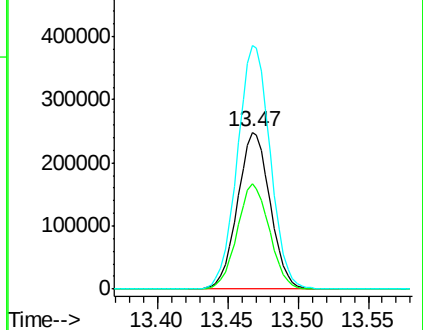
150 156.0 0.0 345.0

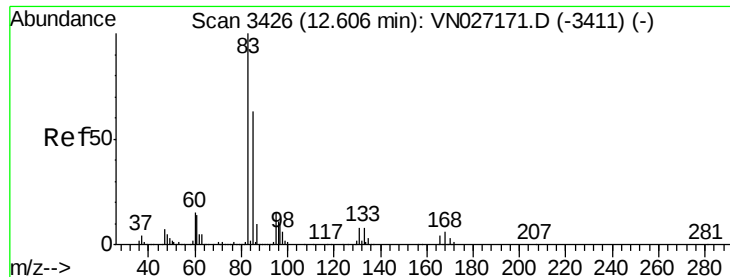


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.61 min Scan# 3428

Delta R.T. 0.01 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

MW-5

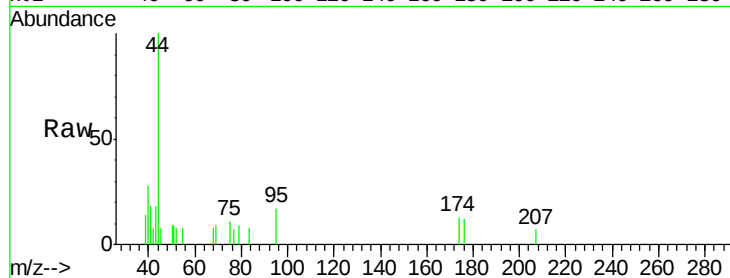
Tgt Ion: 83 Resp: 69

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

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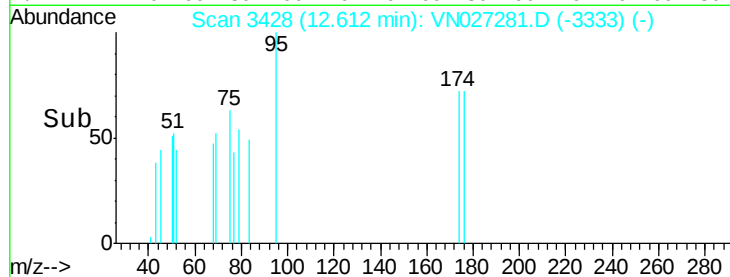
12.61

12.61

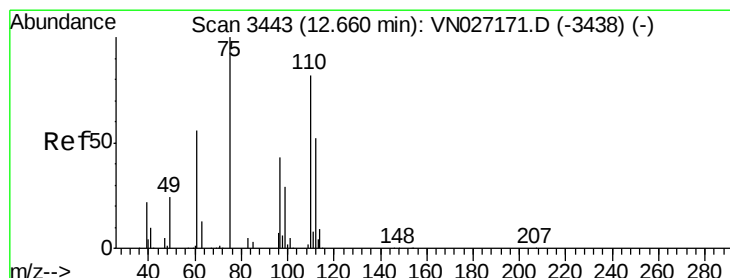
12.61

12.61

12.61



Time-->



#77

1,2,3-Trichloropropane

Concen: 31.35 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027281.D

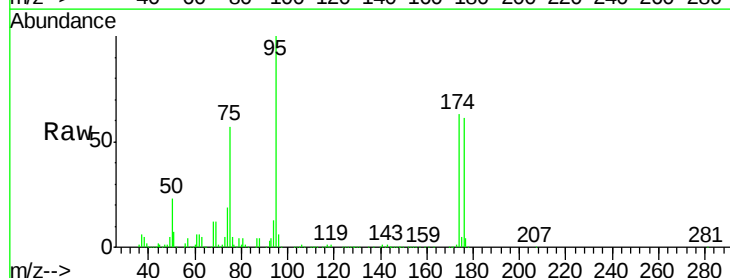
Acq: 18 Sep 2015 4:05

Tgt Ion: 75 Resp: 382343

Ion Ratio Lower Upper

75 100

77 1.1 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

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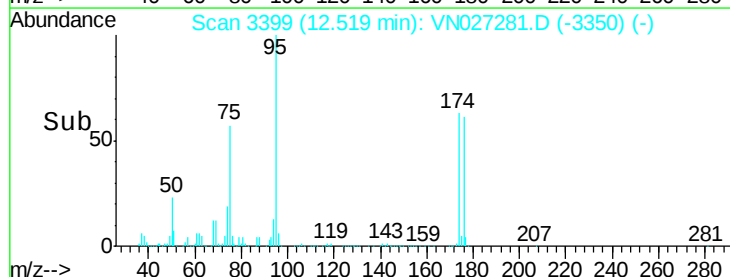
12.52

12.52

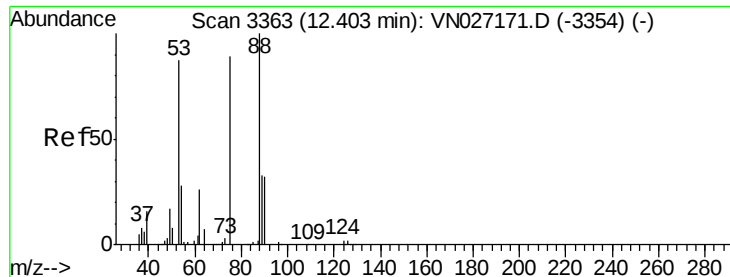
12.52

12.52

12.52



Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 77.00 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

Instrument :

MSVOA_N

ClientSampleId :

MW-5

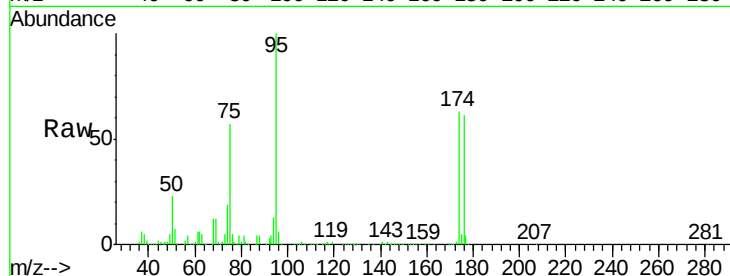
Tgt Ion: 75 Resp: 382343

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

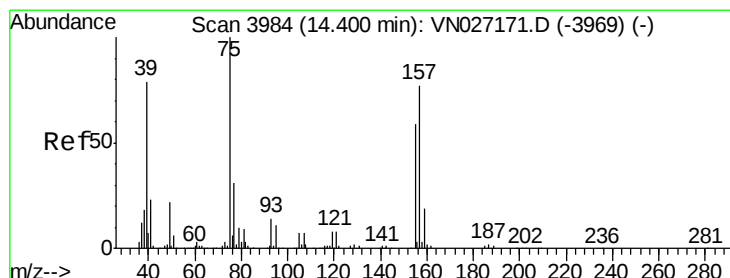
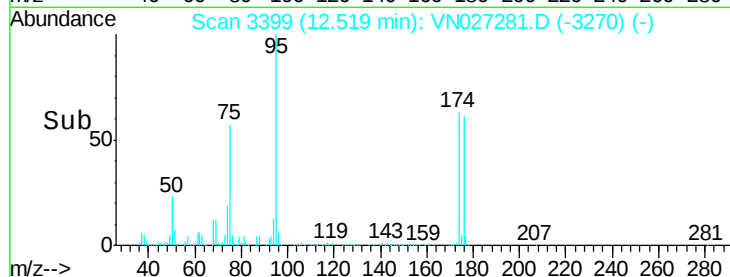
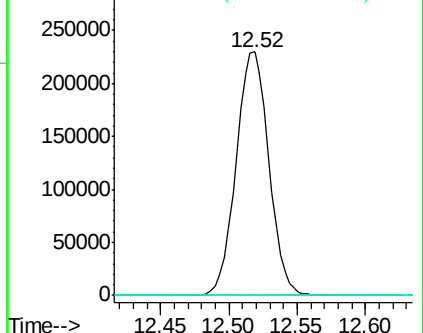
89 0.0 34.2 51.4#



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: 14.35 min Scan# 3970

Delta R.T. -0.04 min

Lab File: VN027281.D

Acq: 18 Sep 2015 4:05

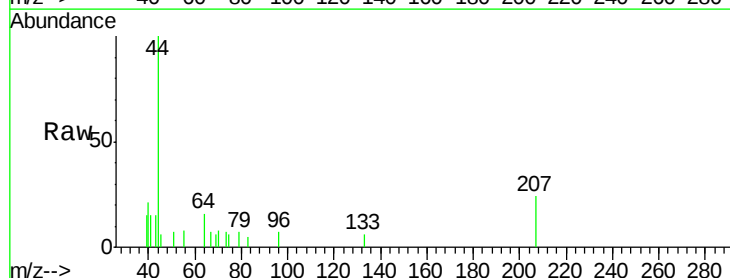
Tgt Ion: 75 Resp: 63

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

