

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027278.D
 Acq On : 18 Sep 2015 2:42
 Operator : MD\FY
 Sample : G3706-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Sep 18 06:44:52 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	758935	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1351004	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1143601	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	410688	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	753531	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
36) Dibromofluoromethane	7.68	113	479553	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
51) Toluene-d8	10.19	98	1980550	54.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.02%	
63) 4-Bromofluorobenzene	12.52	95	660168	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	

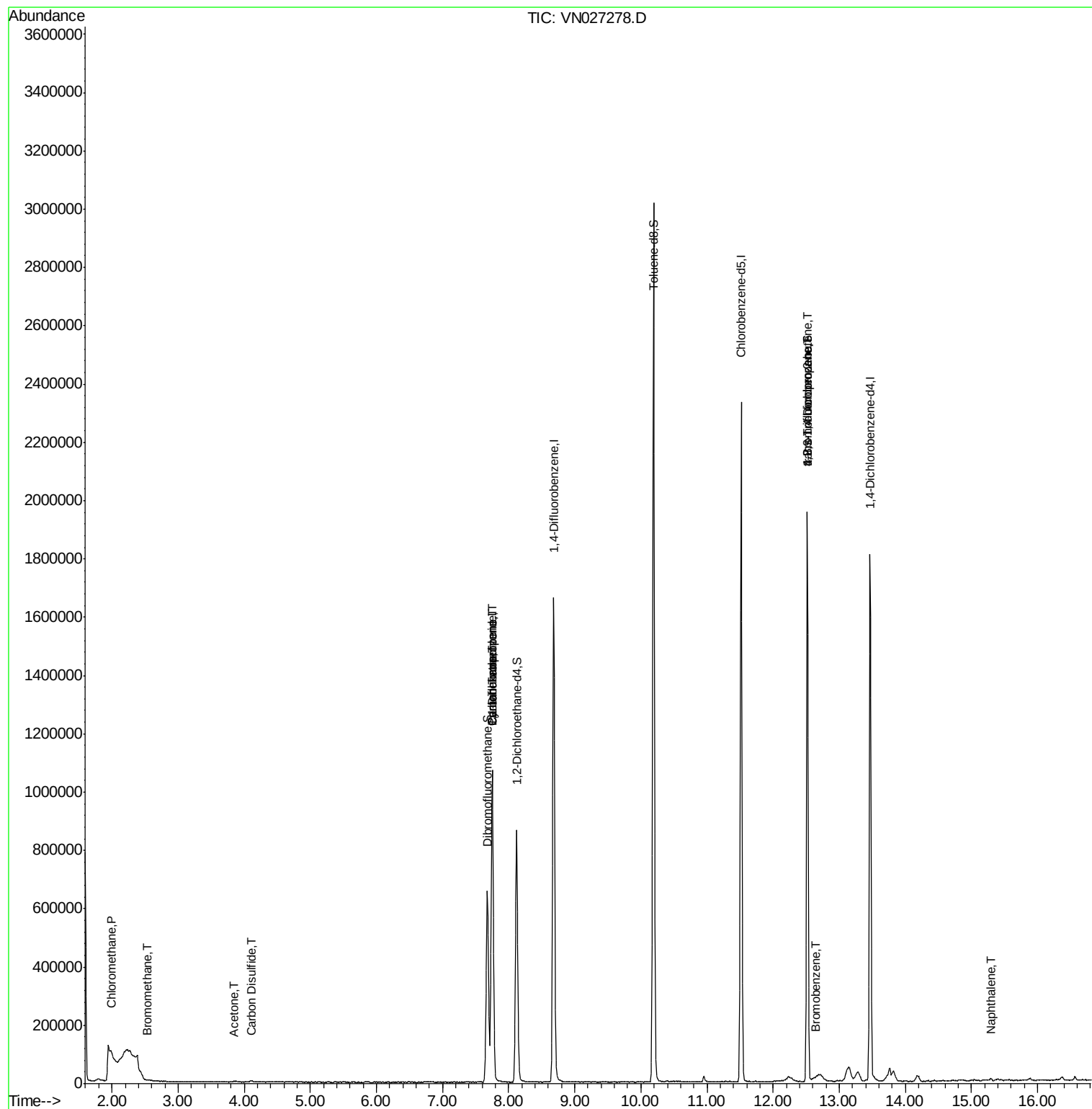
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2045	1.31	ug/l	97
6) Bromomethane	2.55	94	883	1.76	ug/l #	65
17) Acetone	3.85	43	6071	1.45	ug/l	99
18) Carbon Disulfide	4.11	76	8008	0.25	ug/l #	90
32) Cyclohexane	7.75	56	24560	0.23	ug/l #	17
37) 1,1-Dichloropropene	7.75	75	78239	4.95	ug/l #	50
38) Ethyl Acetate	7.01	43	374	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	85892	5.78	ug/l #	16
76) 1,1,2,2-Tetrachloroethane	12.59	83	32	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	383634	30.91	ug/l #	1
78) Bromobenzene	12.64	156	8150	0.92	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	383634	75.92	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.45	75	31	Below Cal	#	9
96) Naphthalene	15.29	128	5723	0.24	ug/l #	89

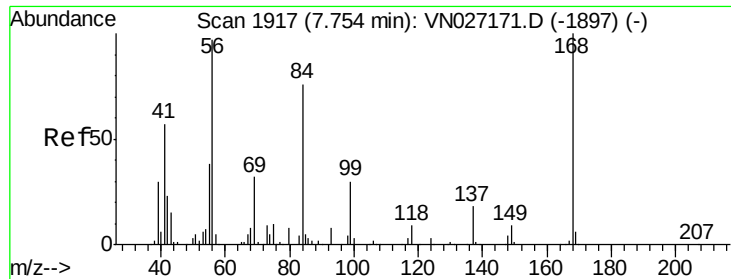
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027278.D

Acq: 18 Sep 2015 2:42

Instrument :

MSVOA_N

ClientSampled :

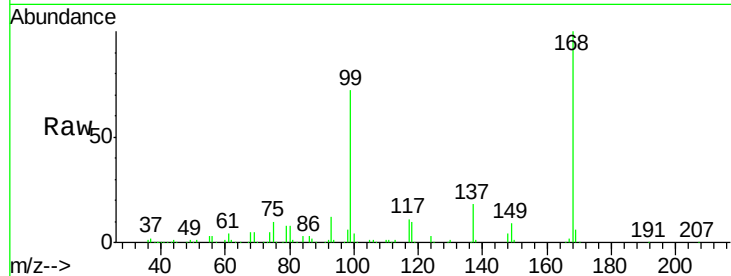
MW-1

Tgt Ion: 168 Resp: 758935

Ion Ratio Lower Upper

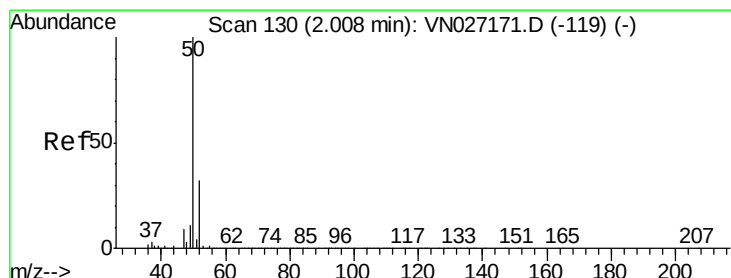
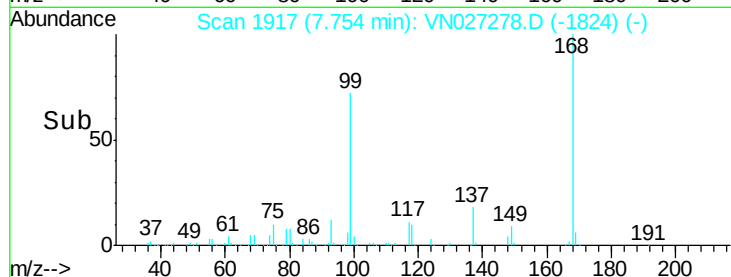
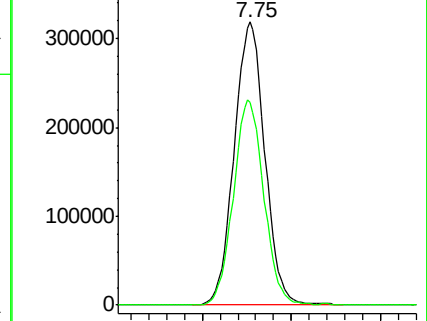
168 100

99 71.6 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Chloromethane

Concen: 1.31 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027278.D

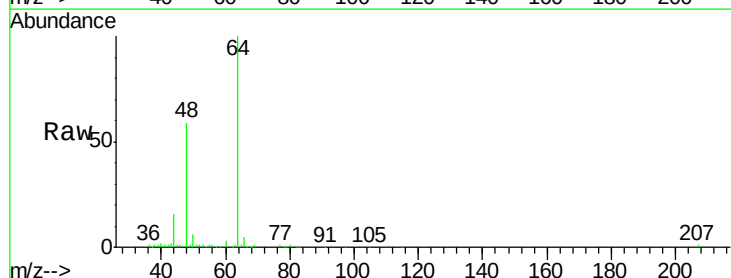
Acq: 18 Sep 2015 2:42

Tgt Ion: 50 Resp: 2045

Ion Ratio Lower Upper

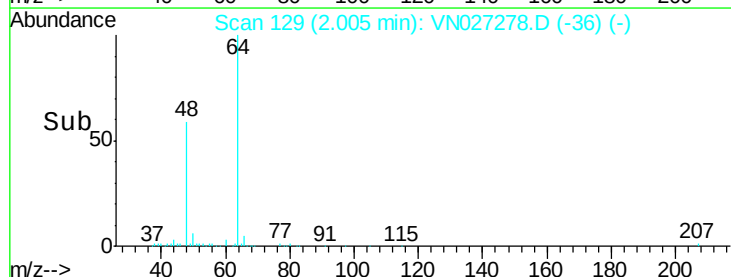
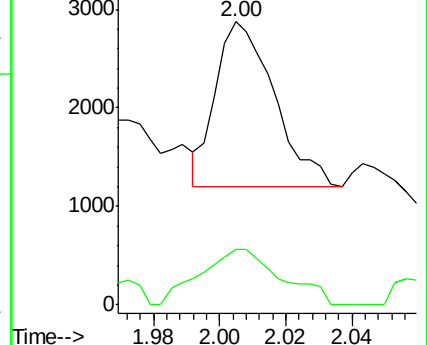
50 100

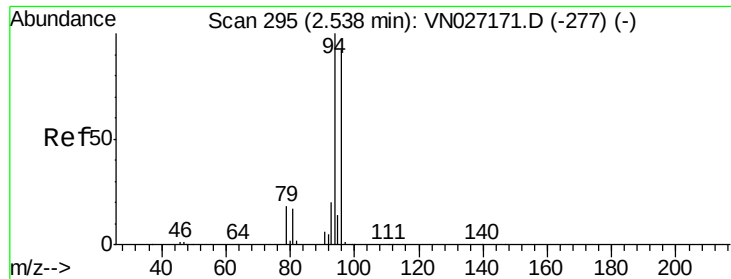
52 34.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 1.76 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

Instrument :

MSVOA_N

ClientSampled :

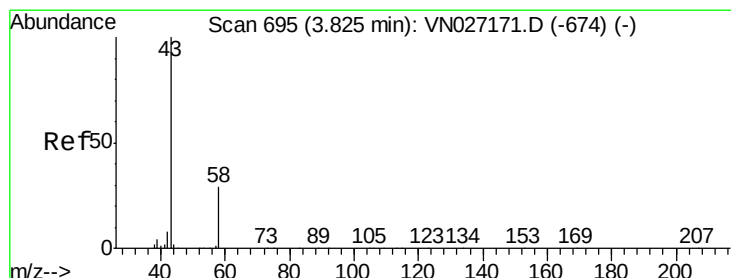
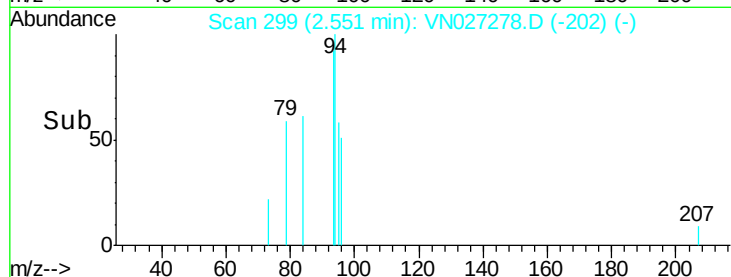
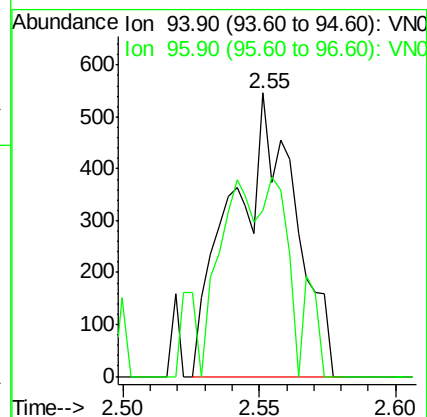
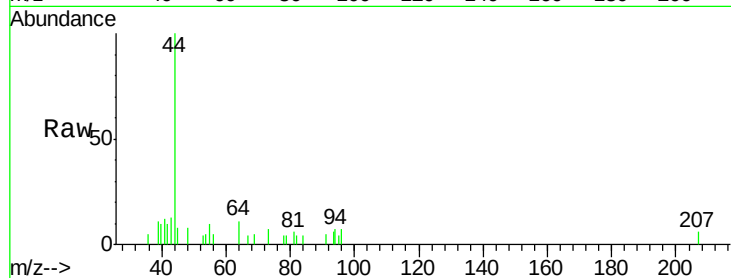
MW-1

Tgt Ion: 94 Resp: 883

Ion Ratio Lower Upper

94 100

96 58.4 73.4 110.2#



#17

Acetone

Concen: 1.45 ug/l

RT: 3.85 min Scan# 703

Delta R.T. 0.03 min

Lab File: VN027278.D

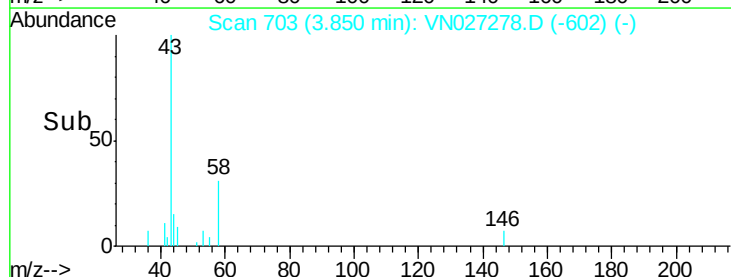
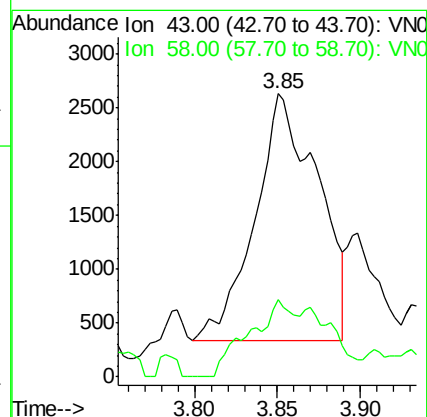
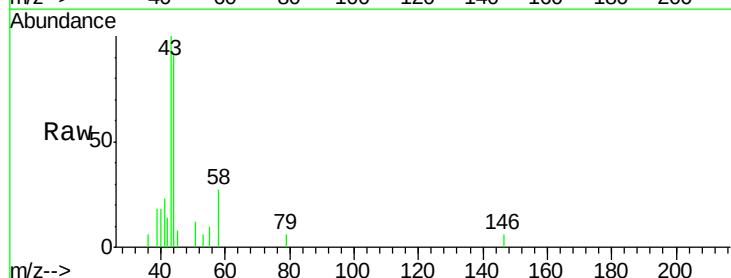
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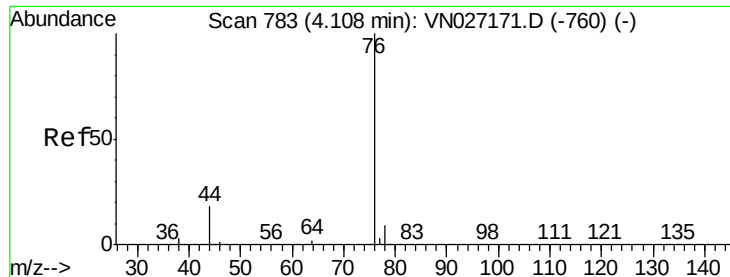
Tgt Ion: 43 Resp: 6071

Ion Ratio Lower Upper

43 100

58 31.3 25.4 38.0

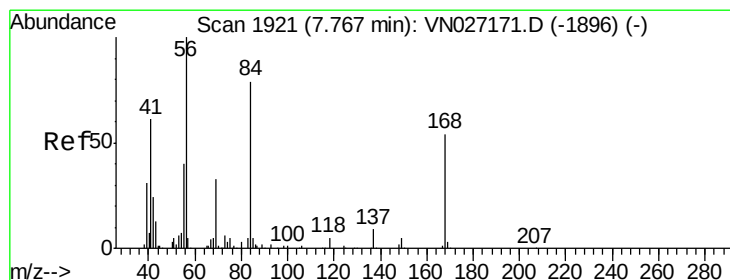
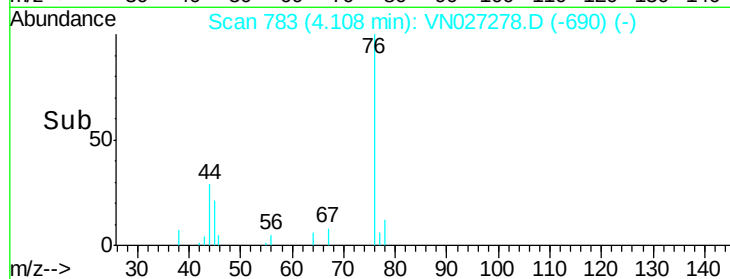
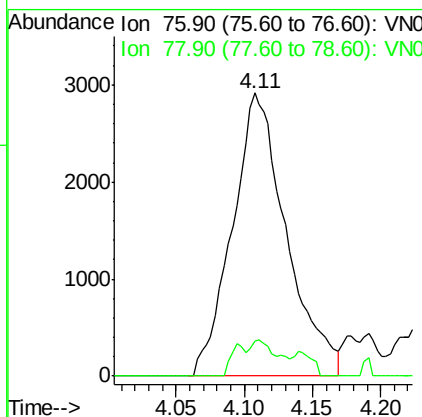
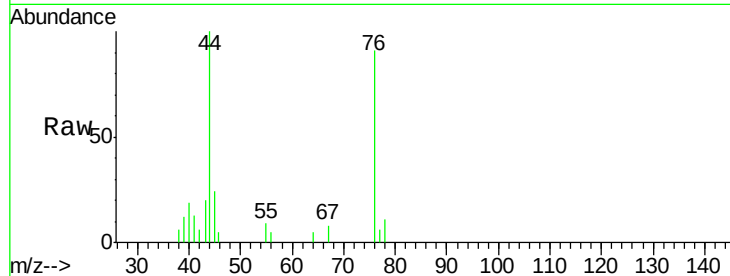




#18
Carbon Disulfide
Concen: 0.25 ug/l
RT: 4.11 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

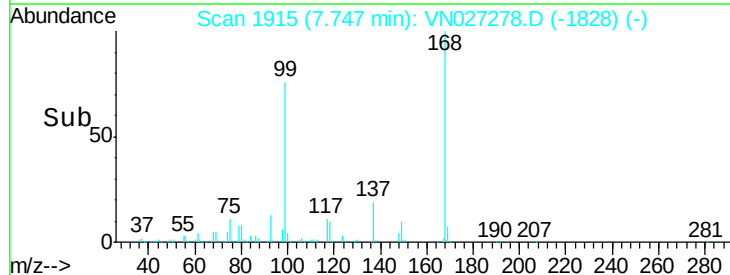
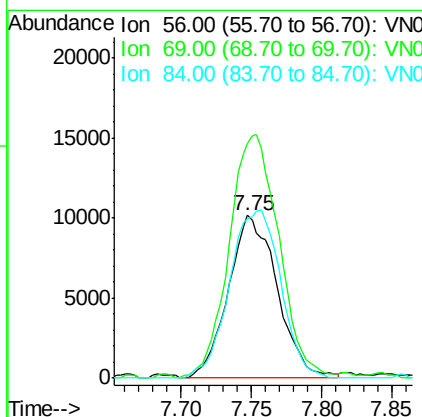
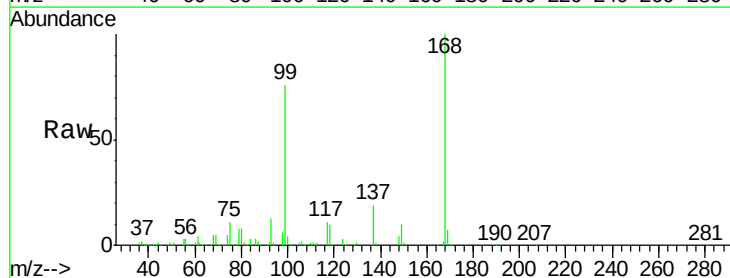
Instrument :
MSVOA_N
ClientSampleId :
MW-1

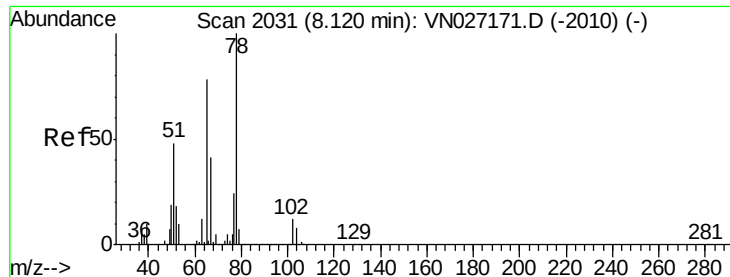
Tgt Ion: 76 Resp: 8008
Ion Ratio Lower Upper
76 100
78 12.3 7.1 10.7#



#32
Cyclohexane
Concen: 0.23 ug/l
RT: 7.75 min Scan# 1915
Delta R.T. -0.02 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

Tgt Ion: 56 Resp: 24560
Ion Ratio Lower Upper
56 100
69 142.4 23.0 34.4#
84 98.0 57.8 86.8#

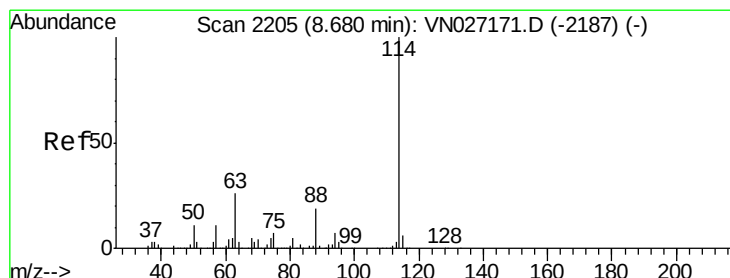
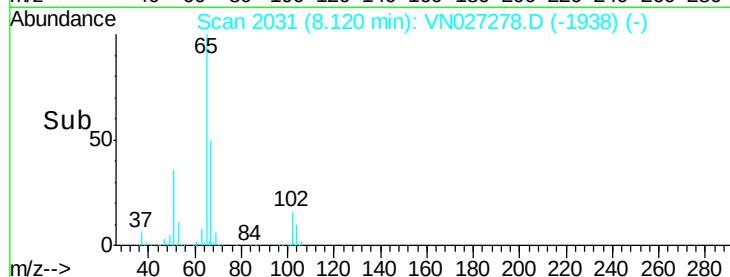
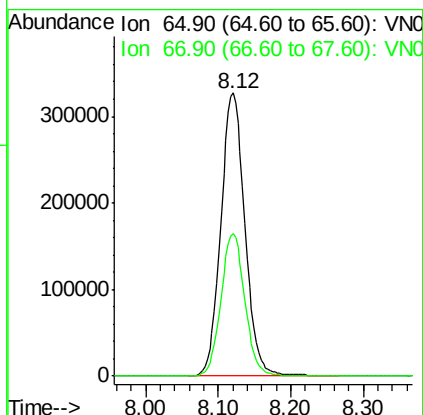
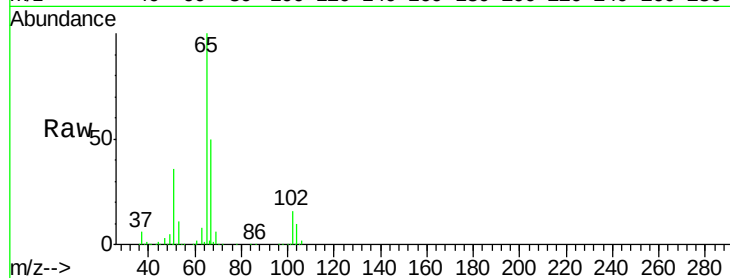




#34
 1,2-Dichloroethane-d4
 Concen: 48.46 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

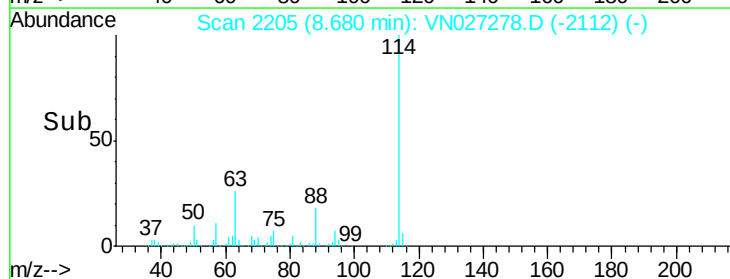
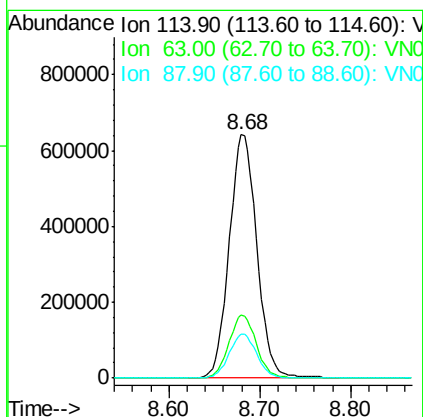
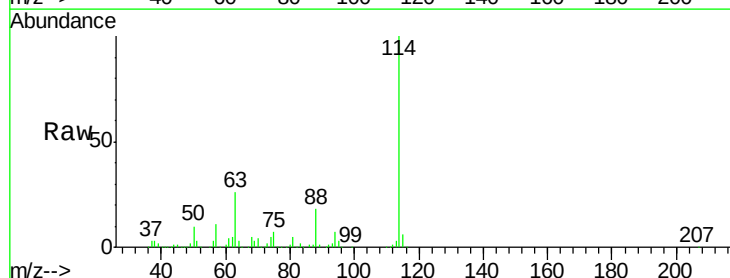
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

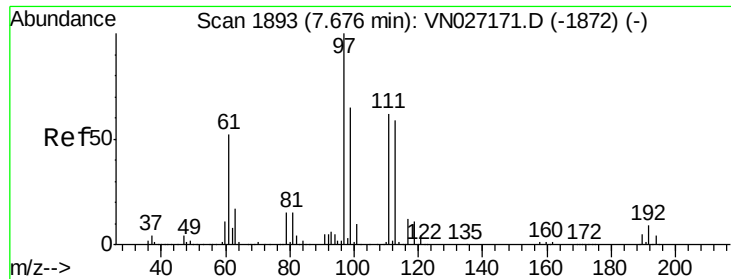
Tgt Ion: 65 Resp: 753531
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

Tgt Ion: 114 Resp: 1351004
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 48.8
 88 17.9 0.0 32.2

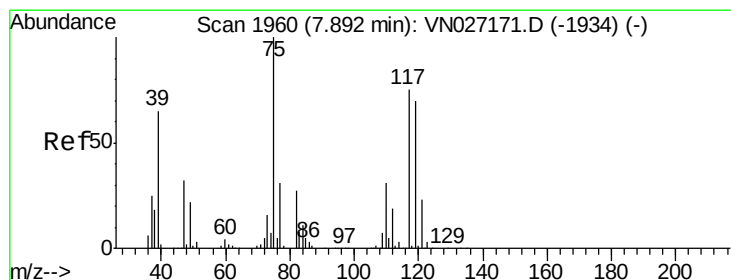
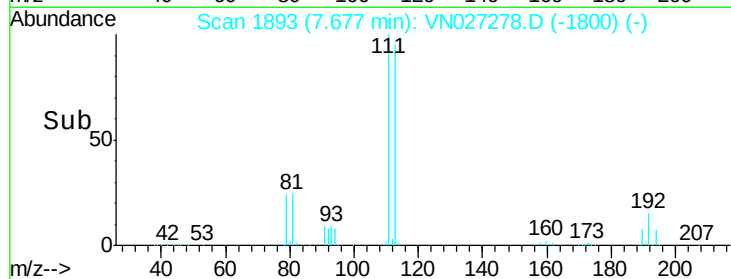
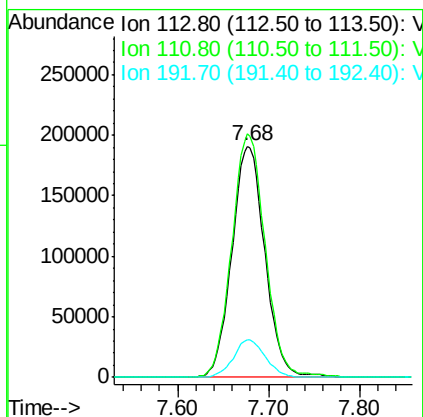
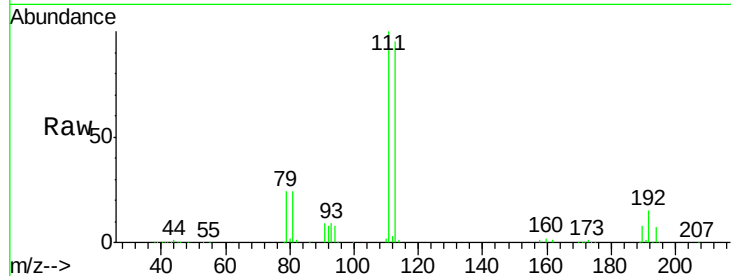




#36
 Dibromofluoromethane
 Concen: 51.21 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

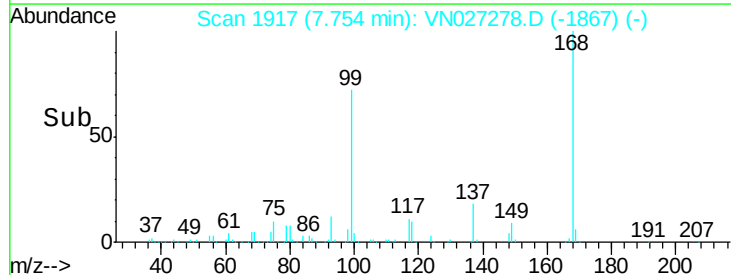
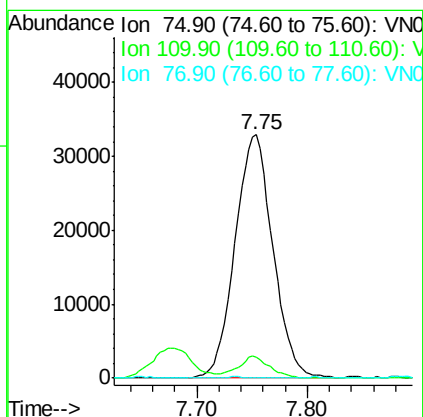
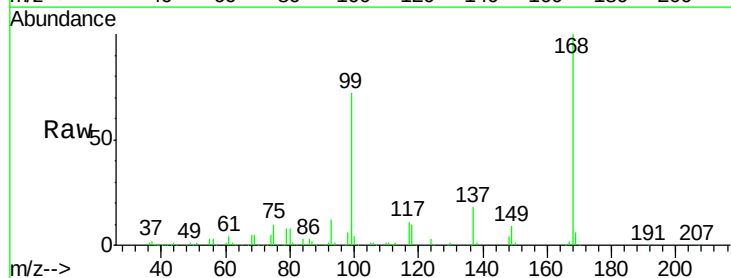
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

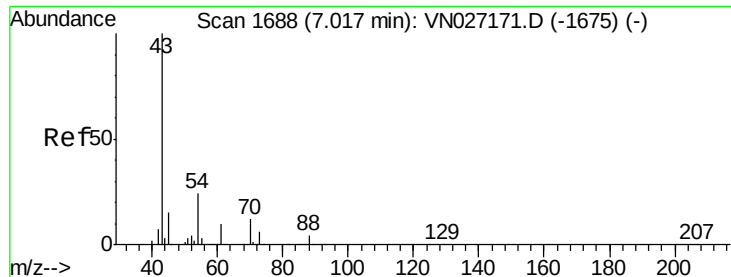
Tgt Ion: 113 Resp: 479553
 Ion Ratio Lower Upper
 113 100
 111 107.0 83.0 124.4
 192 15.8 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.14 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

Tgt Ion: 75 Resp: 78239
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.9 47.7#
 77 0.2 24.9 37.3#

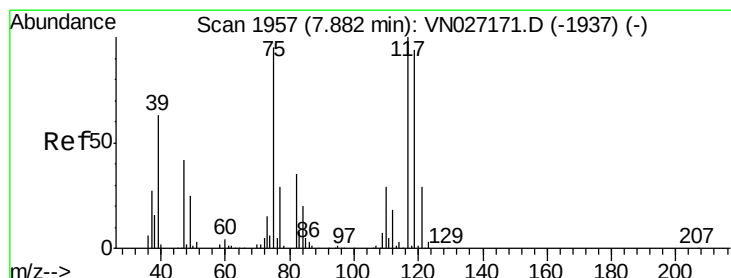
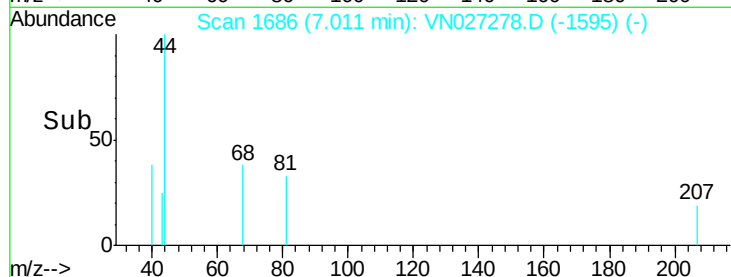
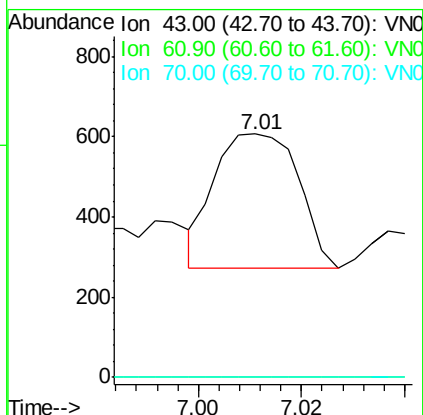
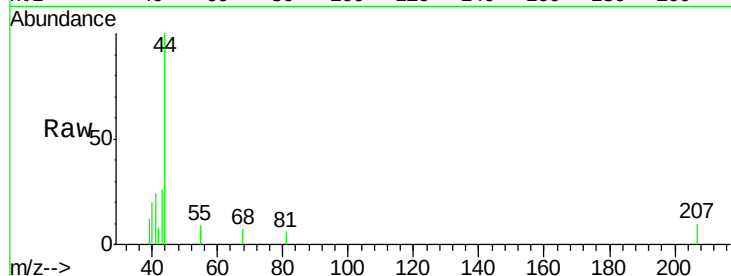




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.01 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

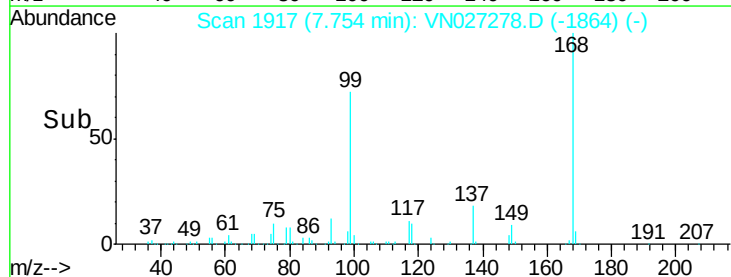
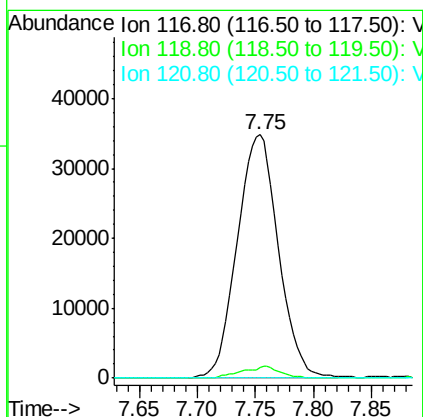
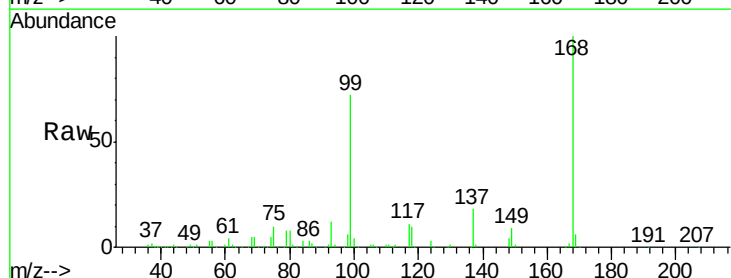
Instrument :
MSVOA_N
ClientSampled :
MW-1

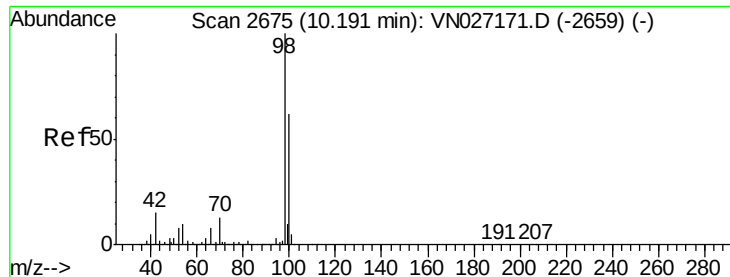
Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

Tgt Ion: 117 Resp: 85892
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 54.01 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

Instrument :

MSVOA_N

ClientSampled :

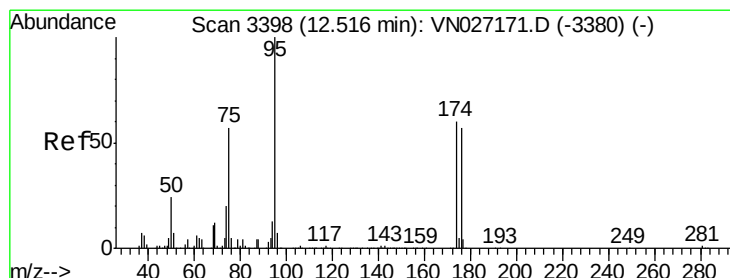
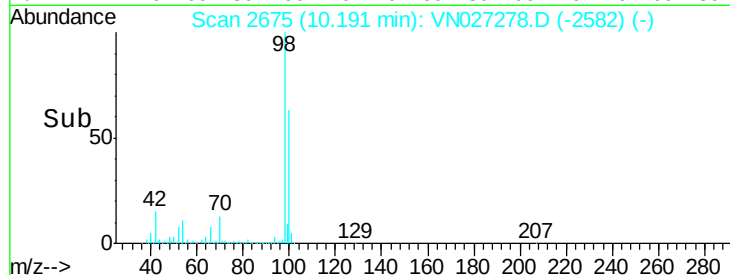
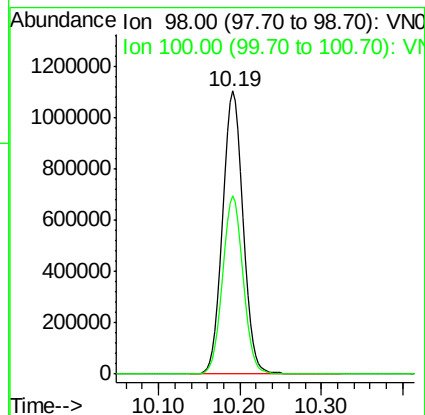
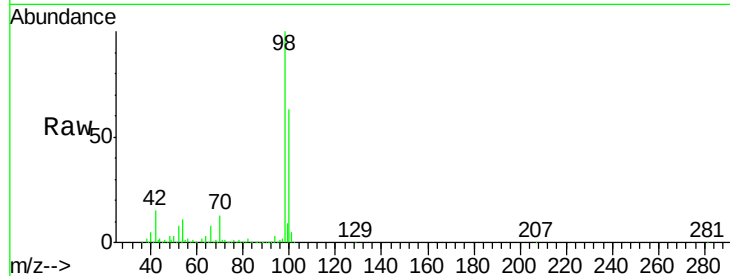
MW-1

Tgt Ion: 98 Resp: 1980550

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7



#63

4-Bromofluorobenzene

Concen: 50.72 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

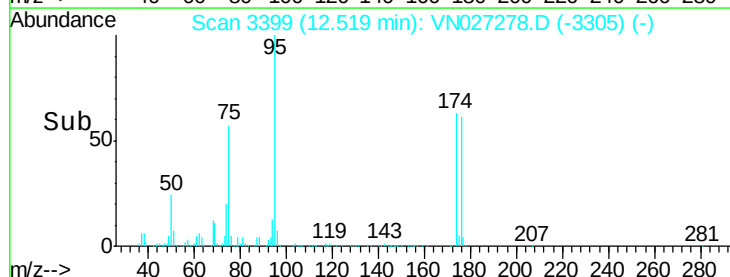
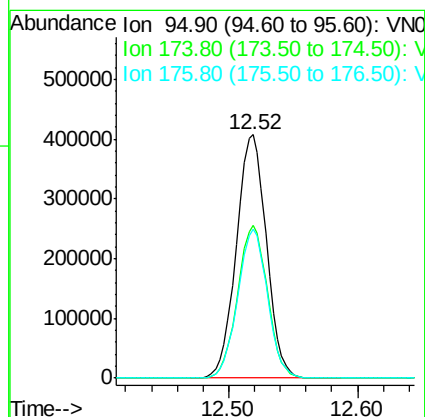
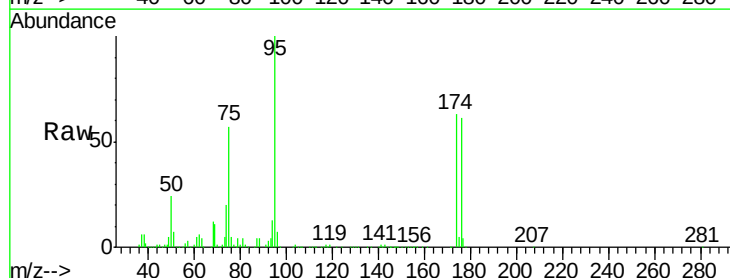
Tgt Ion: 95 Resp: 660168

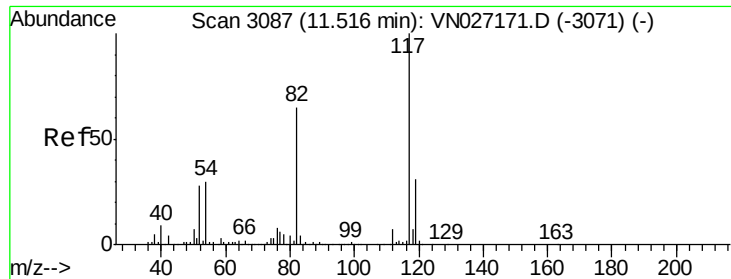
Ion Ratio Lower Upper

95 100

174 62.4 0.0 137.0

176 60.6 0.0 130.8

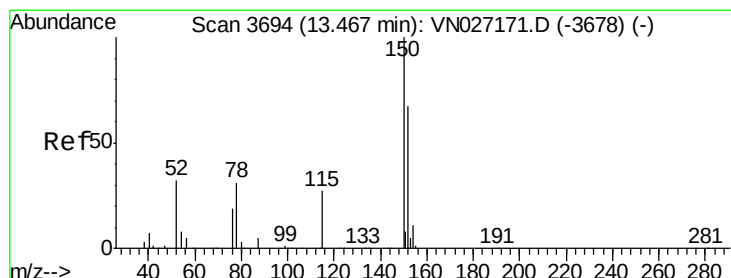
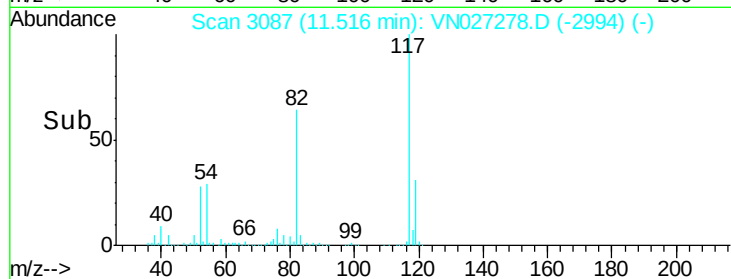
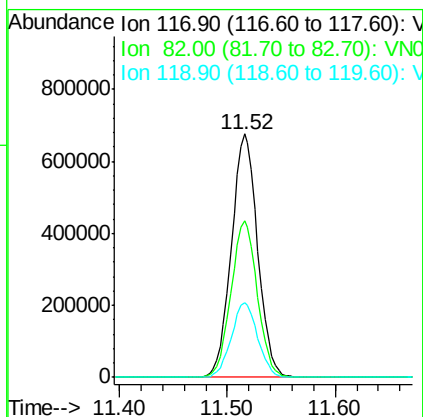
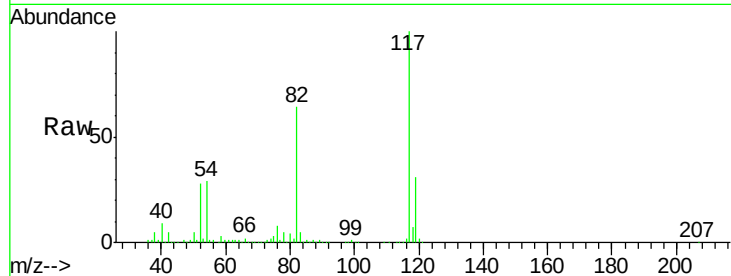




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

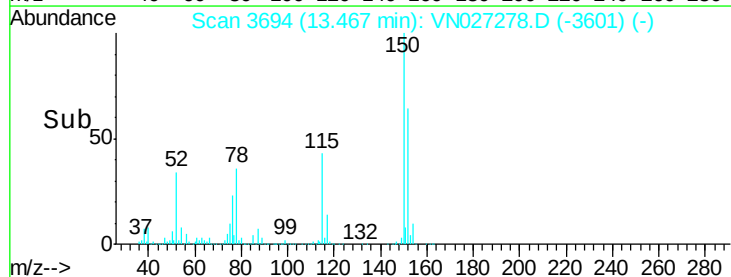
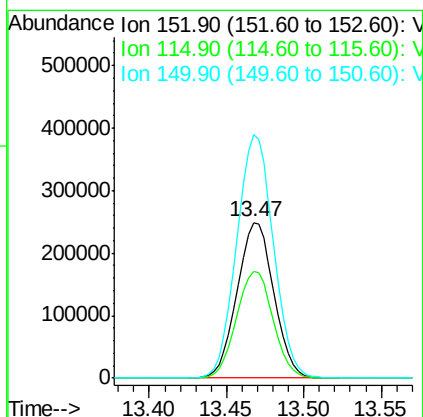
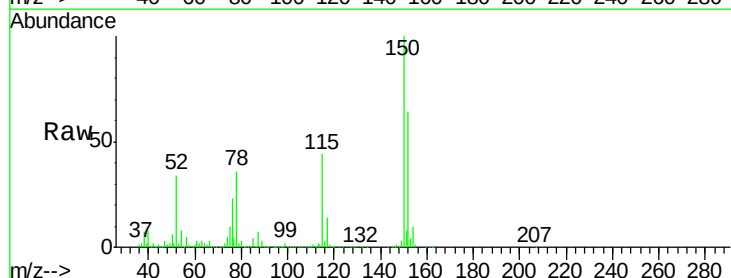
Instrument :
MSVOA_N
ClientSampled :
MW-1

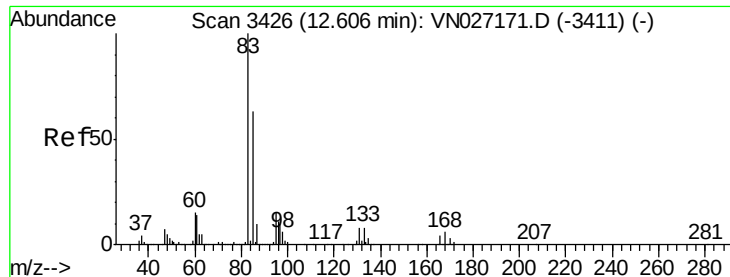
Tgt Ion:117 Resp: 1143601
Ion Ratio Lower Upper
117 100
82 64.4 49.6 74.4
119 30.8 24.6 36.8



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027278.D
Acq: 18 Sep 2015 2:42

Tgt Ion:152 Resp: 410688
Ion Ratio Lower Upper
152 100
115 67.8 30.8 92.3
150 156.7 0.0 345.0





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.59 min Scan# 3420

Delta R.T. -0.02 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

Instrument :

MSVOA_N

ClientSampleId :

MW-1

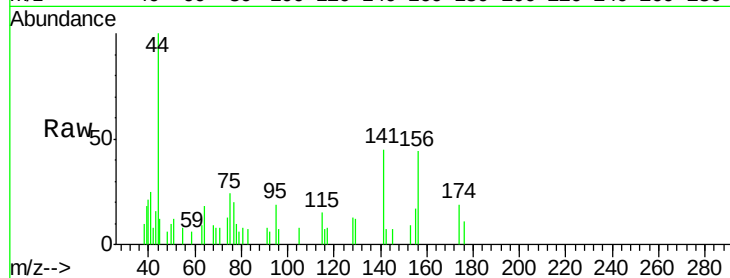
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

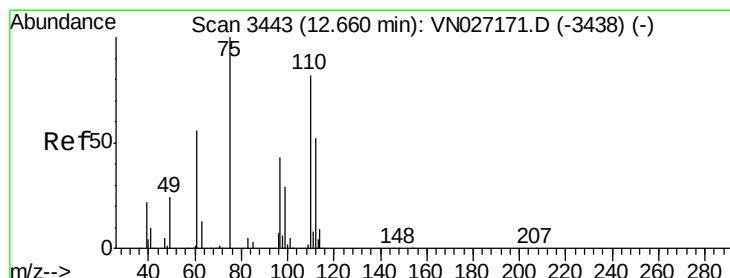
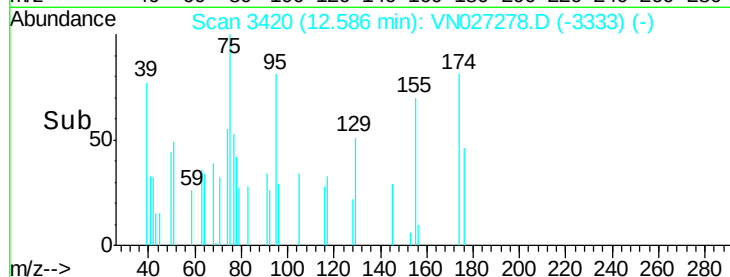
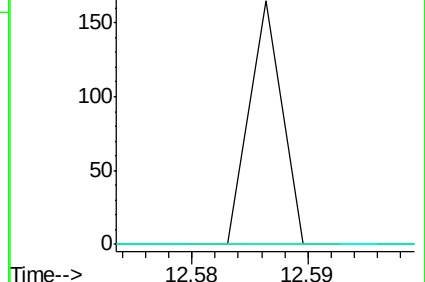
85 0.0 31.9 95.7#



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: 30.91 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027278.D

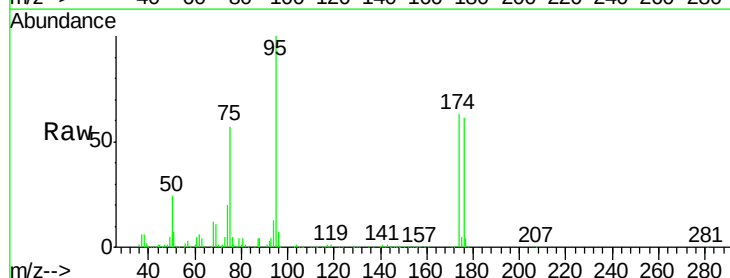
Acq: 18 Sep 2015 2:42

Tgt Ion: 75 Resp: 383634

Ion Ratio Lower Upper

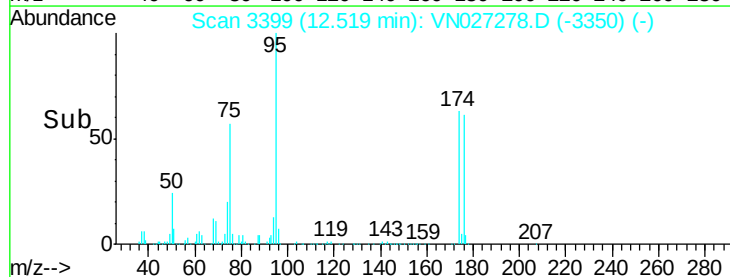
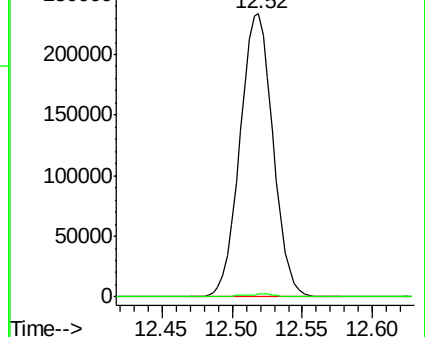
75 100

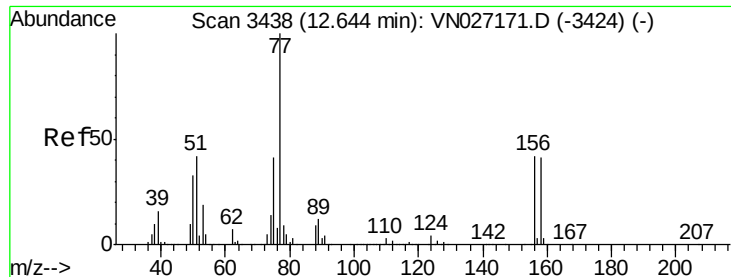
77 1.1 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

Bromobenzene

Concen: 0.92 ug/l

RT: 12.64 min Scan# 3436

Delta R.T. -0.01 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

Instrument :

MSVOA_N

ClientSampled :

MW-1

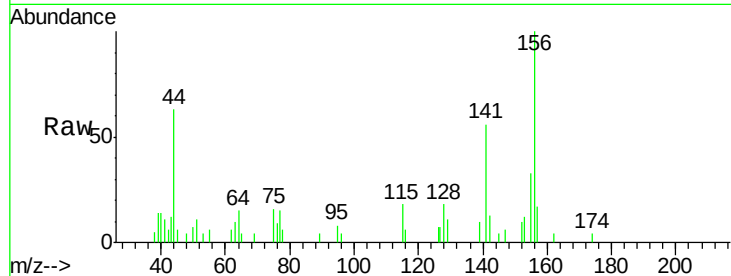
Tgt Ion:156 Resp: 8150

Ion Ratio Lower Upper

156 100

77 4.0 127.3 381.9#

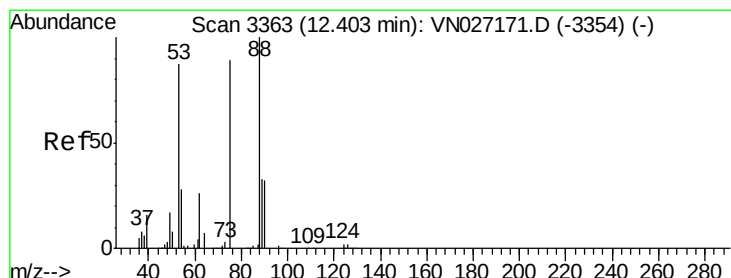
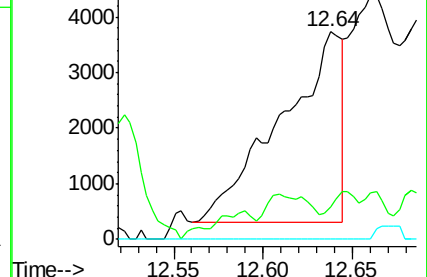
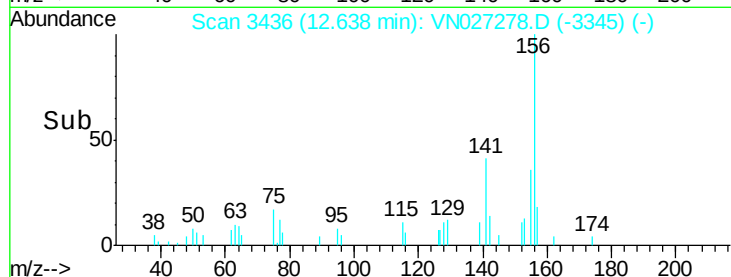
158 0.0 48.0 144.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#82

trans-1,4-Dichloro-2-butene

Concen: 75.92 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027278.D

Acq: 18 Sep 2015 2:42

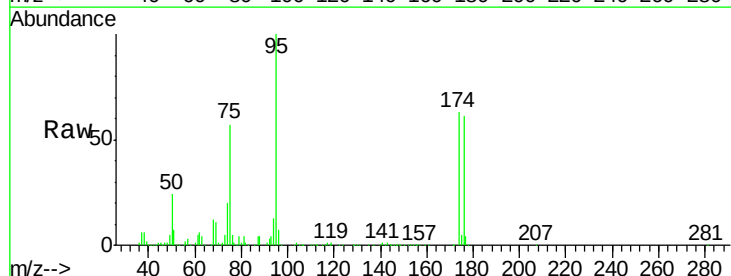
Tgt Ion: 75 Resp: 383634

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

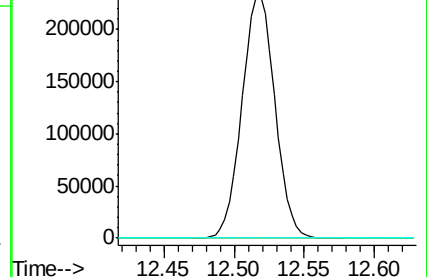
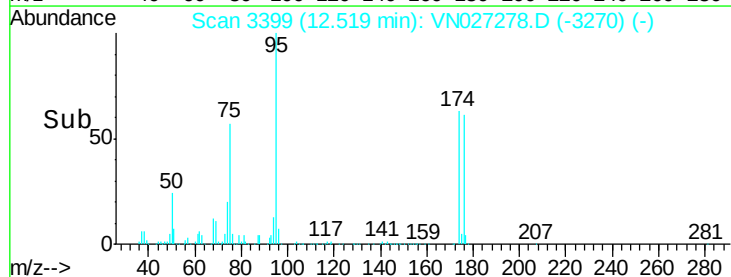
89 0.0 34.2 51.4#

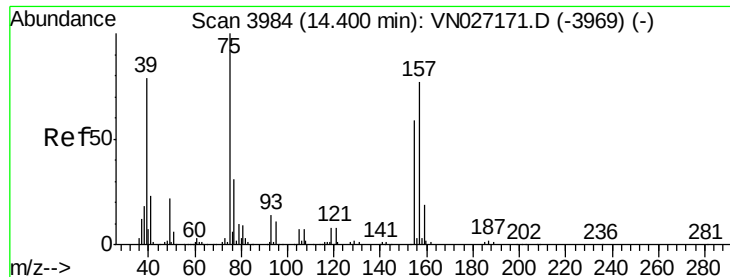


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

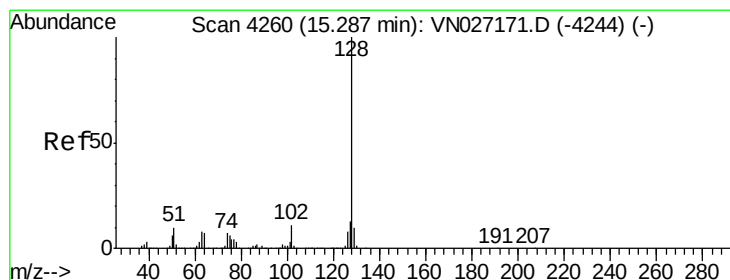
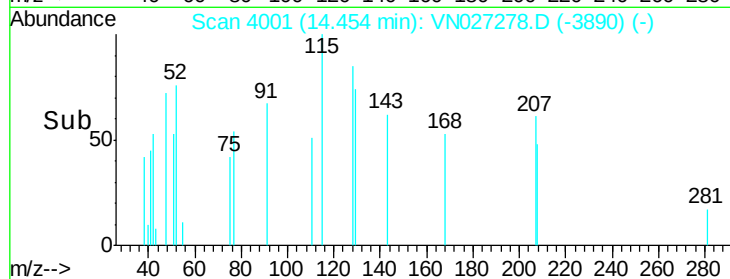
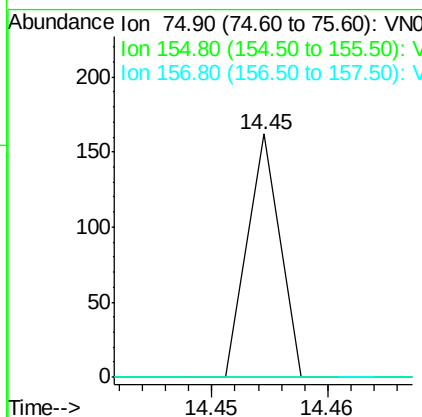
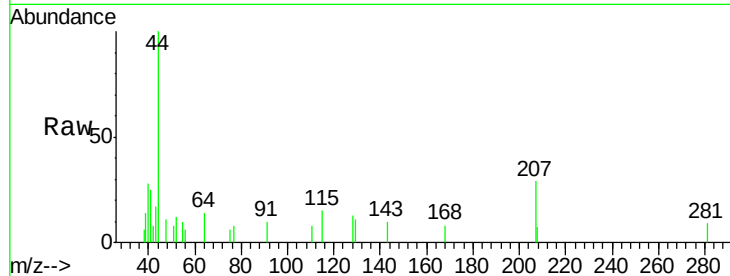




#93
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.45 min Scan# 4001
 Delta R.T. 0.06 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tgt Ion: 75 Resp: 31
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.9#
 157 0.0 44.6 133.8#



#96
 Naphthalene
 Concen: 0.24 ug/l
 RT: 15.29 min Scan# 4261
 Delta R.T. 0.00 min
 Lab File: VN027278.D
 Acq: 18 Sep 2015 2:42

Tgt Ion: 128 Resp: 5723
 Ion Ratio Lower Upper
 128 100
 127 6.7 10.4 15.6#
 129 8.8 8.6 12.8

