

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027260.D
 Acq On : 17 Sep 2015 17:31
 Operator : MD\FY
 Sample : G3704-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-9-15-15

Quant Time: Sep 18 01:15:56 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	768845	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1365263	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1145741	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	402288	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	766473	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
36) Dibromofluoromethane	7.68	113	492819	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
51) Toluene-d8	10.19	98	2000773	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
63) 4-Bromofluorobenzene	12.52	95	660888	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	

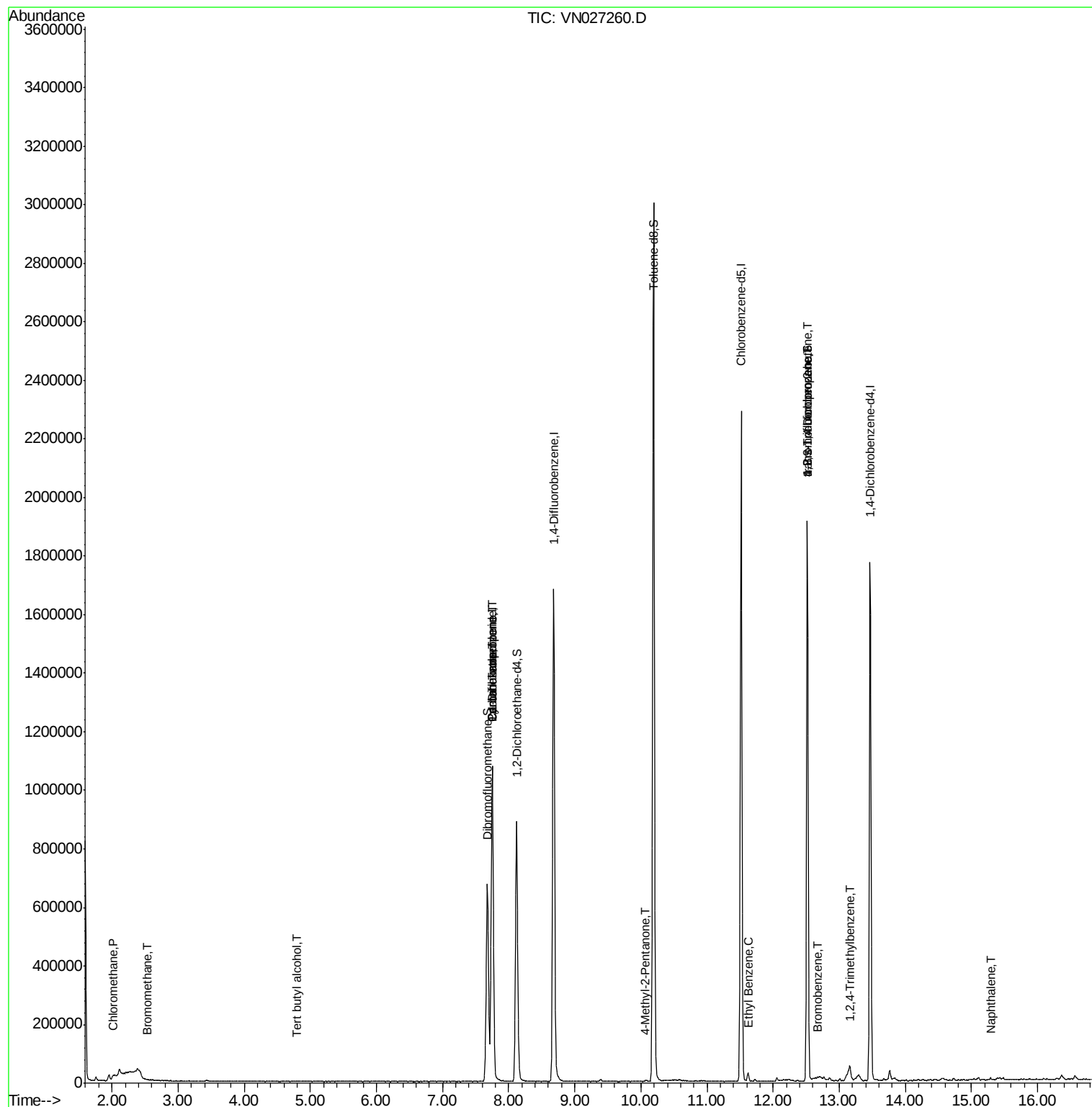
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	1038	1.21	ug/l #	47
6) Bromomethane	2.54	94	133	1.62	ug/l #	33
12) Tert butyl alcohol	4.80	59	433	0.28	ug/l #	1
32) Cyclohexane	7.75	56	24792	0.23	ug/l #	7
37) 1,1-Dichloropropene	7.75	75	80114	5.01	ug/l #	51
38) Ethyl Acetate	7.03	43	29	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	87685	5.84	ug/l #	16
52) 4-Methyl-2-Pentanone	10.08	43	3245	0.24	ug/l	98
68) Ethyl Benzene	11.62	91	17750	0.35	ug/l	92
76) 1,1,2,2-Tetrachloroethane	12.63	83	126	Below Cal	#	25
77) 1,2,3-Trichloropropane	12.52	75	381806	31.40	ug/l #	1
78) Bromobenzene	12.66	156	2953	0.34	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	381806	77.14	ug/l #	4
85) 1,2,4-Trimethylbenzene	13.16	105	13214	0.37	ug/l	95
93) 1,2-Dibromo-3-Chloropropan	14.36	75	30	Below Cal	#	9
96) Naphthalene	15.29	128	5992	0.26	ug/l #	95

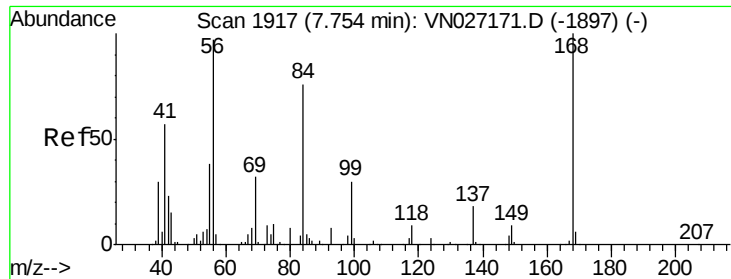
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
Data File : VN027260.D
Acq On : 17 Sep 2015 17:31
Operator : MD\FY
Sample : G3704-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-5-9-15-15

Quant Time: Sep 18 01:15:56 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampleId :

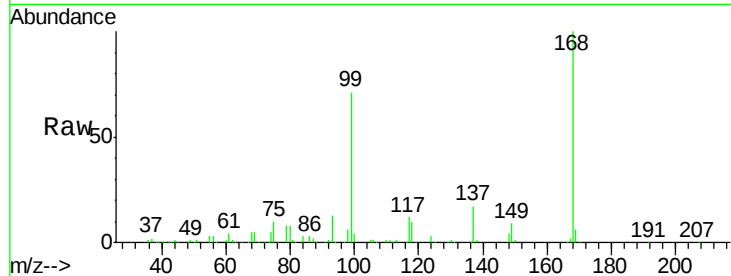
MW-5-9-15-15

Tgt Ion:168 Resp: 768845

Ion Ratio Lower Upper

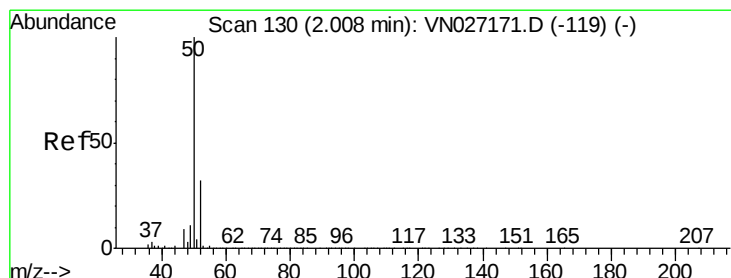
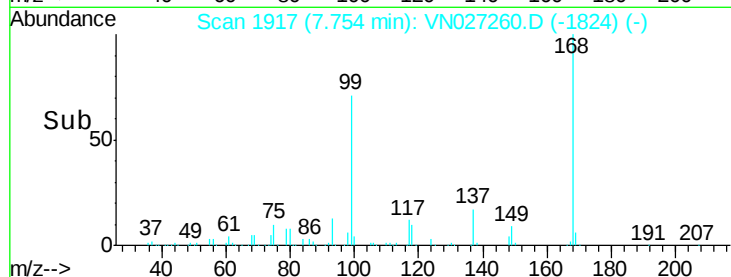
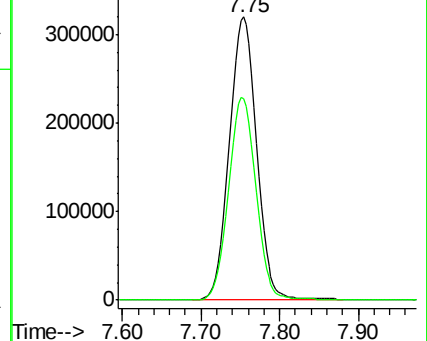
168 100

99 71.4 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Chloromethane

Concen: 1.21 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027260.D

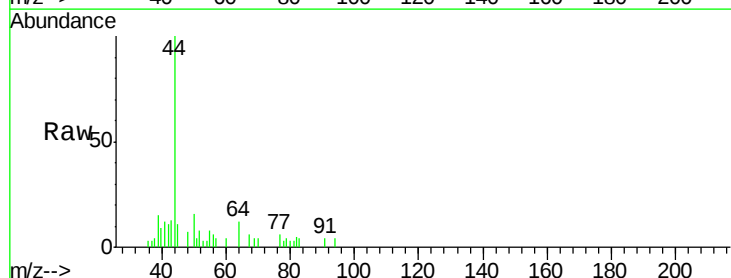
Acq: 17 Sep 2015 17:31

Tgt Ion: 50 Resp: 1038

Ion Ratio Lower Upper

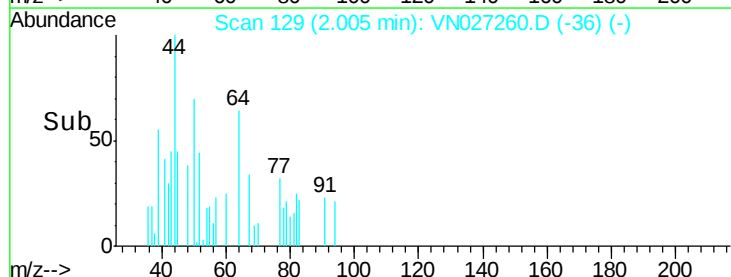
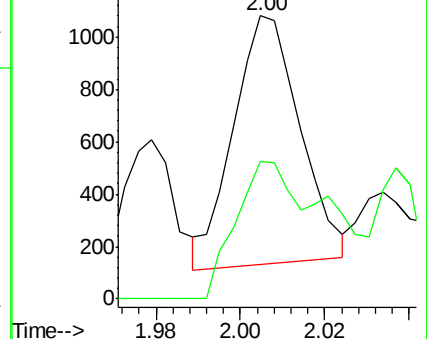
50 100

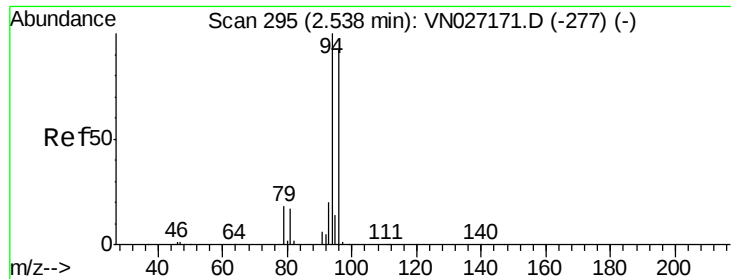
52 62.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#6

Bromomethane

Concen: 1.62 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampled :

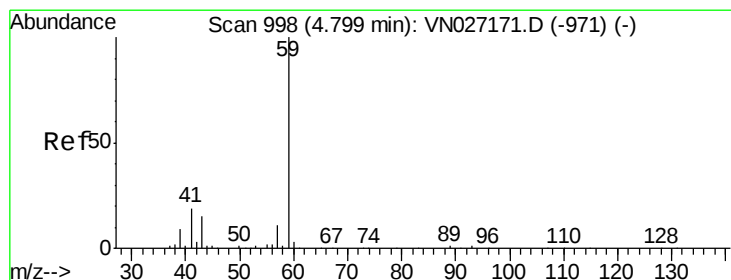
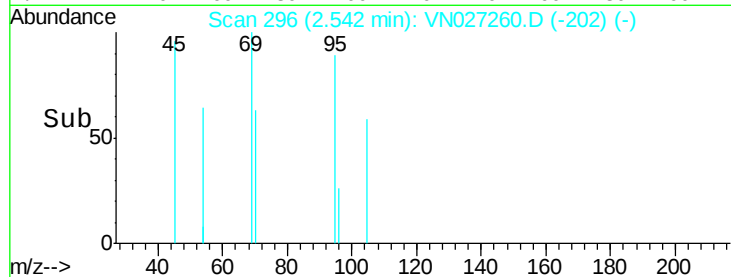
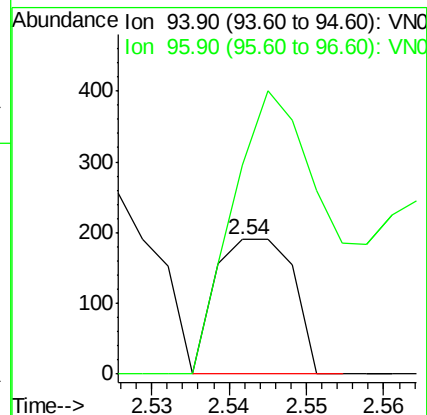
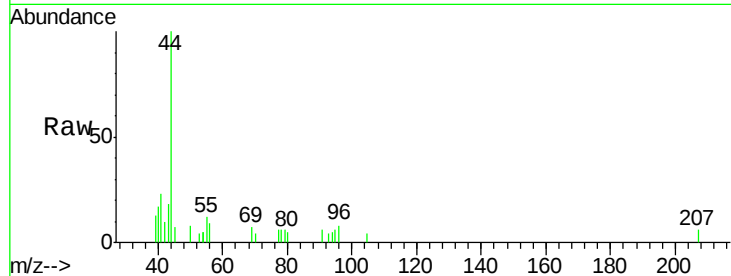
MW-5-9-15-15

Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

94 100

96 155.3 73.4 110.2#



#12

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN027260.D

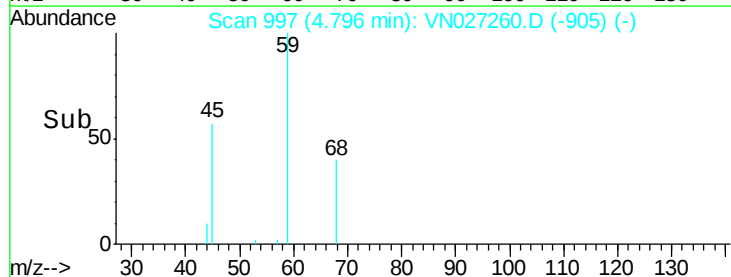
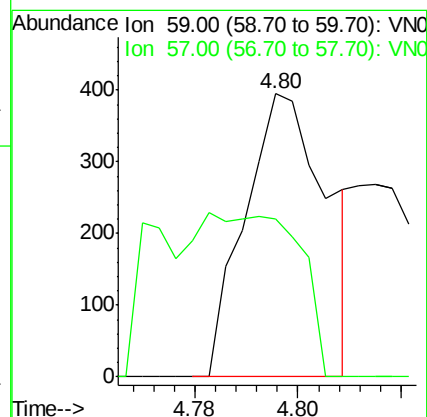
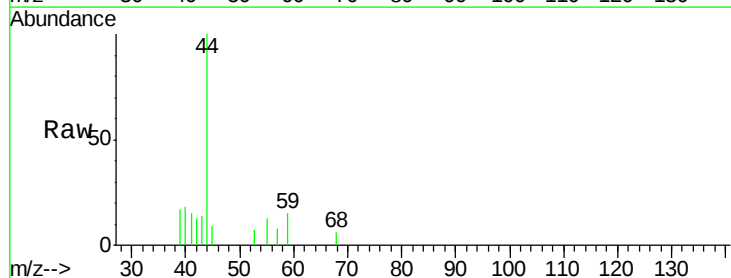
Acq: 17 Sep 2015 17:31

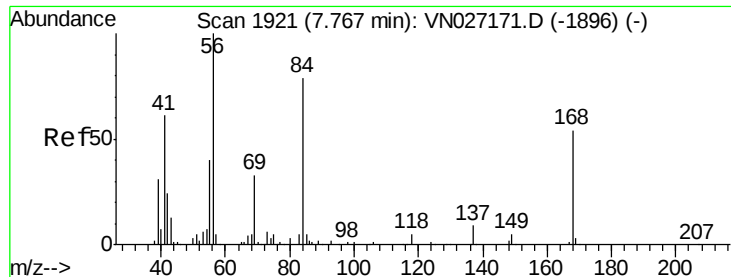
Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 65.8 7.6 11.4#

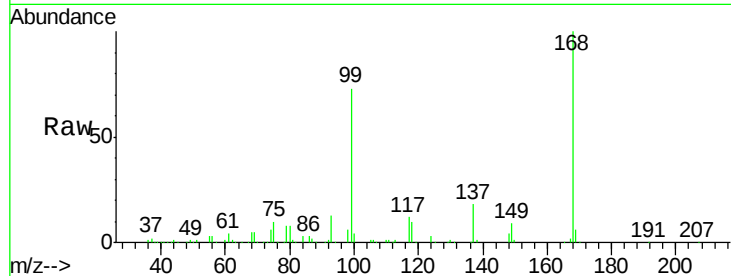




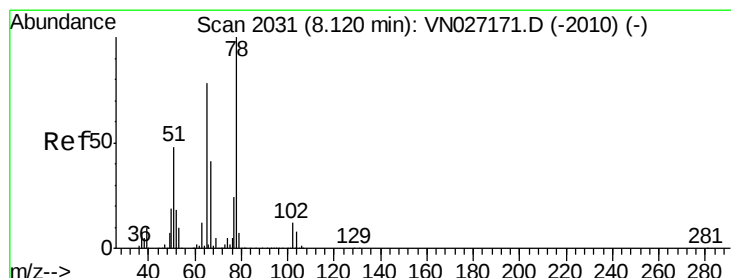
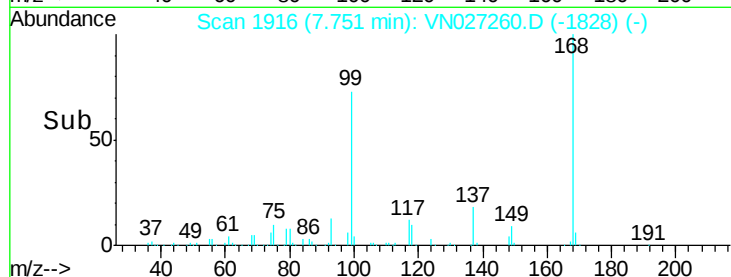
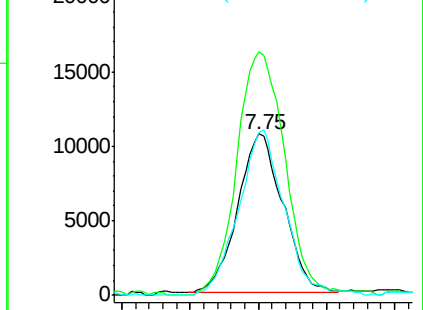
#32
Cyclohexane
Concen: 0.23 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.02 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

Instrument :
MSVOA_N
ClientSampled :
MW-5-9-15-15

Tgt Ion: 56 Resp: 24792
Ion Ratio Lower Upper
56 100
69 153.3 23.0 34.4#
84 102.6 57.8 86.8#

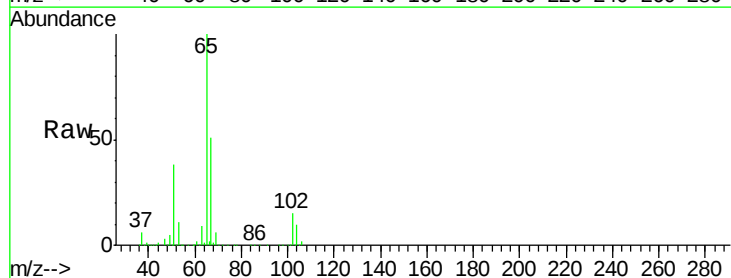


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

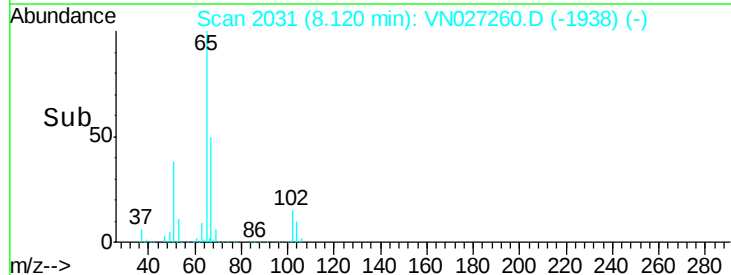
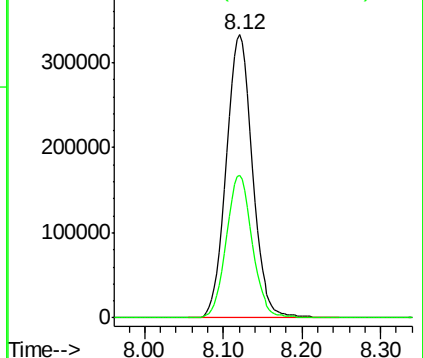


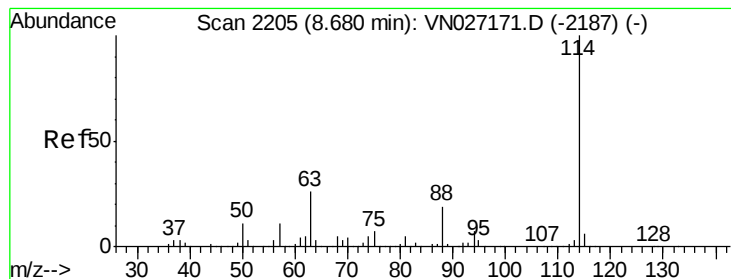
#34
1,2-Dichloroethane-d4
Concen: 48.66 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

Tgt Ion: 65 Resp: 766473
Ion Ratio Lower Upper
65 100
67 50.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampleId :

MW-5-9-15-15

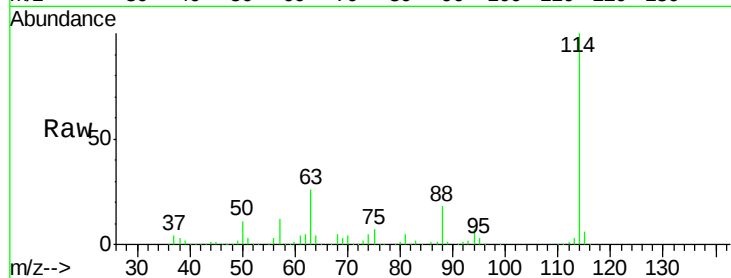
Tgt Ion:114 Resp: 1365263

Ion Ratio Lower Upper

114 100

63 26.3 0.0 48.8

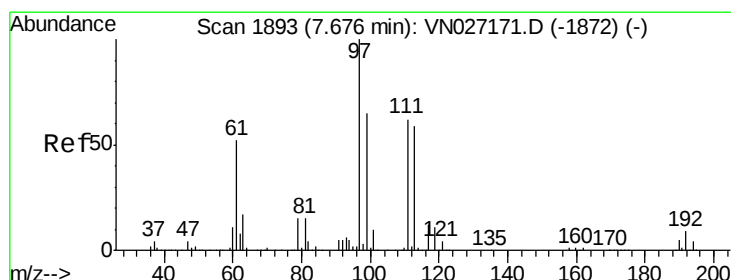
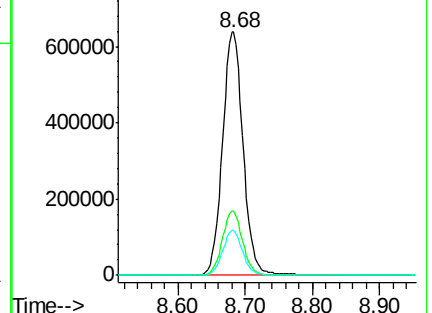
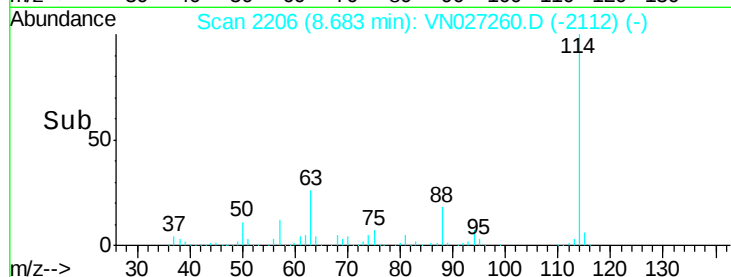
88 18.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 52.07 ug/l

RT: 7.68 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

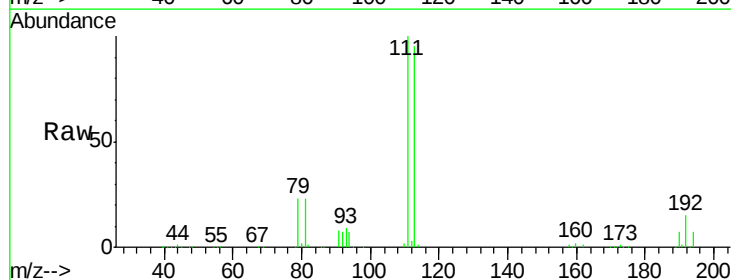
Tgt Ion:113 Resp: 492819

Ion Ratio Lower Upper

113 100

111 106.1 83.0 124.4

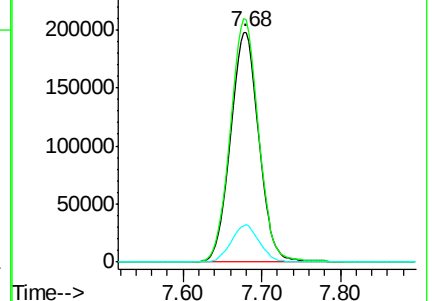
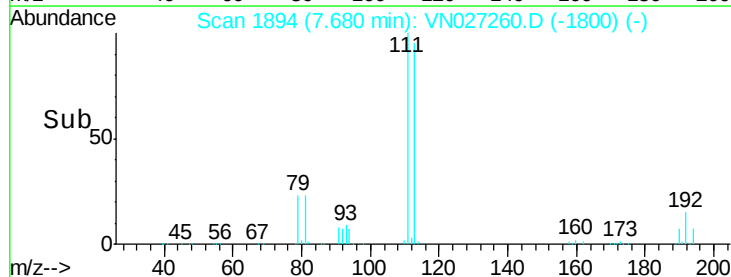
192 16.2 14.1 21.1

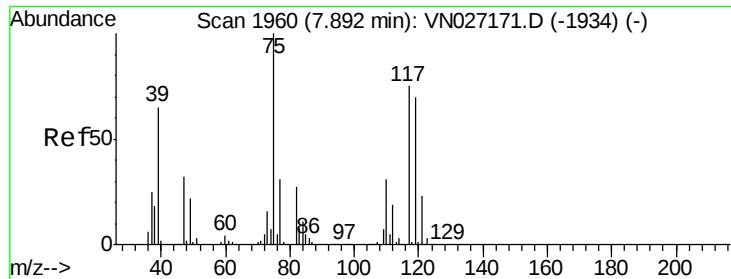


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

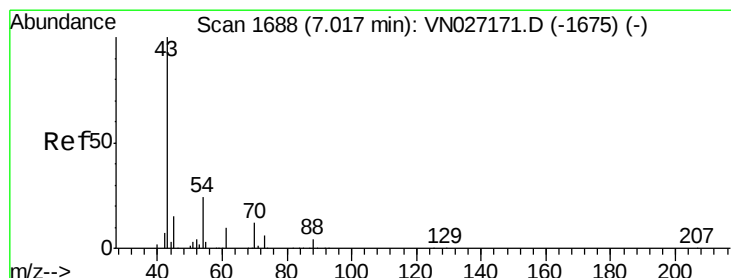
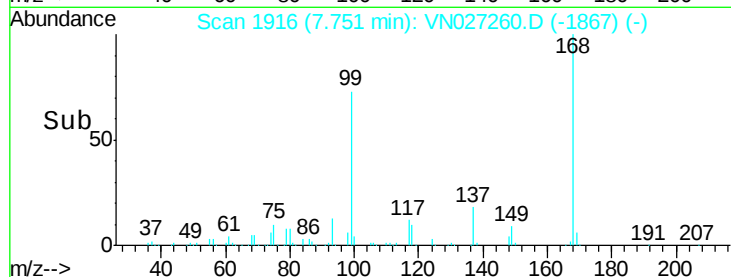
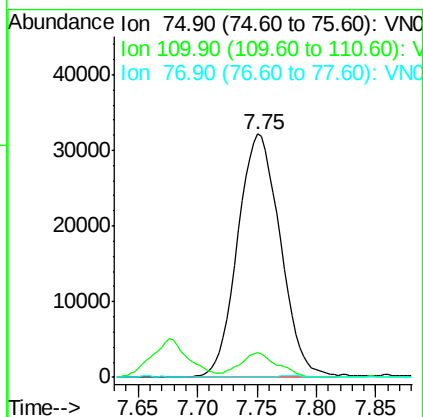
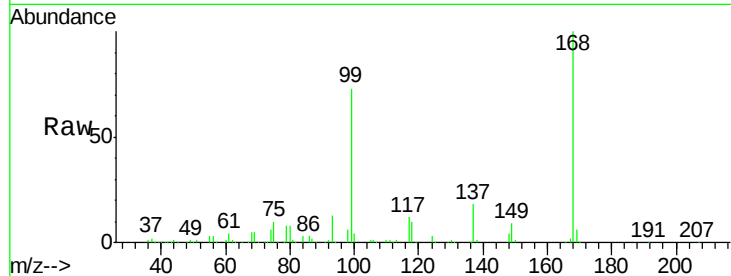




#37
 1,1-Dichloropropene
 Concen: 5.01 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027260.D
 Acq: 17 Sep 2015 17:31

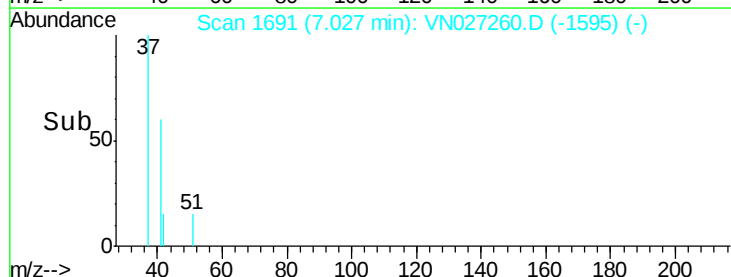
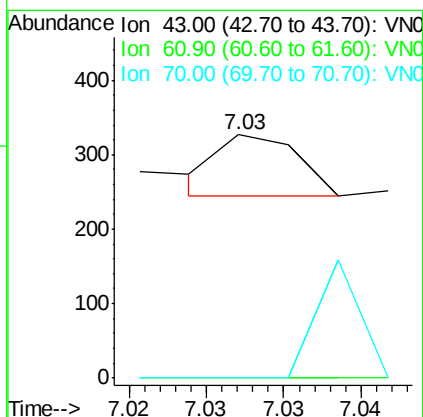
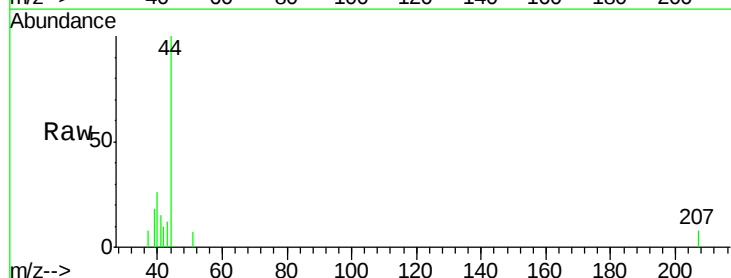
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-9-15-15

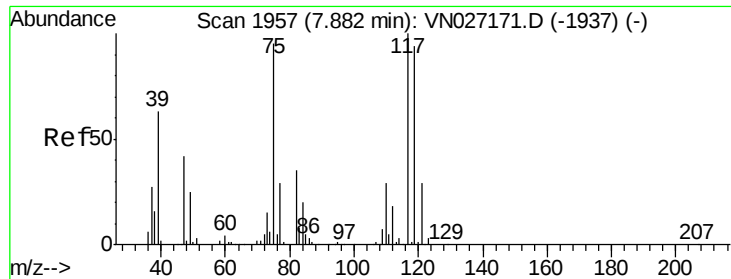
Tgt Ion: 75 Resp: 80114
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.9 47.7#
 77 0.0 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.03 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: VN027260.D
 Acq: 17 Sep 2015 17:31

Tgt Ion: 43 Resp: 29
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 106.9 7.4 11.0#

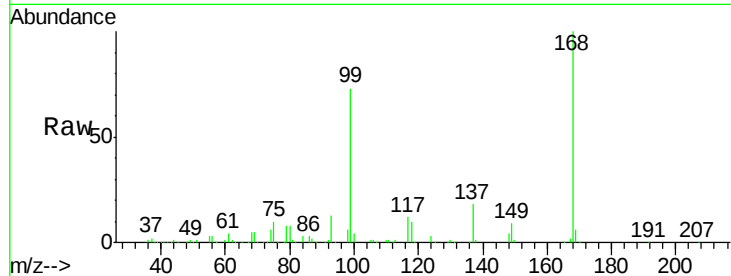




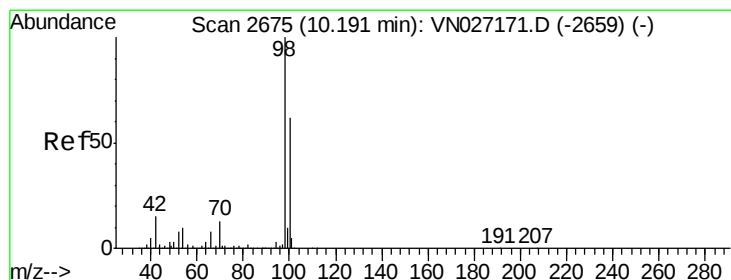
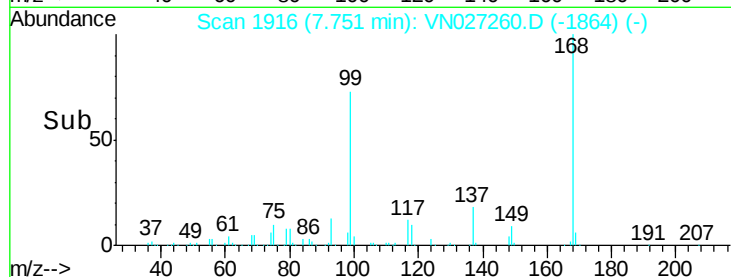
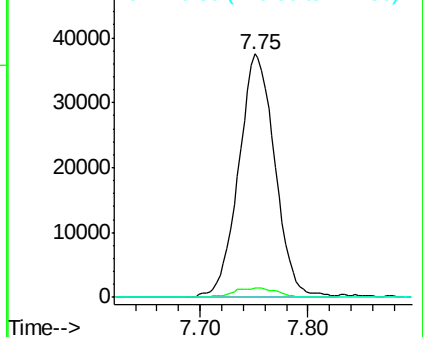
#39
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

Instrument :
MSVOA_N
ClientSampleId :
MW-5-9-15-15

Tgt Ion:117 Resp: 87685
Ion Ratio Lower Upper
117 100
119 3.7 75.3 112.9#
121 0.0 23.8 35.8#

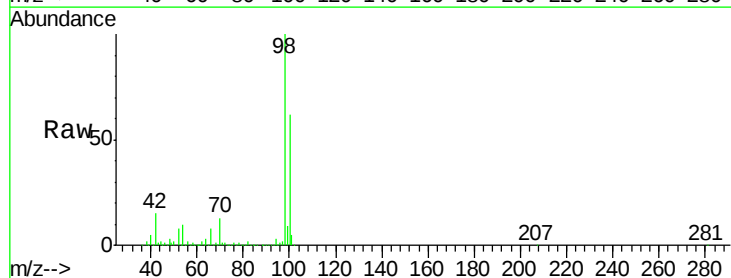


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

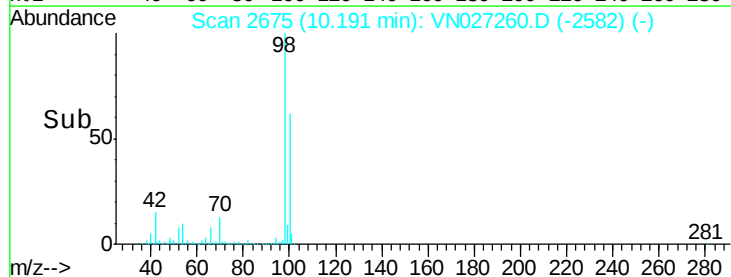
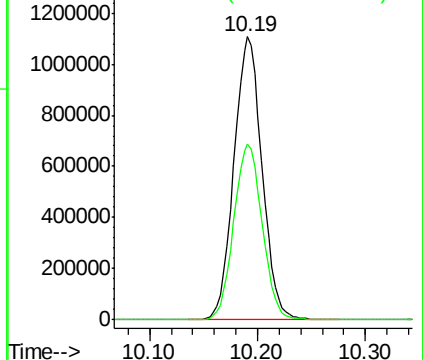


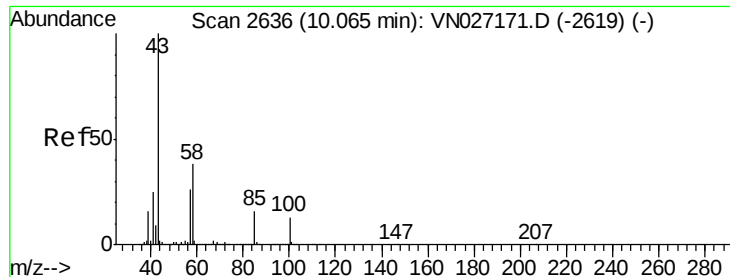
#51
Toluene-d8
Concen: 54.00 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

Tgt Ion: 98 Resp: 2000773
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#52

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 10.08 min Scan# 2639

Delta R.T. 0.01 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampled :

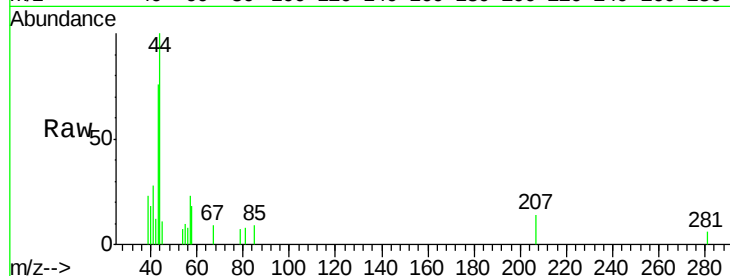
MW-5-9-15-15

Tgt Ion: 43 Resp: 3245

Ion Ratio Lower Upper

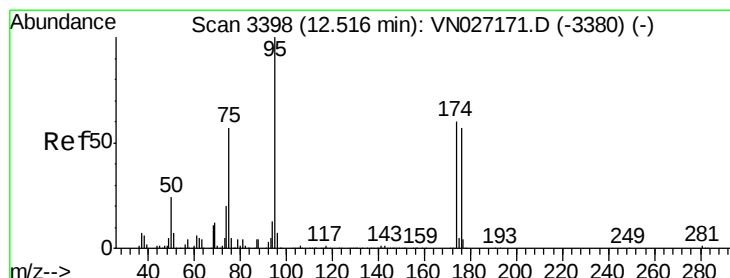
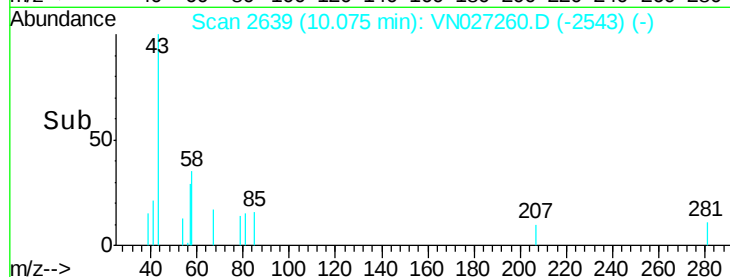
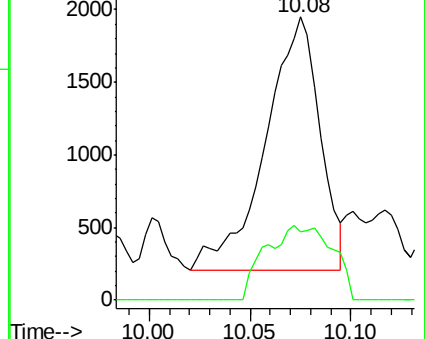
43 100

58 36.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#63

4-Bromofluorobenzene

Concen: 50.25 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

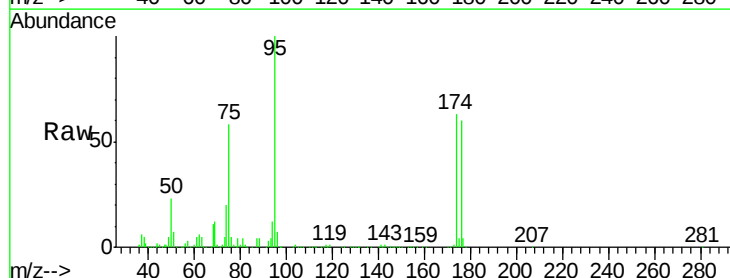
Tgt Ion: 95 Resp: 660888

Ion Ratio Lower Upper

95 100

174 62.9 0.0 137.0

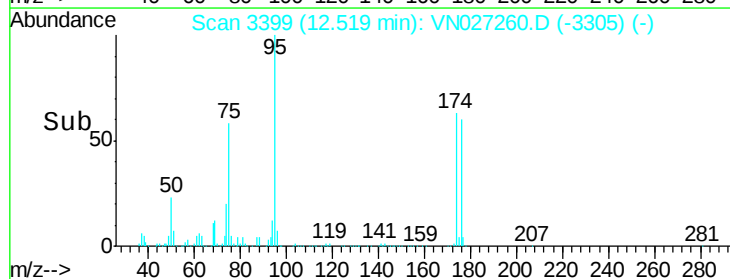
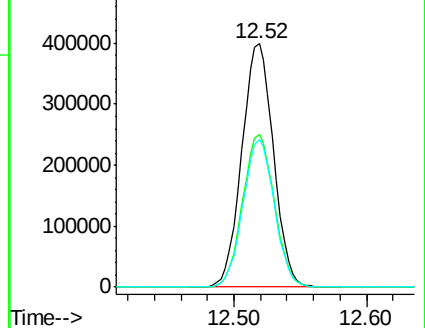
176 60.4 0.0 130.8

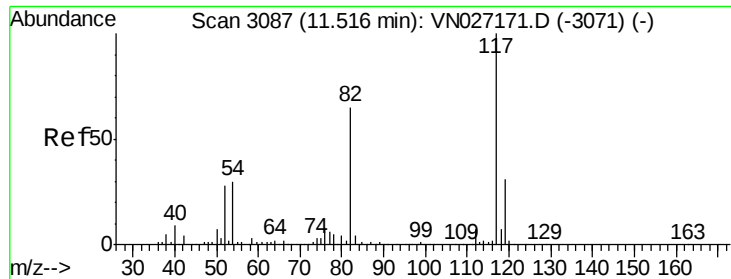


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

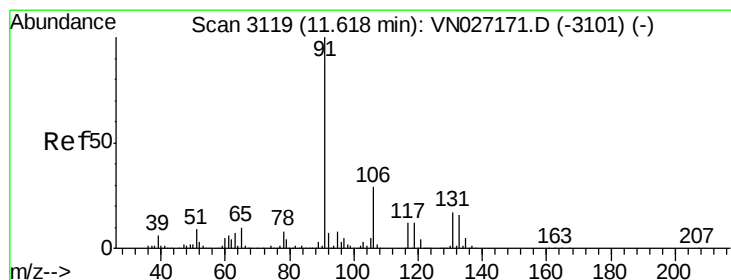
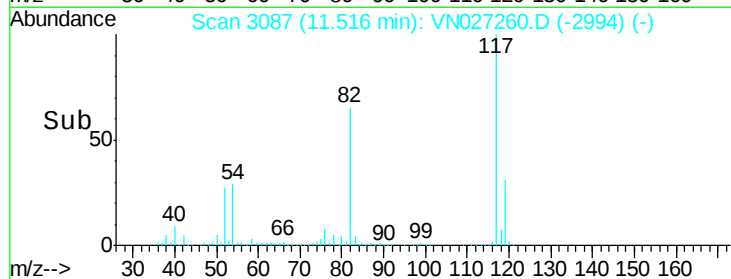
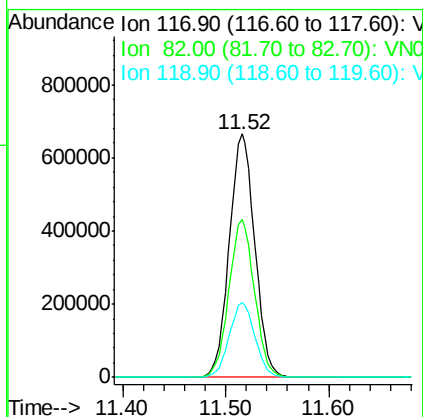
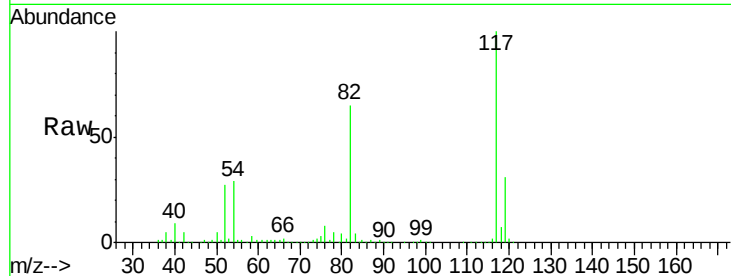




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

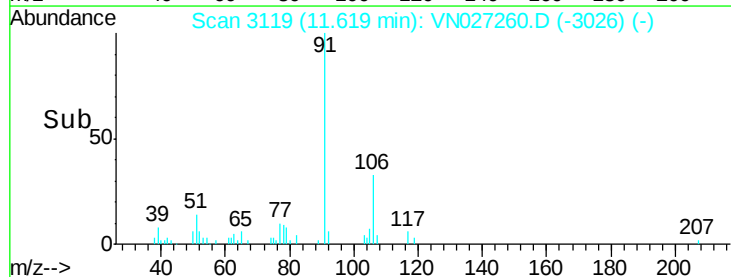
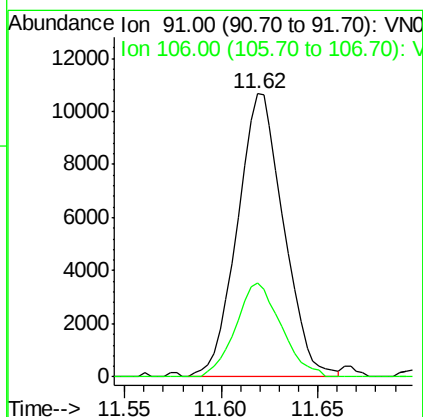
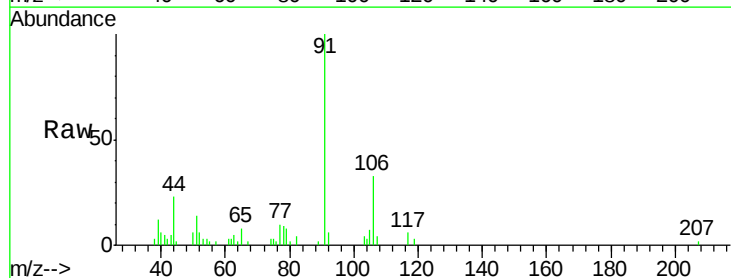
Instrument :
MSVOA_N
ClientSampled :
MW-5-9-15-15

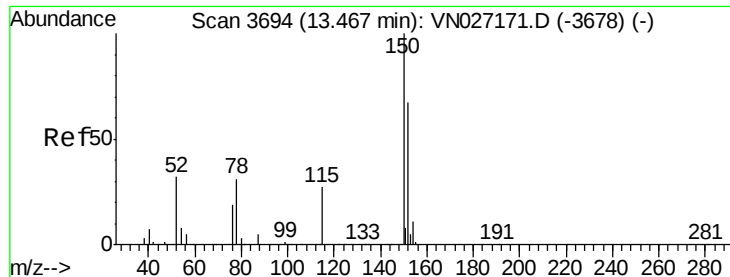
Tgt Ion: 117 Resp: 1145741
Ion Ratio Lower Upper
117 100
82 64.8 49.6 74.4
119 30.8 24.6 36.8



#68
Ethyl Benzene
Concen: 0.35 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027260.D
Acq: 17 Sep 2015 17:31

Tgt Ion: 91 Resp: 17750
Ion Ratio Lower Upper
91 100
106 33.0 23.1 34.7





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampled :

MW-5-9-15-15

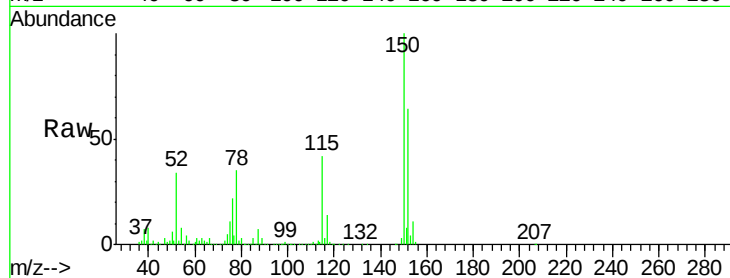
Tgt Ion:152 Resp: 402288

Ion Ratio Lower Upper

152 100

115 67.3 30.8 92.3

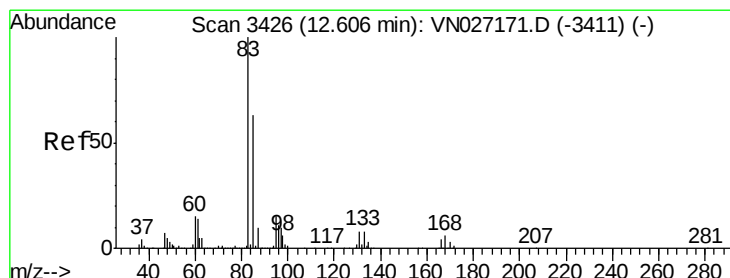
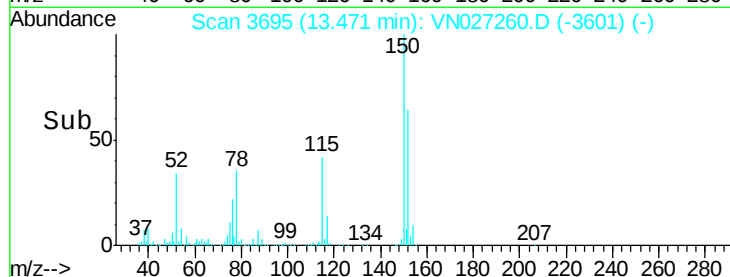
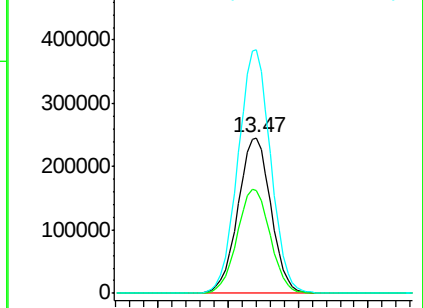
150 155.7 0.0 345.0



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: 12.63 min Scan# 3435

Delta R.T. 0.03 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

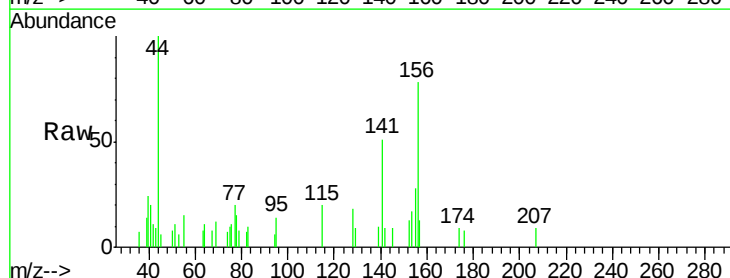
Tgt Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

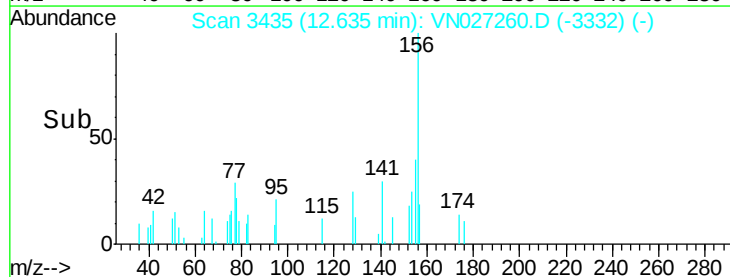
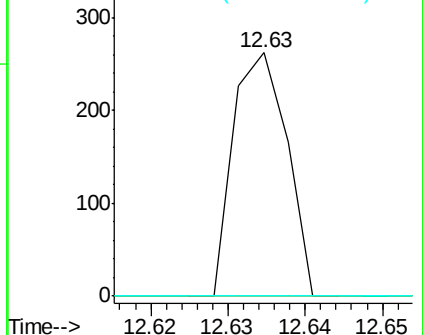
85 0.0 31.9 95.7#

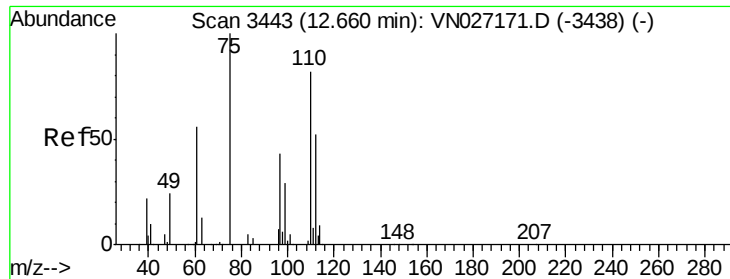


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 31.40 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampled :

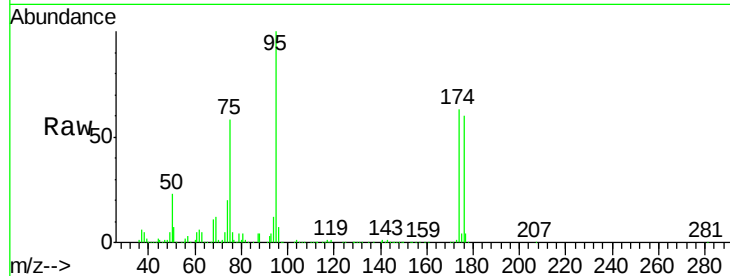
MW-5-9-15-15

Tgt Ion: 75 Resp: 381806

Ion Ratio Lower Upper

75 100

77 1.2 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

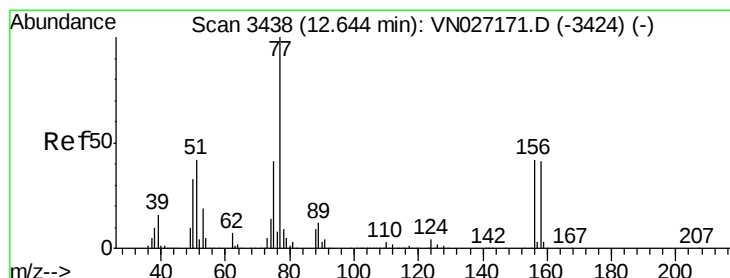
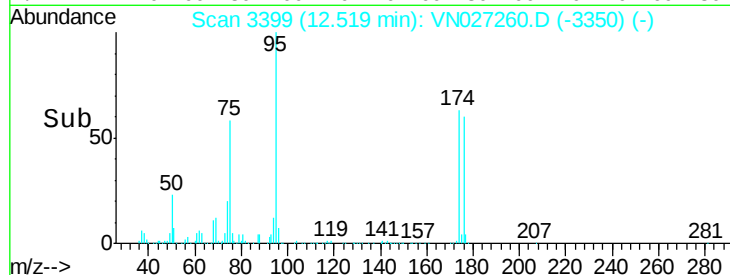
150000

100000

50000

0

Time--> 12.40 12.50 12.60



#78

Bromobenzene

Concen: 0.34 ug/l

RT: 12.66 min Scan# 3444

Delta R.T. 0.02 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

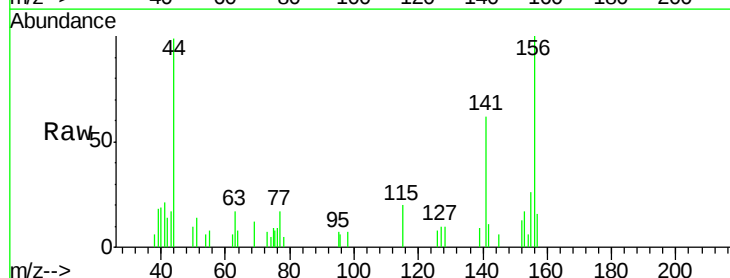
Tgt Ion: 156 Resp: 2953

Ion Ratio Lower Upper

156 100

77 0.0 127.3 381.9#

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

12.66

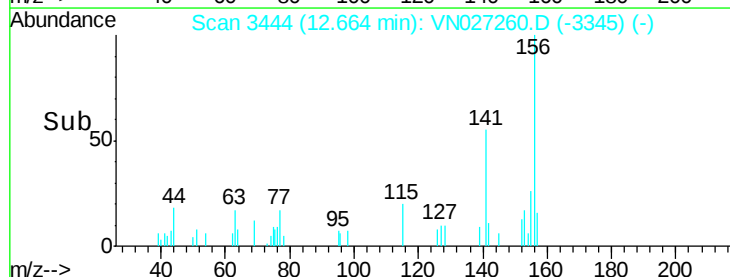
3000

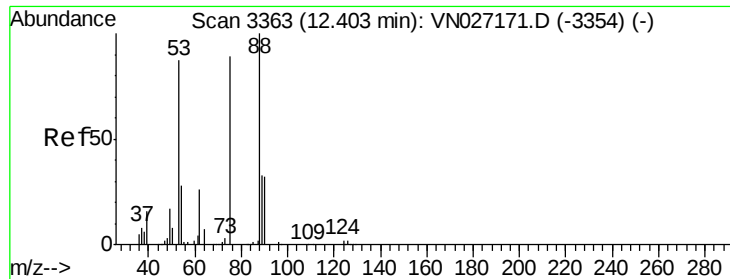
2000

1000

0

Time--> 12.60 12.65





#82

trans-1,4-Dichloro-2-butene

Concen: 77.14 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027260.D

Acq: 17 Sep 2015 17:31

Instrument :

MSVOA_N

ClientSampleId :

MW-5-9-15-15

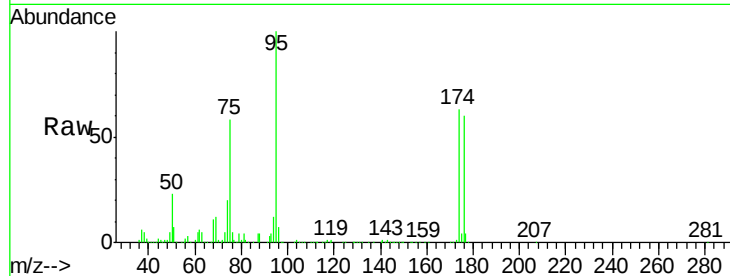
Tgt Ion: 75 Resp: 381806

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

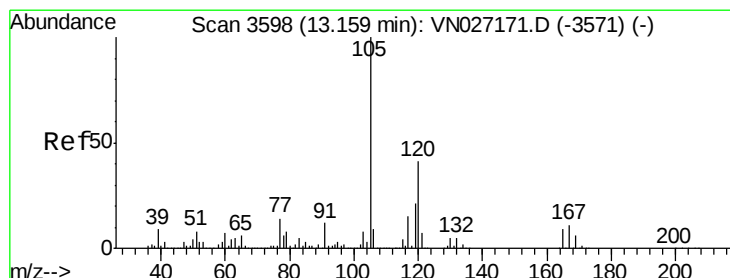
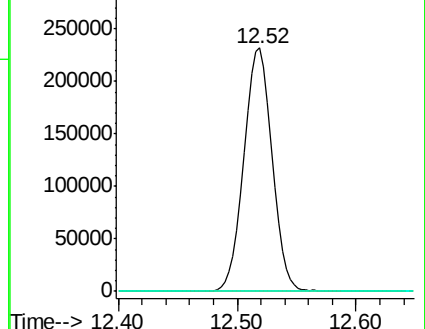
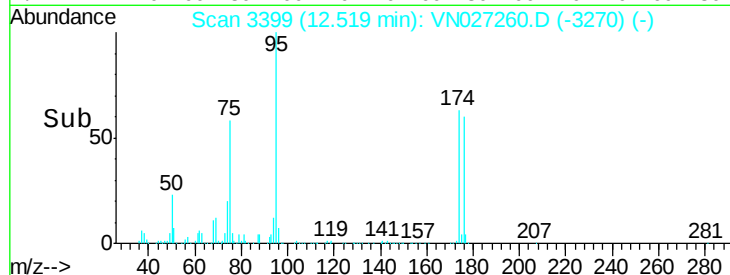
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN027260.D (-3270) (-)

Ion 53.00 (52.70 to 53.70): VN027260.D (-3270) (-)

Ion 88.90 (88.60 to 89.60): VN027260.D (-3270) (-)



#85

1,2,4-Trimethylbenzene

Concen: 0.37 ug/l

RT: 13.16 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN027260.D

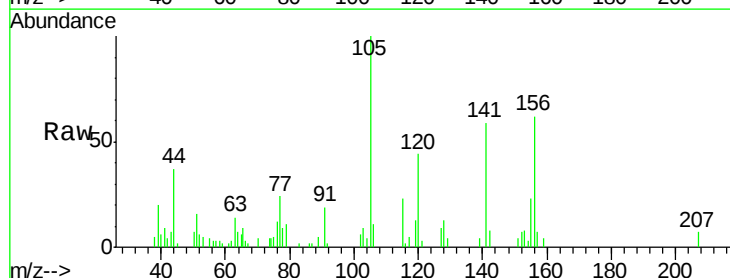
Acq: 17 Sep 2015 17:31

Tgt Ion: 105 Resp: 13214

Ion Ratio Lower Upper

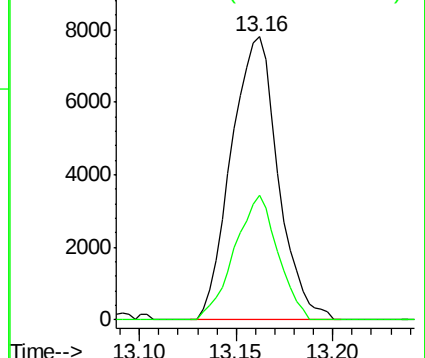
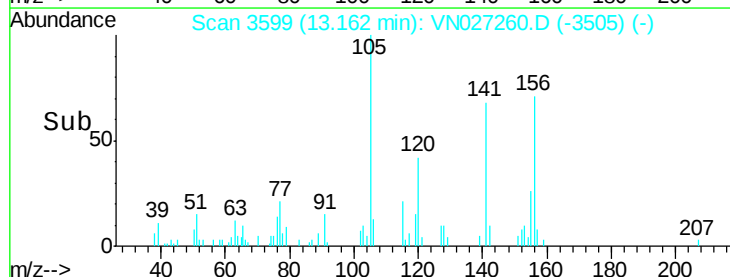
105 100

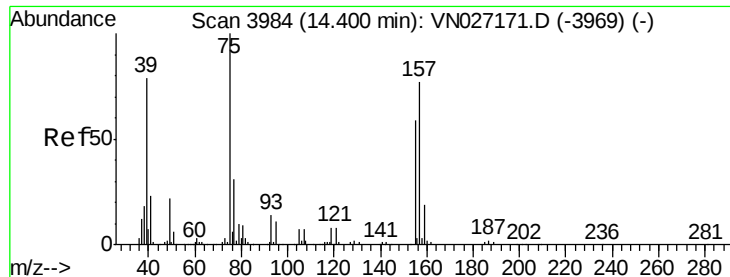
120 40.4 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): VN027260.D (-3505) (-)

Ion 120.00 (119.70 to 120.70): VN027260.D (-3505) (-)

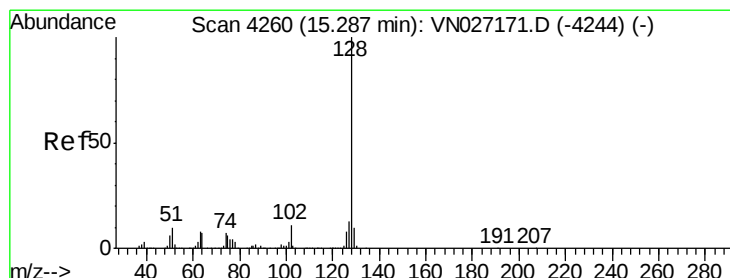
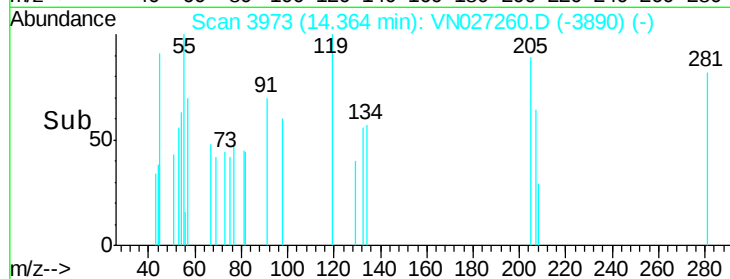
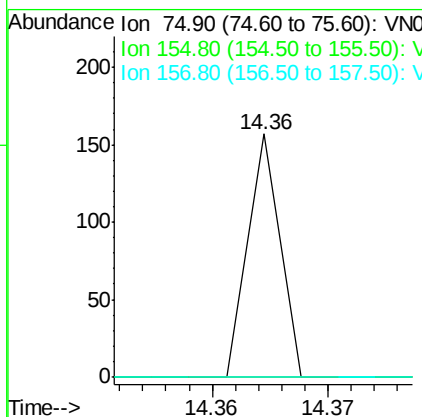
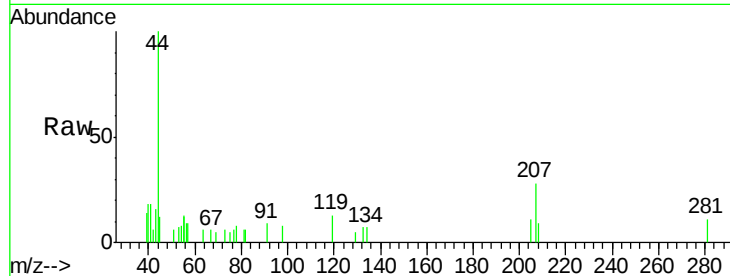




#93
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.36 min Scan# 3973
 Delta R.T. -0.03 min
 Lab File: VN027260.D
 Acq: 17 Sep 2015 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5-9-15-15

Tgt Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.9#
 157 0.0 44.6 133.8#



#96
 Naphthalene
 Concen: 0.26 ug/l
 RT: 15.29 min Scan# 4261
 Delta R.T. 0.00 min
 Lab File: VN027260.D
 Acq: 17 Sep 2015 17:31

Tgt Ion: 128 Resp: 5992
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.4 15.6
 129 7.5 8.6 12.8#

