

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027332.D
 Acq On : 21 Sep 2015 14:41
 Operator : MD\FY
 Sample : VN0921WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL01

Quant Time: Sep 22 01:29:05 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	527320	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1057242	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1008190	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	363106	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	503955	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
36) Dibromofluoromethane	7.68	113	330403	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
51) Toluene-d8	10.19	98	1385730	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
63) 4-Bromofluorobenzene	12.52	95	539780	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	

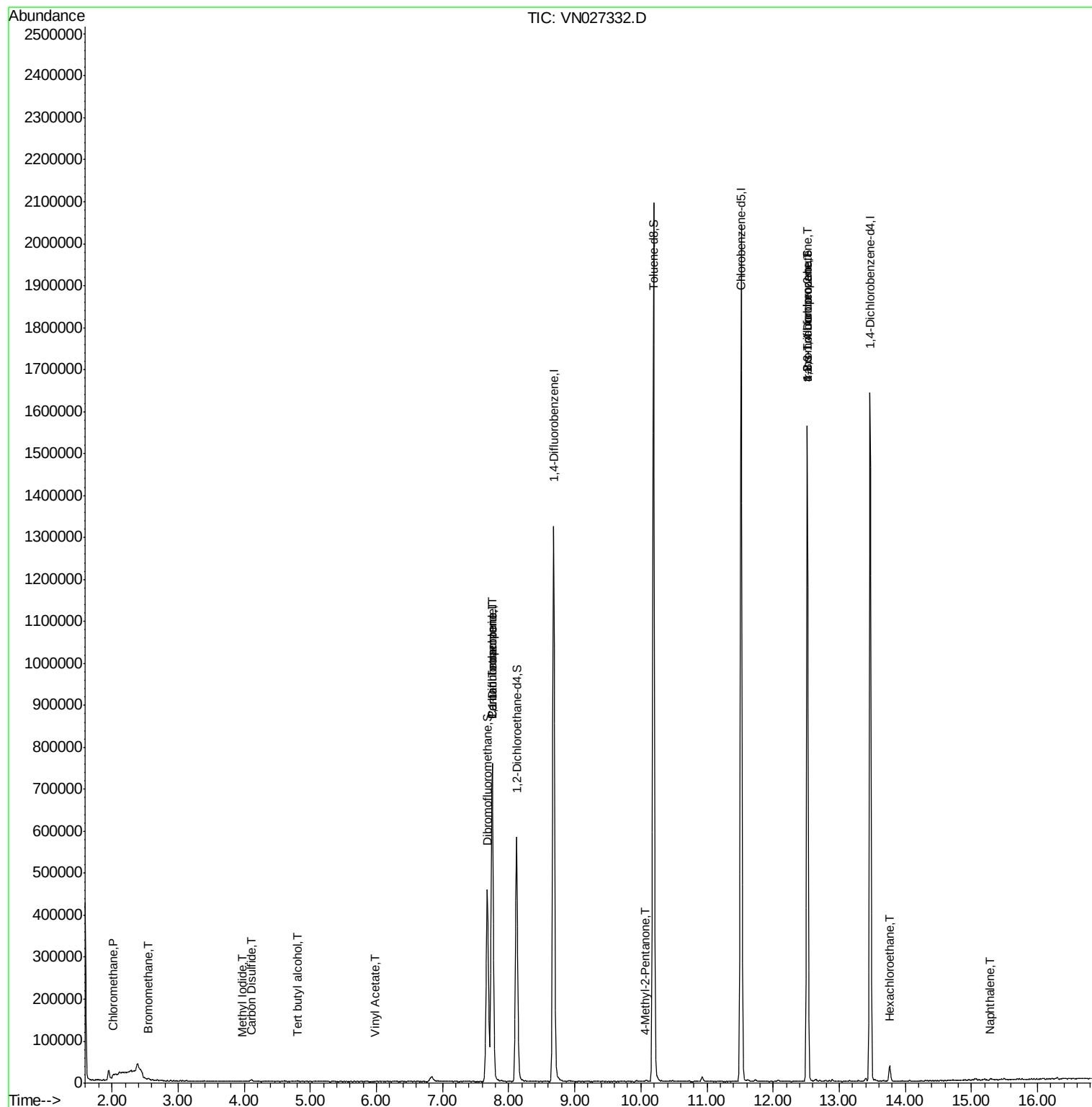
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2128	0.34	ug/l #	74
6) Bromomethane	2.54	94	631	0.22	ug/l	98
11) Methyl Iodide	3.98	142	343	2.45	ug/l #	78
12) Tert butyl alcohol	4.81	59	949	1.15	ug/l #	74
18) Carbon Disulfide	4.11	76	6553	0.36	ug/l #	79
24) Vinyl Acetate	5.99	43	153	9.30	ug/l #	76
32) Cyclohexane	7.75	56	17209	Below Cal	#	1
37) 1,1-Dichloropropene	7.75	75	55706	4.89	ug/l #	51
39) Carbon Tetrachloride	7.75	117	59564	5.55	ug/l #	16
52) 4-Methyl-2-Pentanone	10.07	43	2068	0.24	ug/l #	81
77) 1,2,3-Trichloropropane	12.52	75	309147	33.91	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	309147	86.96	ug/l #	4
91) Hexachloroethane	13.76	117	1857	0.33	ug/l #	15
96) Naphthalene	15.29	128	2701	3.94	ug/l #	75

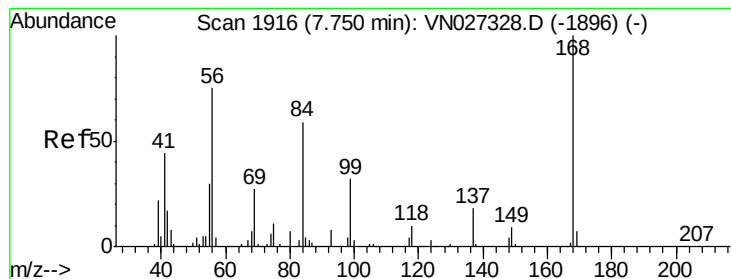
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampleId :

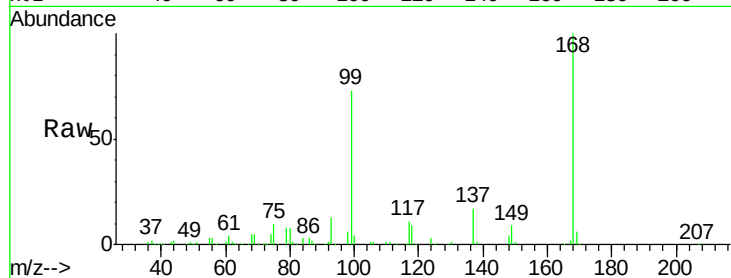
VN0921WBL01

Tgt Ion:168 Resp: 527320

Ion Ratio Lower Upper

168 100

99 73.5 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

250000

200000

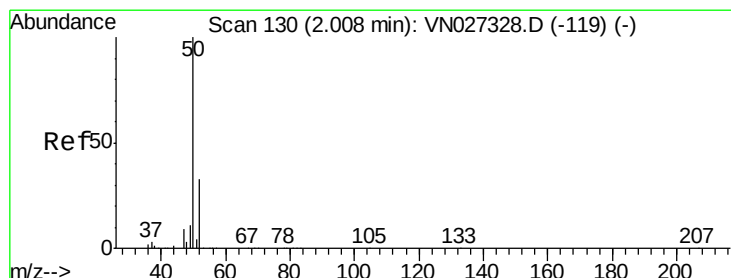
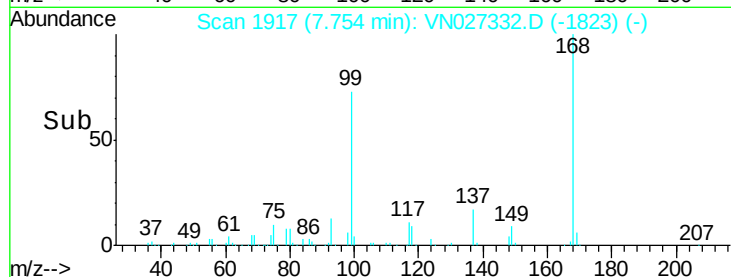
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 0.34 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027332.D

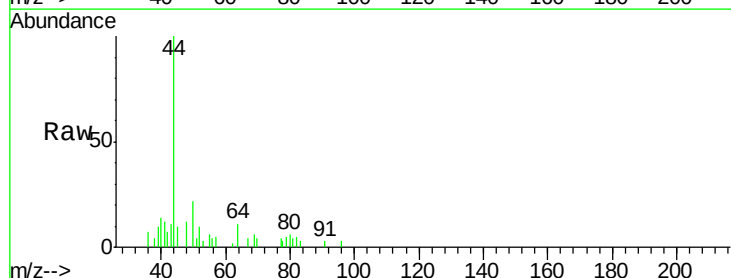
Acq: 21 Sep 2015 14:41

Tgt Ion: 50 Resp: 2128

Ion Ratio Lower Upper

50 100

52 46.8 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

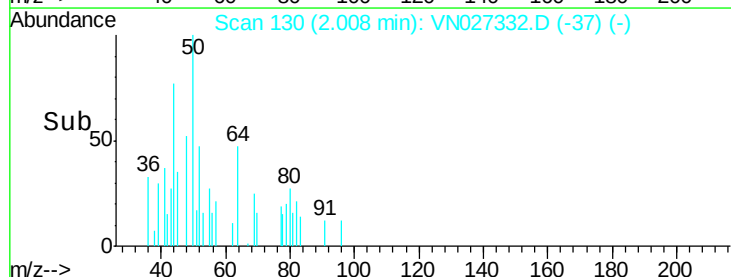
1500

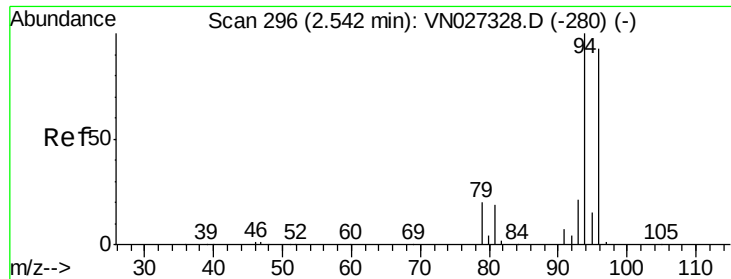
1000

500

0

Time-->





#6

Bromomethane

Concen: 0.22 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampleId :

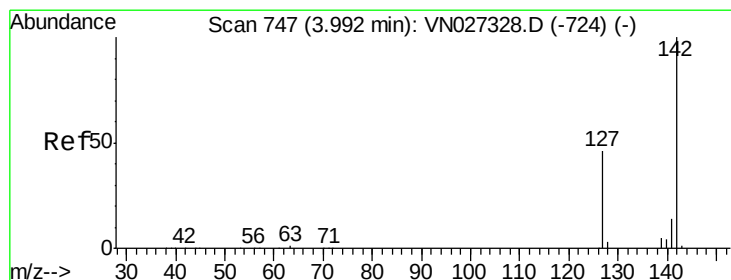
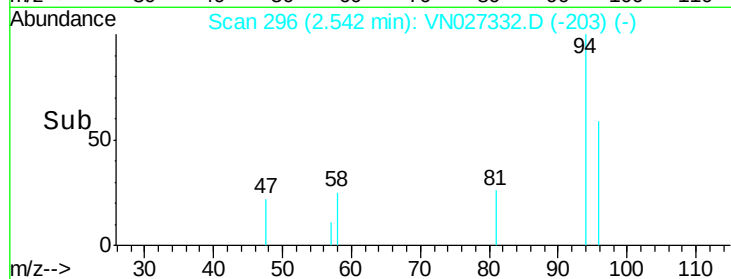
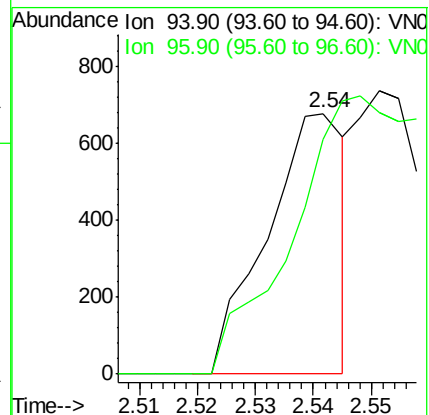
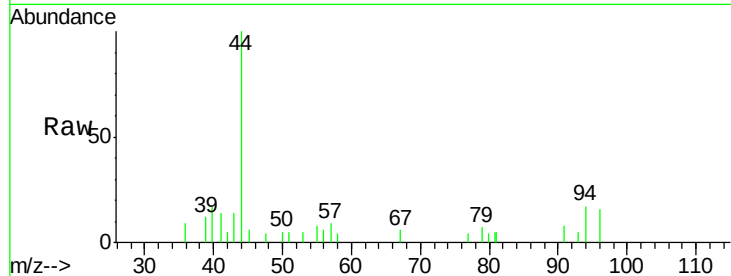
VN0921WBL01

Tgt Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 90.0 73.4 110.2



#11

Methyl Iodide

Concen: 2.45 ug/l

RT: 3.98 min Scan# 742

Delta R.T. -0.02 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

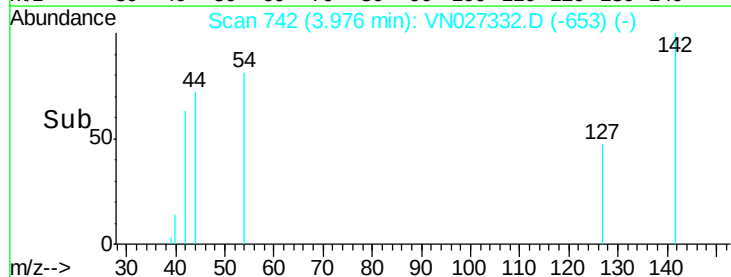
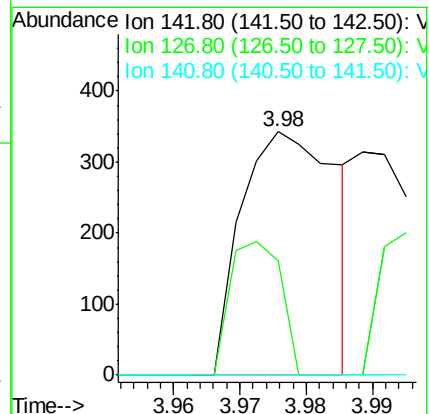
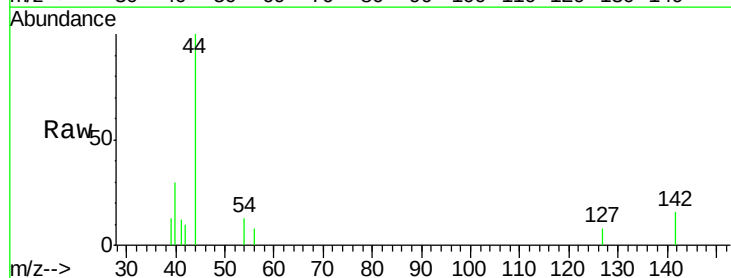
Tgt Ion: 142 Resp: 343

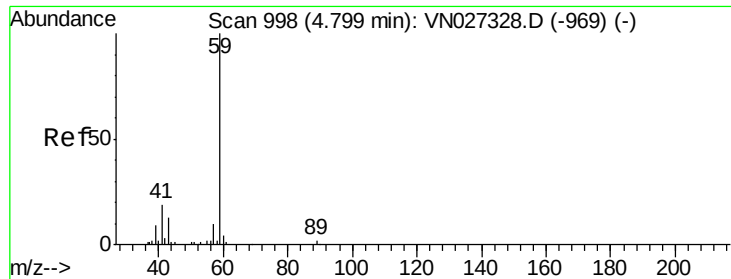
Ion Ratio Lower Upper

142 100

127 29.4 32.3 48.5#

141 0.0 11.2 16.8#





#12

Tert butyl alcohol

Concen: 1.15 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampleId :

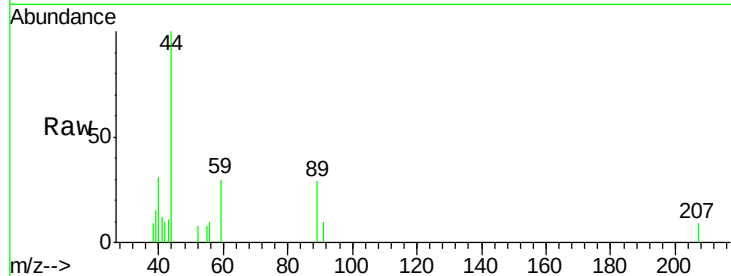
VN0921WBL01

Tgt Ion: 59 Resp: 949

Ion Ratio Lower Upper

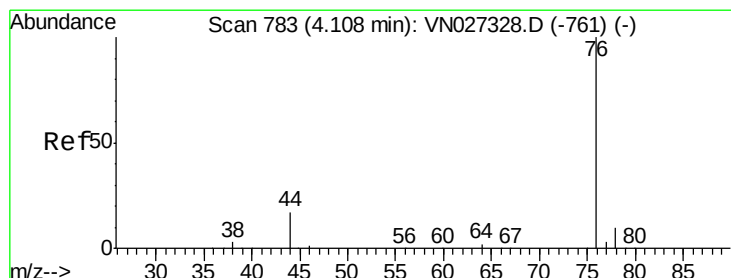
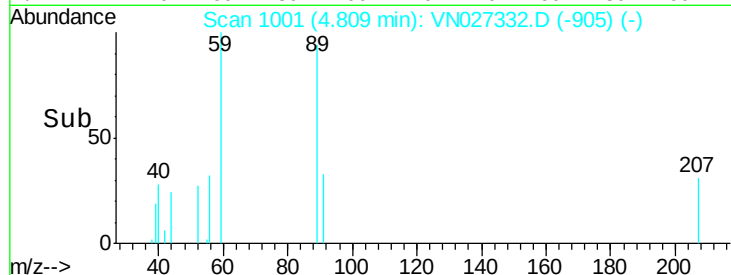
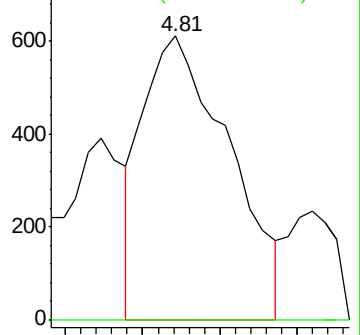
59 100

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



#18

Carbon Disulfide

Concen: 0.36 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027332.D

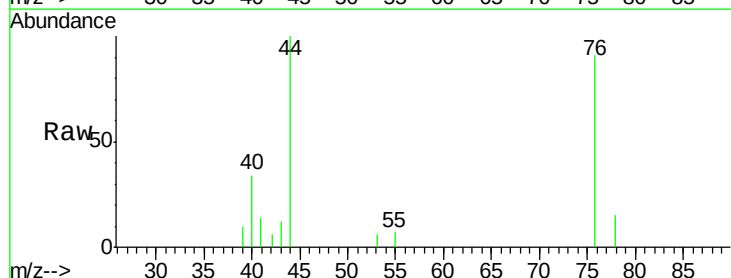
Acq: 21 Sep 2015 14:41

Tgt Ion: 76 Resp: 6553

Ion Ratio Lower Upper

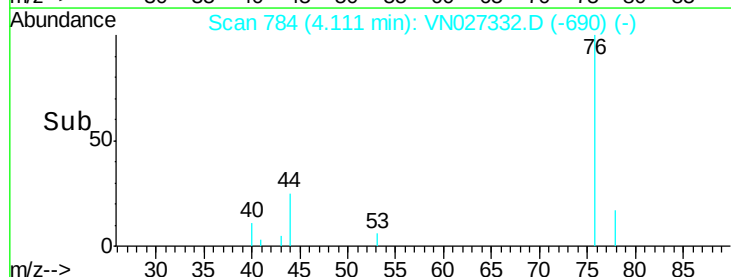
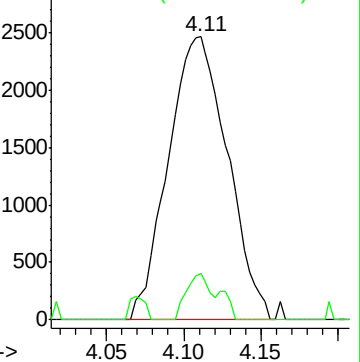
76 100

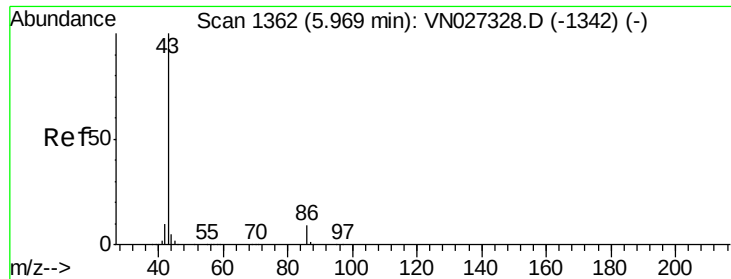
78 16.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#24

Vinyl Acetate

Concen: 9.30 ug/l

RT: 5.99 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampleId :

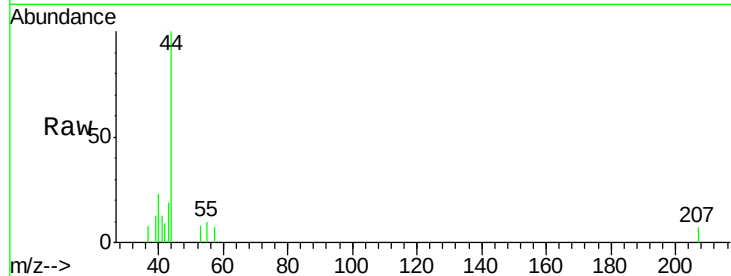
VN0921WBL01

Tgt Ion: 43 Resp: 153

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

5.99

400

300

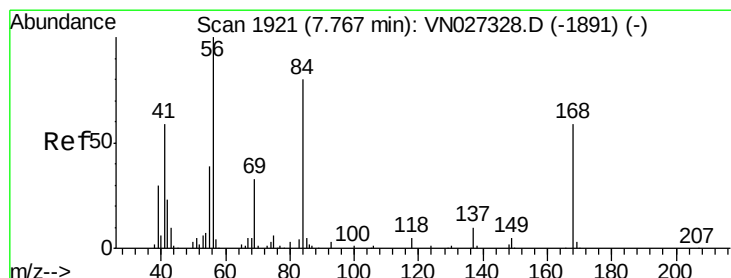
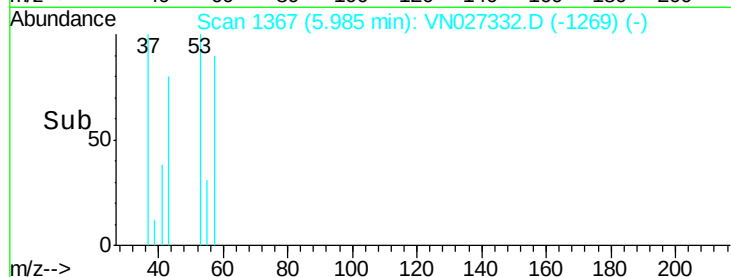
200

100

0

5.97 5.98 5.99

Time-->



#32

Cyclohexane

Concen: Below Cal

RT: 7.75 min Scan# 1915

Delta R.T. -0.02 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

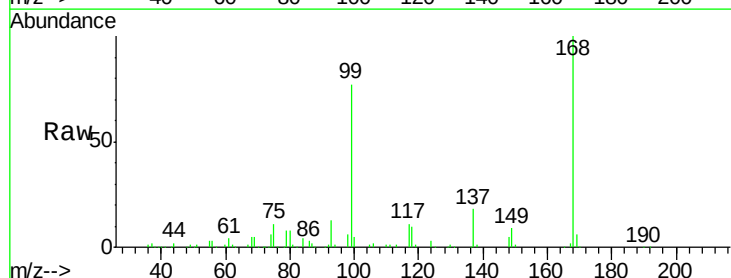
Tgt Ion: 56 Resp: 17209

Ion Ratio Lower Upper

56 100

69 165.3 23.0 34.4#

84 119.4 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

15000

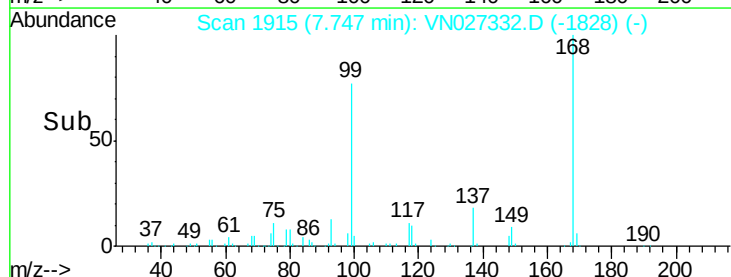
10000

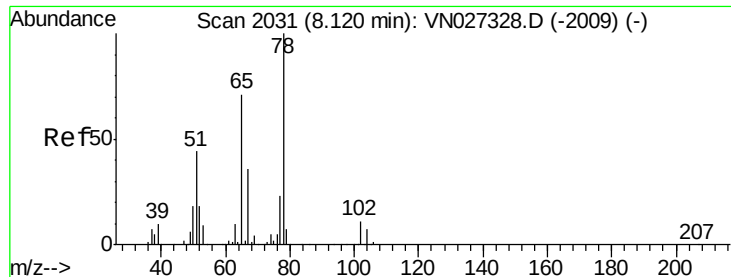
5000

0

7.70 7.75 7.80 7.85

Time-->

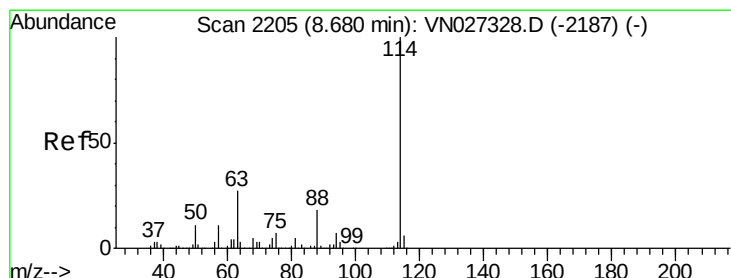
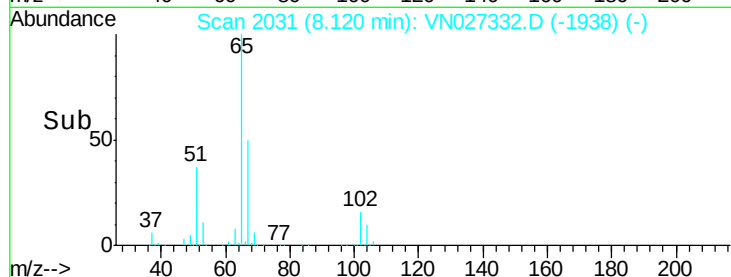
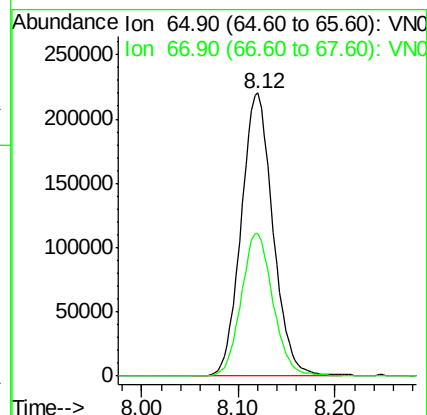
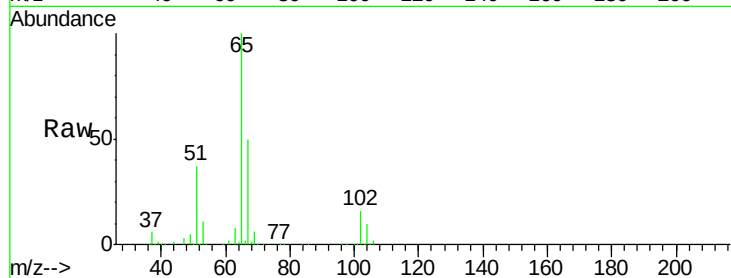




#34
 1,2-Dichloroethane-d4
 Concen: 48.82 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

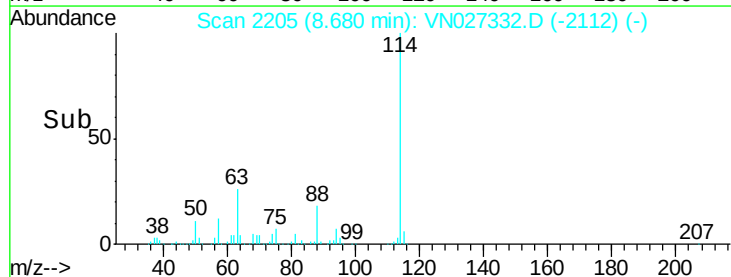
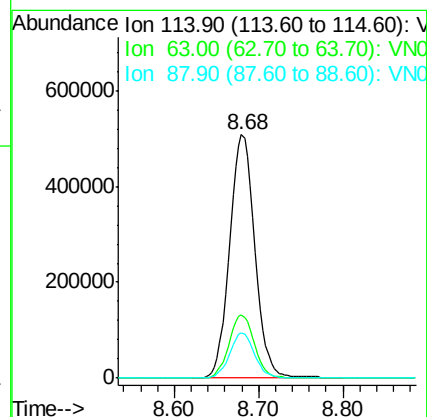
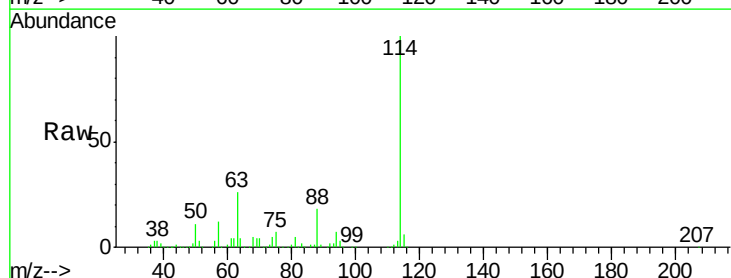
Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBL01

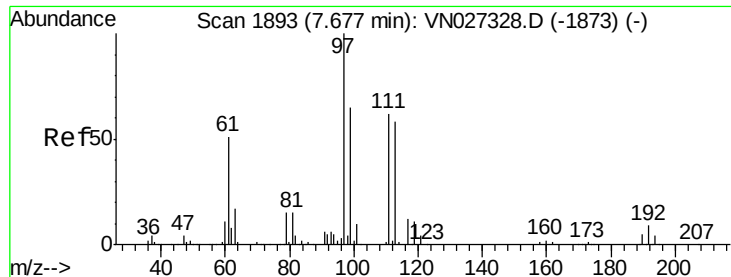
Tgt Ion: 65 Resp: 503955
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 110.6



#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

Tgt Ion: 114 Resp: 1057242
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 48.8
 88 18.4 0.0 32.2

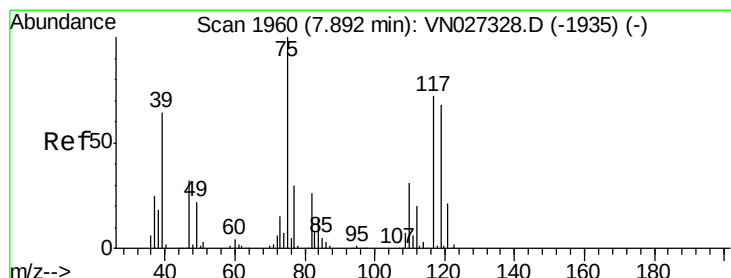
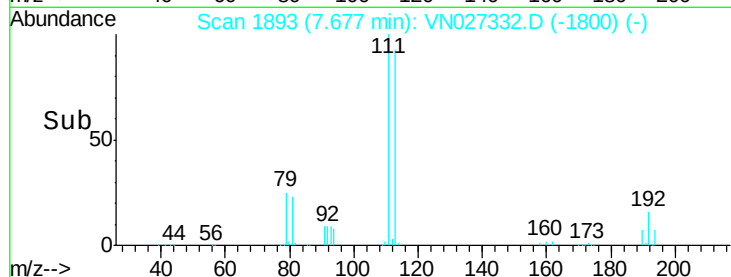
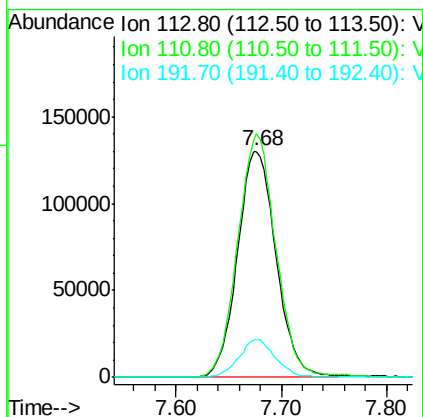
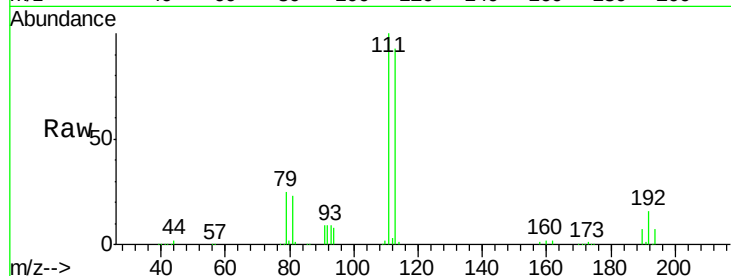




#36
 Dibromofluoromethane
 Concen: 47.90 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

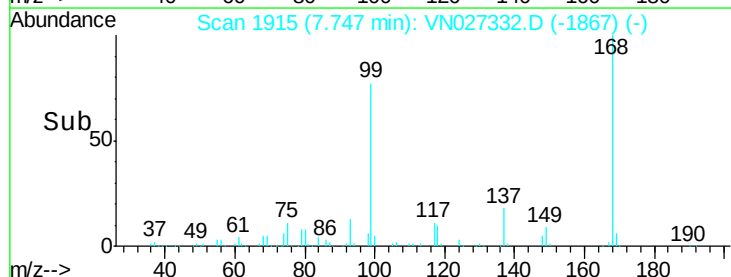
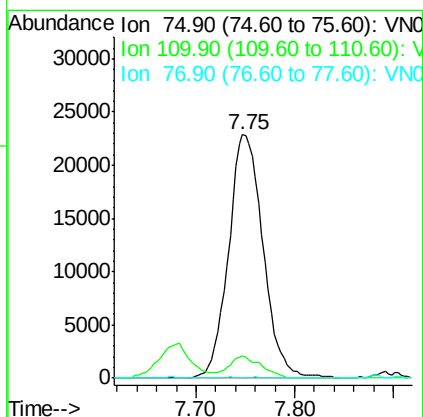
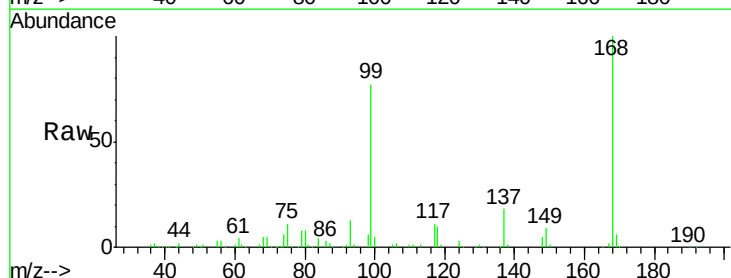
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL01

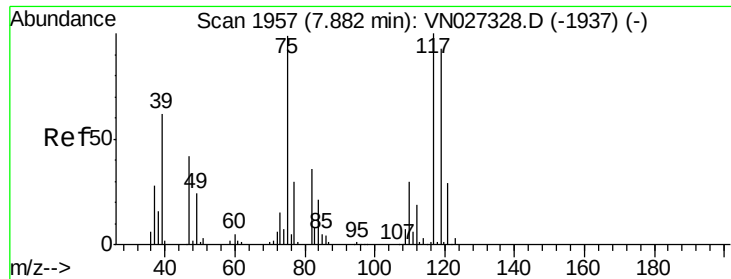
Tgt Ion: 113 Resp: 330403
 Ion Ratio Lower Upper
 113 100
 111 107.2 83.0 124.4
 192 15.9 14.1 21.1



#37
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.14 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

Tgt Ion: 75 Resp: 55706
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.7#
 77 0.1 24.9 37.3#

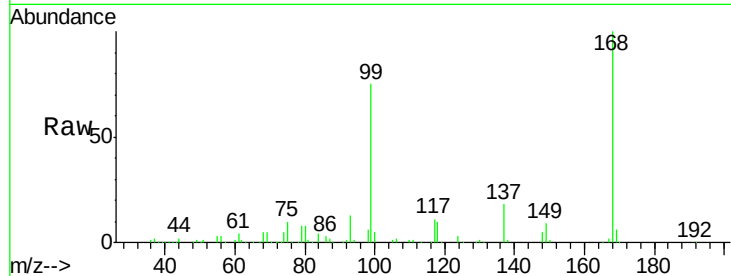




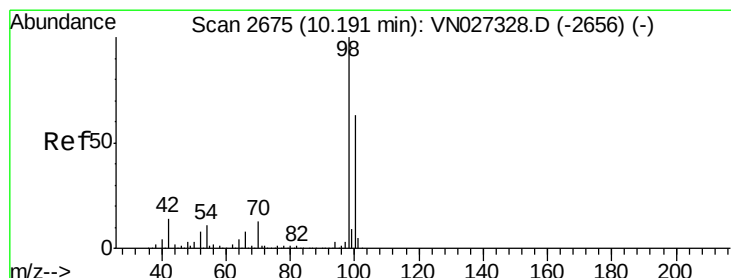
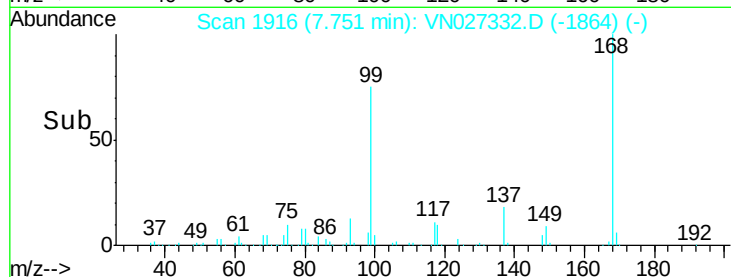
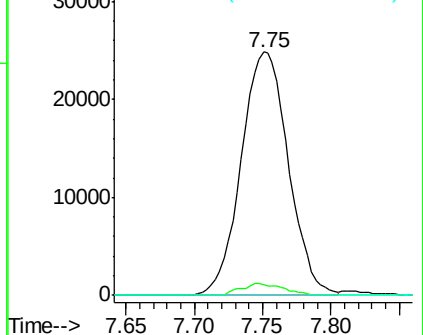
#39
Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027332.D
Acq: 21 Sep 2015 14:41

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

Tgt Ion: 117 Resp: 59564
Ion Ratio Lower Upper
117 100
119 4.4 75.3 112.9#
121 0.0 23.8 35.8#

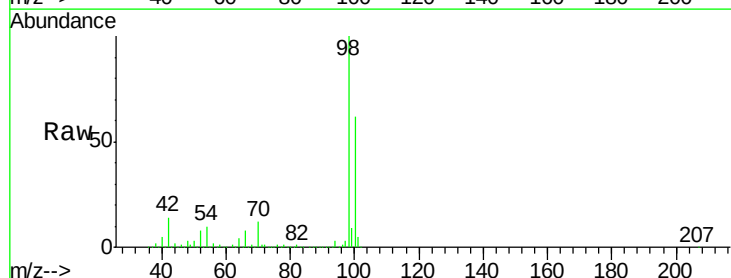


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

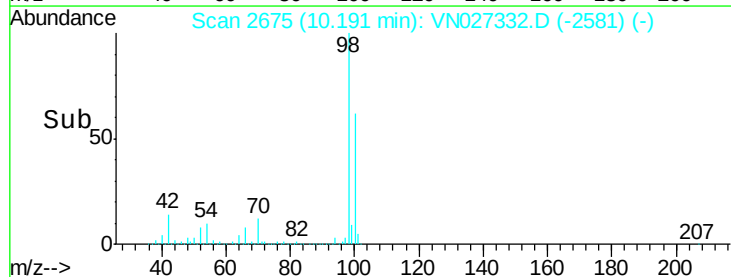
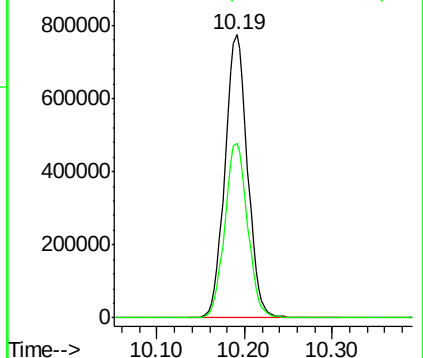


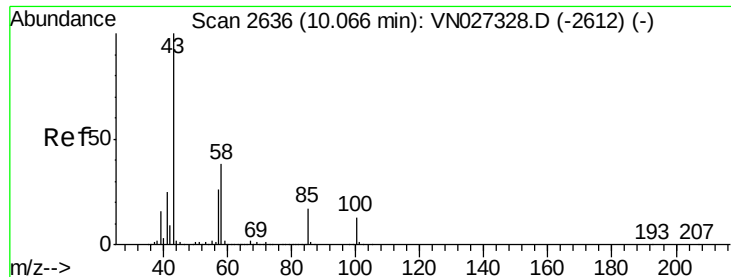
#51
Toluene-d8
Concen: 51.96 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027332.D
Acq: 21 Sep 2015 14:41

Tgt Ion: 98 Resp: 1385730
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



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

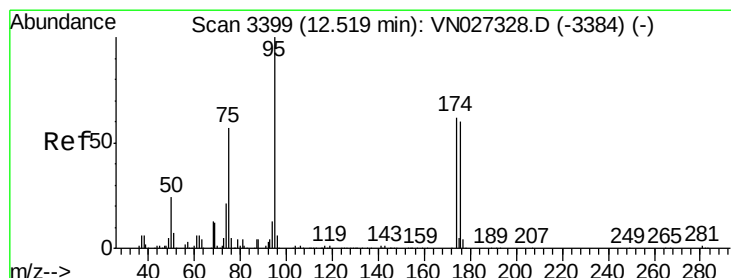
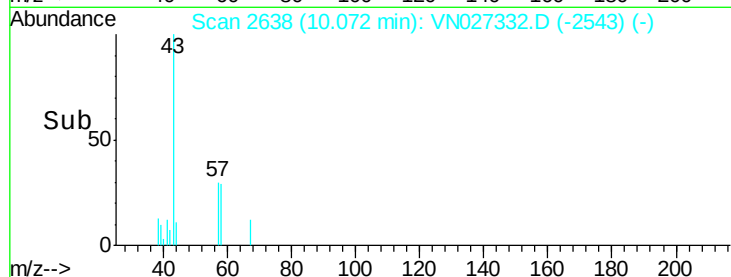
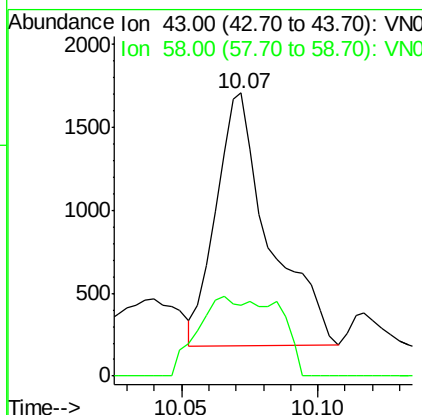
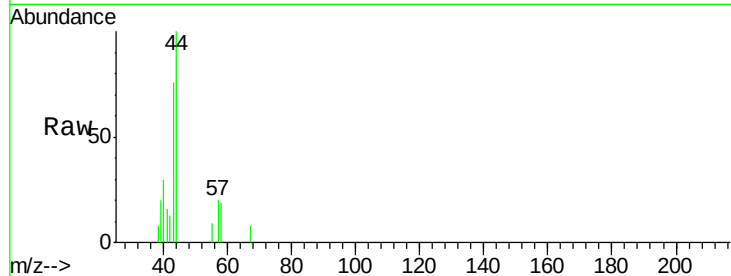




#52
 4-Methyl-2-Pentanone
 Concen: 0.24 ug/l
 RT: 10.07 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

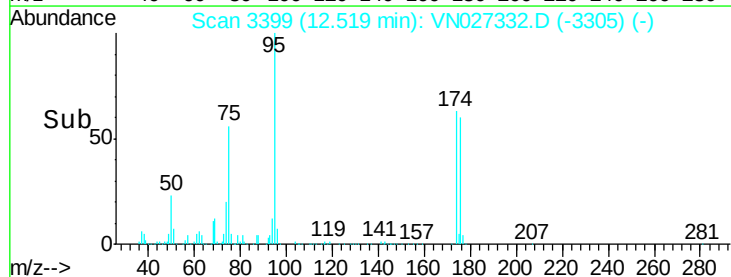
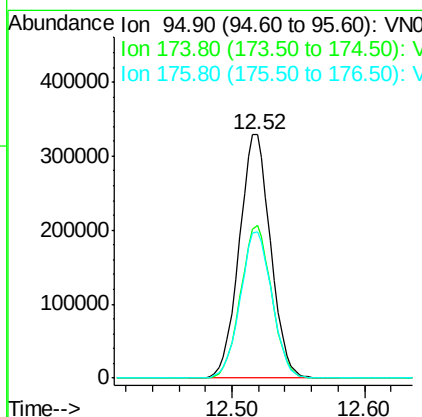
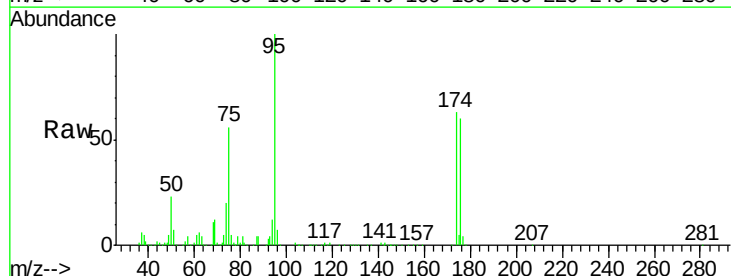
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL01

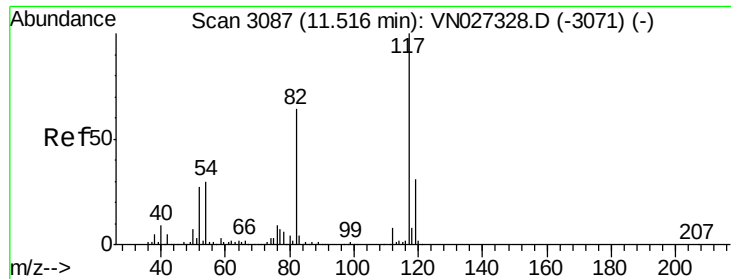
Tgt Ion: 43 Resp: 2068
 Ion Ratio Lower Upper
 43 100
 58 25.9 29.8 44.8#



#63
 4-Bromofluorobenzene
 Concen: 55.71 ug/l
 RT: 12.52 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN027332.D
 Acq: 21 Sep 2015 14:41

Tgt Ion: 95 Resp: 539780
 Ion Ratio Lower Upper
 95 100
 174 62.2 0.0 137.0
 176 60.7 0.0 130.8

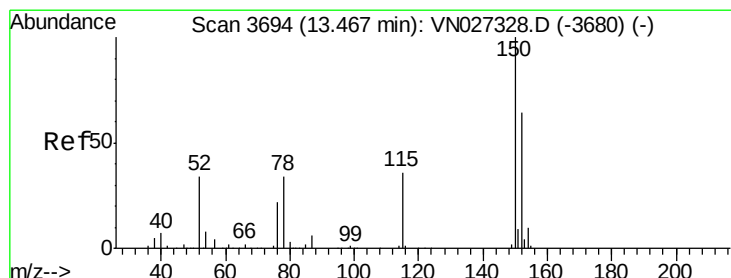
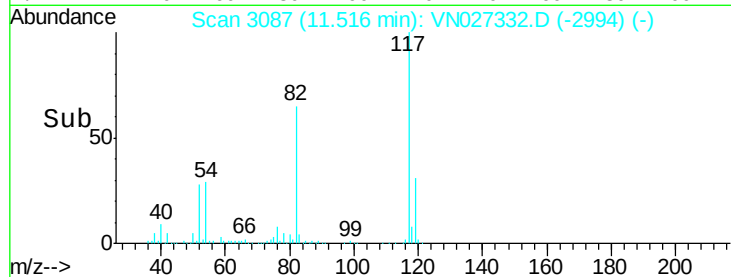
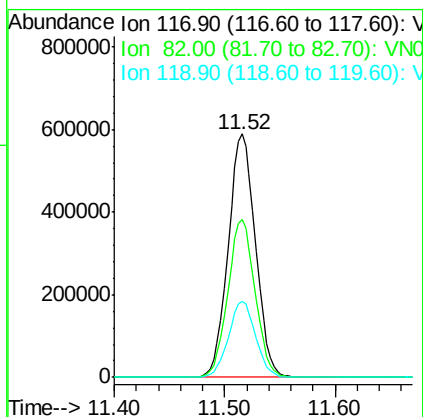
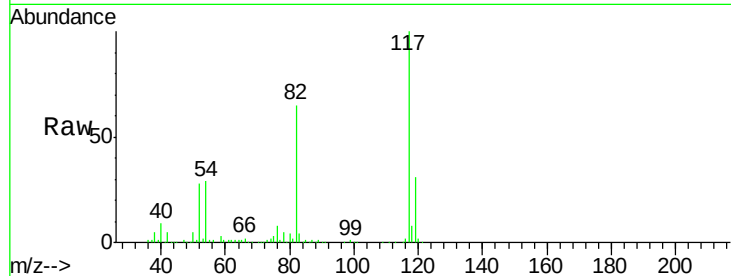




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027332.D
Acq: 21 Sep 2015 14:41

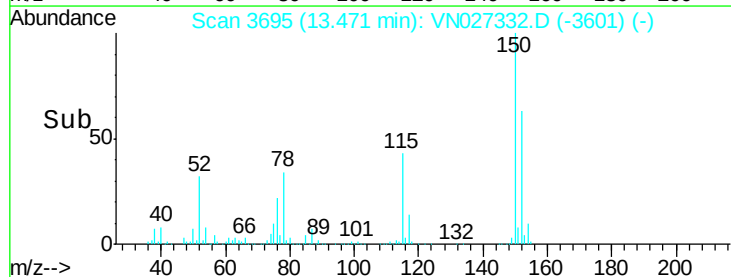
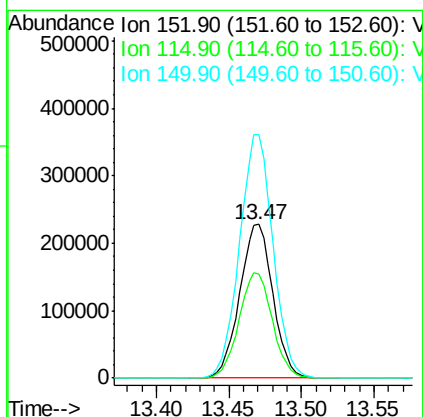
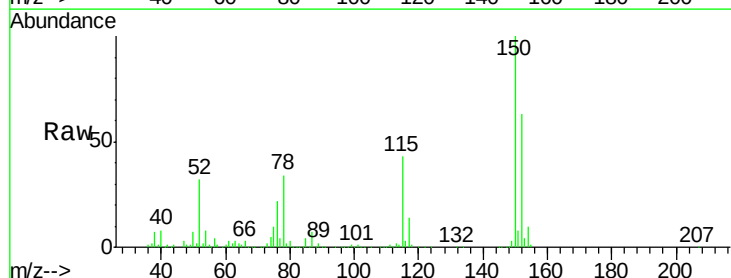
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

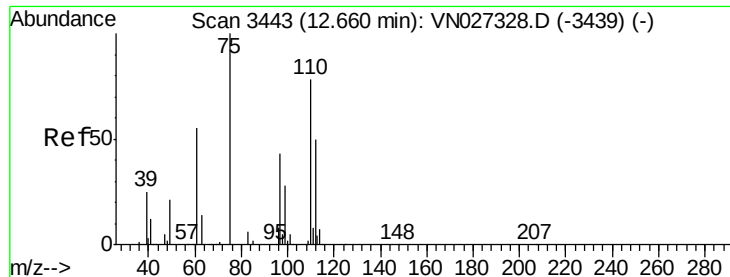
Tgt Ion:117 Resp: 1008190
Ion Ratio Lower Upper
117 100
82 64.8 49.6 74.4
119 31.1 24.6 36.8



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN027332.D
Acq: 21 Sep 2015 14:41

Tgt Ion:152 Resp: 363106
Ion Ratio Lower Upper
152 100
115 68.5 30.8 92.3
150 159.6 0.0 345.0





#77

1,2,3-Trichloropropane

Concen: 33.91 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampled :

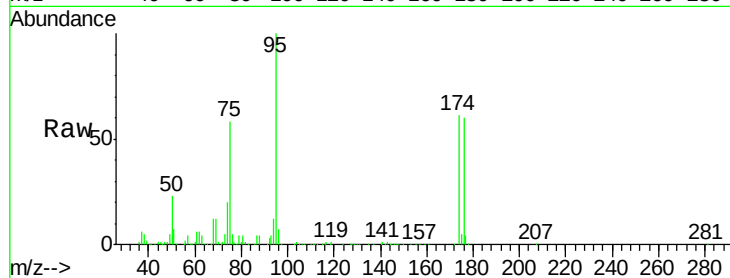
VN0921WBL01

Tgt Ion: 75 Resp: 309147

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

200000

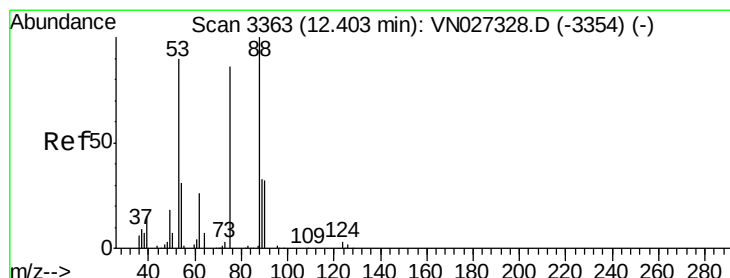
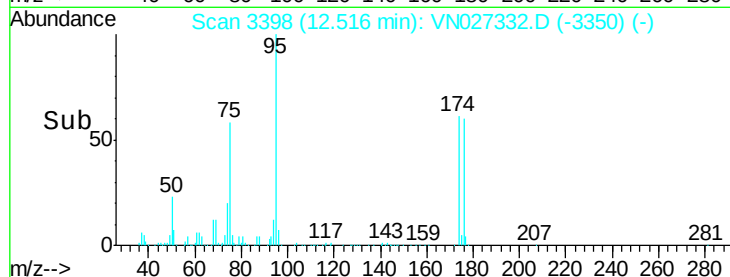
150000

100000

50000

0

Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 86.96 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

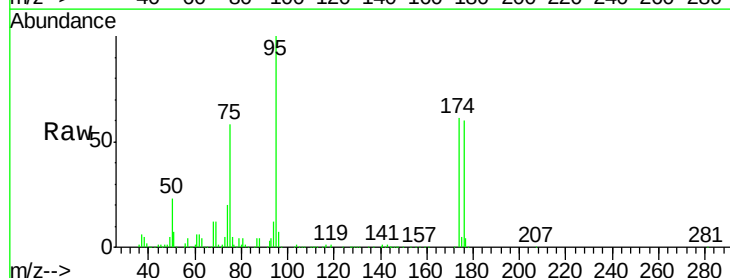
Tgt Ion: 75 Resp: 309147

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

12.52

250000

200000

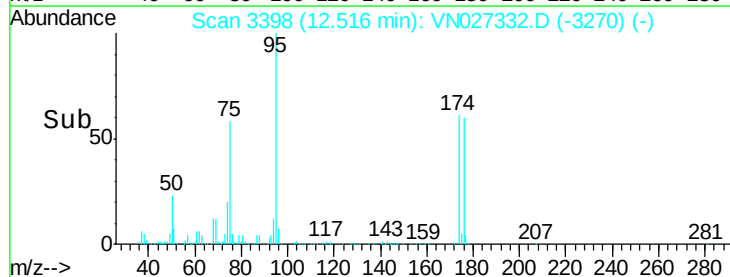
150000

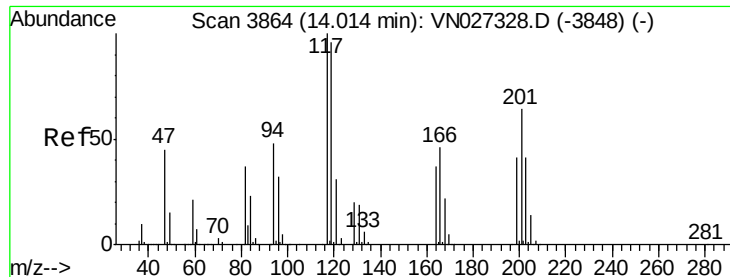
100000

50000

0

Time-->





#91

Hexachloroethane

Concen: 0.33 ug/l

RT: 13.76 min Scan# 3786

Delta R.T. -0.25 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

Instrument :

MSVOA_N

ClientSampled :

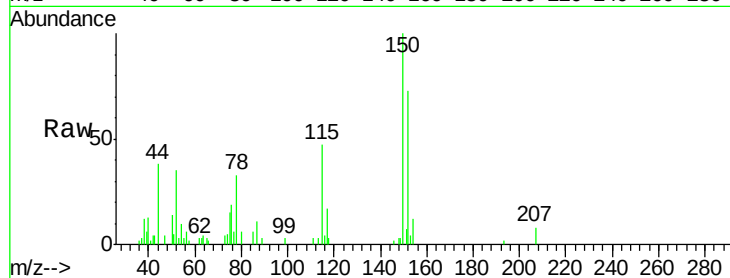
VN0921WBL01

Tgt Ion:117 Resp: 1857

Ion Ratio Lower Upper

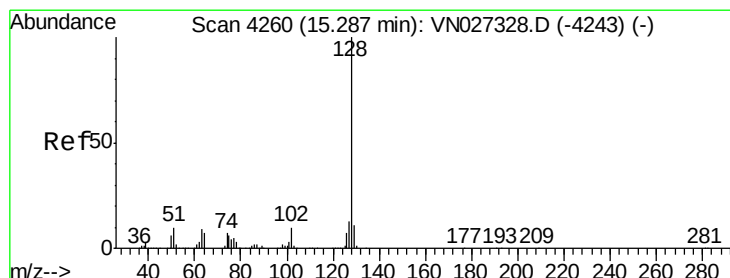
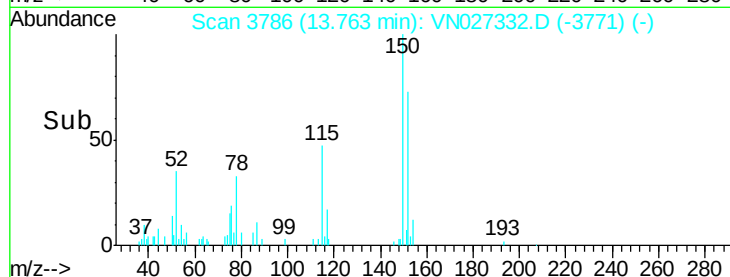
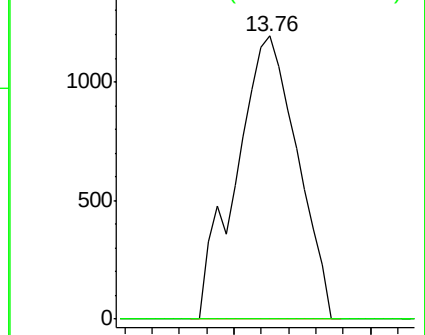
117 100

201 0.0 34.9 104.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#96

Naphthalene

Concen: 3.94 ug/l

RT: 15.29 min Scan# 4261

Delta R.T. 0.00 min

Lab File: VN027332.D

Acq: 21 Sep 2015 14:41

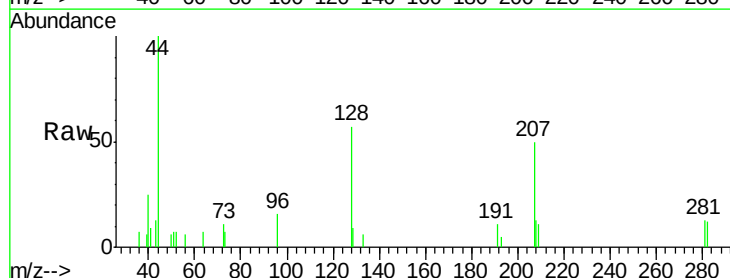
Tgt Ion:128 Resp: 2701

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 4.8 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

