

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027345.D
 Acq On : 21 Sep 2015 22:49
 Operator : MD\FY
 Sample : VN0921WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL02

Quant Time: Sep 22 03:41:03 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	738082	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1320413	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1112218	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	373551	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	734839	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
36) Dibromofluoromethane	7.68	113	468456	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
51) Toluene-d8	10.19	98	1941078	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
63) 4-Bromofluorobenzene	12.52	95	628355	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

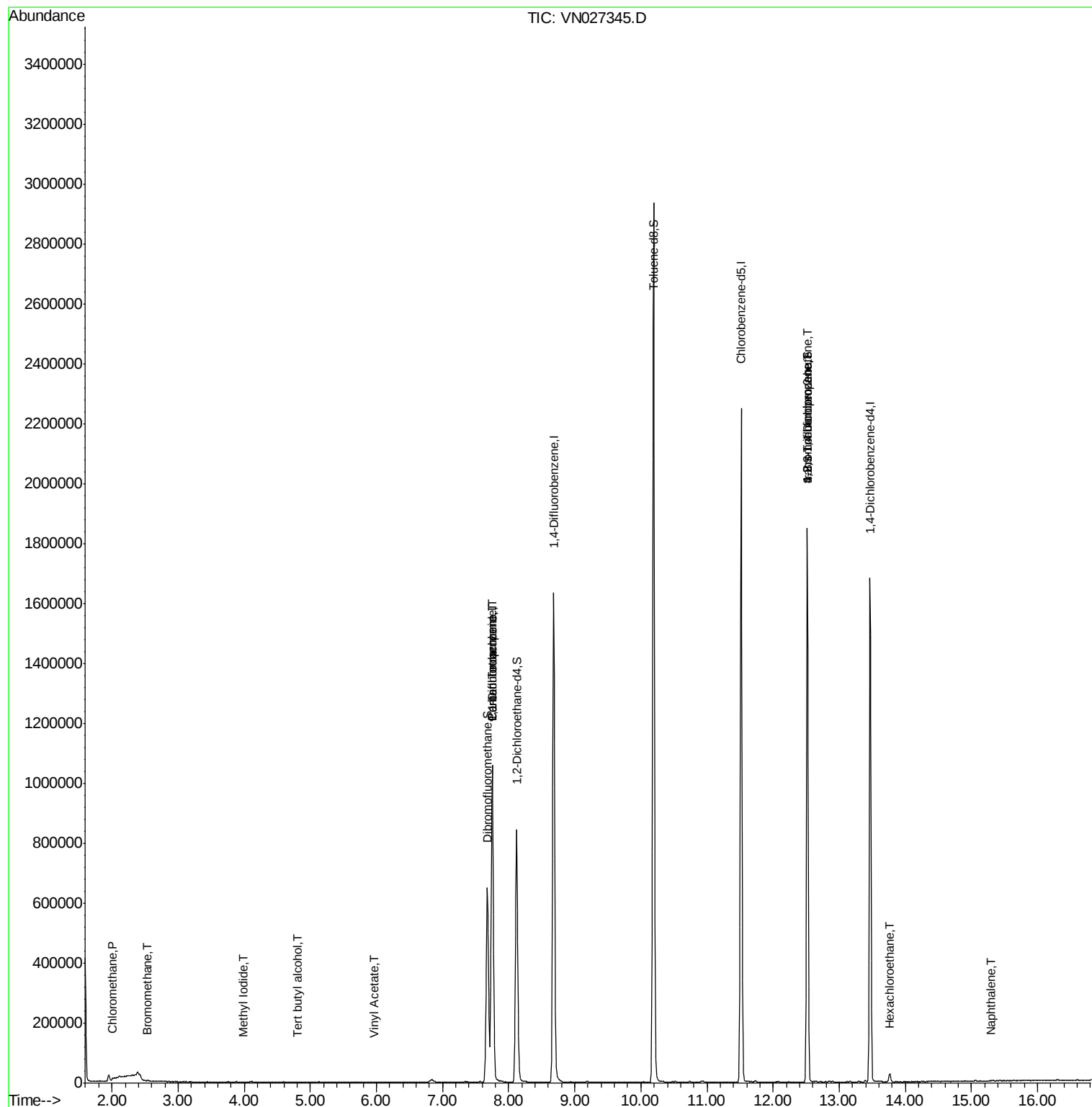
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	1809	0.21	ug/l	95
6) Bromomethane	2.55	94	1381	0.35	ug/l	# 73
11) Methyl Iodide	3.99	142	185	2.41	ug/l	# 43
12) Tert butyl alcohol	4.80	59	253	0.22	ug/l	# 74
24) Vinyl Acetate	5.97	43	187	9.29	ug/l	# 76
32) Cyclohexane	7.76	56	23929	Below Cal		# 1
37) 1,1-Dichloropropene	7.75	75	78899	5.54	ug/l	# 51
39) Carbon Tetrachloride	7.75	117	81764	6.11	ug/l	# 16
77) 1,2,3-Trichloropropane	12.52	75	374636	39.95	ug/l	# 1
82) trans-1,4-Dichloro-2-buten	12.52	75	374636	102.43	ug/l	# 4
91) Hexachloroethane	13.77	117	1351	0.23	ug/l	# 15
96) Naphthalene	15.29	128	1320	3.88	ug/l	# 79

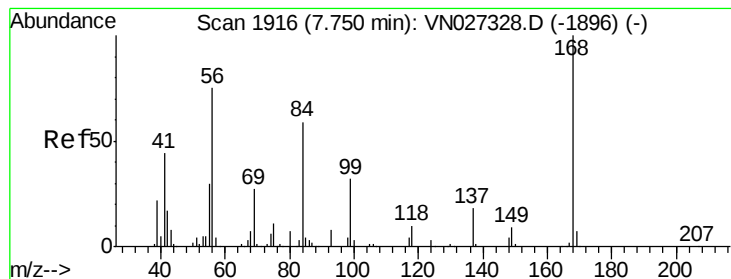
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

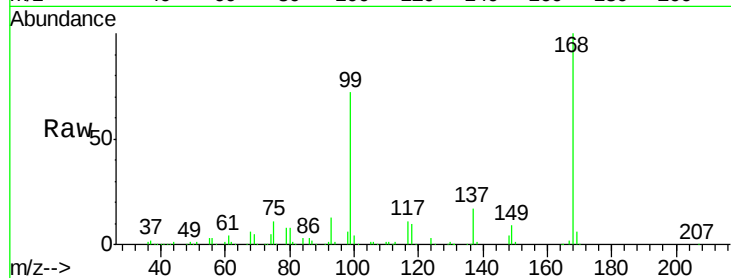
VN0921WBL02

Tgt Ion:168 Resp: 738082

Ion Ratio Lower Upper

168 100

99 72.4 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

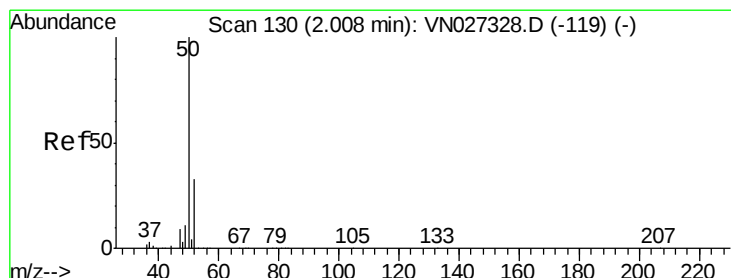
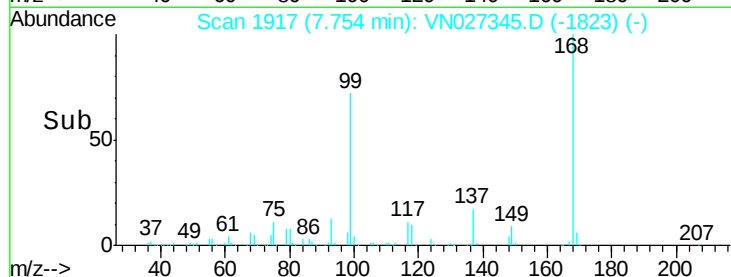
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.21 ug/l

RT: 2.01 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN027345.D

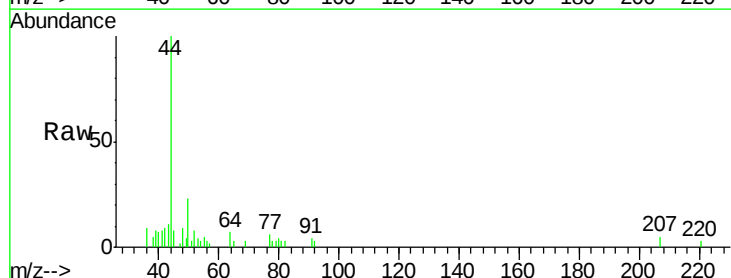
Acq: 21 Sep 2015 22:49

Tgt Ion: 50 Resp: 1809

Ion Ratio Lower Upper

50 100

52 35.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.01

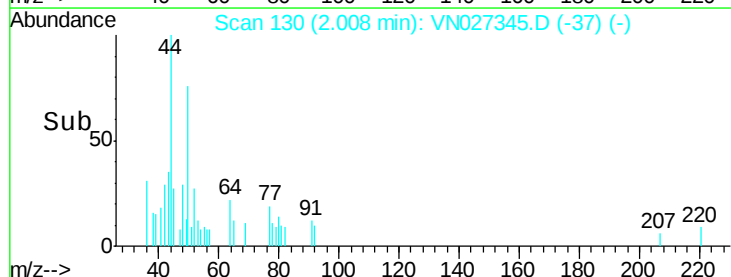
1500

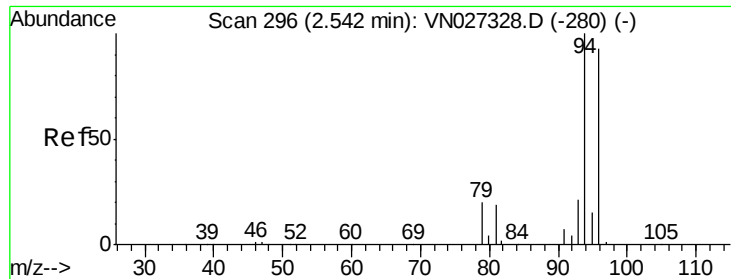
1000

500

0

Time-->





#6

Bromomethane

Concen: 0.35 ug/l

RT: 2.55 min Scan# 298

Delta R.T. 0.01 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

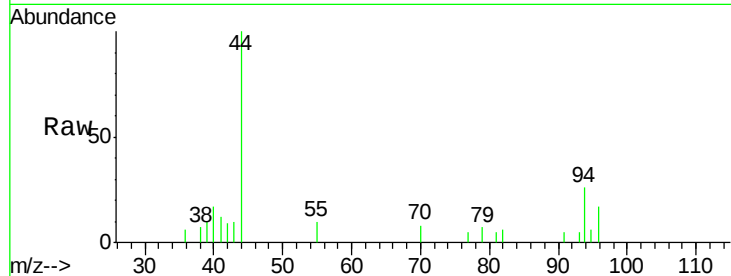
VN0921WBL02

Tgt Ion: 94 Resp: 1381

Ion Ratio Lower Upper

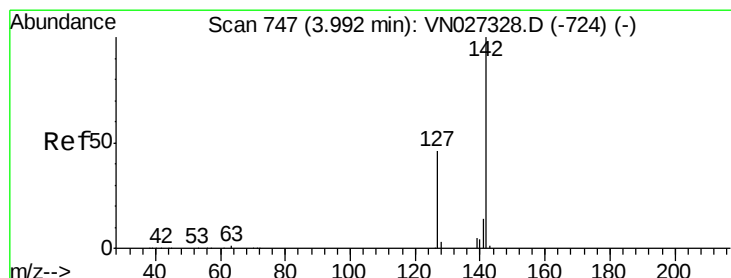
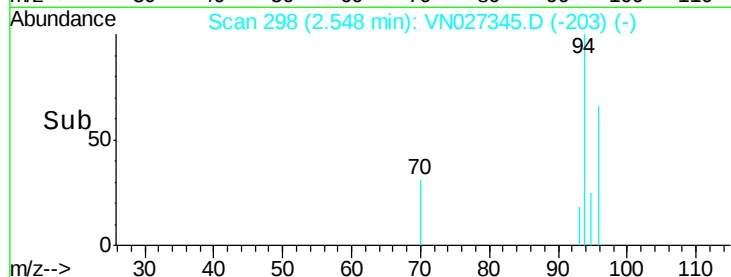
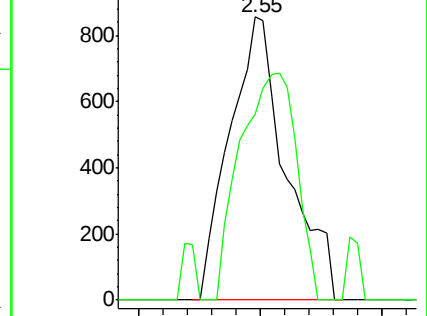
94 100

96 65.8 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Methyl Iodide

Concen: 2.41 ug/l

RT: 3.99 min Scan# 745

Delta R.T. -0.01 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

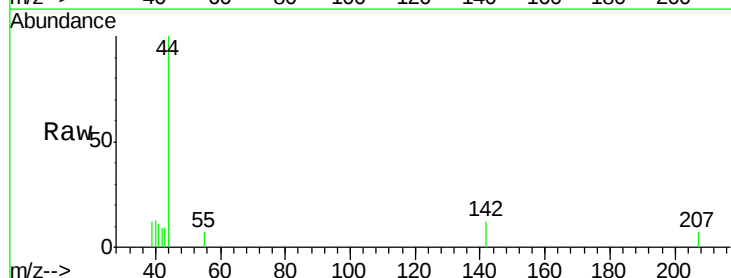
Tgt Ion: 142 Resp: 185

Ion Ratio Lower Upper

142 100

127 0.0 32.3 48.5#

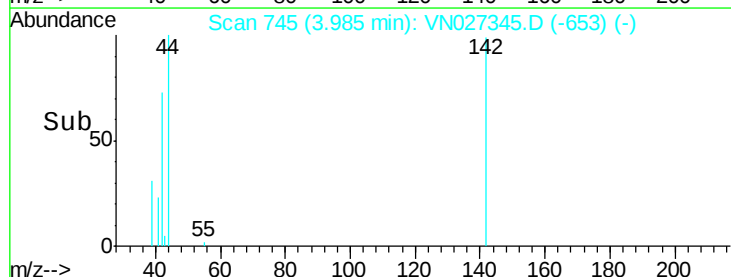
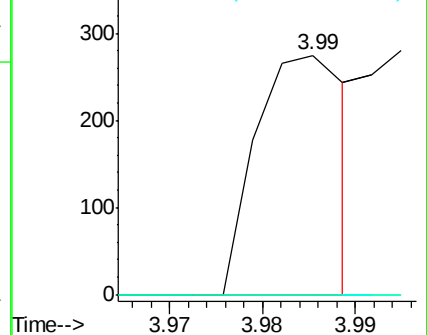
141 0.0 11.2 16.8#

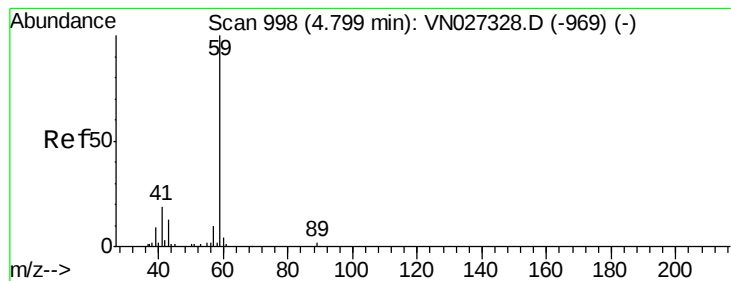


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 4.80 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

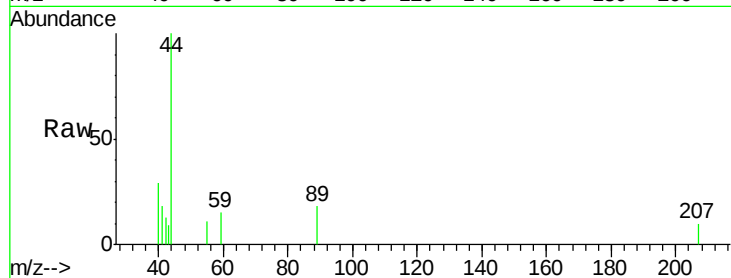
VN0921WBL02

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

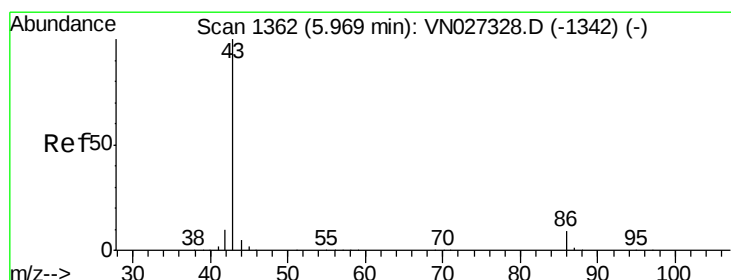
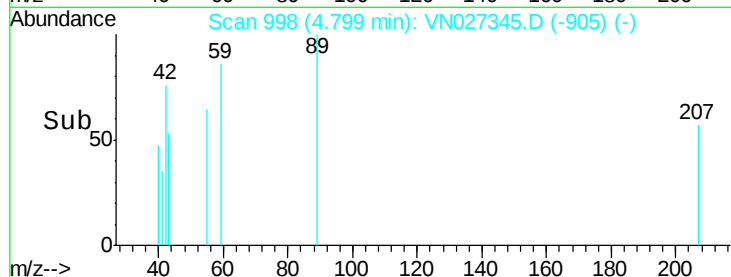
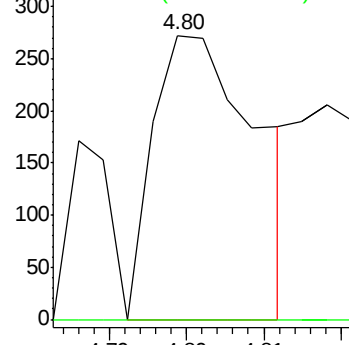
59 100

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



#24

Vinyl Acetate

Concen: 9.29 ug/l

RT: 5.97 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VN027345.D

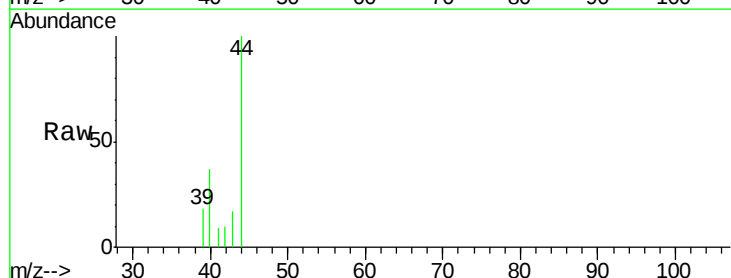
Acq: 21 Sep 2015 22:49

Tgt Ion: 43 Resp: 187

Ion Ratio Lower Upper

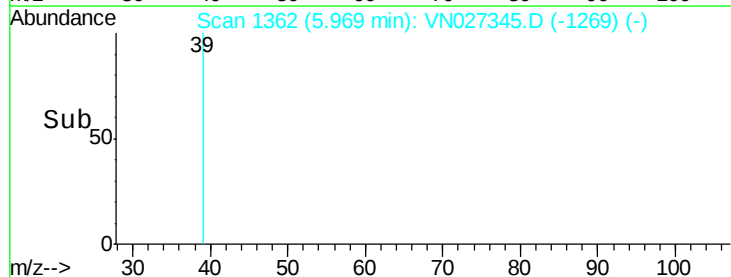
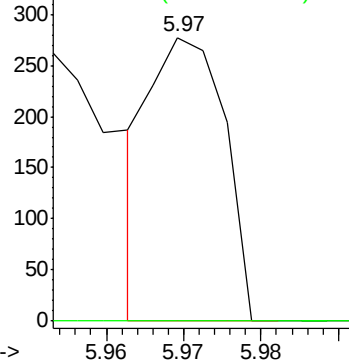
43 100

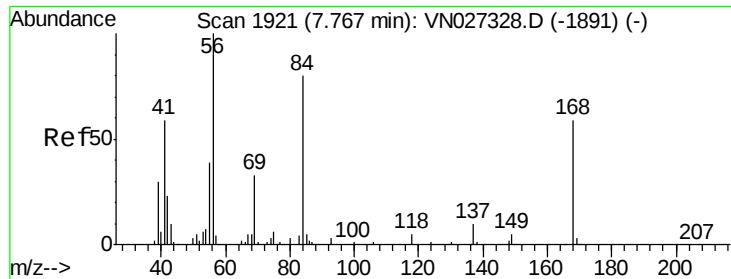
86 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

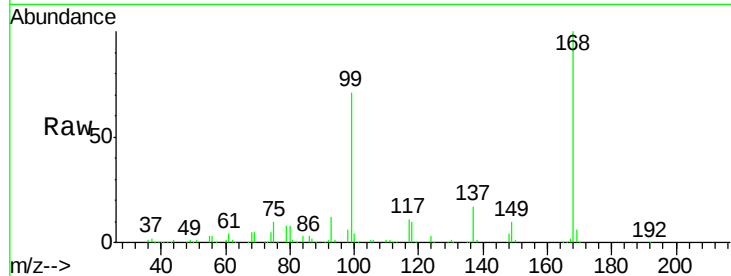




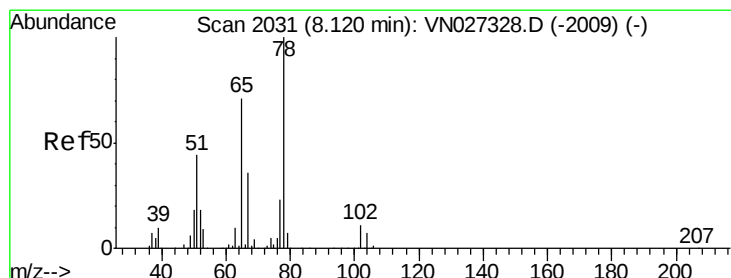
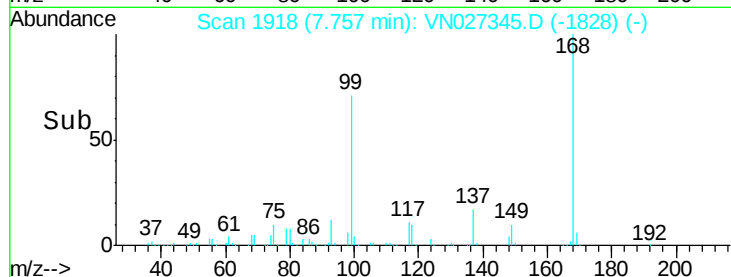
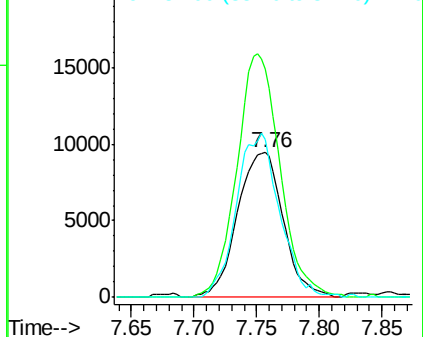
#32
Cyclohexane
Concen: Below Cal
RT: 7.76 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VN027345.D
Acq: 21 Sep 2015 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL02

Tgt Ion: 56 Resp: 23929
Ion Ratio Lower Upper
56 100
69 157.5 23.0 34.4#
84 109.1 57.8 86.8#

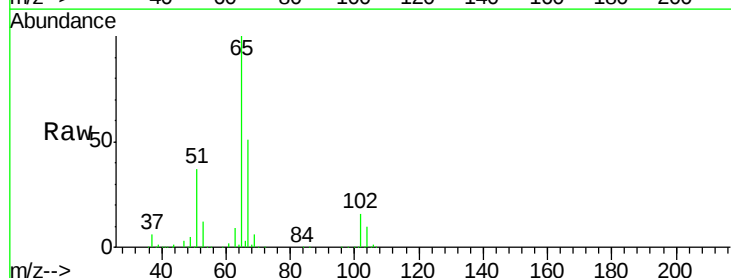


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

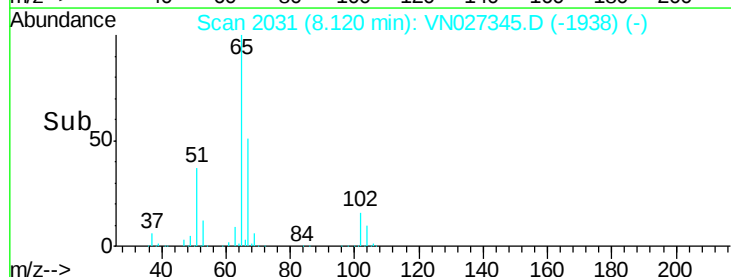
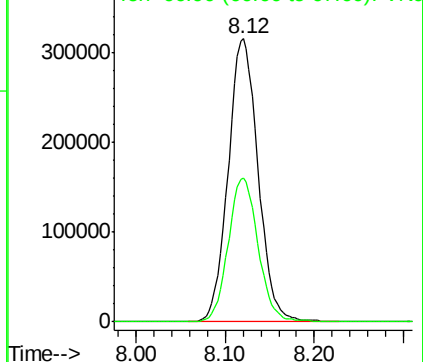


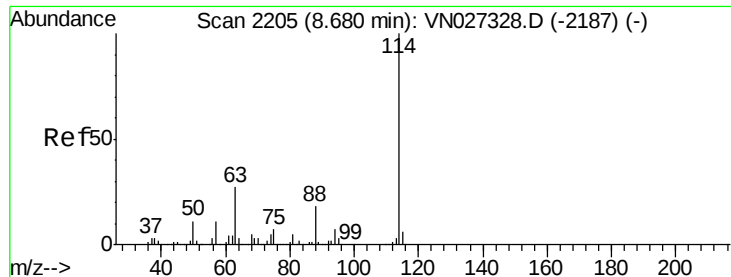
#34
1,2-Dichloroethane-d4
Concen: 50.86 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN027345.D
Acq: 21 Sep 2015 22:49

Tgt Ion: 65 Resp: 734839
Ion Ratio Lower Upper
65 100
67 50.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

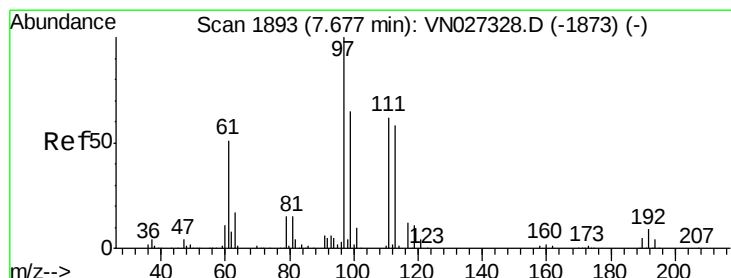
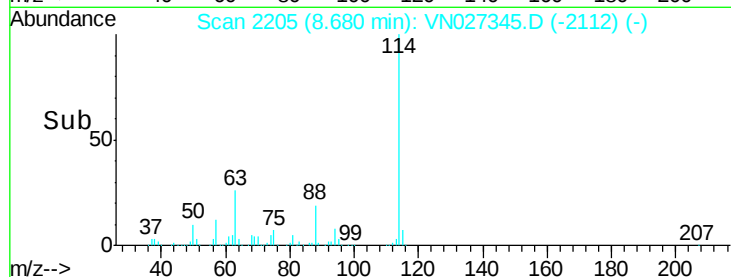
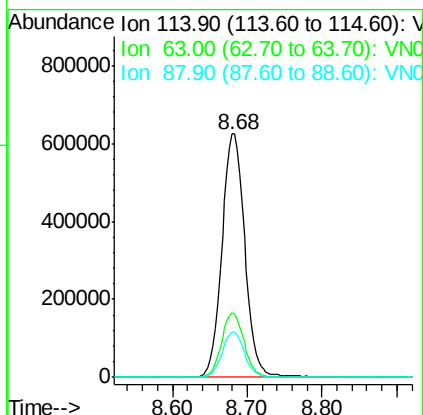
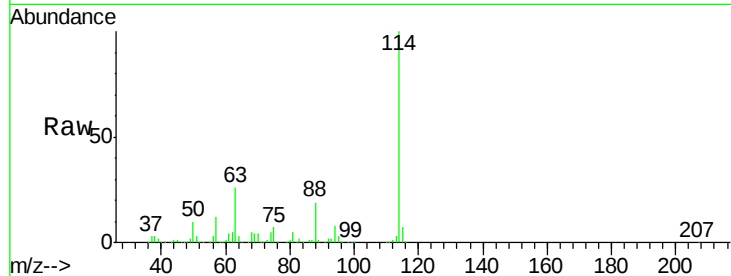




#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027345.D
 Acq: 21 Sep 2015 22:49

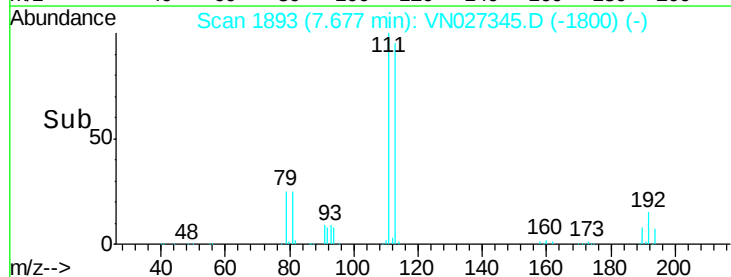
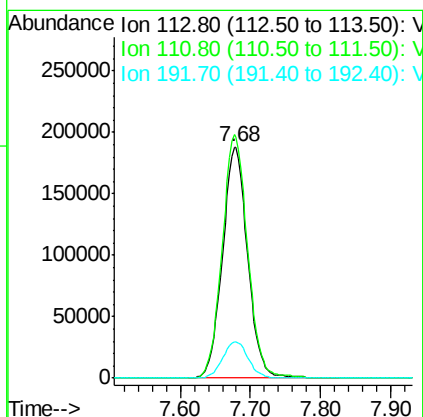
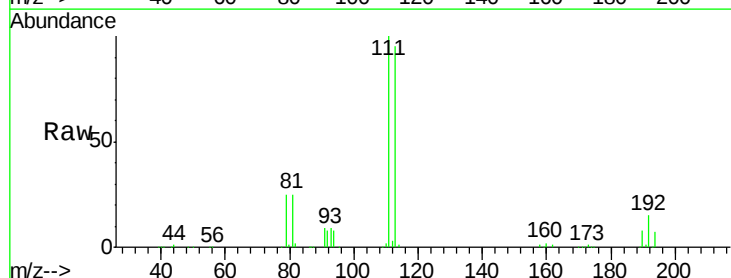
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL02

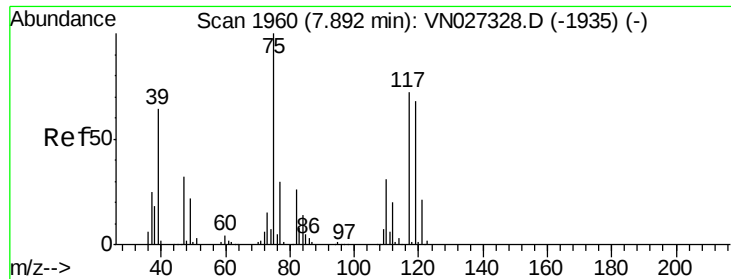
Tgt Ion:114 Resp: 1320413
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 48.8
 88 18.6 0.0 32.2



#36
 Dibromofluoromethane
 Concen: 54.37 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VN027345.D
 Acq: 21 Sep 2015 22:49

Tgt Ion:113 Resp: 468456
 Ion Ratio Lower Upper
 113 100
 111 106.6 83.0 124.4
 192 16.1 14.1 21.1

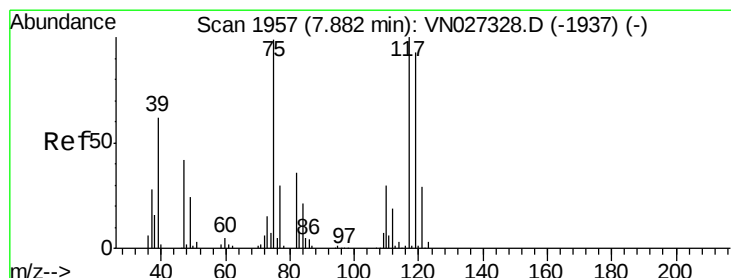
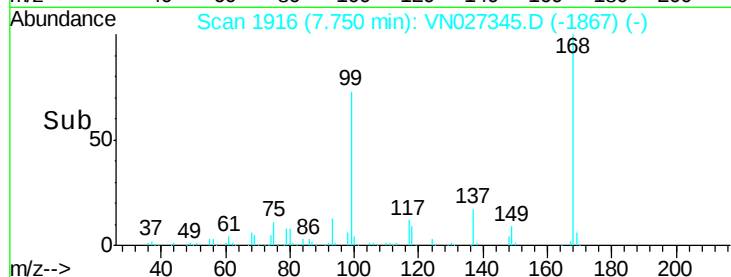
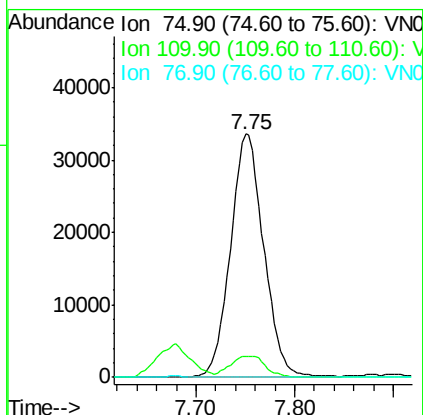
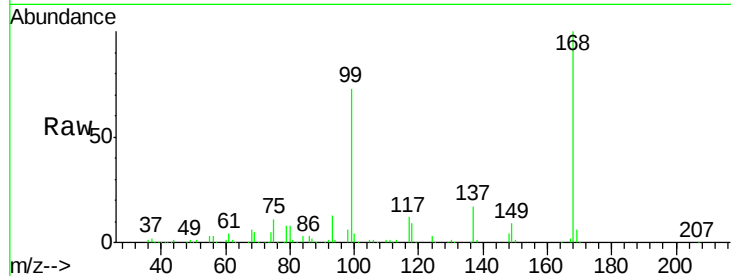




#37
 1,1-Dichloropropene
 Concen: 5.54 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027345.D
 Acq: 21 Sep 2015 22:49

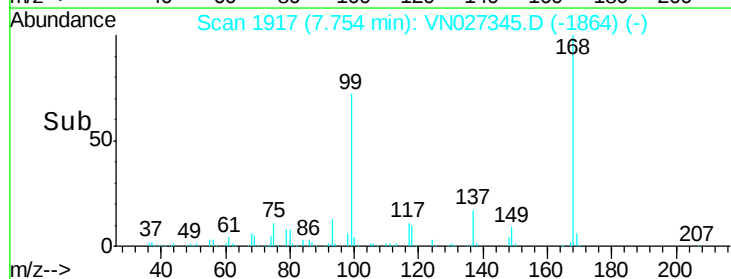
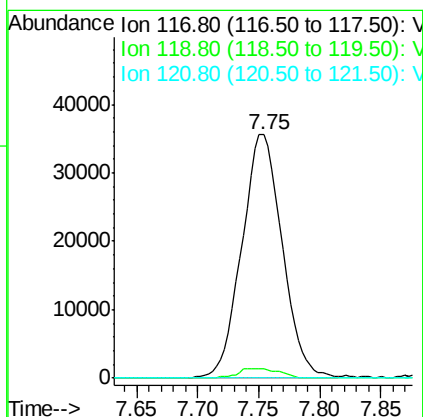
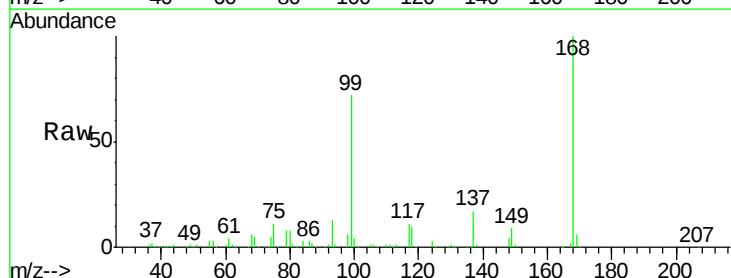
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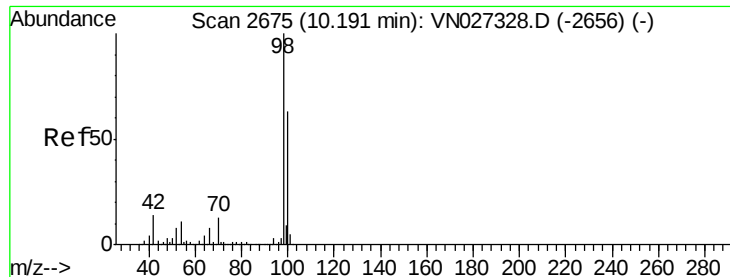
Tgt Ion: 75 Resp: 78899
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.7#
 77 0.0 24.9 37.3#



#39
 Carbon Tetrachloride
 Concen: 6.11 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. -0.13 min
 Lab File: VN027345.D
 Acq: 21 Sep 2015 22:49

Tgt Ion: 117 Resp: 81764
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.3 112.9#
 121 0.0 23.8 35.8#





#51

Toluene-d8

Concen: 58.28 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

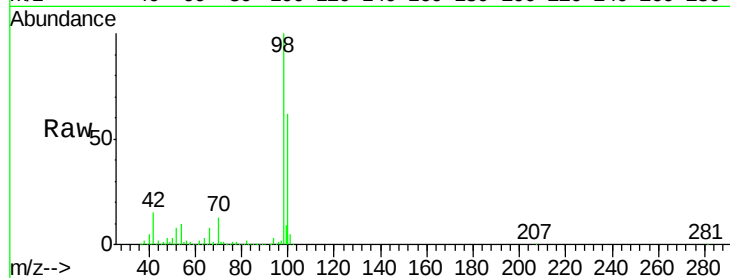
VN0921WBL02

Tgt Ion: 98 Resp: 1941078

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1200000

1000000

800000

600000

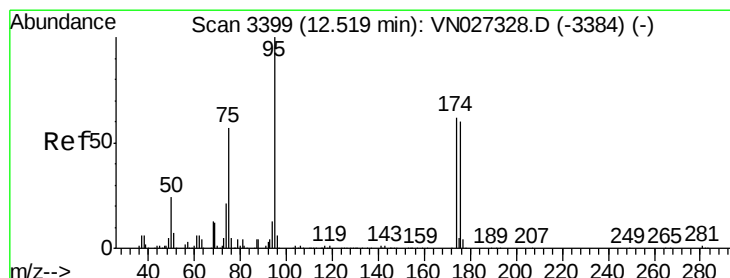
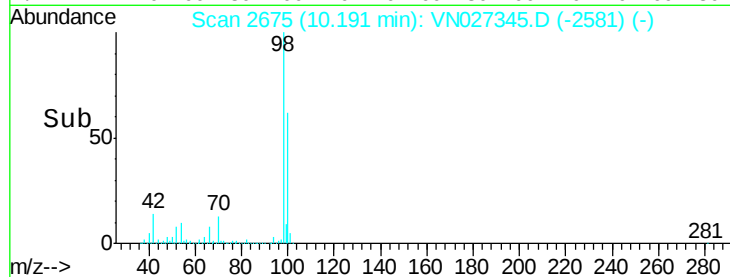
400000

200000

0

10.10 10.20 10.30

Time-->



#63

4-Bromofluorobenzene

Concen: 51.93 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

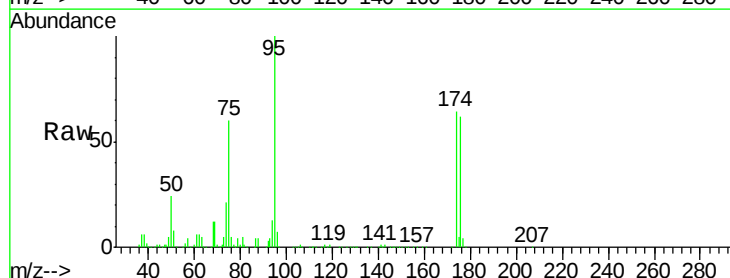
Tgt Ion: 95 Resp: 628355

Ion Ratio Lower Upper

95 100

174 62.4 0.0 137.0

176 61.6 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

500000

400000

300000

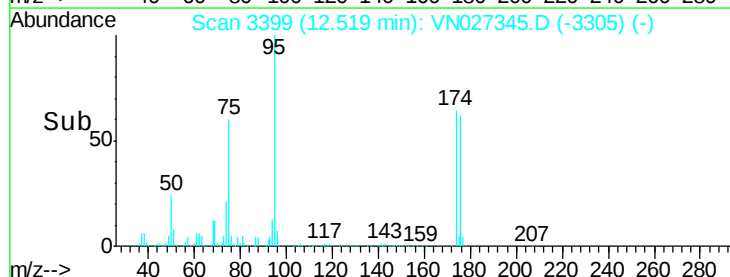
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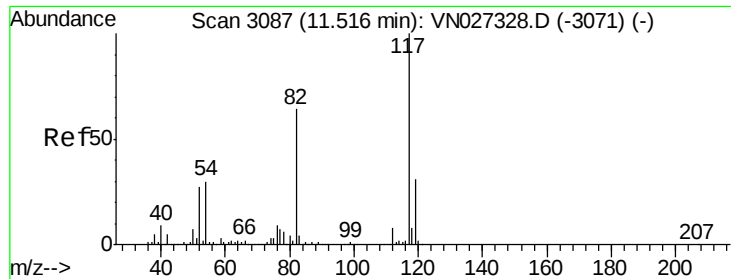
100000

0

12.50 12.60

Time-->





#64

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBL02

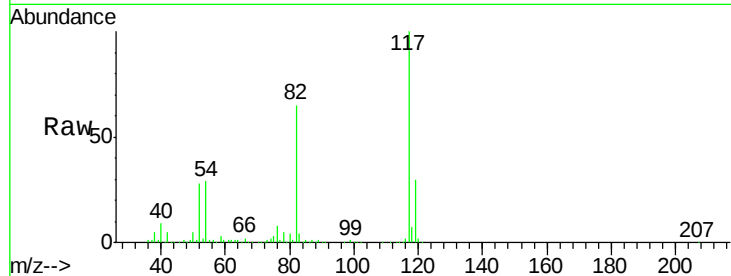
Tgt Ion:117 Resp: 1112218

Ion Ratio Lower Upper

117 100

82 64.9 49.6 74.4

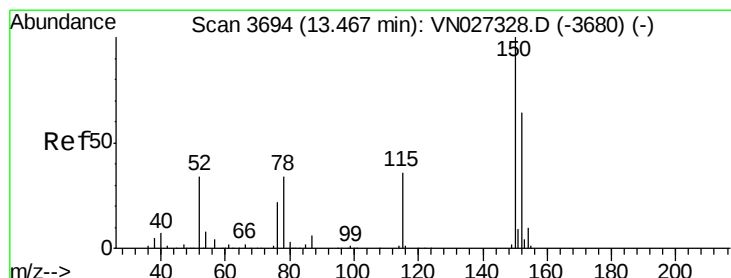
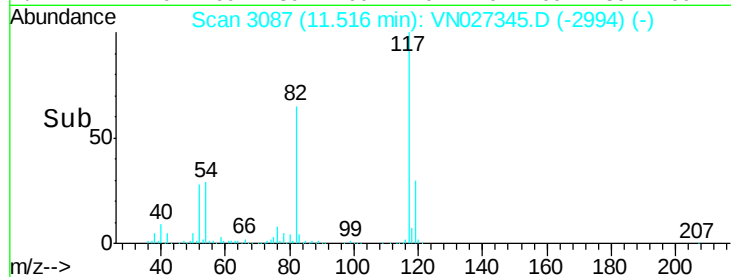
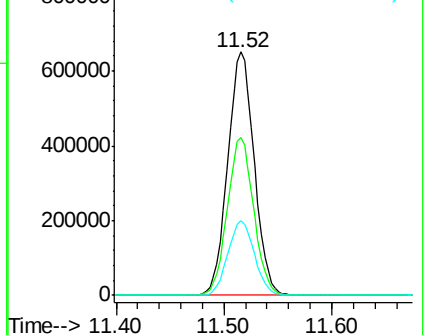
119 30.4 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

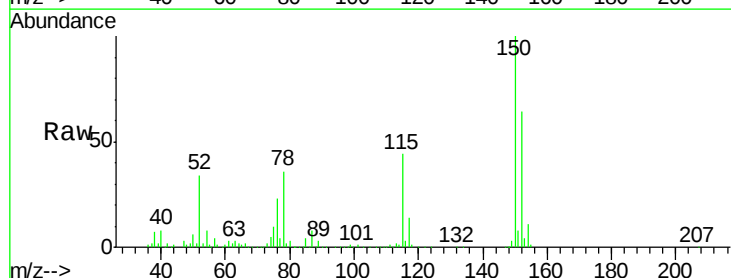
Tgt Ion:152 Resp: 373551

Ion Ratio Lower Upper

152 100

115 69.0 30.8 92.3

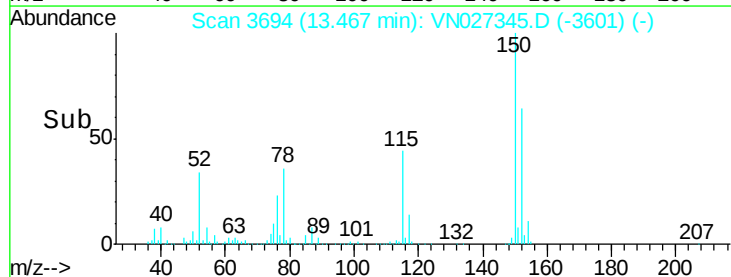
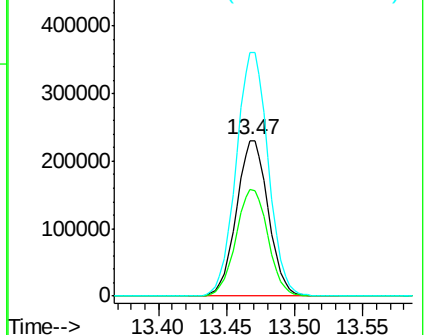
150 158.1 0.0 345.0

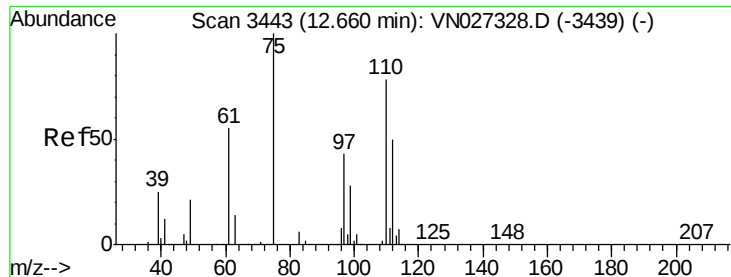


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#77

1,2,3-Trichloropropane

Concen: 39.95 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.14 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

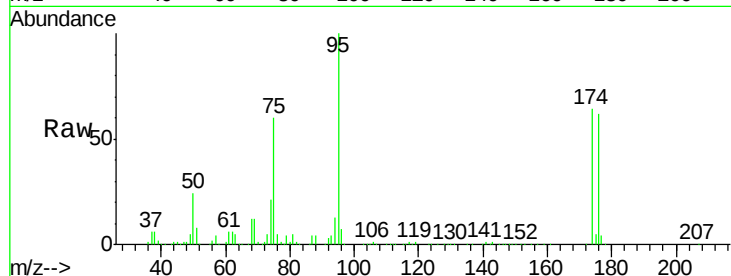
VN0921WBL02

Tgt Ion: 75 Resp: 374636

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

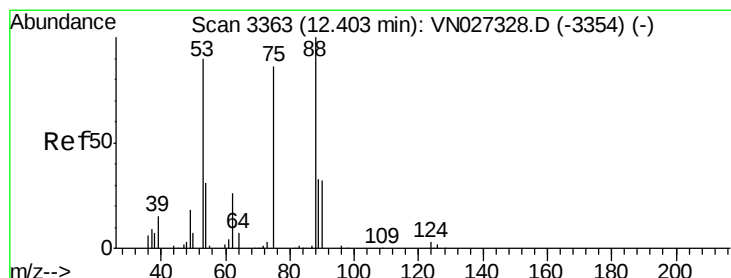
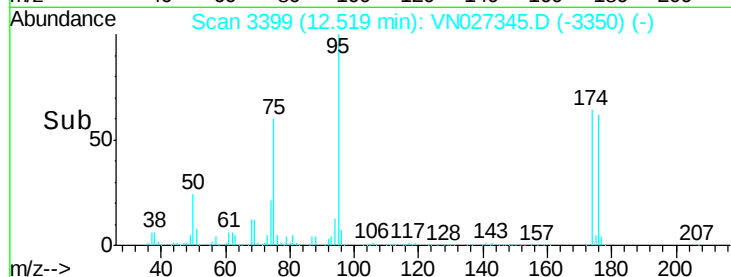
100000

50000

0

Time-->

12.50 12.60



#82

trans-1,4-Dichloro-2-butene

Concen: 102.43 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. 0.12 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

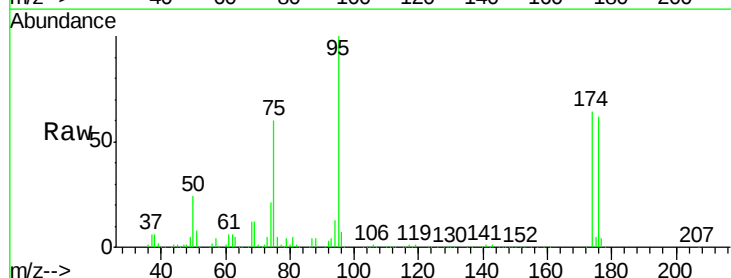
Tgt Ion: 75 Resp: 374636

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

300000

250000

200000

150000

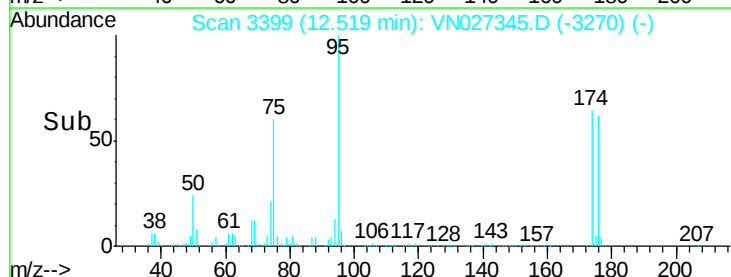
100000

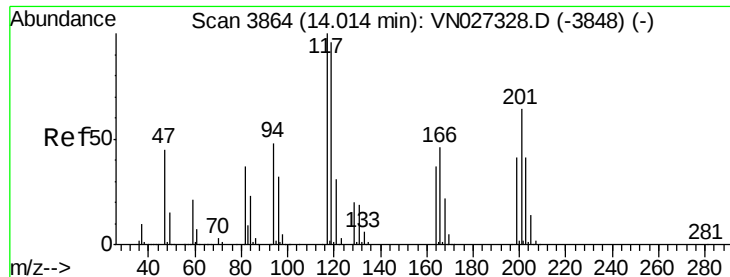
50000

0

Time-->

12.50 12.60





#91

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.77 min Scan# 3787

Delta R.T. -0.25 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

Instrument :

MSVOA_N

ClientSampleId :

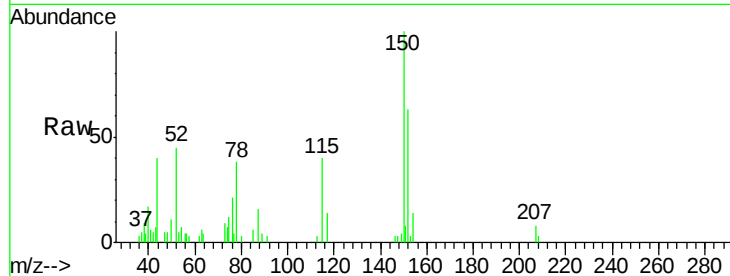
VN0921WBL02

Tgt Ion:117 Resp: 1351

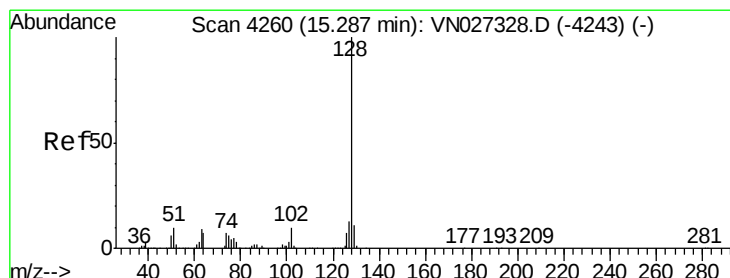
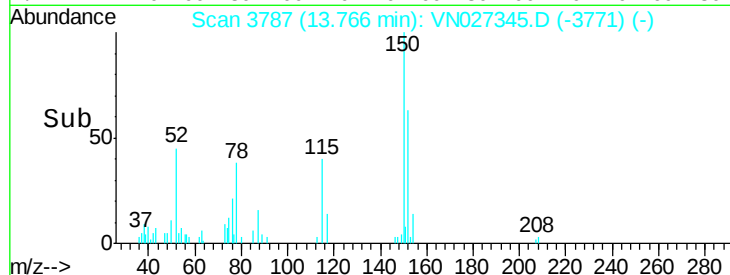
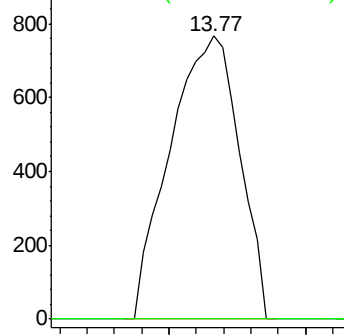
Ion Ratio Lower Upper

117 100

201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): V



#96

Naphthalene

Concen: 3.88 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027345.D

Acq: 21 Sep 2015 22:49

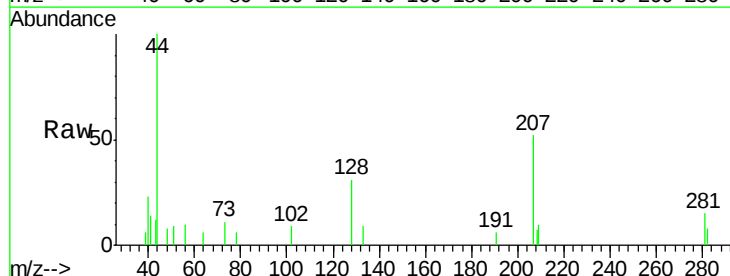
Tgt Ion:128 Resp: 1320

Ion Ratio Lower Upper

128 100

127 5.3 10.4 15.6#

129 2.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

