

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027362.D
 Acq On : 22 Sep 2015 6:39
 Operator : MD\FY
 Sample : G3754-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9B

Quant Time: Sep 22 07:27:43 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	712561	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1285285	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1098668	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	397142	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	758916	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
36) Dibromofluoromethane	7.68	113	465620	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.04%	
51) Toluene-d8	10.19	98	1895776	58.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.94%	
63) 4-Bromofluorobenzene	12.52	95	655348	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	

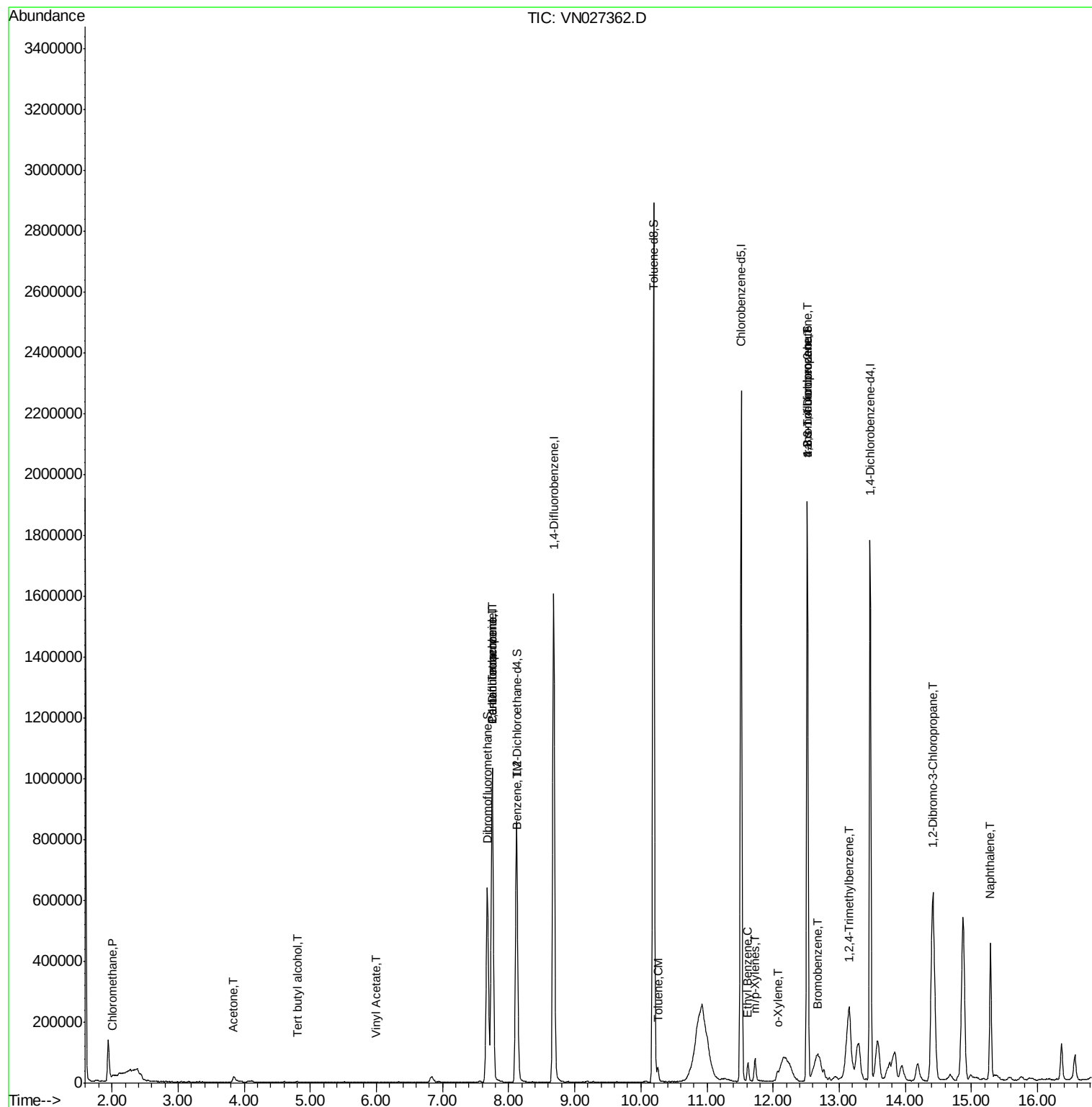
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	2023	0.24	ug/l	92
12) Tert butyl alcohol	4.79	59	332	0.30	ug/l #	74
17) Acetone	3.84	43	35831	9.44	ug/l	96
24) Vinyl Acetate	5.98	43	269	9.30	ug/l #	76
32) Cyclohexane	7.75	56	24169	Below Cal	#	1
37) 1,1-Dichloropropene	7.75	75	77223	5.57	ug/l #	50
39) Carbon Tetrachloride	7.75	117	80551	6.18	ug/l #	15
41) Benzene	8.14	78	11443	0.28	ug/l #	90
53) Toluene	10.26	92	16541	0.70	ug/l	98
68) Ethyl Benzene	11.62	91	43386	0.98	ug/l	98
69) m/p-Xylenes	11.72	106	21669	1.41	ug/l	92
70) o-Xylene	12.06	106	5114	0.33	ug/l	95
77) 1,2,3-Trichloropropane	12.52	75	384655	38.58	ug/l #	1
78) Bromobenzene	12.67	156	139120	17.87	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	384655	98.93	ug/l #	4
85) 1,2,4-Trimethylbenzene	13.16	105	13944	0.44	ug/l	98
93) 1,2-Dibromo-3-Chloropropan	14.41	75	77808	35.45	ug/l #	9
96) Naphthalene	15.29	128	351438	19.09	ug/l	99

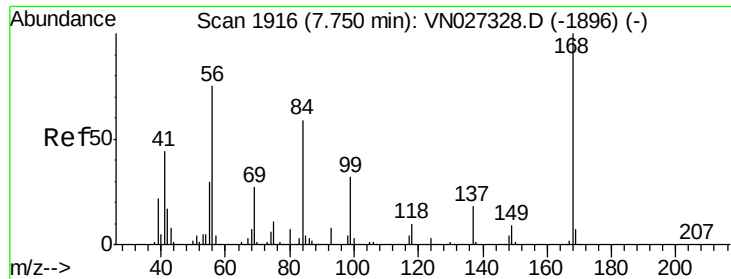
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 21 13:12:32 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: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampleId :

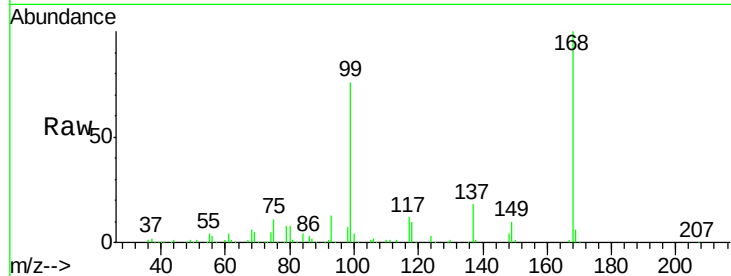
MW-9B

Tgt Ion:168 Resp: 712561

Ion Ratio Lower Upper

168 100

99 76.4 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

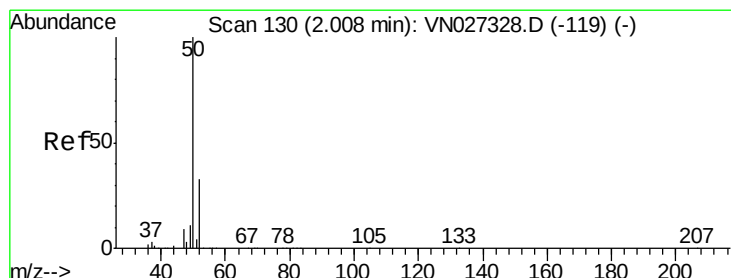
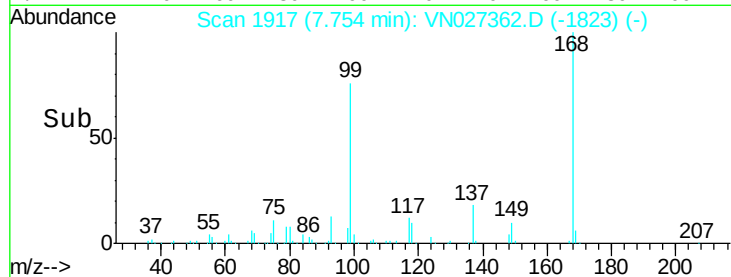
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.24 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027362.D

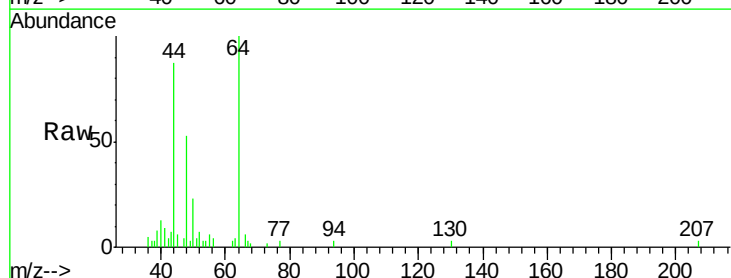
Acq: 22 Sep 2015 6:39

Tgt Ion: 50 Resp: 2023

Ion Ratio Lower Upper

50 100

52 37.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.00

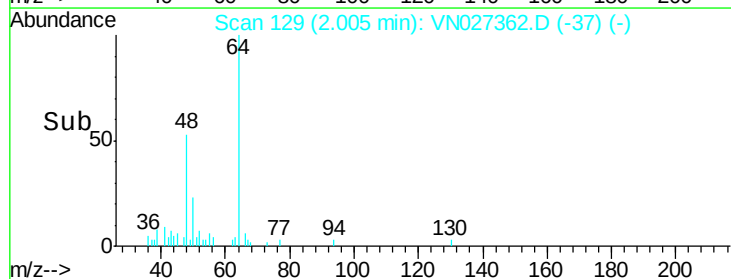
1500

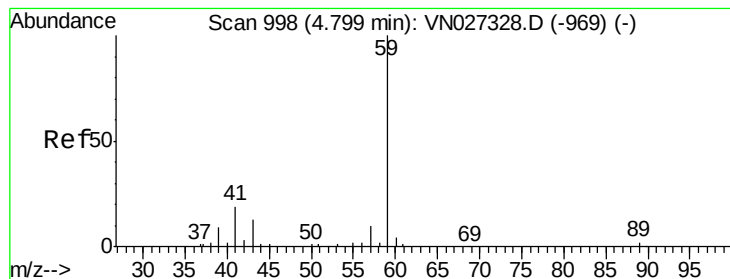
1000

500

0

Time-->





#12

Tert butyl alcohol

Concen: 0.30 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

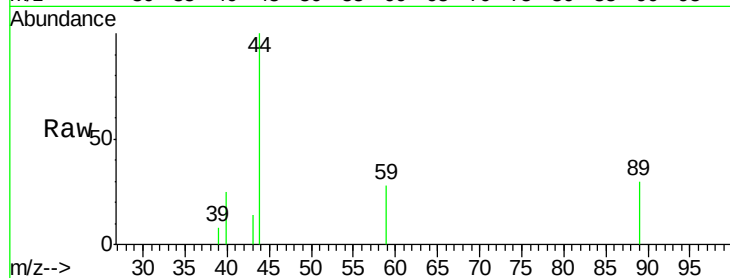
MW-9B

Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

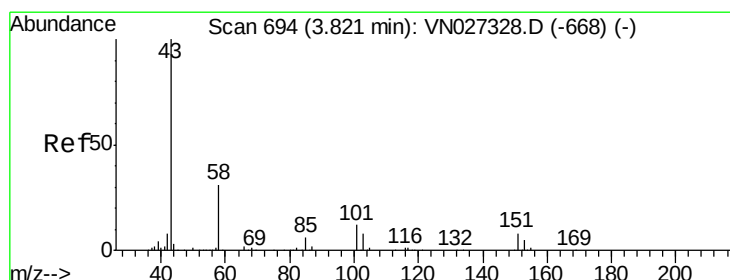
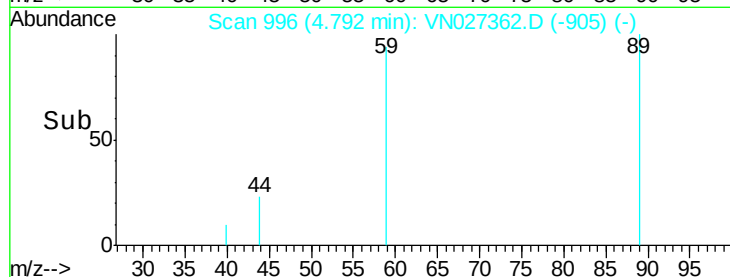
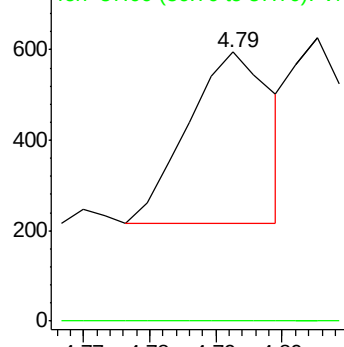
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#17

Acetone

Concen: 9.44 ug/l

RT: 3.84 min Scan# 699

Delta R.T. 0.02 min

Lab File: VN027362.D

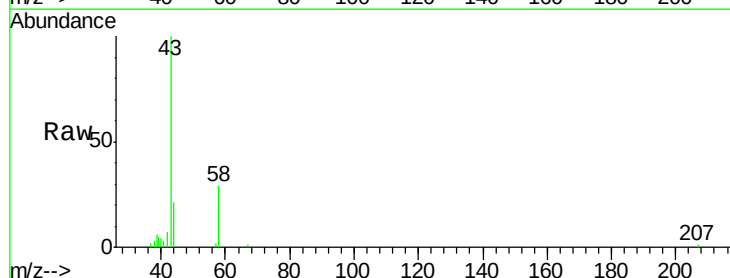
Acq: 22 Sep 2015 6:39

Tgt Ion: 43 Resp: 35831

Ion Ratio Lower Upper

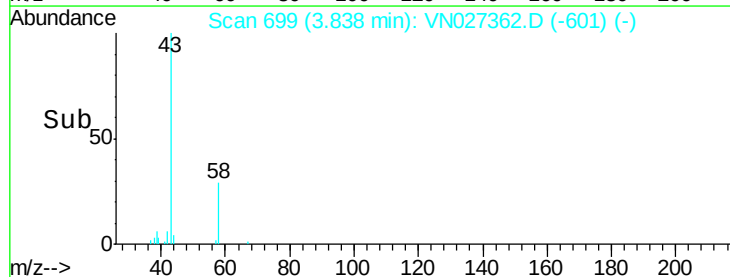
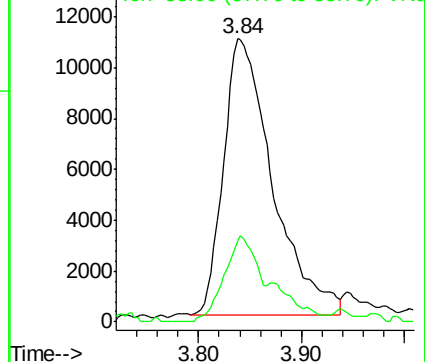
43 100

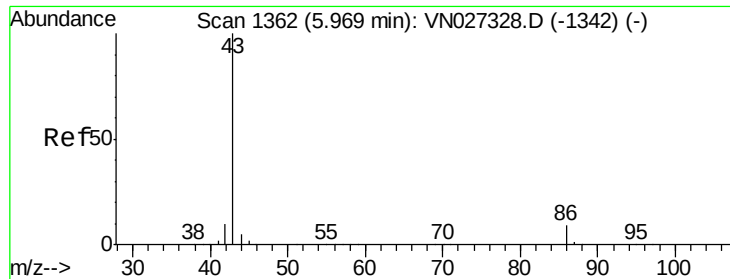
58 29.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#24

Vinyl Acetate

Concen: 9.30 ug/l

RT: 5.98 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

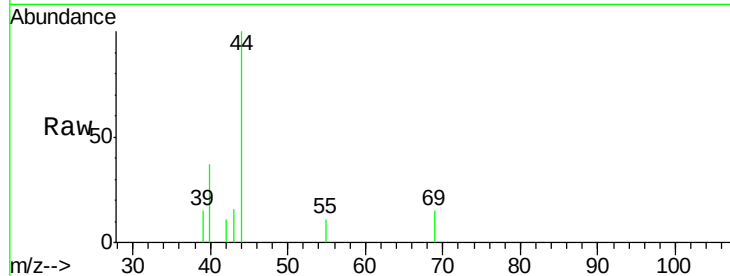
MW-9B

Tgt Ion: 43 Resp: 269

Ion Ratio Lower Upper

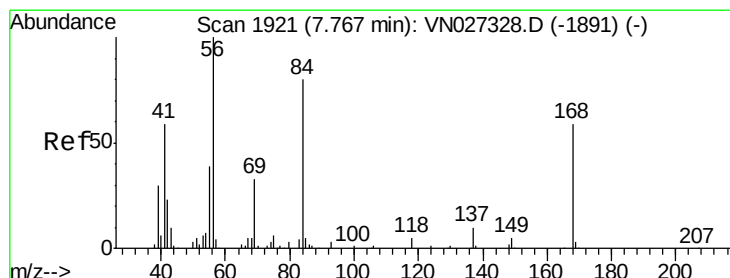
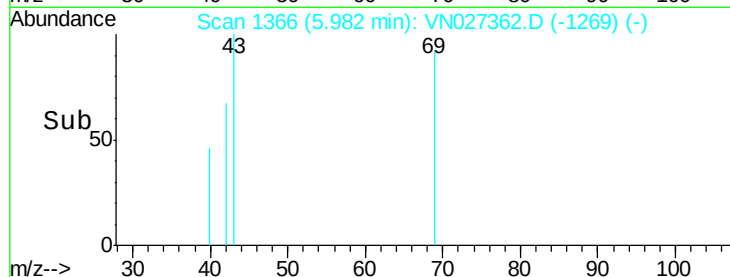
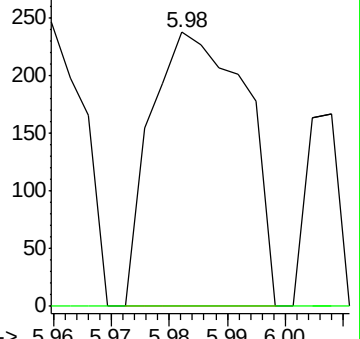
43 100

86 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#32

Cyclohexane

Concen: Below Cal

RT: 7.75 min Scan# 1916

Delta R.T. -0.02 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

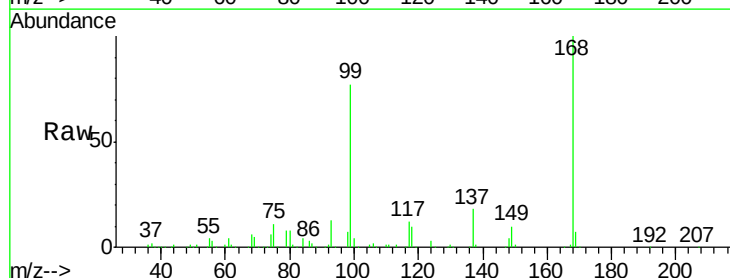
Tgt Ion: 56 Resp: 24169

Ion Ratio Lower Upper

56 100

69 155.9 23.0 34.4#

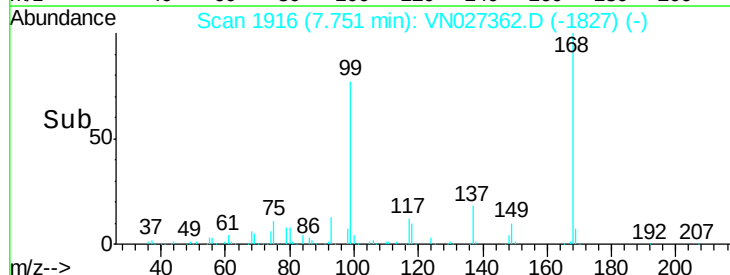
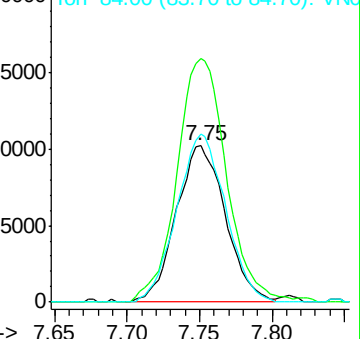
84 107.9 57.8 86.8#

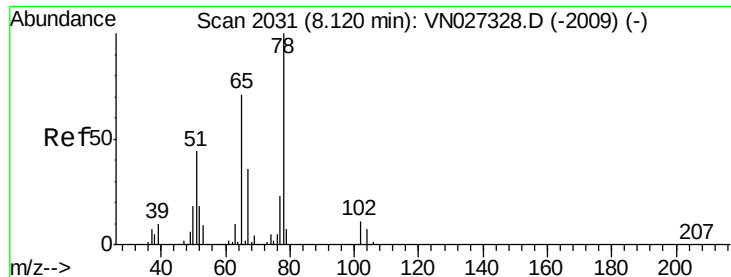


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

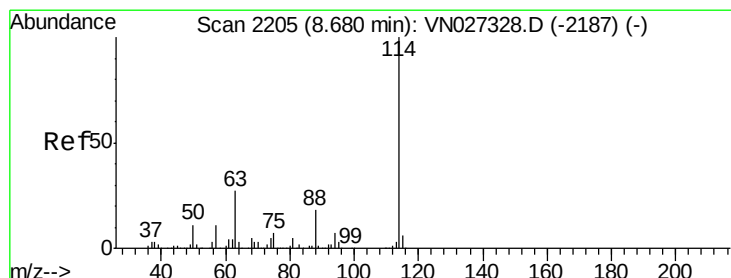
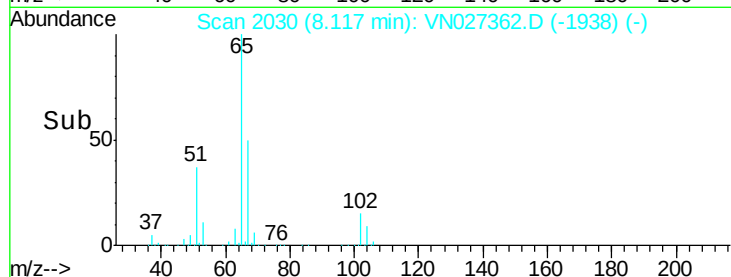
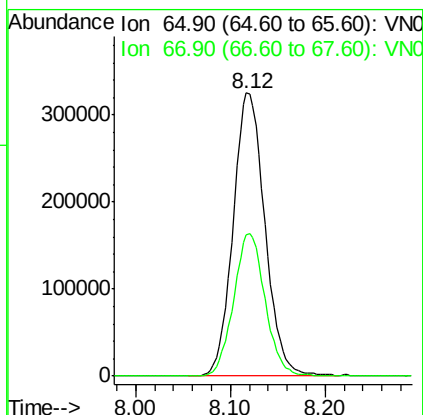
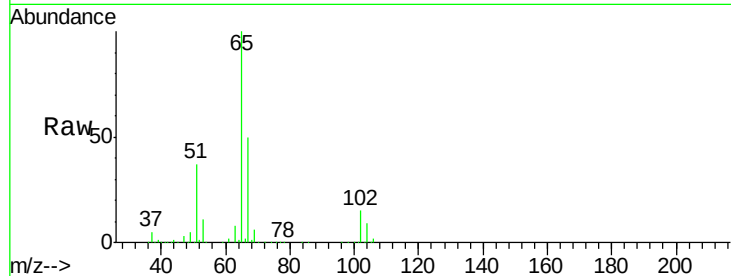




#34
 1,2-Dichloroethane-d4
 Concen: 54.41 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

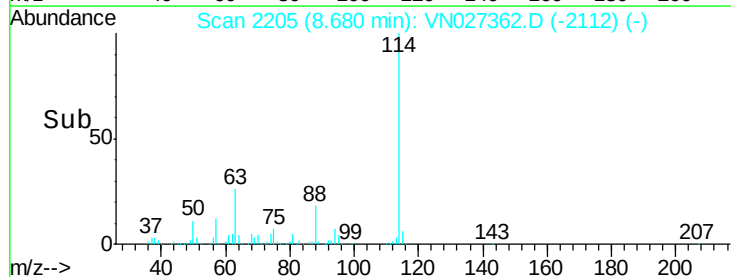
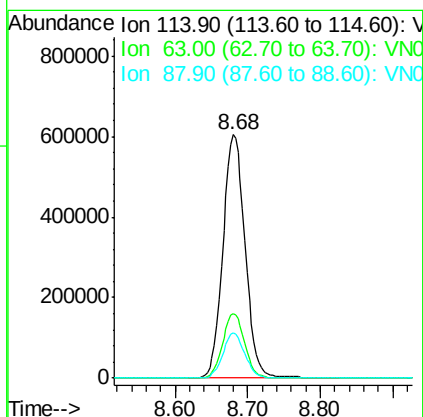
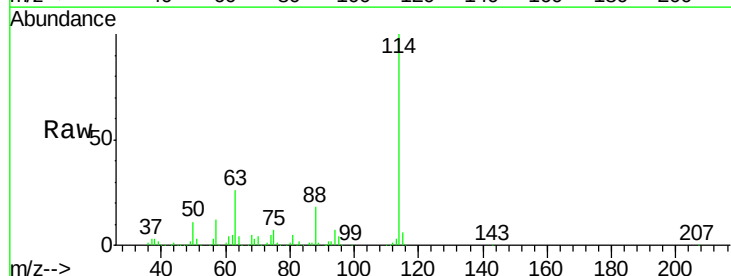
Instrument :
 MSVOA_N
 ClientSampled :
 MW-9B

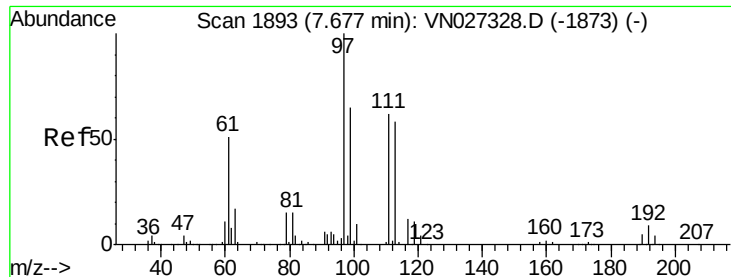
Tgt Ion: 65 Resp: 758916
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

Tgt Ion: 114 Resp: 1285285
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 48.8
 88 18.5 0.0 32.2

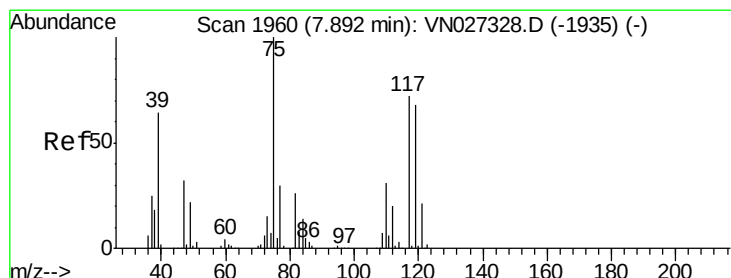
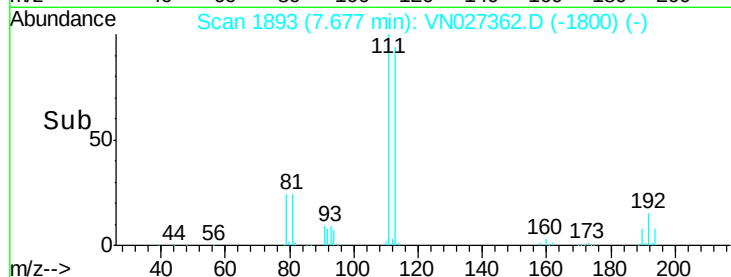
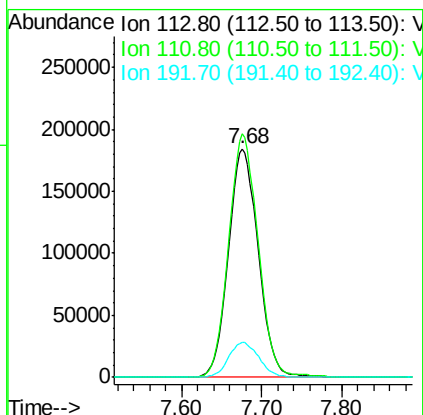
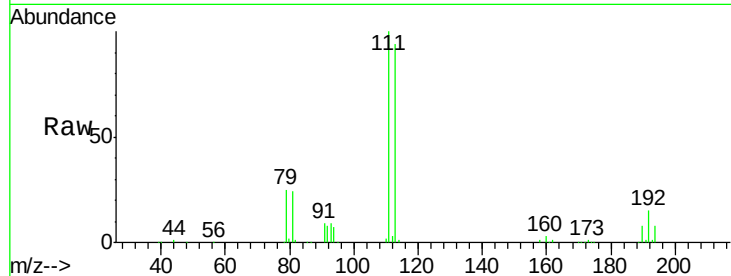




#36
 Dibromofluoromethane
 Concen: 55.52 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

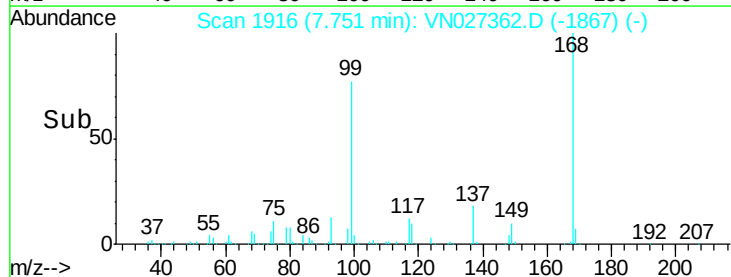
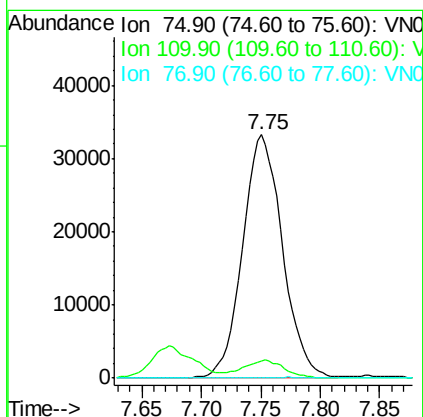
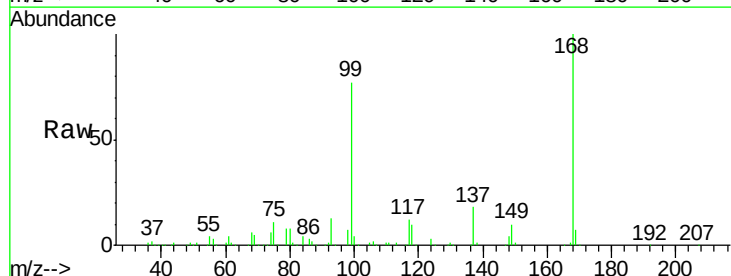
Instrument :
 MSVOA_N
 ClientSampled :
 MW-9B

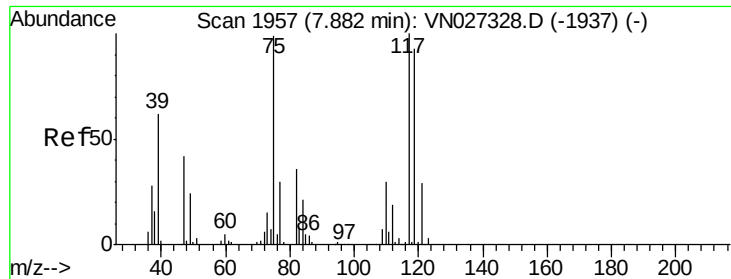
Tgt Ion: 113 Resp: 465620
 Ion Ratio Lower Upper
 113 100
 111 105.5 83.0 124.4
 192 15.6 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 5.57 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

Tgt Ion: 75 Resp: 77223
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.9 47.7#
 77 0.0 24.9 37.3#

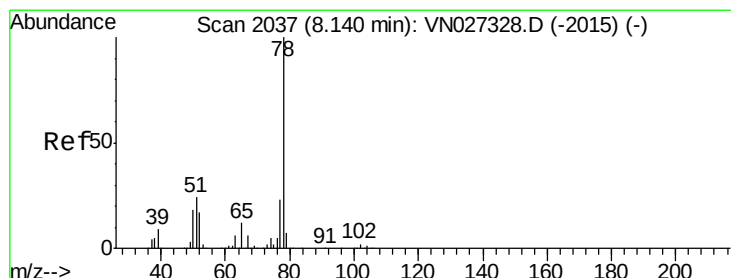
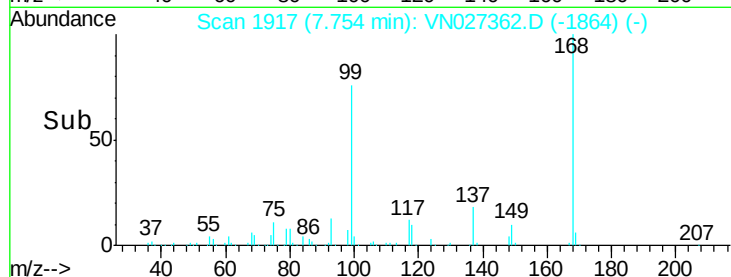
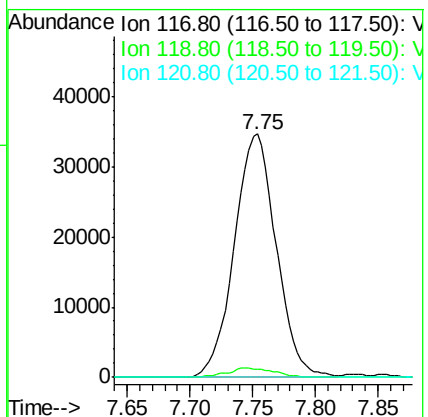
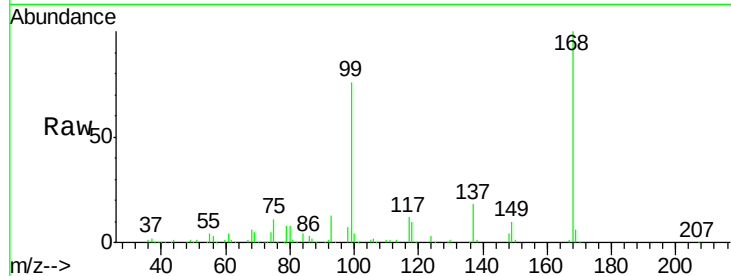




#39
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.13 min
Lab File: VN027362.D
Acq: 22 Sep 2015 6:39

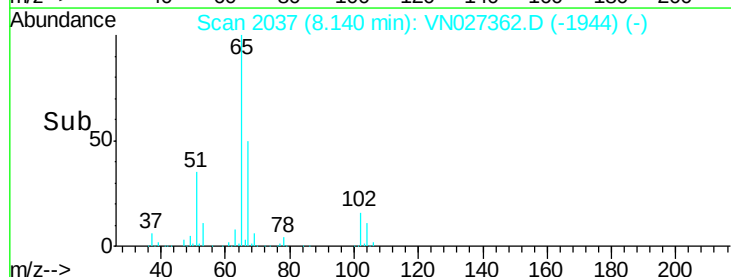
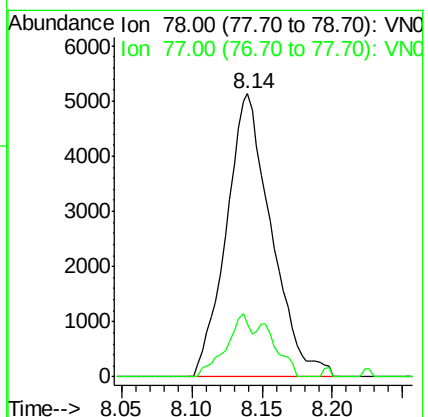
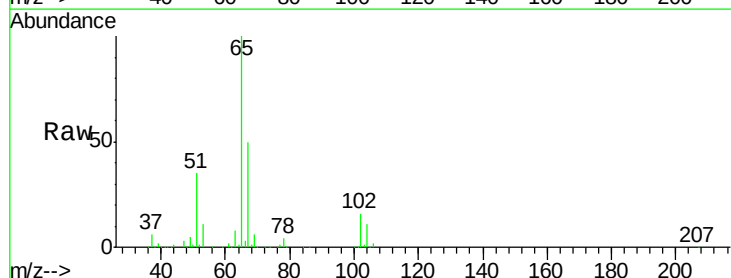
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MW-9B

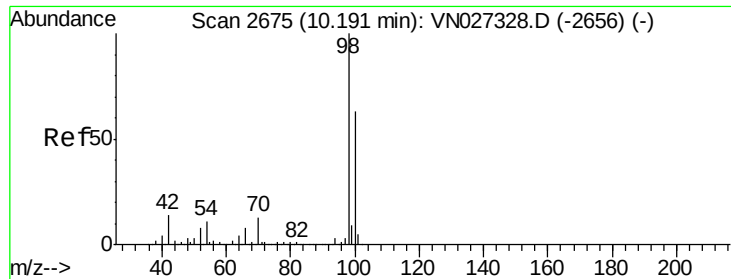
Tgt Ion:117 Resp: 80551
Ion Ratio Lower Upper
117 100
119 3.4 75.3 112.9#
121 0.0 23.8 35.8#



#41
Benzene
Concen: 0.28 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027362.D
Acq: 22 Sep 2015 6:39

Tgt Ion: 78 Resp: 11443
Ion Ratio Lower Upper
78 100
77 18.9 19.0 28.4#





#51

Toluene-d8

Concen: 58.47 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

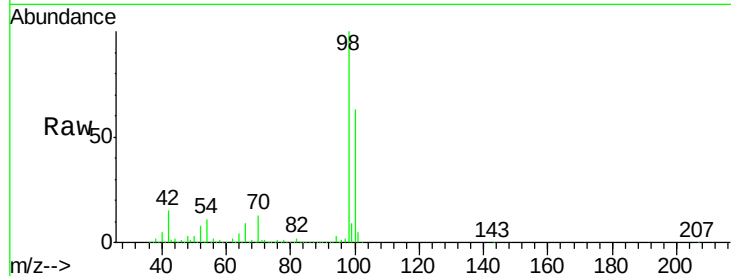
MW-9B

Tgt Ion: 98 Resp: 1895776

Ion Ratio Lower Upper

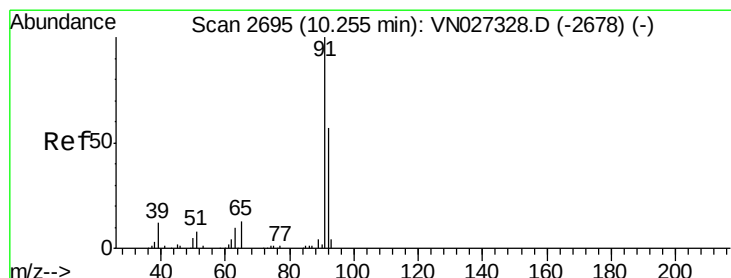
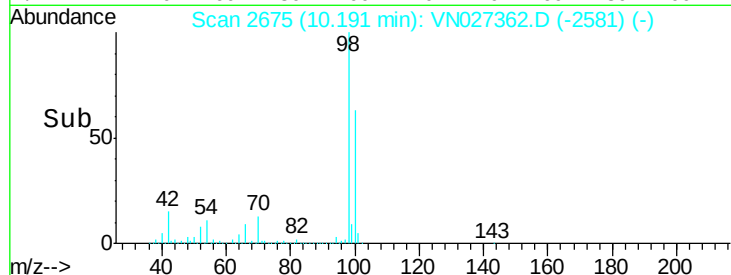
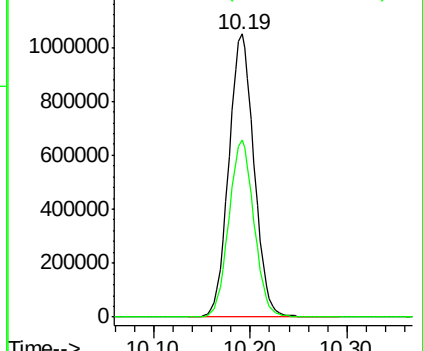
98 100

100 62.5 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#53

Toluene

Concen: 0.70 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027362.D

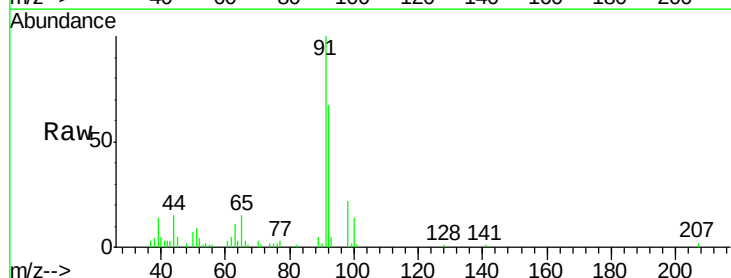
Acq: 22 Sep 2015 6:39

Tgt Ion: 92 Resp: 16541

Ion Ratio Lower Upper

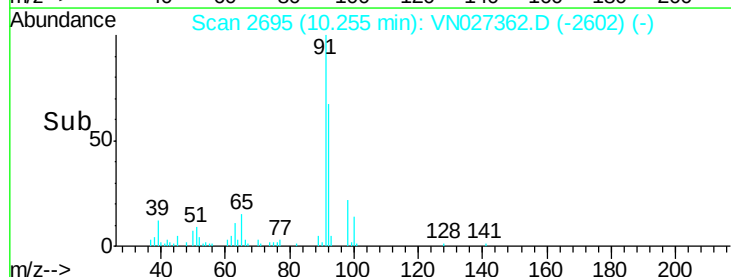
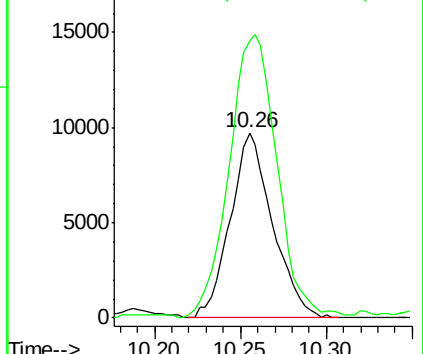
92 100

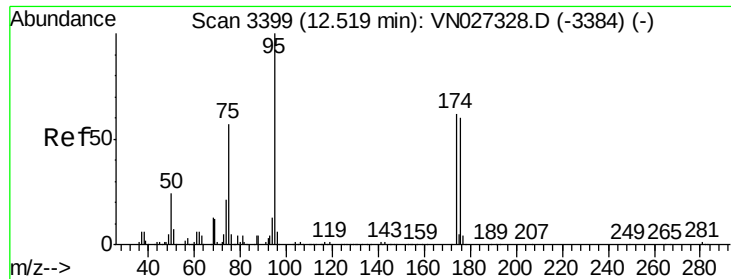
91 173.7 141.4 212.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

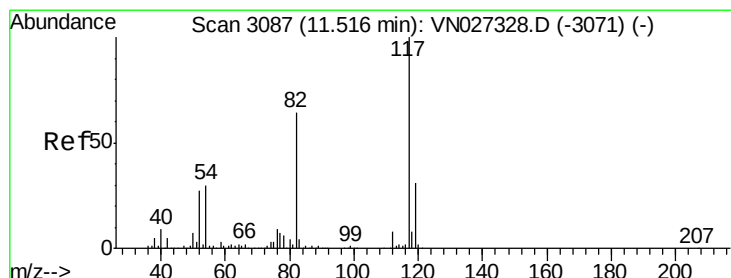
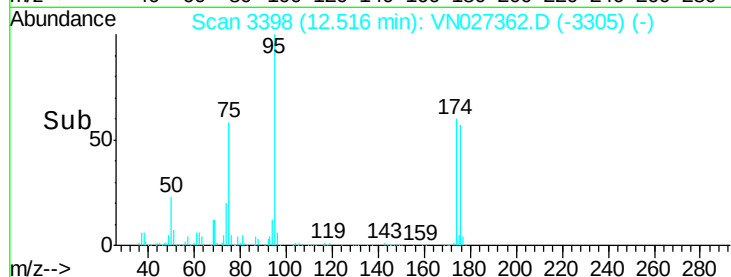
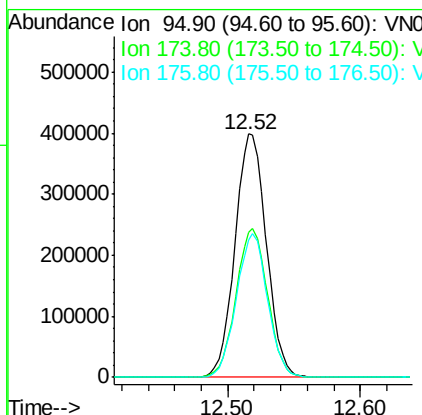
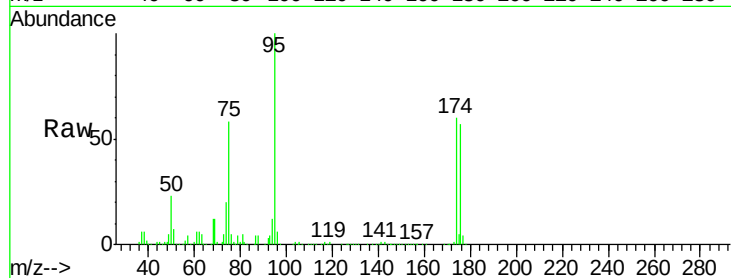




#63
4-Bromofluorobenzene
Concen: 55.64 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027362.D
Acq: 22 Sep 2015 6:39

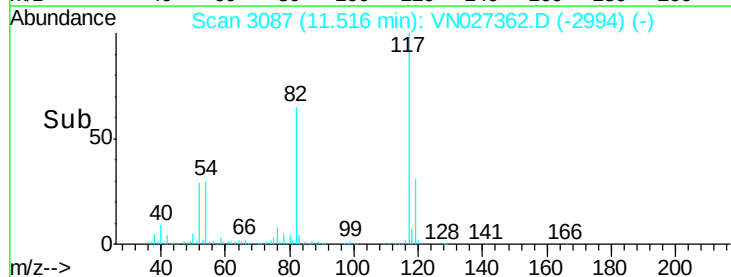
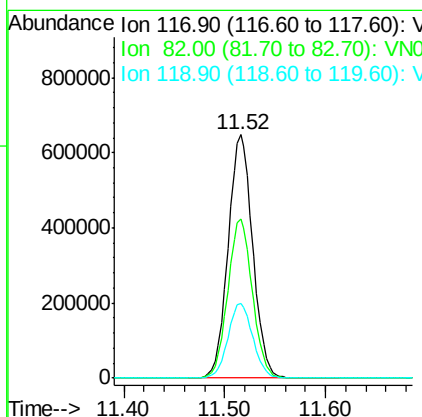
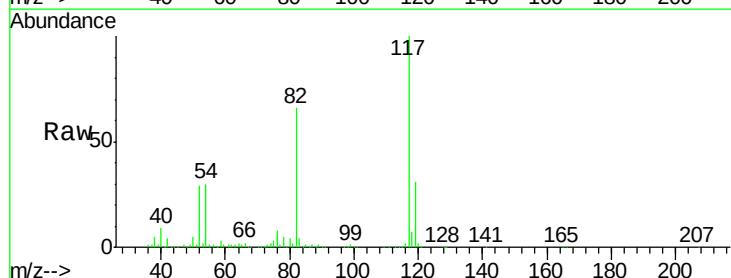
Instrument :
MSVOA_N
ClientSampled :
MW-9B

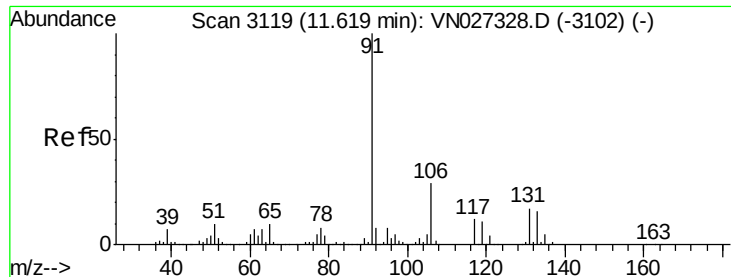
Tgt Ion: 95 Resp: 655348
Ion Ratio Lower Upper
95 100
174 61.4 0.0 137.0
176 58.6 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027362.D
Acq: 22 Sep 2015 6:39

Tgt Ion: 117 Resp: 1098668
Ion Ratio Lower Upper
117 100
82 65.5 49.6 74.4
119 30.6 24.6 36.8





#68

Ethyl Benzene

Concen: 0.98 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

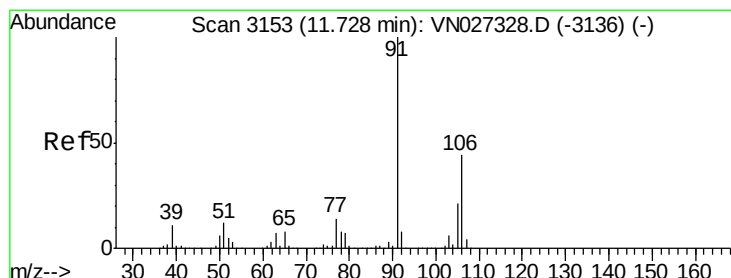
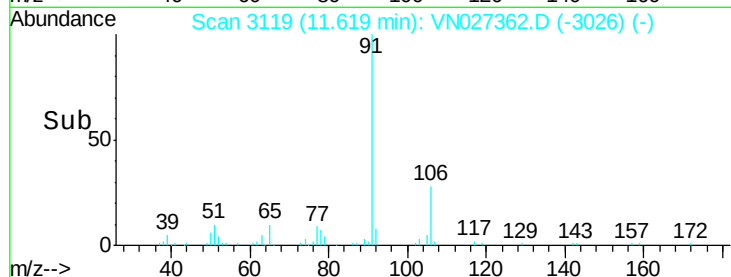
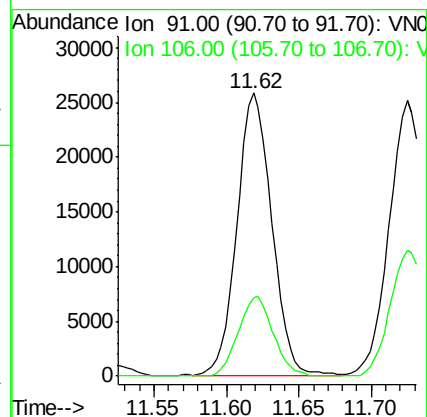
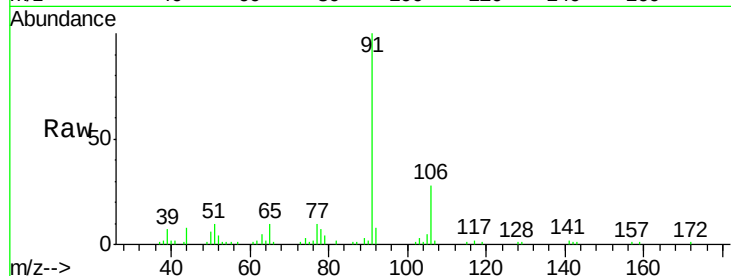
MW-9B

Tgt Ion: 91 Resp: 43386

Ion Ratio Lower Upper

91 100

106 27.6 23.1 34.7



#69

m/p-Xylenes

Concen: 1.41 ug/l

RT: 11.72 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VN027362.D

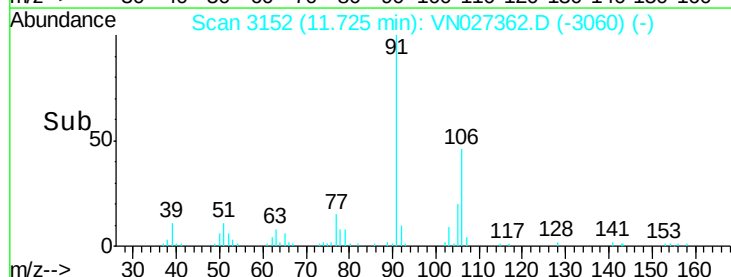
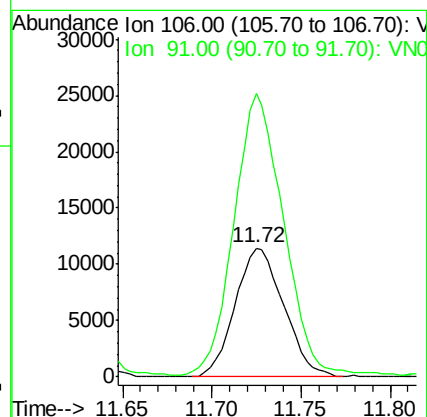
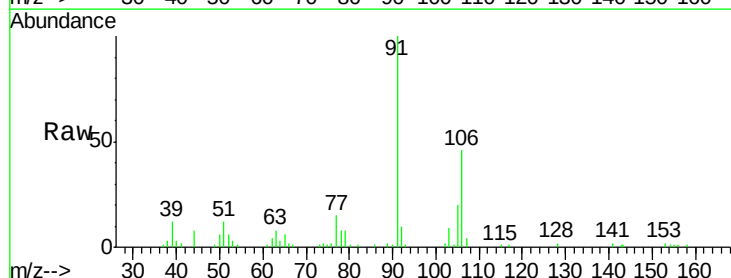
Acq: 22 Sep 2015 6:39

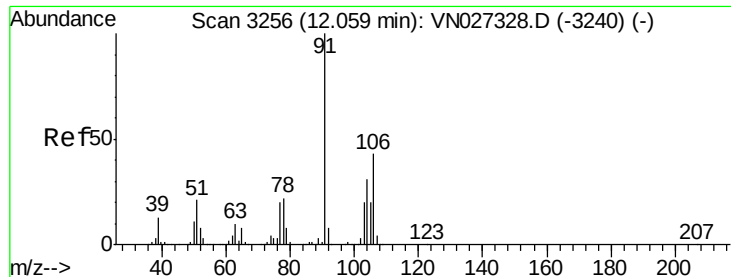
Tgt Ion: 106 Resp: 21669

Ion Ratio Lower Upper

106 100

91 221.1 167.1 250.7





#70

o-Xylene

Concen: 0.33 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampleId :

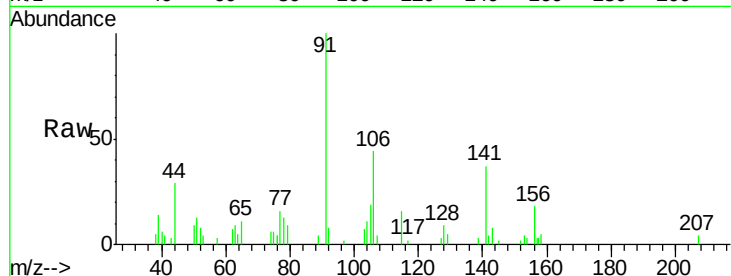
MW-9B

Tgt Ion:106 Resp: 5114

Ion Ratio Lower Upper

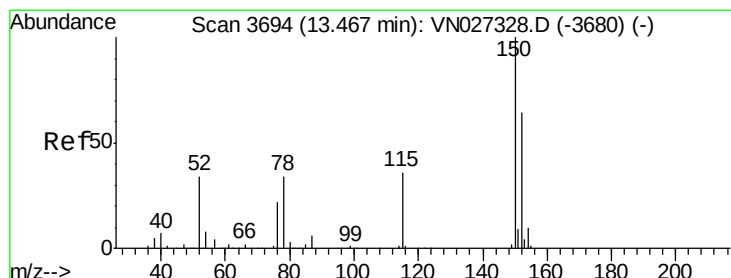
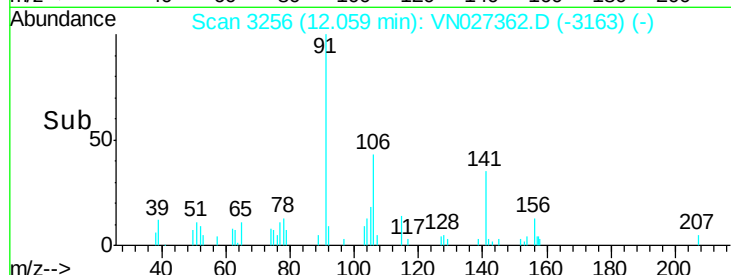
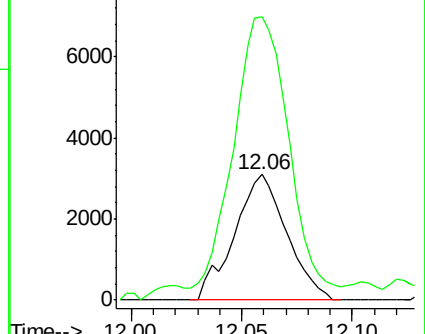
106 100

91 228.7 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

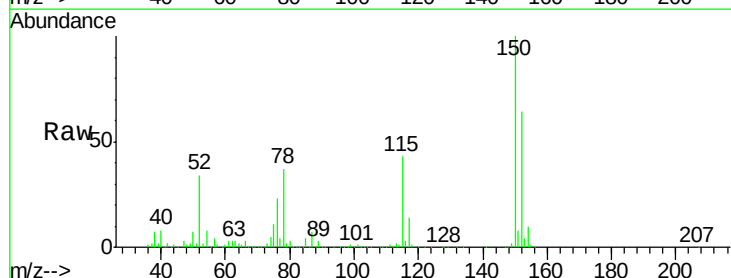
Tgt Ion:152 Resp: 397142

Ion Ratio Lower Upper

152 100

115 68.2 30.8 92.3

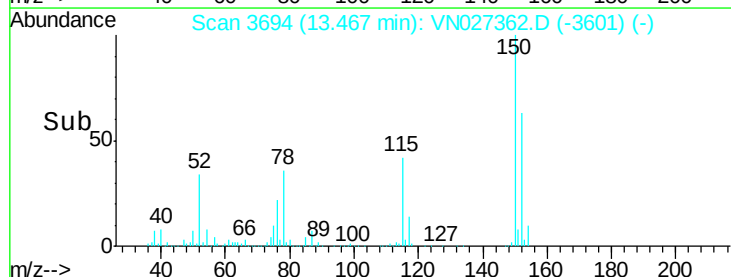
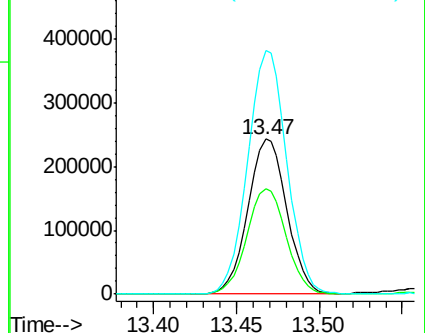
150 157.4 0.0 345.0

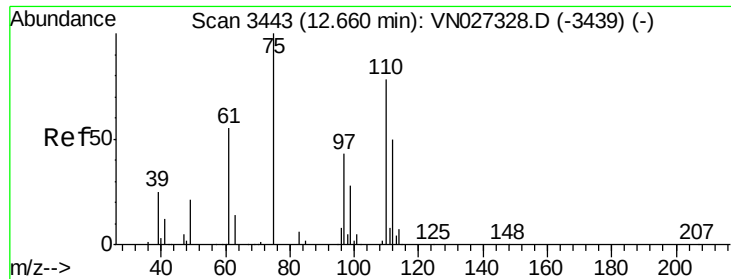


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#77

1,2,3-Trichloropropane

Concen: 38.58 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

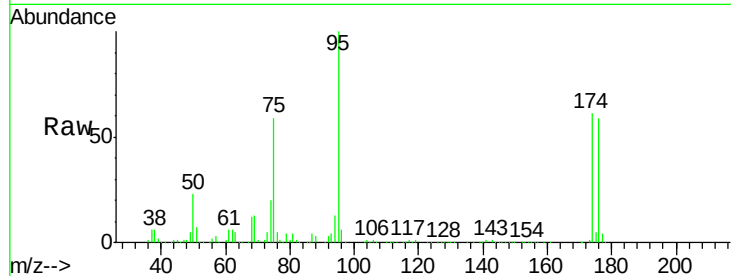
MW-9B

Tgt Ion: 75 Resp: 384655

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

12.52

250000

200000

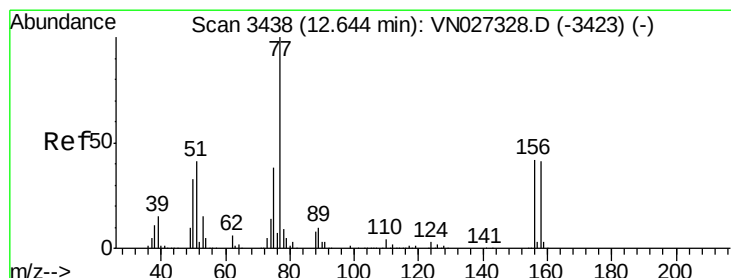
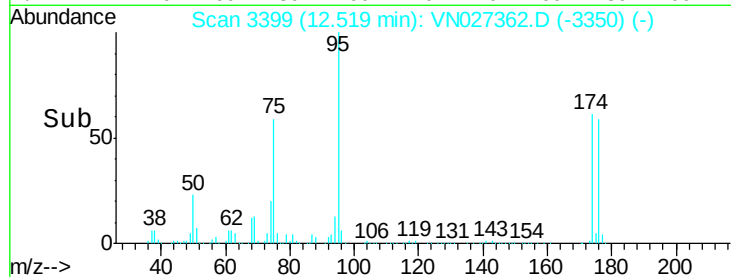
150000

100000

50000

0

Time-->



#78

Bromobenzene

Concen: 17.87 ug/l

RT: 12.67 min Scan# 3446

Delta R.T. 0.03 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

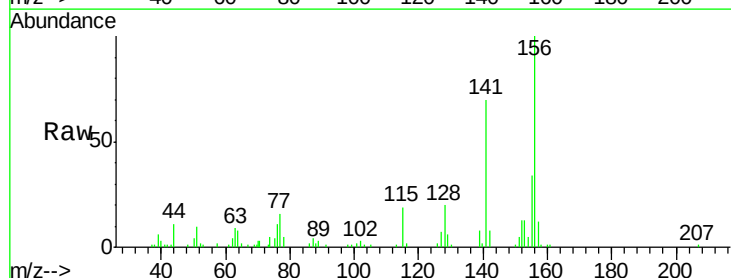
Tgt Ion: 156 Resp: 139120

Ion Ratio Lower Upper

156 100

77 0.3 127.3 381.9#

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

25000

20000

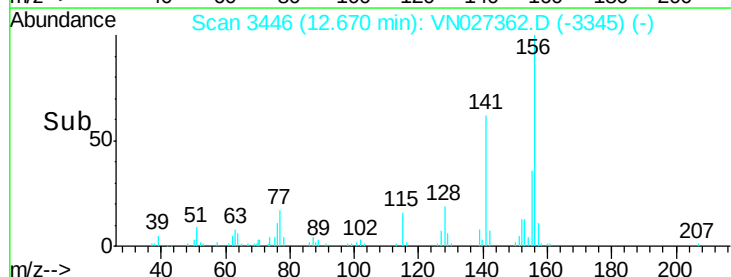
15000

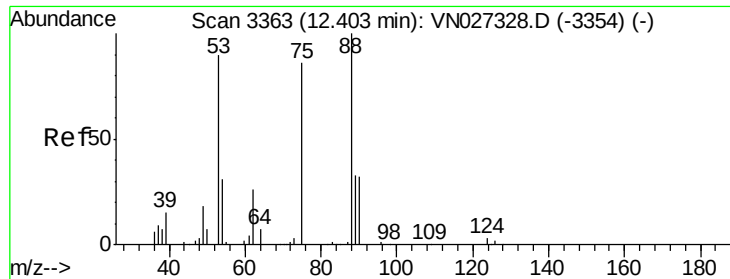
10000

5000

0

Time-->





#82

trans-1,4-Dichloro-2-butene

Concen: 98.93 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027362.D

Acq: 22 Sep 2015 6:39

Instrument :

MSVOA_N

ClientSampled :

MW-9B

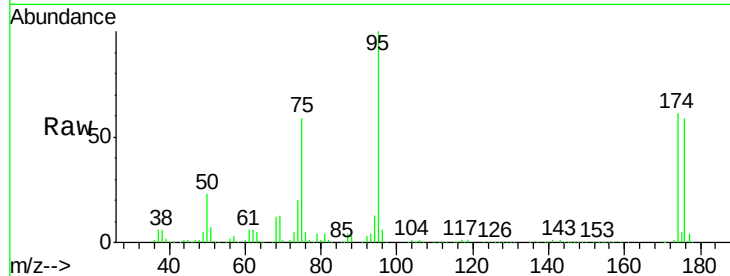
Tgt Ion: 75 Resp: 384655

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

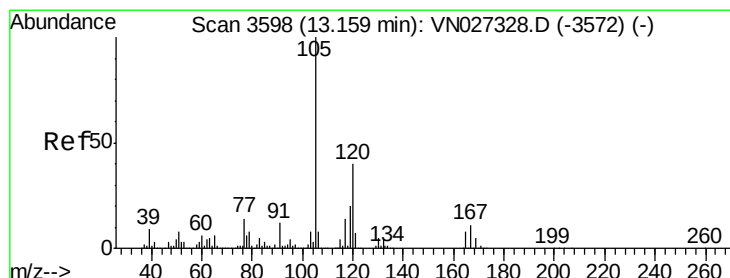
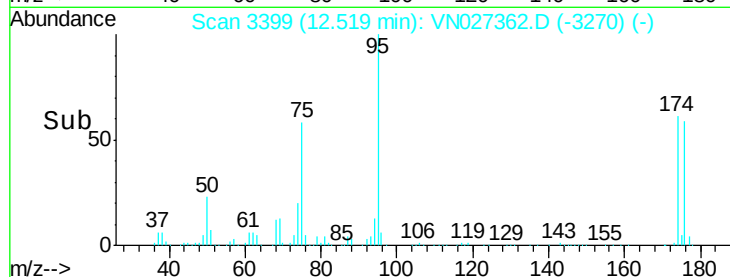
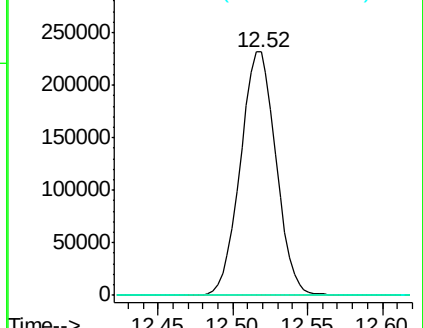
89 0.1 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN027362.D (-3270) (-)

Ion 53.00 (52.70 to 53.70): VN027362.D (-3270) (-)

Ion 88.90 (88.60 to 89.60): VN027362.D (-3270) (-)



#85

1,2,4-Trimethylbenzene

Concen: 0.44 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027362.D

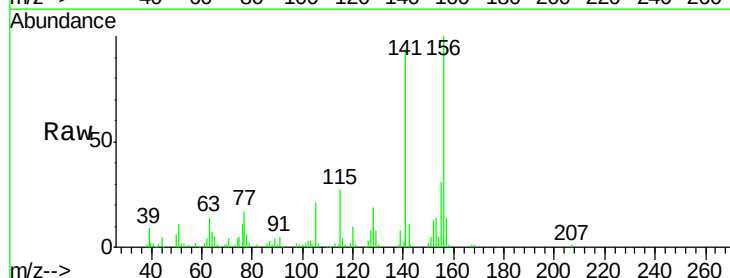
Acq: 22 Sep 2015 6:39

Tgt Ion: 105 Resp: 13944

Ion Ratio Lower Upper

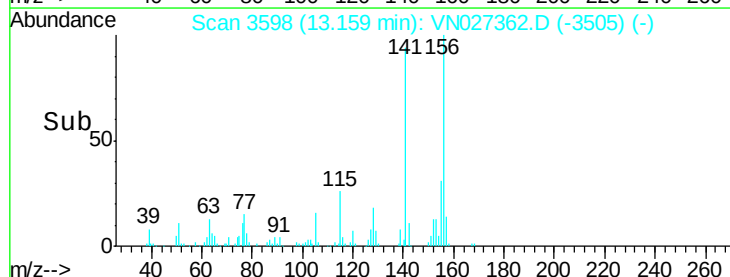
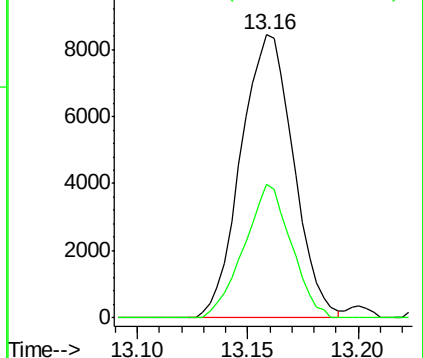
105 100

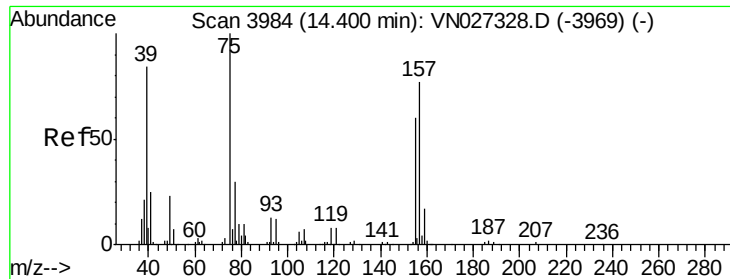
120 42.1 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): VN027362.D (-3505) (-)

Ion 120.00 (119.70 to 120.70): VN027362.D (-3505) (-)

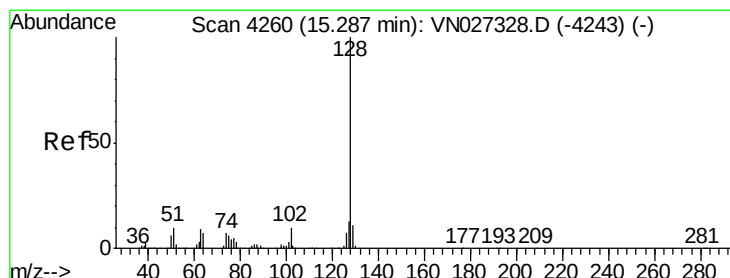
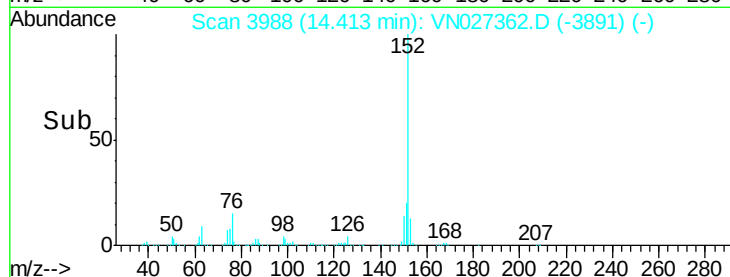
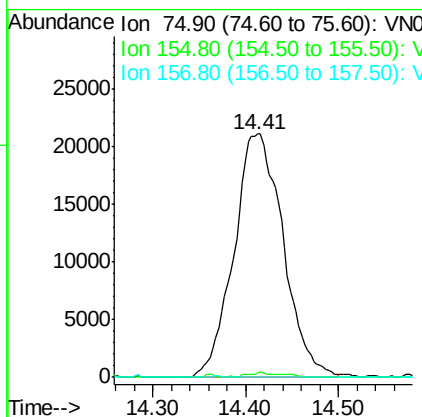
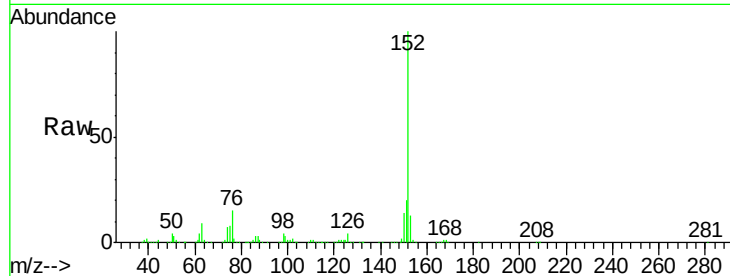




#93
 1,2-Dibromo-3-Chloropropane
 Concen: 35.45 ug/l
 RT: 14.41 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

Instrument :
 MSVOA_N
 ClientSampled :
 MW-9B

Tgt Ion: 75 Resp: 77808
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.9#
 157 0.0 44.6 133.8#



#96
 Naphthalene
 Concen: 19.09 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN027362.D
 Acq: 22 Sep 2015 6:39

Tgt Ion: 128 Resp: 351438
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 10.3 8.6 12.8

