

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027262.D
 Acq On : 17 Sep 2015 18:26
 Operator : MD\FY
 Sample : G3704-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7-9-15-15

Quant Time: Sep 18 01:16:37 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	751238	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1370562	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1146858	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	402957	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	753574	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
36) Dibromofluoromethane	7.68	113	488139	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
51) Toluene-d8	10.19	98	1984580	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
63) 4-Bromofluorobenzene	12.52	95	661778	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

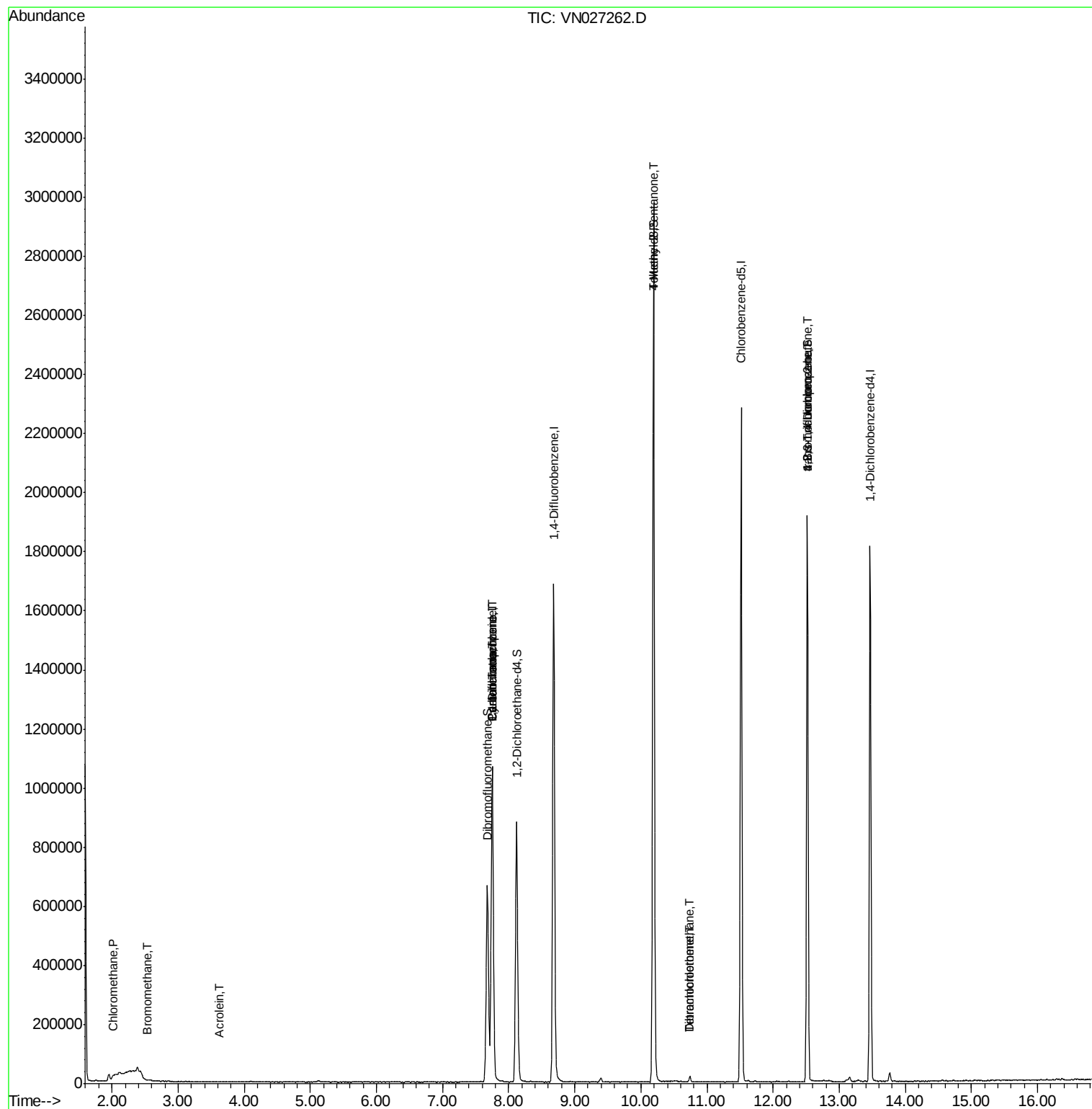
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1408	1.25	ug/l #	78
6) Bromomethane	2.55	94	391	1.67	ug/l #	36
14) Acrolein	3.63	56	398	0.23	ug/l #	60
32) Cyclohexane	7.75	56	24740	0.25	ug/l #	1
37) 1,1-Dichloropropene	7.75	75	79613	4.96	ug/l #	50
38) Ethyl Acetate	7.02	43	267	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	83409	5.53	ug/l #	16
52) 4-Methyl-2-Pentanone	10.19	43	10971	0.81	ug/l #	1
61) Dibromochloromethane	10.74	129	3957	0.38	ug/l #	10
65) Tetrachloroethene	10.74	164	3401	0.46	ug/l #	81
76) 1,1,2,2-Tetrachloroethane	12.59	83	74	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	382501	31.41	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	382501	77.15	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.60	75	68	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: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampleId :

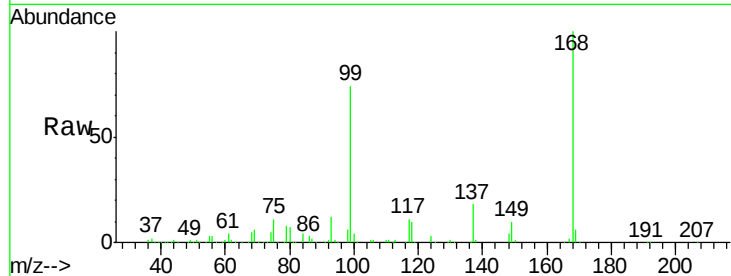
MW-7-9-15-15

Tgt Ion:168 Resp: 751238

Ion Ratio Lower Upper

168 100

99 74.1 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

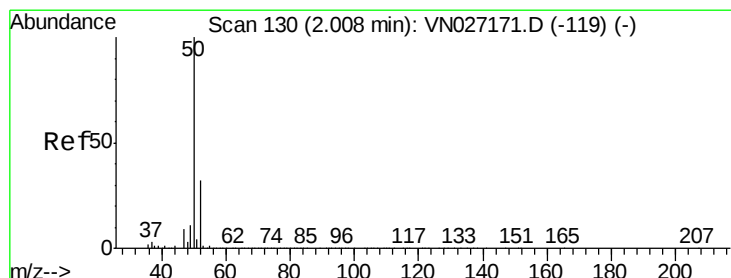
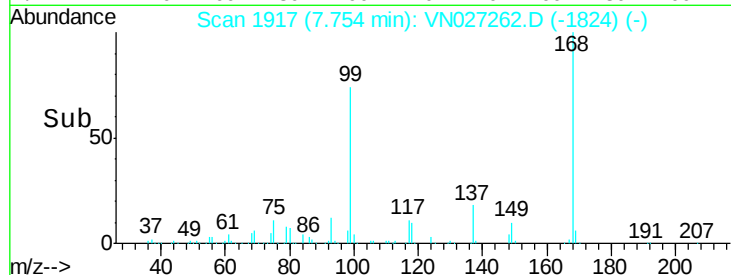
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.25 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027262.D

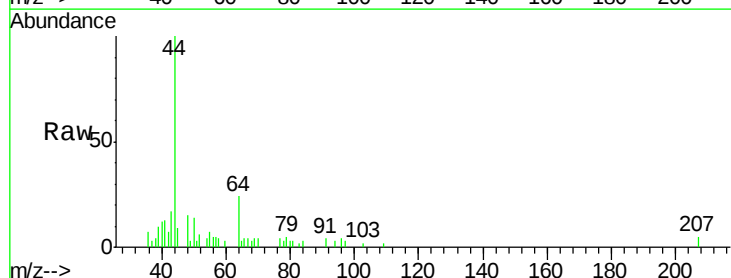
Acq: 17 Sep 2015 18:26

Tgt Ion: 50 Resp: 1408

Ion Ratio Lower Upper

50 100

52 44.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.01

1200

1000

800

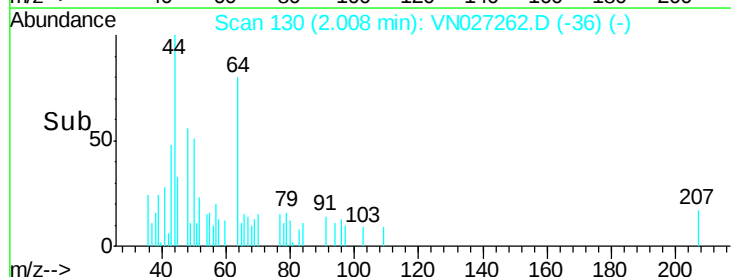
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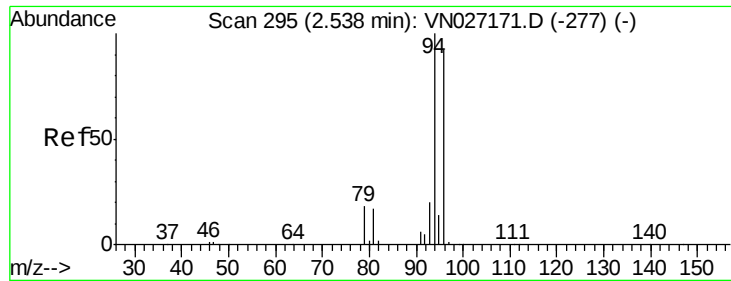
400

200

0

Time-->





#6

Bromomethane

Concen: 1.67 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampled :

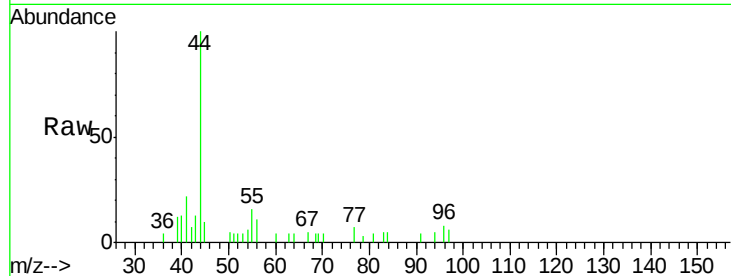
MW-7-9-15-15

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

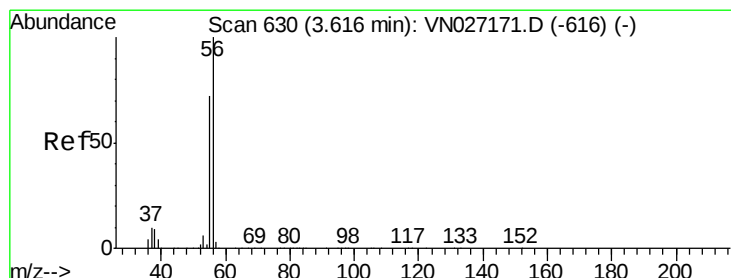
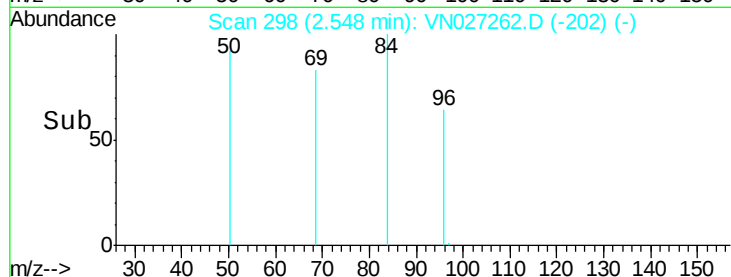
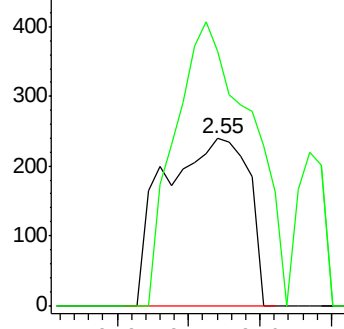
94 100

96 152.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#14

Acrolein

Concen: 0.23 ug/l

RT: 3.63 min Scan# 636

Delta R.T. 0.02 min

Lab File: VN027262.D

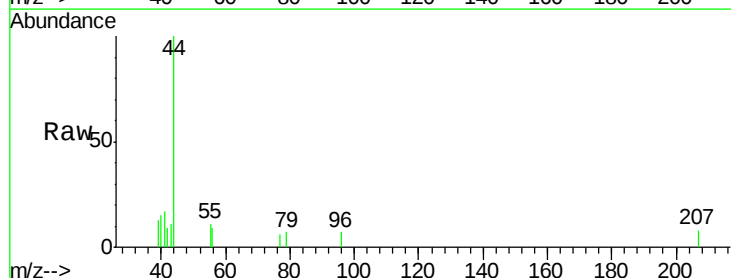
Acq: 17 Sep 2015 18:26

Tgt Ion: 56 Resp: 398

Ion Ratio Lower Upper

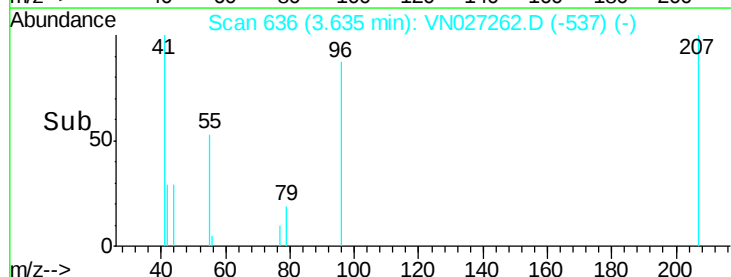
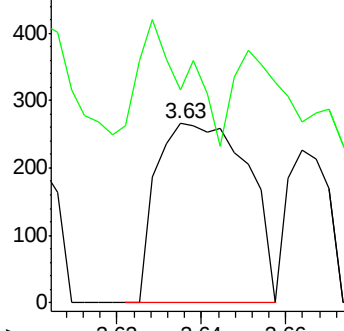
56 100

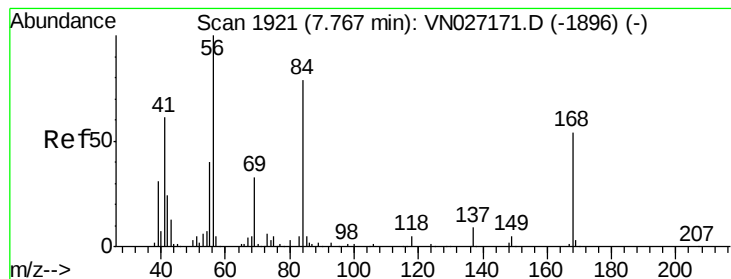
55 36.7 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#32

Cyclohexane

Concen: 0.25 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampled :

MW-7-9-15-15

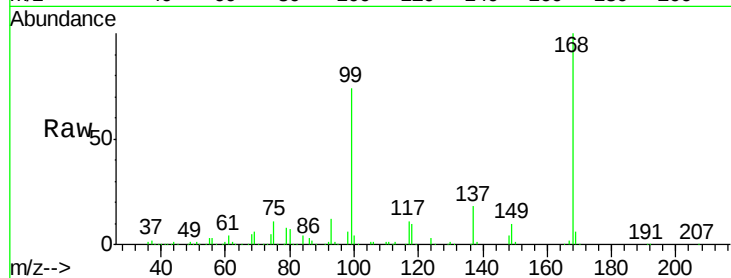
Tgt Ion: 56 Resp: 24740

Ion Ratio Lower Upper

56 100

69 165.4 23.0 34.4#

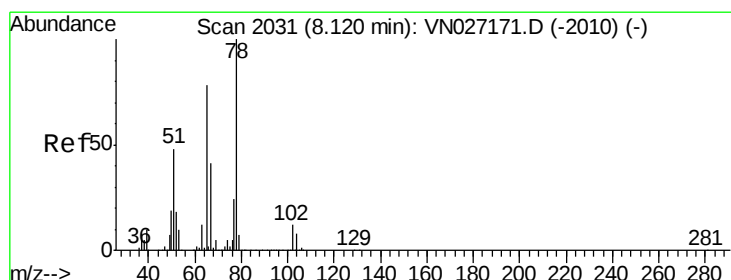
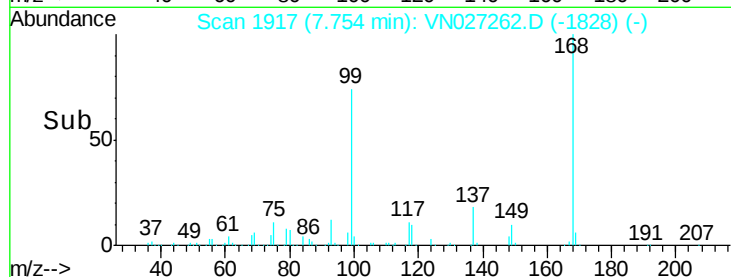
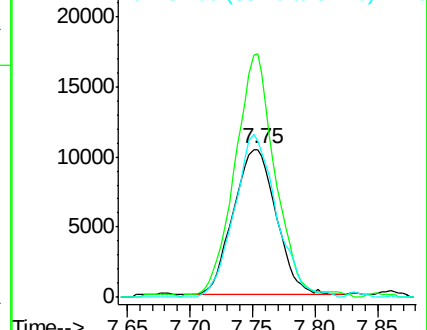
84 107.4 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#34

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027262.D

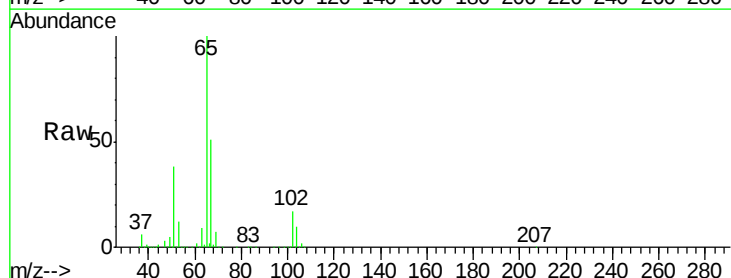
Acq: 17 Sep 2015 18:26

Tgt Ion: 65 Resp: 753574

Ion Ratio Lower Upper

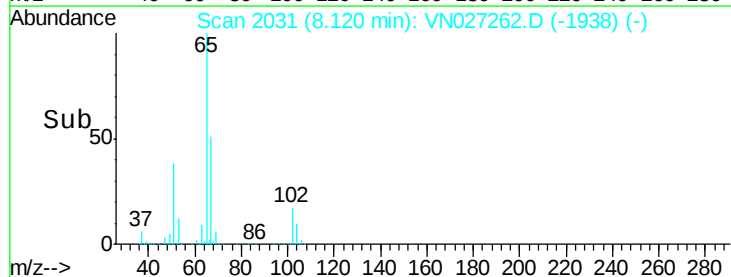
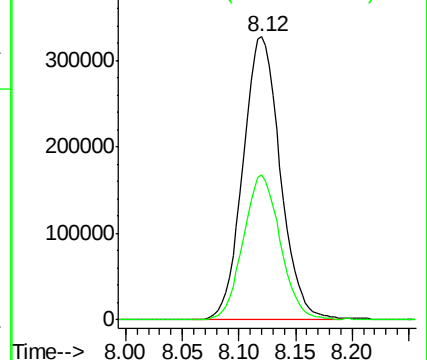
65 100

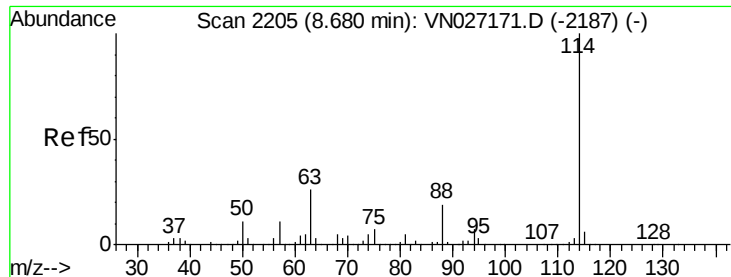
67 50.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

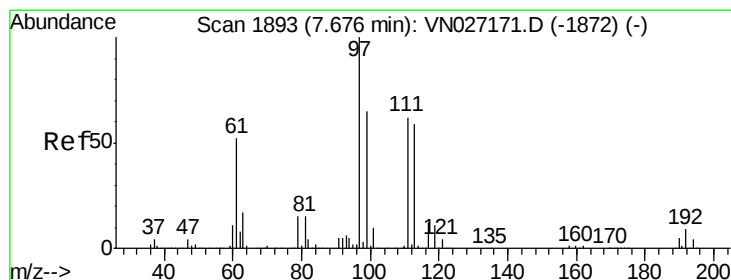
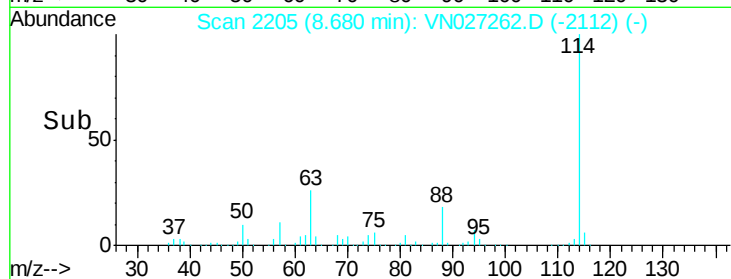
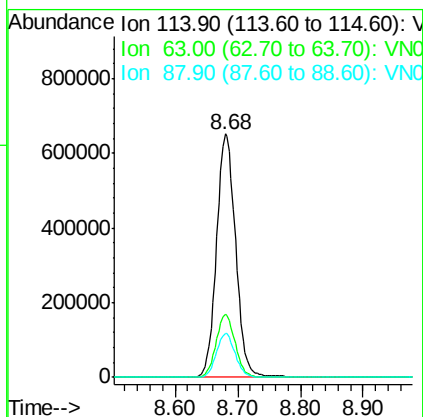
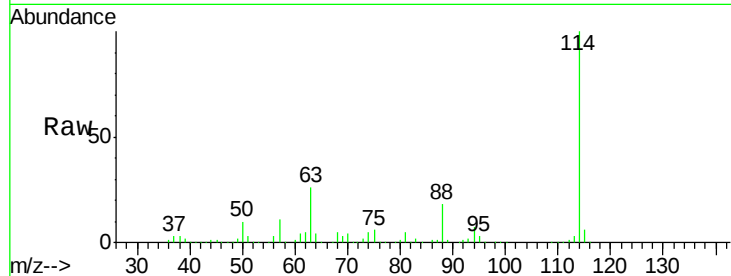




#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027262.D
 Acq: 17 Sep 2015 18:26

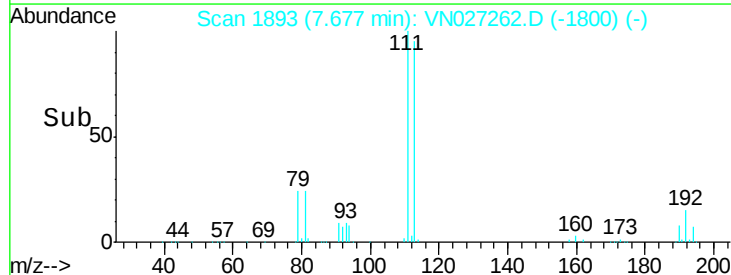
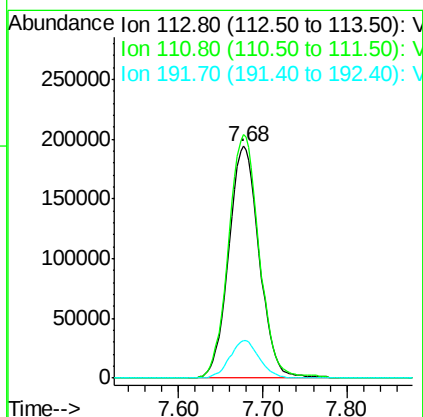
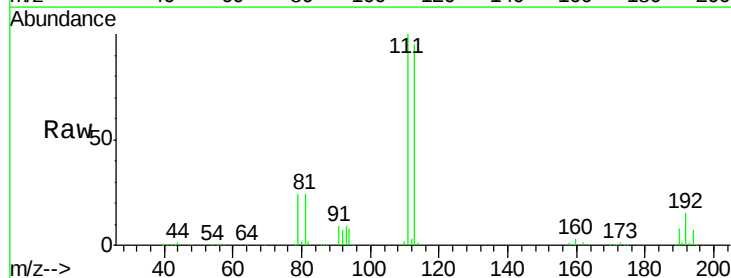
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7-9-15-15

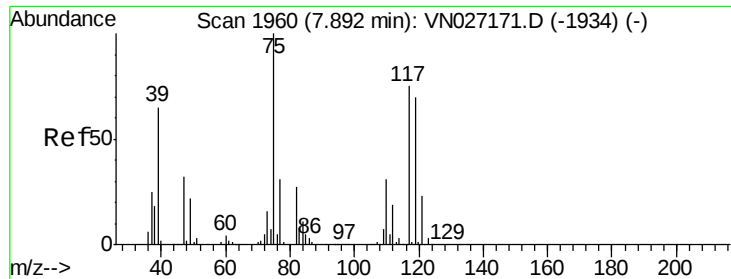
Tgt Ion:114 Resp: 1370562
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 48.8
 88 18.1 0.0 32.2



#36
 Dibromofluoromethane
 Concen: 51.38 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027262.D
 Acq: 17 Sep 2015 18:26

Tgt Ion:113 Resp: 488139
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.0 124.4
 192 15.9 14.1 21.1

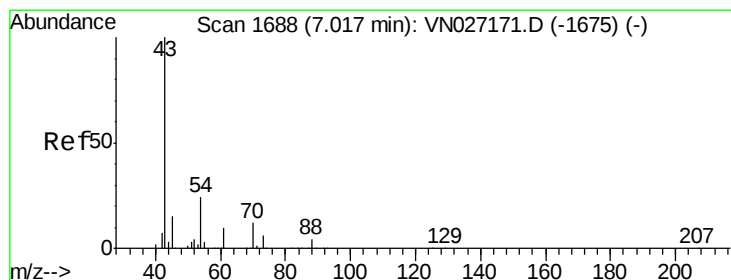
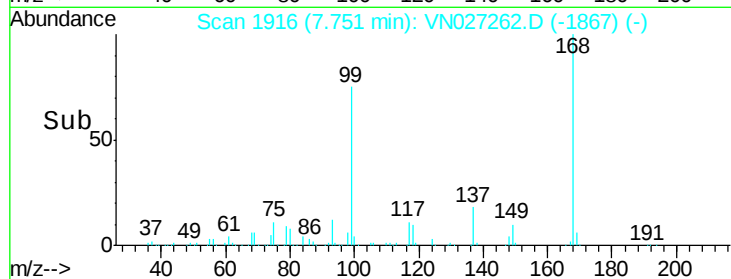
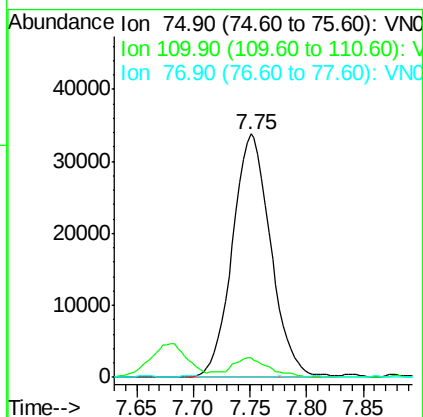
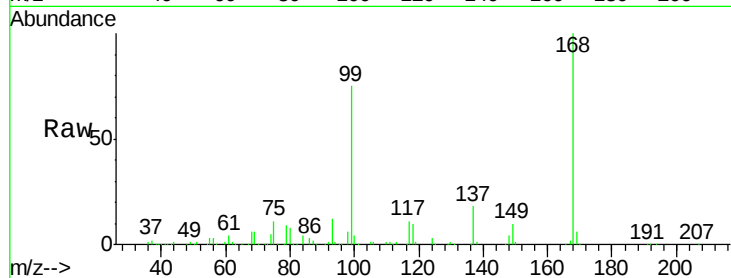




#37
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027262.D
 Acq: 17 Sep 2015 18:26

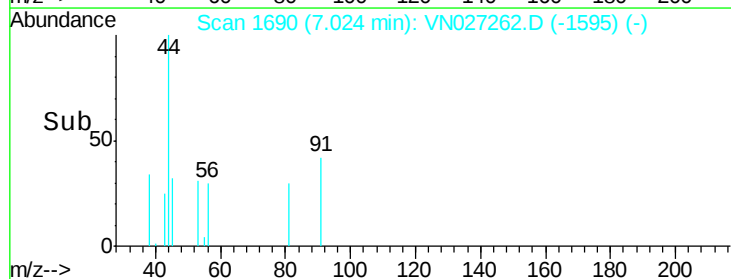
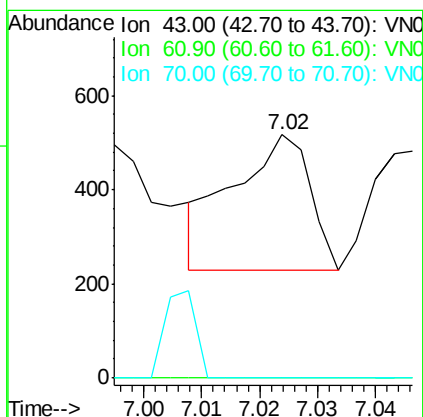
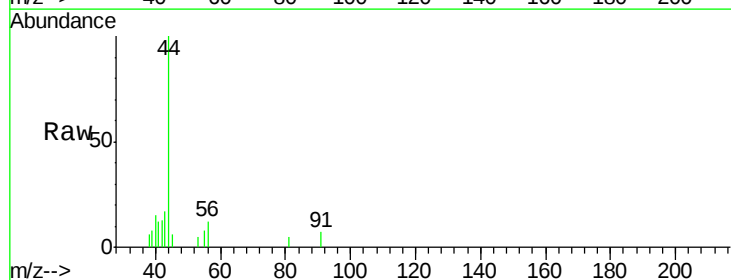
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7-9-15-15

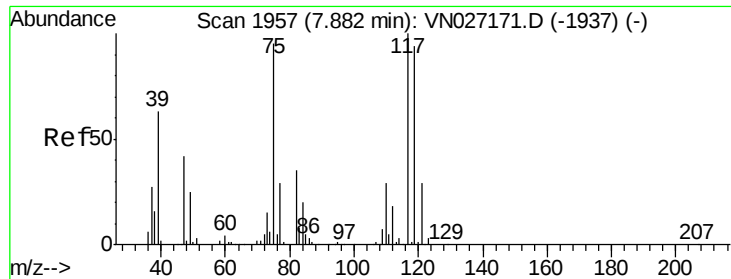
Tgt Ion: 75 Resp: 79613
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.02 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN027262.D
 Acq: 17 Sep 2015 18:26

Tgt Ion: 43 Resp: 267
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 7.4 11.0#

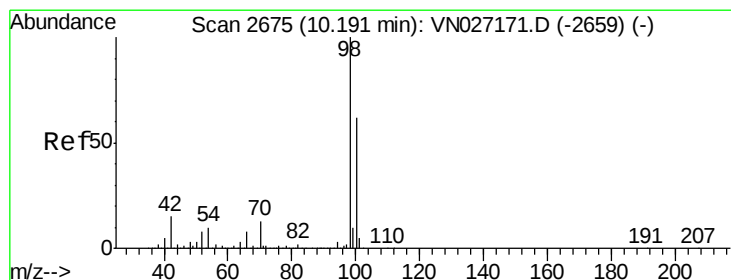
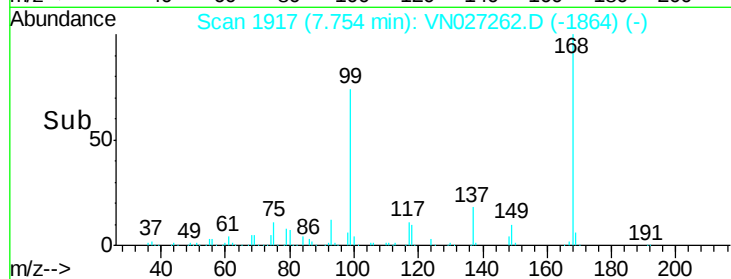
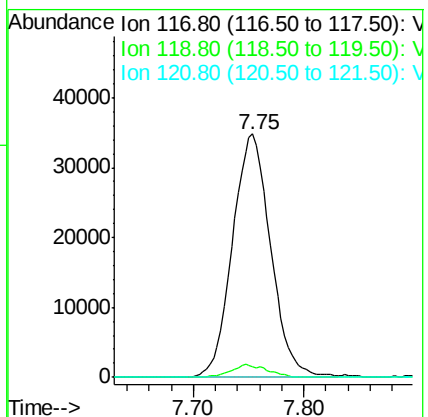
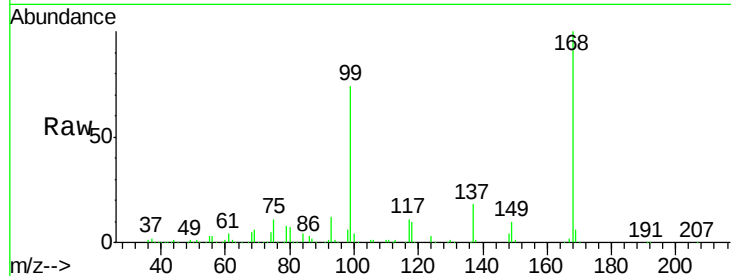




#39
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027262.D
Acq: 17 Sep 2015 18:26

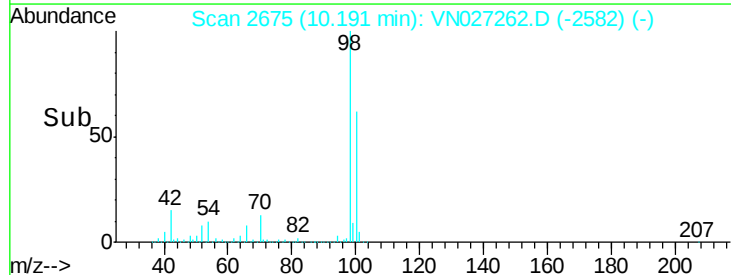
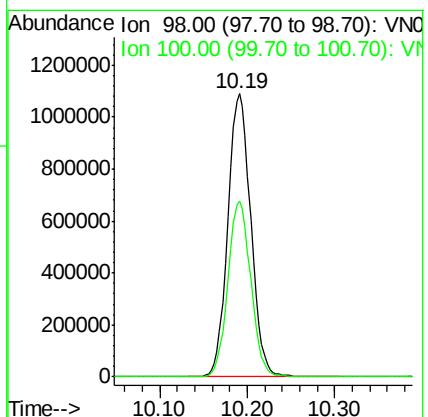
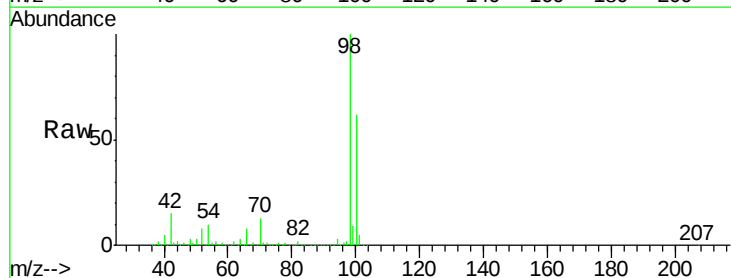
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MSVOA_N
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MW-7-9-15-15

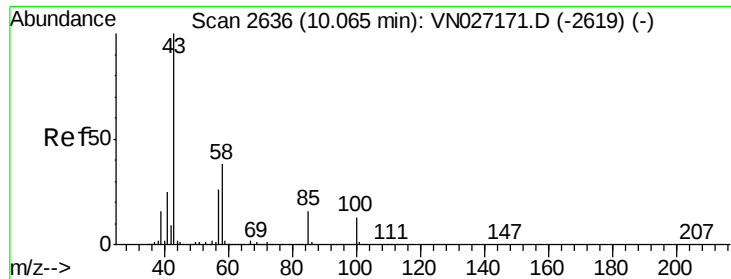
Tgt Ion:117 Resp: 83409
Ion Ratio Lower Upper
117 100
119 4.3 75.3 112.9#
121 0.0 23.8 35.8#



#51
Toluene-d8
Concen: 53.35 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027262.D
Acq: 17 Sep 2015 18:26

Tgt Ion: 98 Resp: 1984580
Ion Ratio Lower Upper
98 100
100 61.9 50.5 75.7





#52

4-Methyl-2-Pentanone

Concen: 0.81 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.13 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampled :

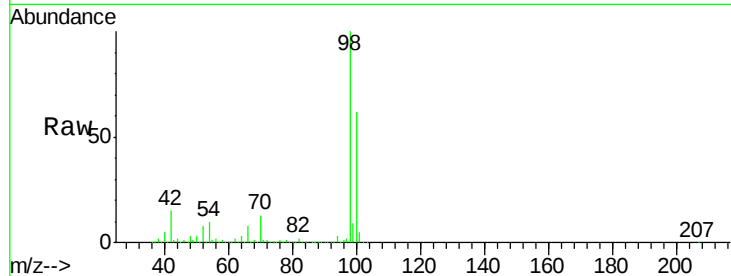
MW-7-9-15-15

Tgt Ion: 43 Resp: 10971

Ion Ratio Lower Upper

43 100

58 172.5 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN027171.D (-2619) (-)

Ion 58.00 (57.70 to 58.70): VN027171.D (-2619) (-)

12000

10000

8000

6000

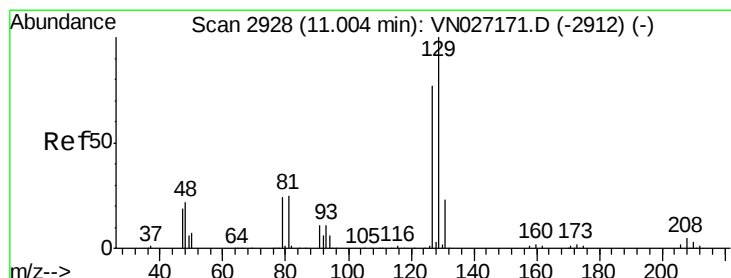
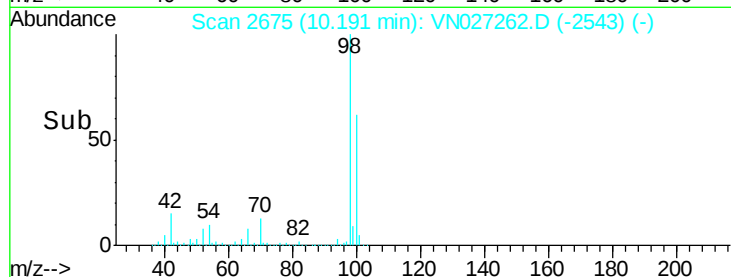
4000

2000

0

10.15 10.20 10.25

Time-->



#61

Dibromochloromethane

Concen: 0.38 ug/l

RT: 10.74 min Scan# 2846

Delta R.T. -0.26 min

Lab File: VN027262.D

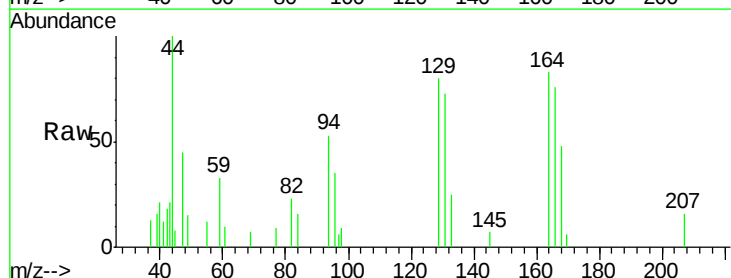
Acq: 17 Sep 2015 18:26

Tgt Ion: 129 Resp: 3957

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): VN027171.D (-2912) (-)

Ion 126.80 (126.50 to 127.50): VN027171.D (-2912) (-)

2500

2000

1500

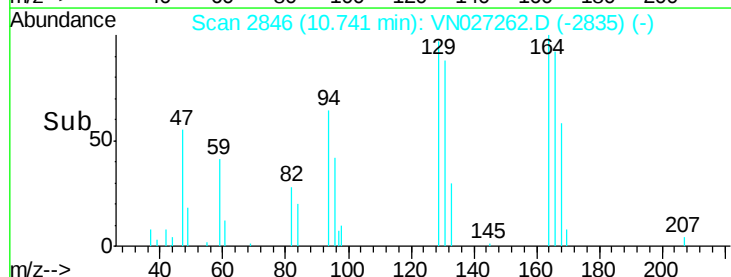
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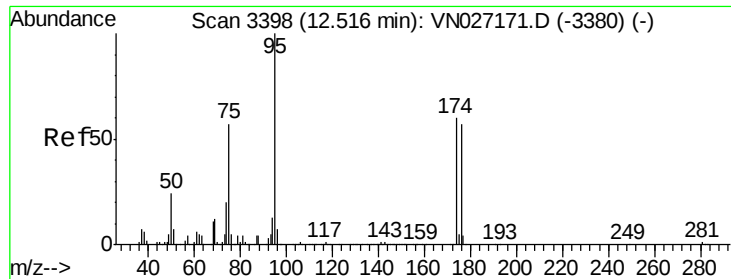
500

0

10.70 10.75

Time-->

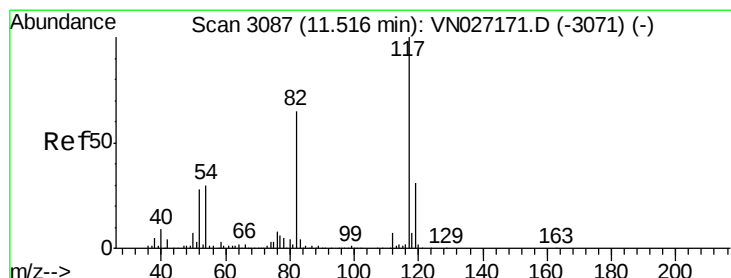
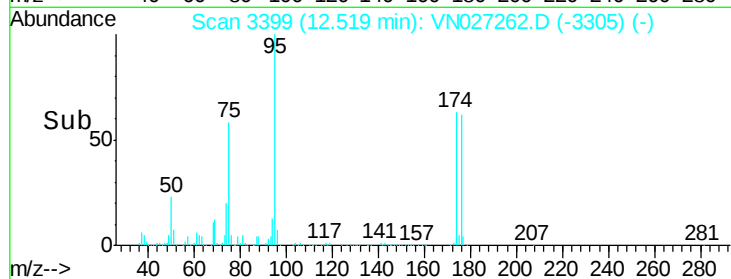
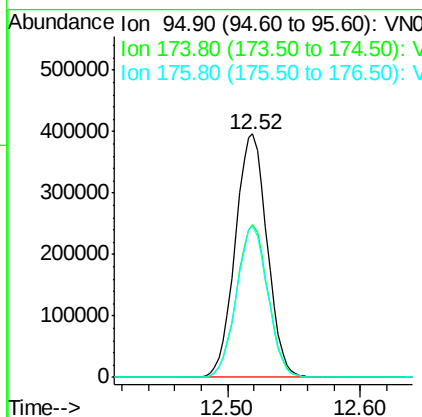
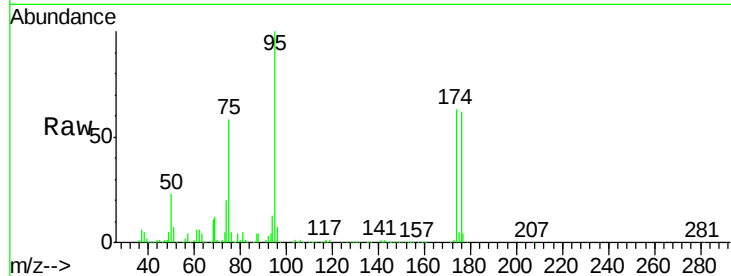




#63
4-Bromofluorobenzene
Concen: 50.12 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027262.D
Acq: 17 Sep 2015 18:26

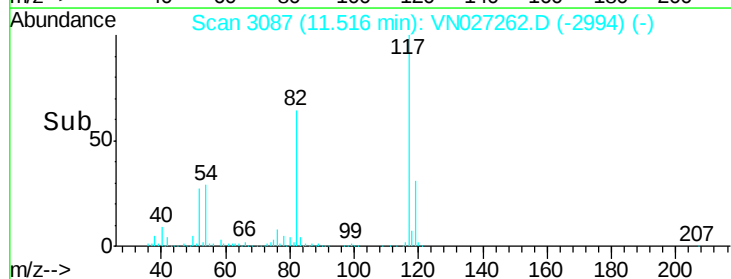
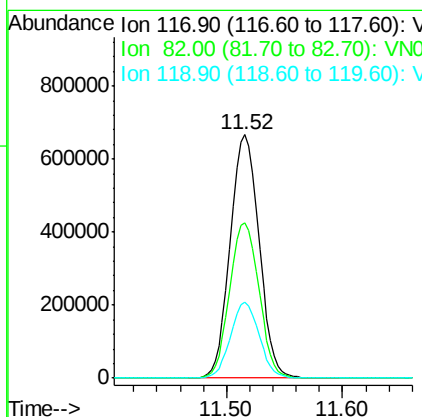
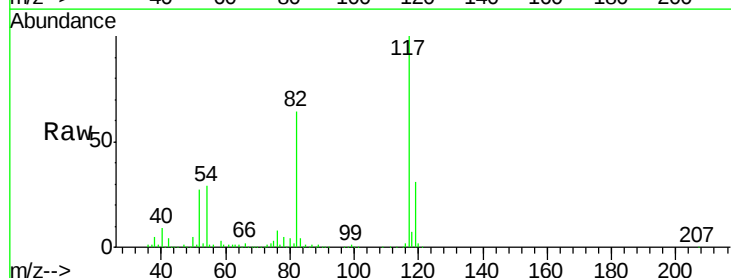
Instrument :
MSVOA_N
ClientSampled :
MW-7-9-15-15

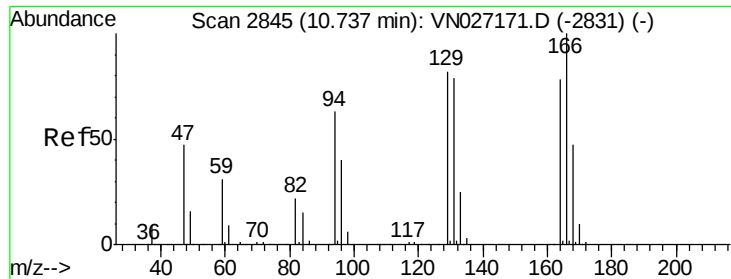
Tgt Ion: 95 Resp: 661778
Ion Ratio Lower Upper
95 100
174 62.1 0.0 137.0
176 60.9 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027262.D
Acq: 17 Sep 2015 18:26

Tgt Ion: 117 Resp: 1146858
Ion Ratio Lower Upper
117 100
82 64.0 49.6 74.4
119 31.1 24.6 36.8





#65

Tetrachloroethene

Concen: 0.46 ug/l

RT: 10.74 min Scan# 2846

Delta R.T. 0.00 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-7-9-15-15

Tgt Ion:164 Resp: 3401

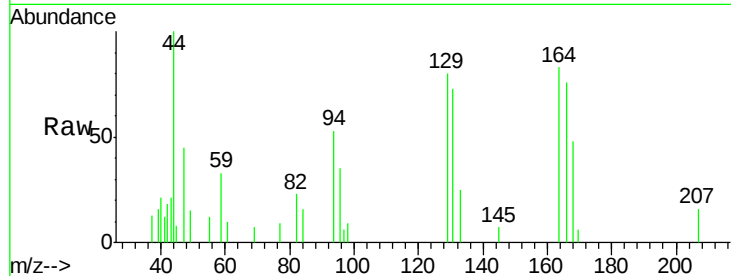
Ion Ratio Lower Upper

164 100

166 91.7 103.4 155.0#

129 89.7 77.5 116.3

131 80.9 74.2 111.4



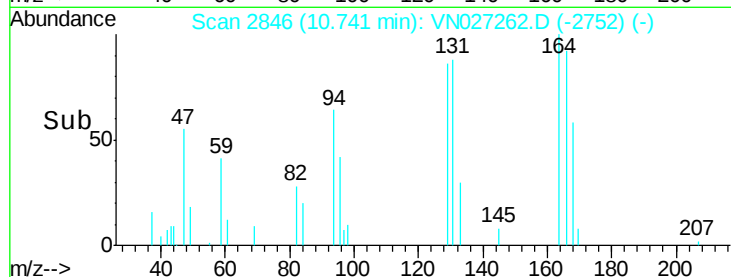
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

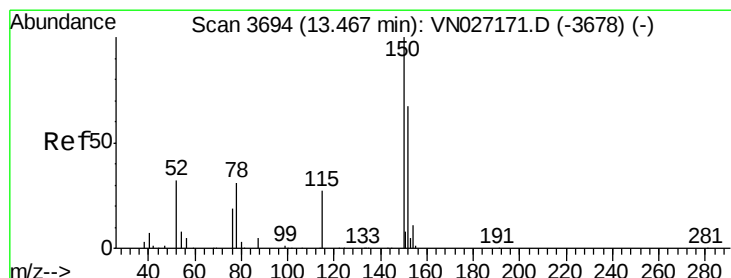
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

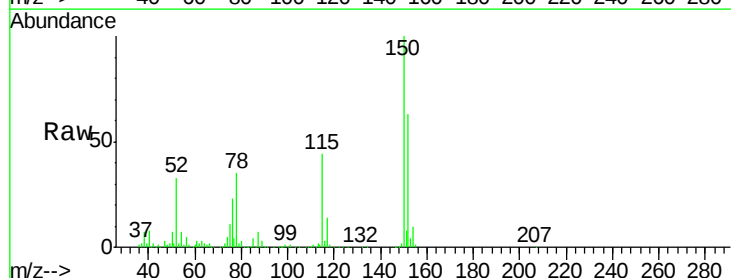
Tgt Ion:152 Resp: 402957

Ion Ratio Lower Upper

152 100

115 68.7 30.8 92.3

150 158.9 0.0 345.0

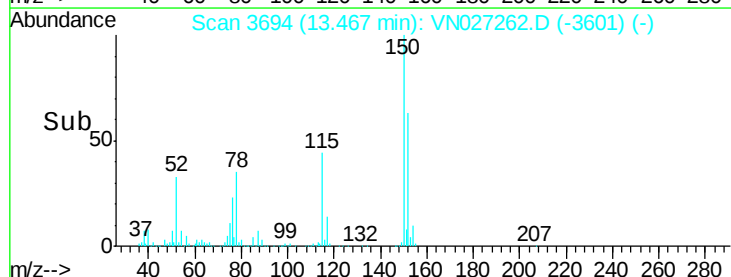


Abundance Ion 151.90 (151.60 to 152.60): V

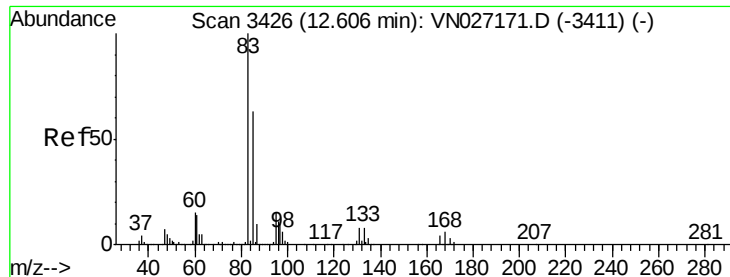
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->



#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.59 min Scan# 3420

Delta R.T. -0.02 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-7-9-15-15

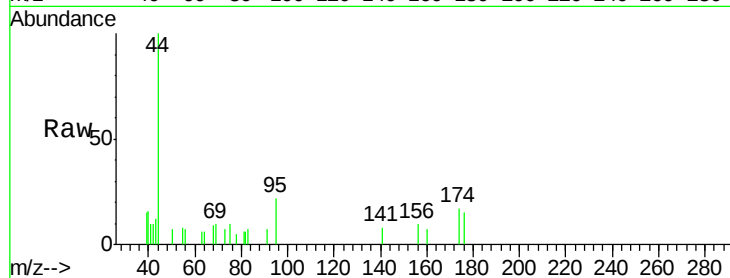
Tgt Ion: 83 Resp: 74

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

85 0.0 31.9 95.7#



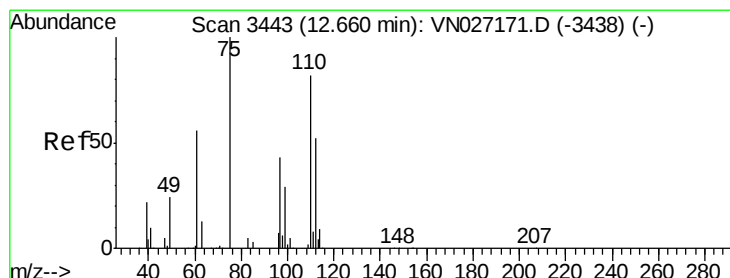
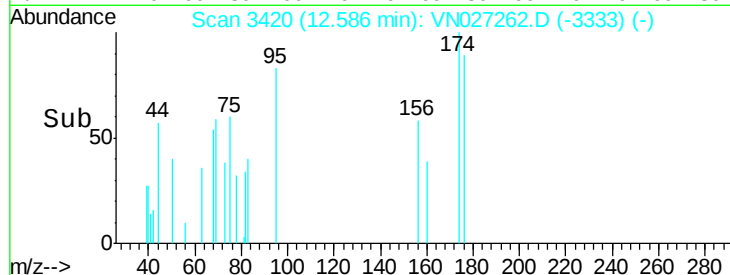
Abundance Ion 82.90 (82.60 to 83.60): VN027262.D (-3426) (-)

Ion 130.80 (130.50 to 131.50): VN027262.D (-3426) (-)

Ion 84.90 (84.60 to 85.60): VN027262.D (-3426) (-)

12.59

Time-->



#77

1,2,3-Trichloropropane

Concen: 31.41 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027262.D

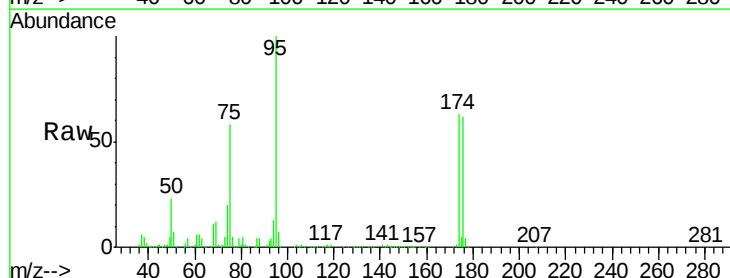
Acq: 17 Sep 2015 18:26

Tgt Ion: 75 Resp: 382501

Ion Ratio Lower Upper

75 100

77 1.1 103.1 309.3#

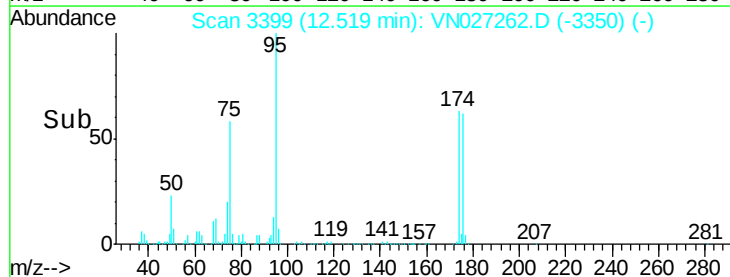


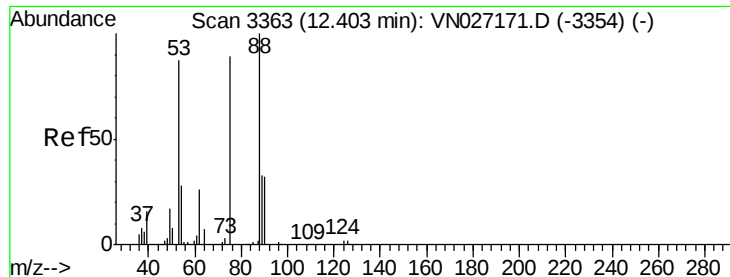
Abundance Ion 74.90 (74.60 to 75.60): VN027262.D (-3399) (-)

Ion 77.00 (76.70 to 77.70): VN027262.D (-3399) (-)

12.52

Time-->





#82

trans-1,4-Dichloro-2-butene

Concen: 77.15 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-7-9-15-15

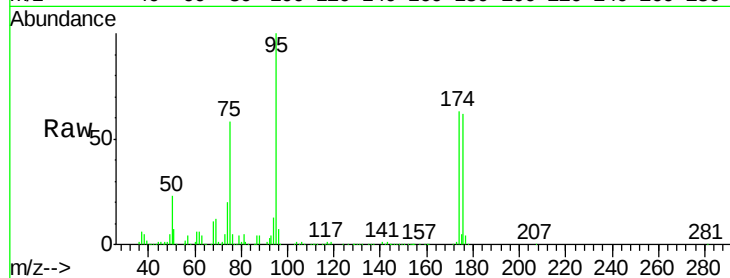
Tgt Ion: 75 Resp: 382501

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

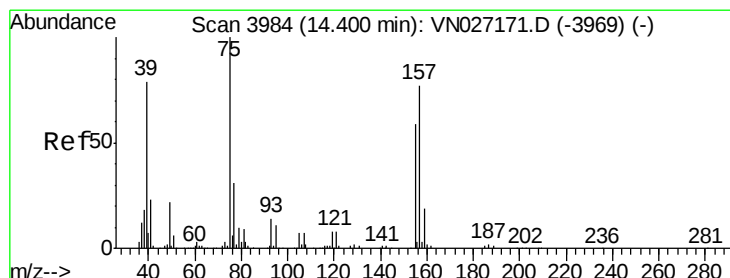
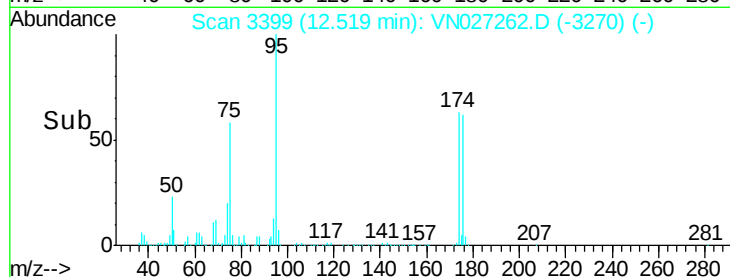
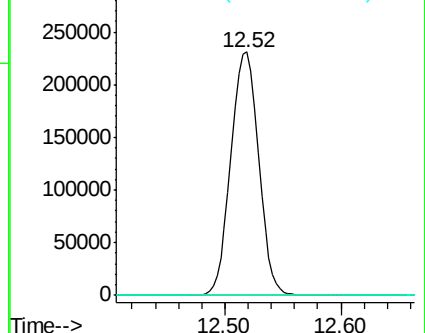
89 0.0 34.2 51.4#



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: 14.60 min Scan# 4047

Delta R.T. 0.20 min

Lab File: VN027262.D

Acq: 17 Sep 2015 18:26

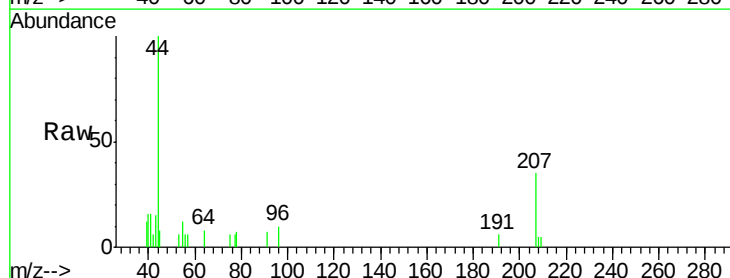
Tgt Ion: 75 Resp: 68

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

