

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027189.D
 Acq On : 16 Sep 2015 3:57
 Operator : MD\FY
 Sample : G3629-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0097

Quant Time: Sep 16 04:48:11 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	821863	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1455761	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1213873	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	426842	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	804156	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
36) Dibromofluoromethane	7.68	113	520003	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
51) Toluene-d8	10.19	98	2126910	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
63) 4-Bromofluorobenzene	12.52	95	701343	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	

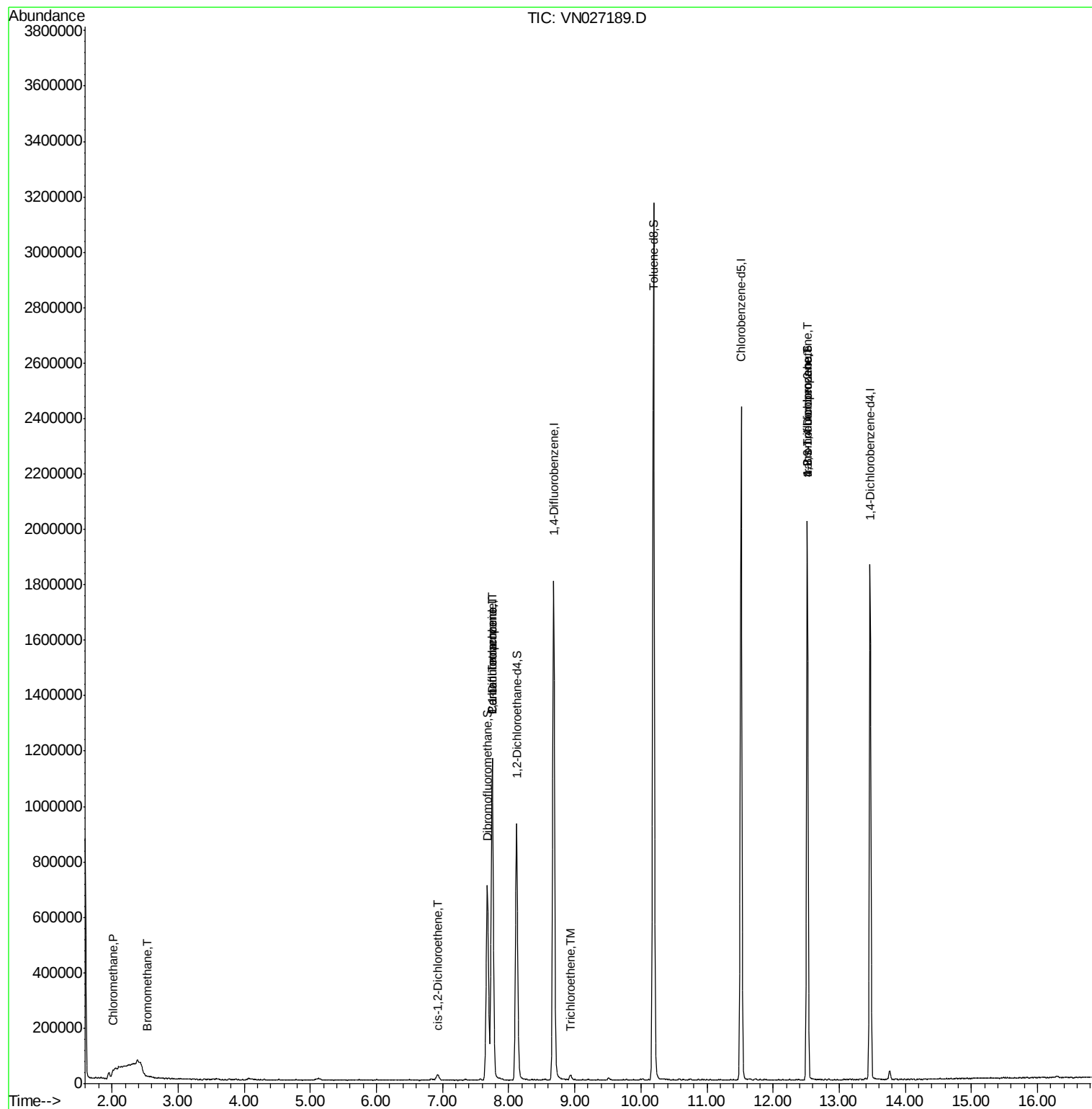
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2362	1.32	ug/l #	86
6) Bromomethane	2.54	94	1009	1.77	ug/l #	58
28) cis-1,2-Dichloroethene	6.93	96	12508	0.96	ug/l	74
37) 1,1-Dichloropropene	7.75	75	85676	5.03	ug/l #	51
38) Ethyl Acetate	7.03	43	211	Below Cal	#	71
39) Carbon Tetrachloride	7.75	117	91170	5.69	ug/l #	16
45) Trichloroethene	8.93	130	5437	0.54	ug/l	96
76) 1,1,2,2-Tetrachloroethane	12.59	83	181	Below Cal	#	52
77) 1,2,3-Trichloropropane	12.52	75	404589	31.36	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	404589	77.04	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.44	75	130	Below Cal	#	9

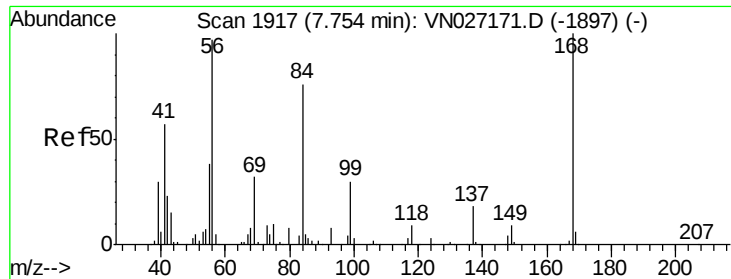
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampleId :

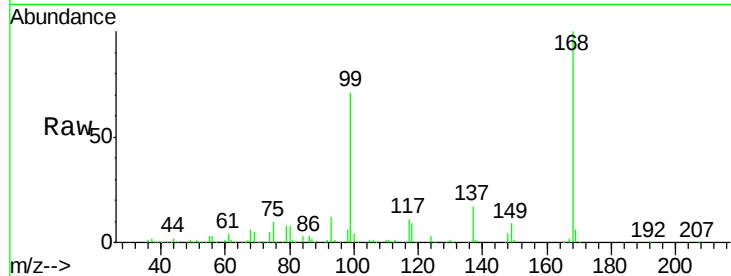
S39-0097

Tot Ion:168 Resp: 821863

Ion Ratio Lower Upper

168 100

99 70.9 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

400000

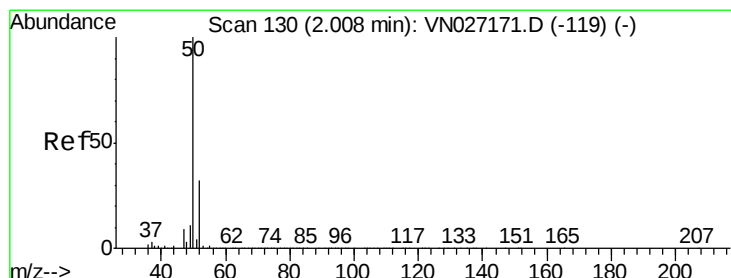
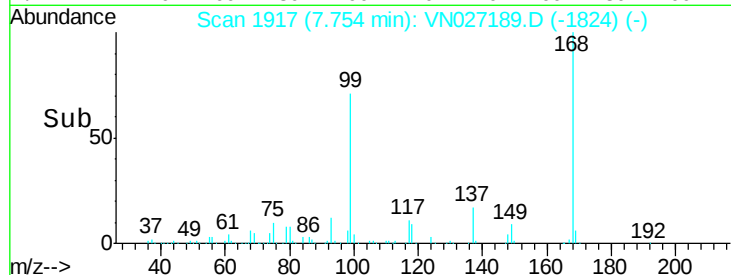
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.32 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027189.D

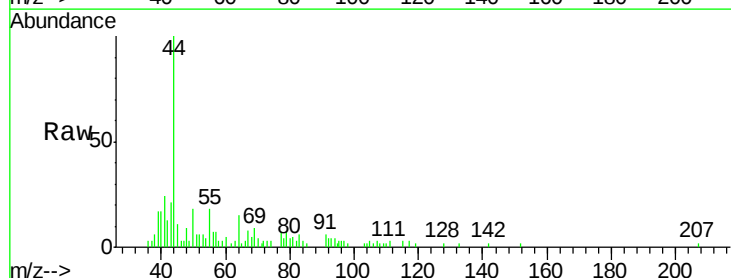
Acq: 16 Sep 2015 3:57

Tgt Ion: 50 Resp: 2362

Ion Ratio Lower Upper

50 100

52 40.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

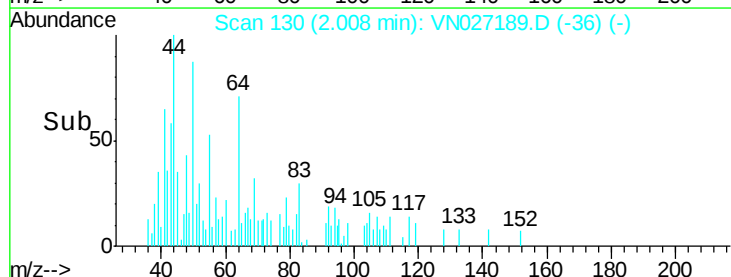
1500

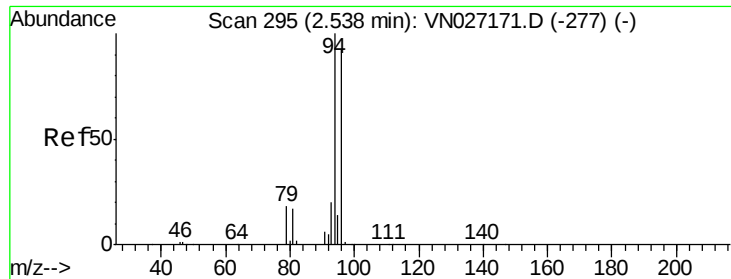
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.77 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampled :

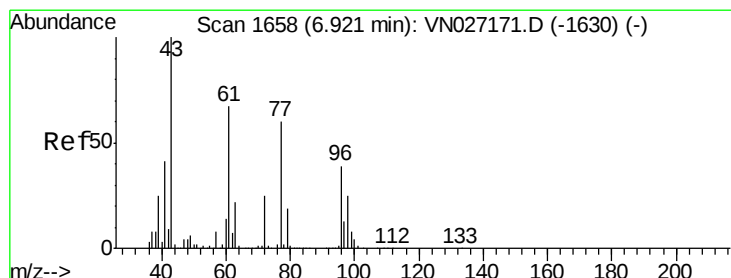
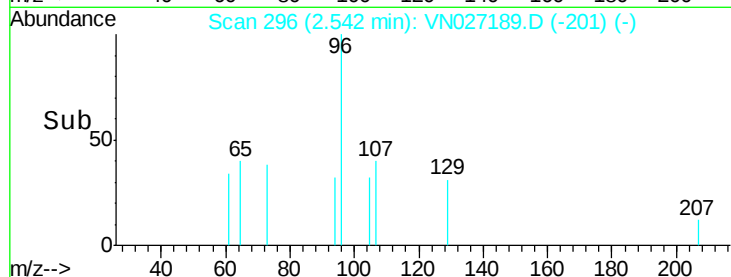
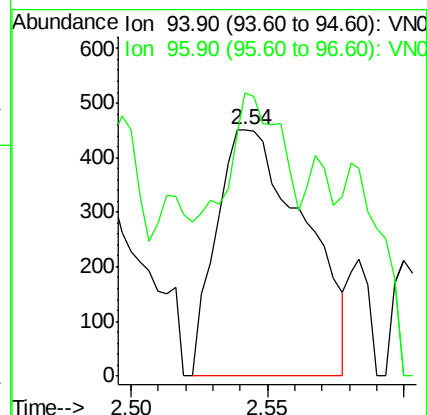
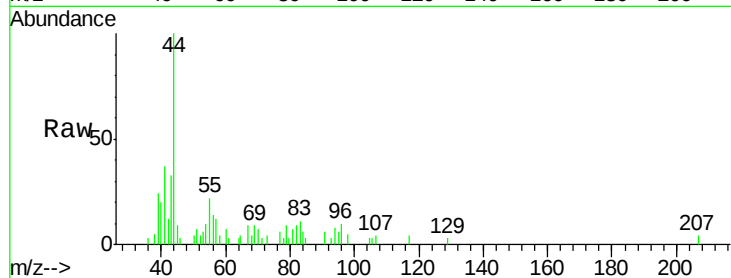
S39-0097

Tot Ion: 94 Resp: 1009

Ion Ratio Lower Upper

94 100

96 52.0 73.4 110.2#



#28

cis-1,2-Dichloroethene

Concen: 0.96 ug/l

RT: 6.93 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

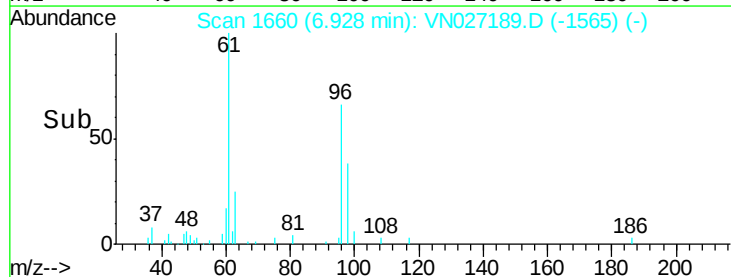
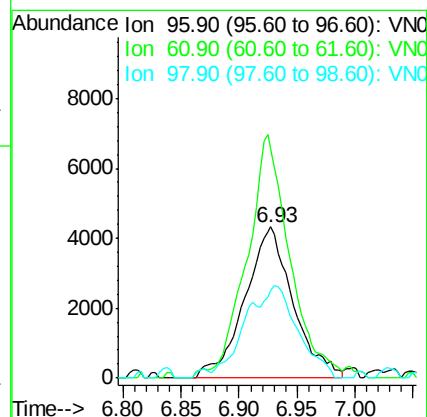
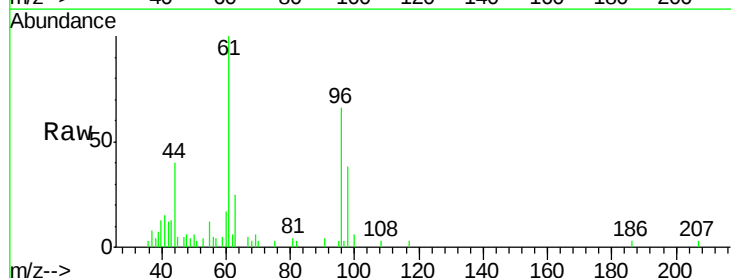
Tgt Ion: 96 Resp: 12508

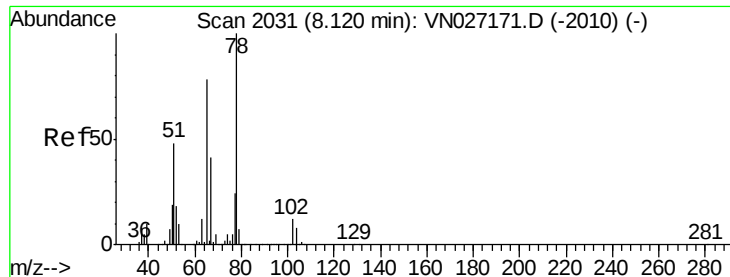
Ion Ratio Lower Upper

96 100

61 143.7 0.0 329.2

98 20.4 0.0 126.0





#34

1,2-Dichloroethane-d4

Concen: 47.75 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampleId :

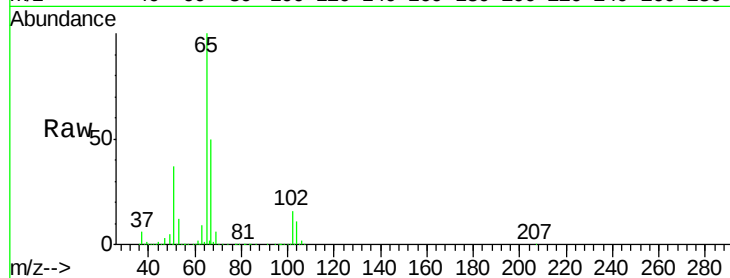
S39-0097

Tot Ion: 65 Resp: 804156

Ion Ratio Lower Upper

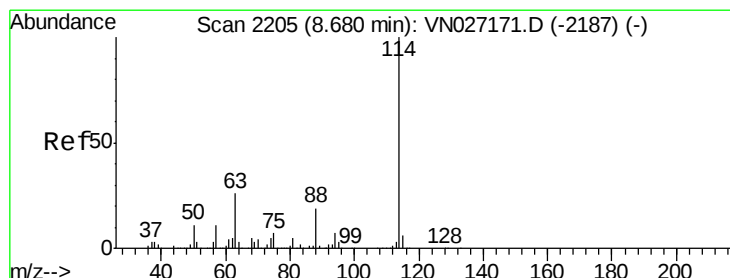
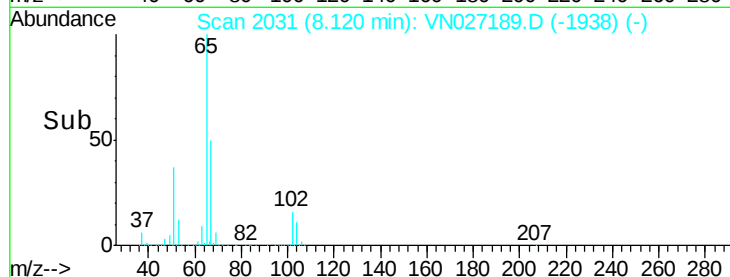
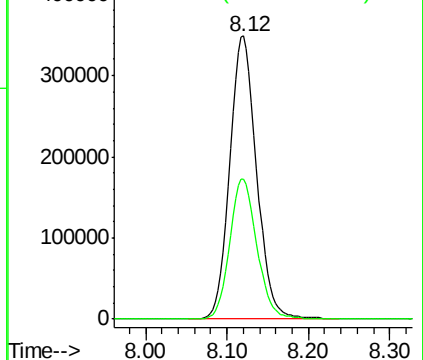
65 100

67 49.8 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: VN027189.D

Acq: 16 Sep 2015 3:57

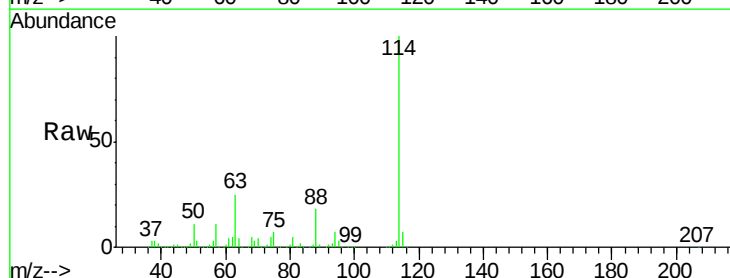
Tgt Ion: 114 Resp: 1455761

Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.8

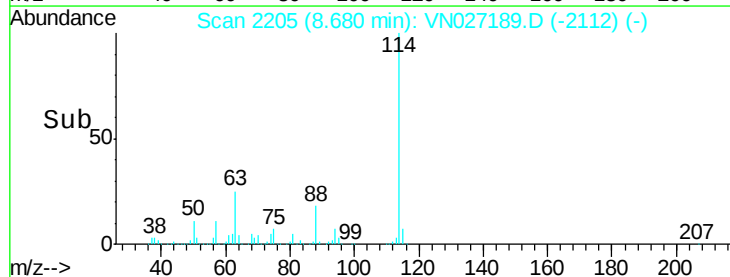
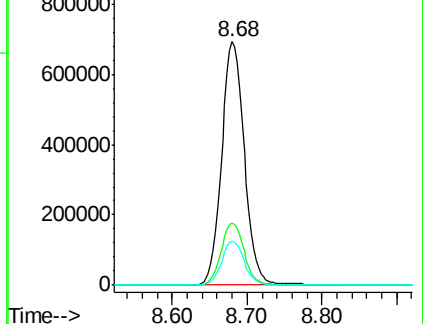
88 18.0 0.0 32.2

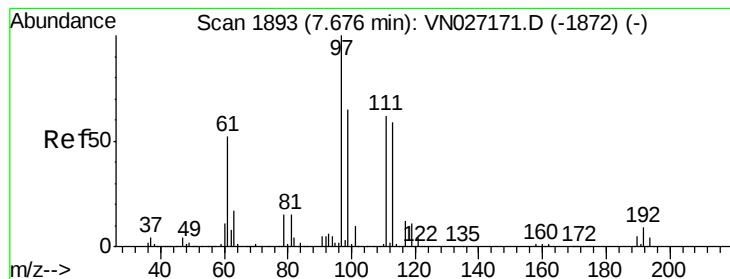


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#36

Dibromofluoromethane

Concen: 51.53 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampled :

S39-0097

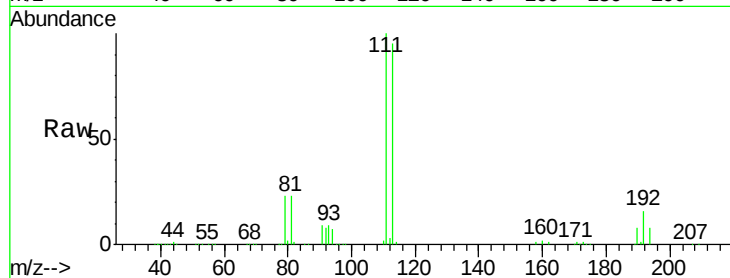
Tot Ion:113 Resp: 520003

Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.4

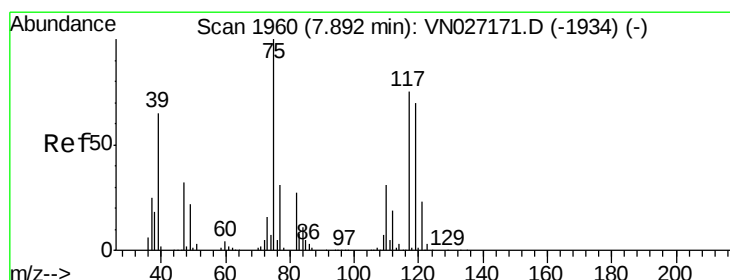
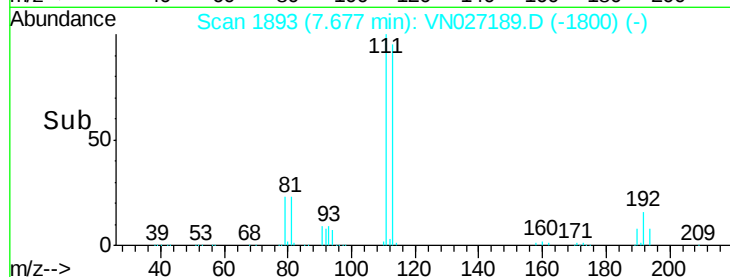
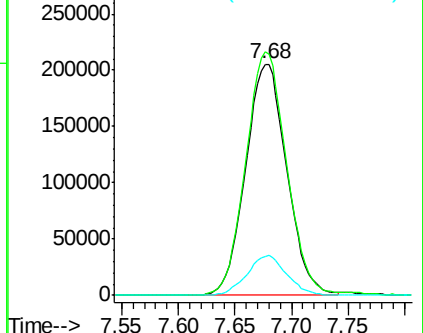
192 16.7 14.1 21.1



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: 5.03 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.14 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

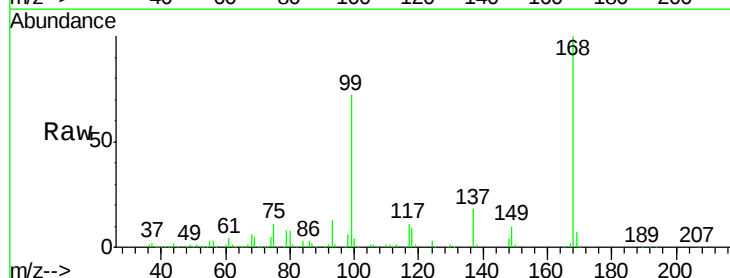
Tgt Ion: 75 Resp: 85676

Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.7#

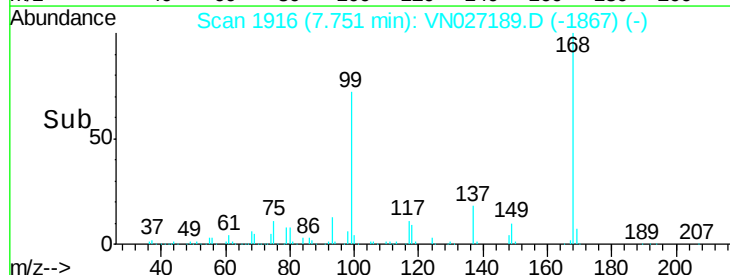
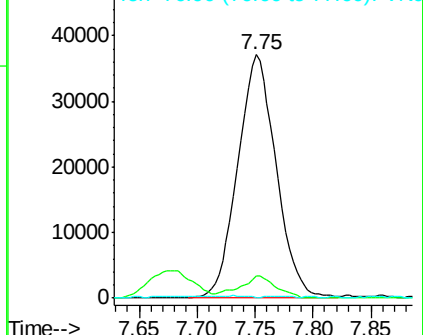
77 0.1 24.9 37.3#

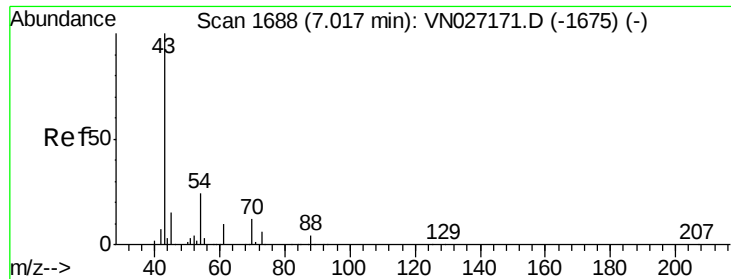


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

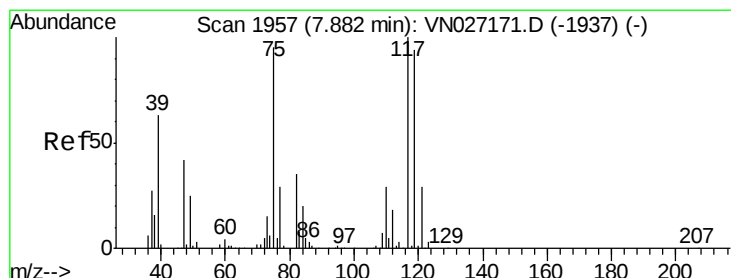
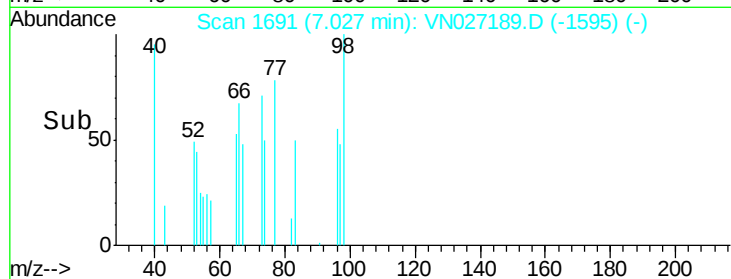
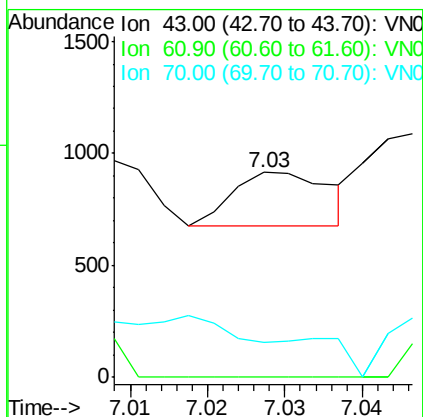
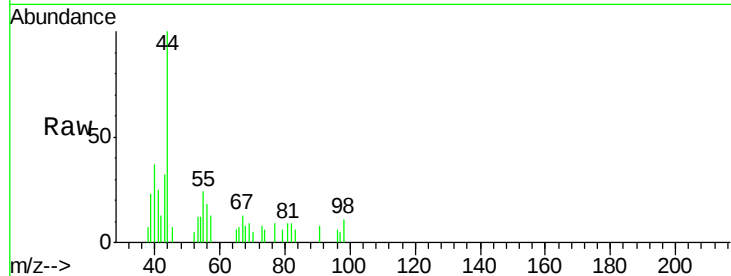




#38
Ethyl Acetate
Concen: Below Cal
RT: 7.03 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN027189.D
Acq: 16 Sep 2015 3:57

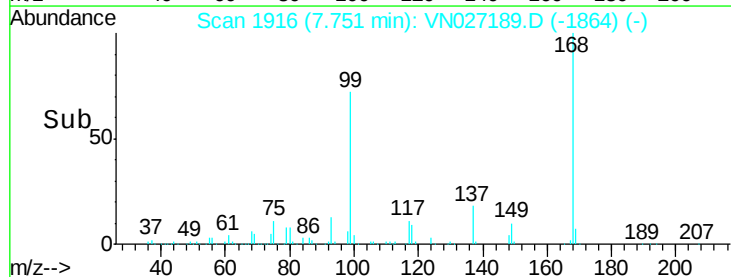
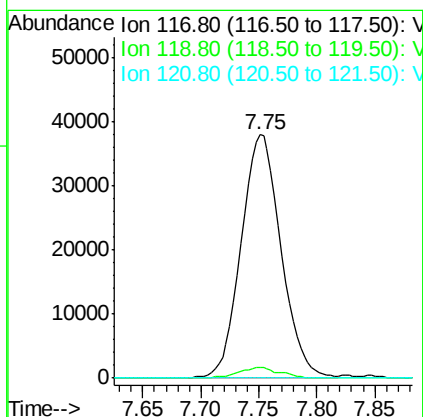
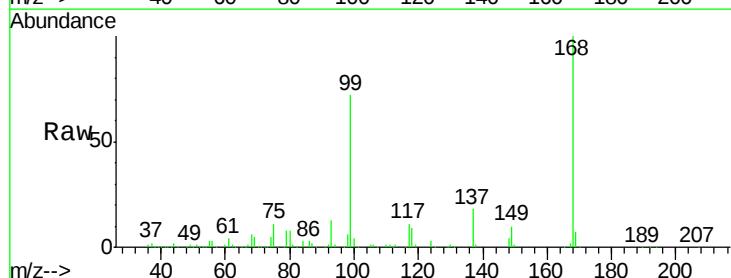
Instrument :
MSVOA_N
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S39-0097

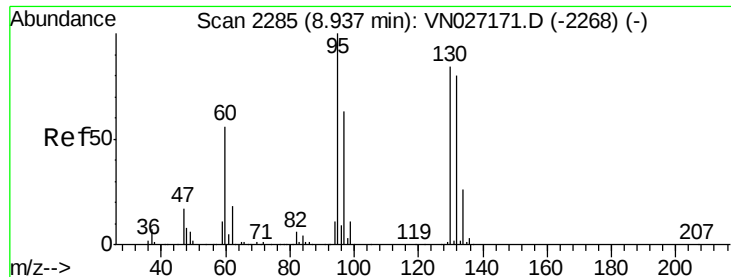
Tot Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 7.4 11.0#



#39
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.13 min
Lab File: VN027189.D
Acq: 16 Sep 2015 3:57

Tgt Ion: 117 Resp: 91170
Ion Ratio Lower Upper
117 100
119 4.5 75.3 112.9#
121 0.0 23.8 35.8#

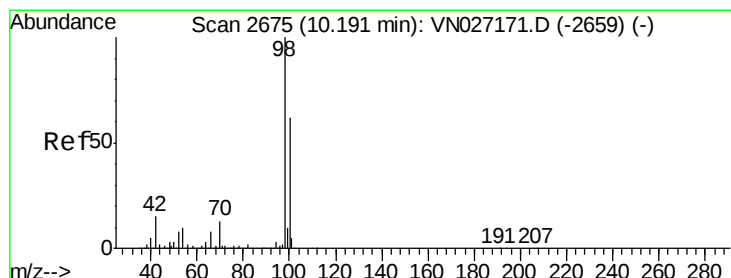
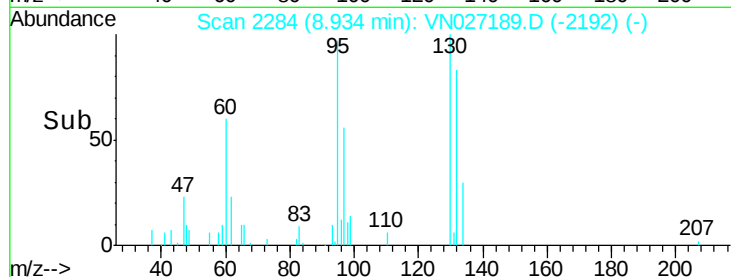
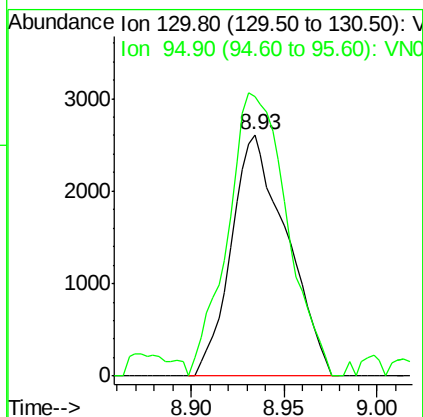
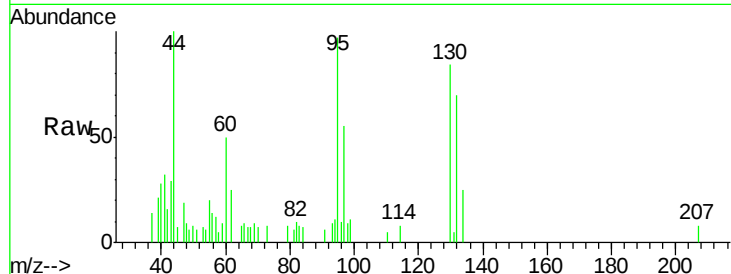




#45
 Trichloroethene
 Concen: 0.54 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027189.D
 Acq: 16 Sep 2015 3:57

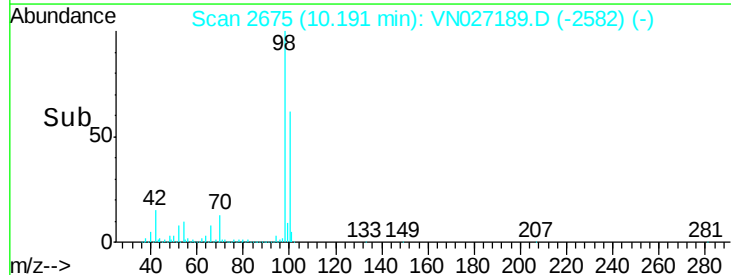
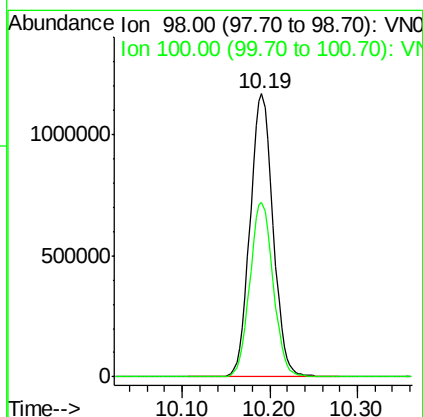
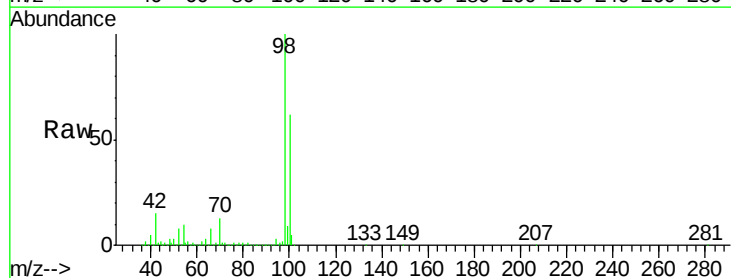
Instrument :
 MSVOA_N
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 S39-0097

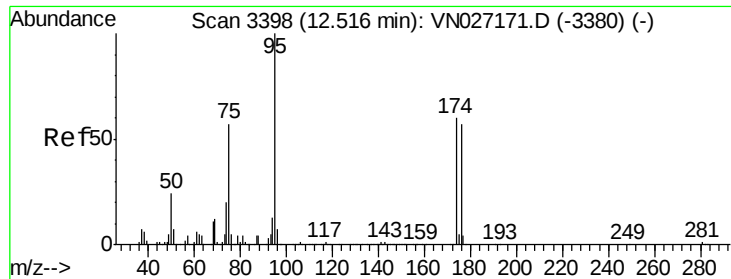
Tot Ion:130 Resp: 5437
 Ion Ratio Lower Upper
 130 100
 95 115.7 0.0 222.2



#51
 Toluene-d8
 Concen: 53.83 ug/l
 RT: 10.19 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN027189.D
 Acq: 16 Sep 2015 3:57

Tgt Ion: 98 Resp: 2126910
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.5 75.7

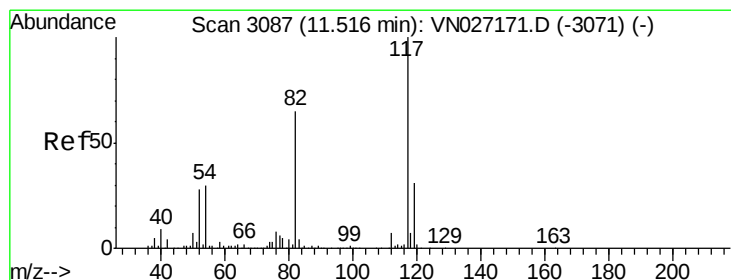
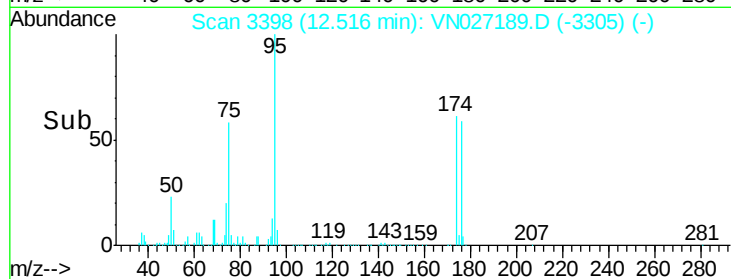
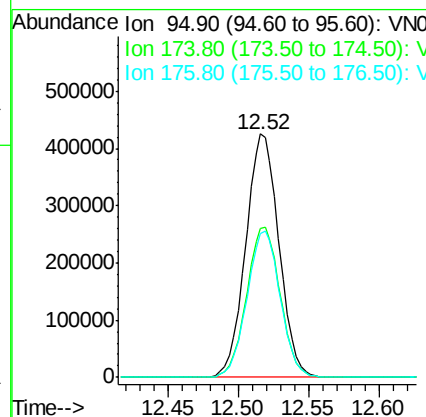
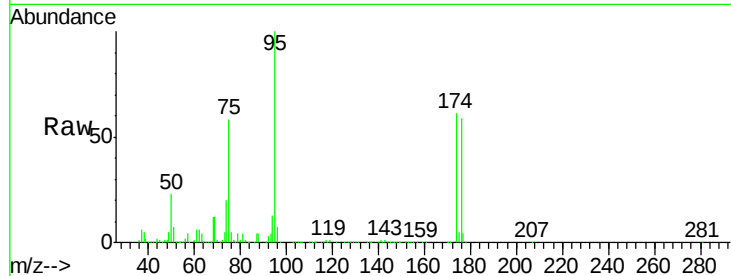




#63
4-Bromofluorobenzene
Concen: 50.01 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027189.D
Acq: 16 Sep 2015 3:57

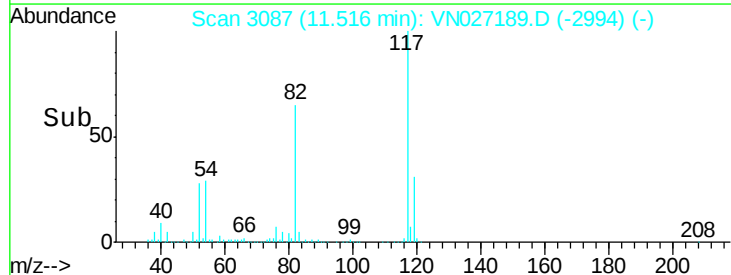
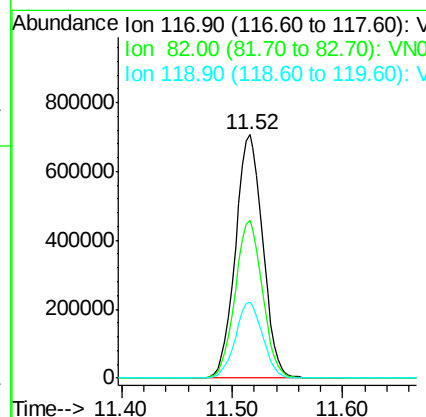
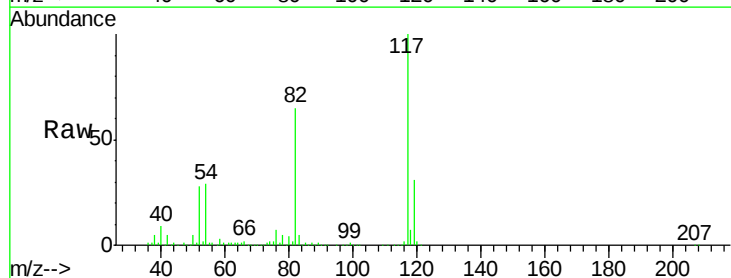
Instrument :
MSVOA_N
ClientSampled :
S39-0097

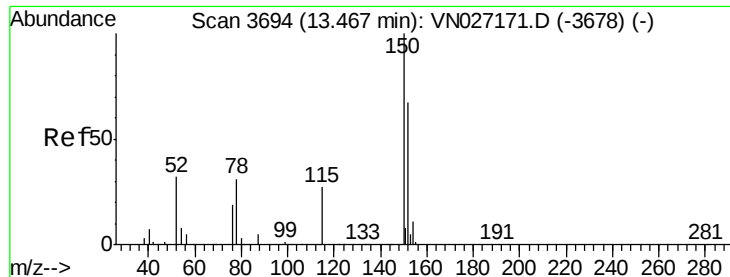
Tot Ion: 95 Resp: 701343
Ion Ratio Lower Upper
95 100
174 62.3 0.0 137.0
176 60.2 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027189.D
Acq: 16 Sep 2015 3:57

Tgt Ion: 117 Resp: 1213873
Ion Ratio Lower Upper
117 100
82 64.9 49.6 74.4
119 31.2 24.6 36.8





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampled :

S39-0097

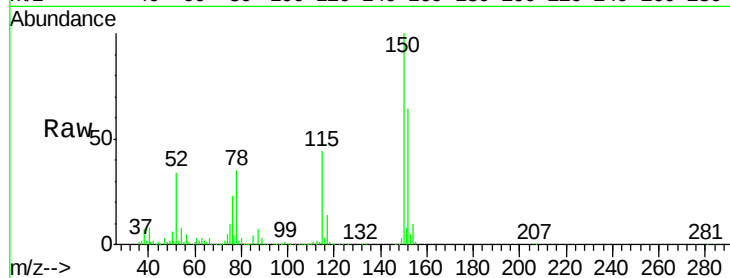
Tot Ion:152 Resp: 426842

Ion Ratio Lower Upper

152 100

115 67.1 30.8 92.3

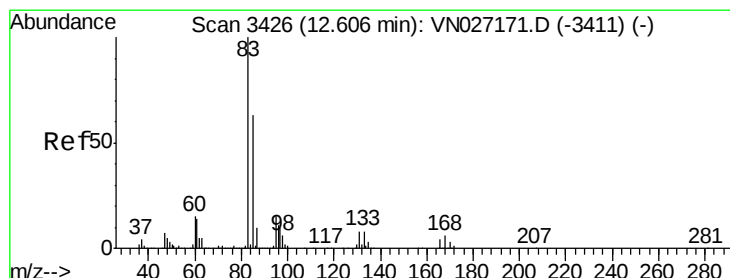
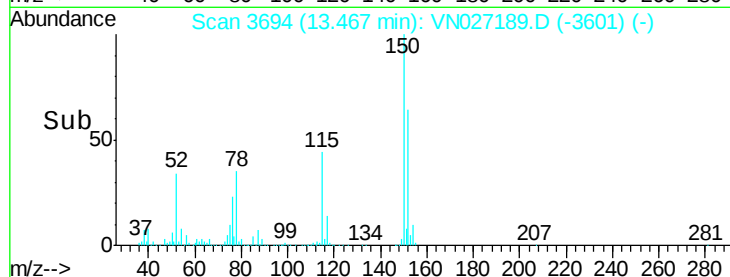
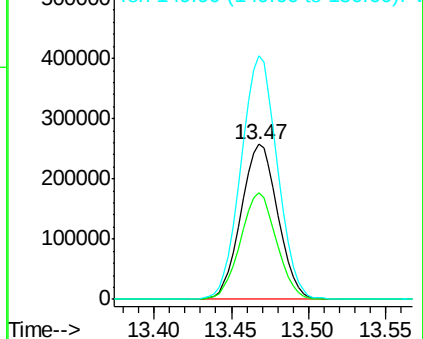
150 155.2 0.0 345.0



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: 12.59 min Scan# 3422

Delta R.T. -0.01 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

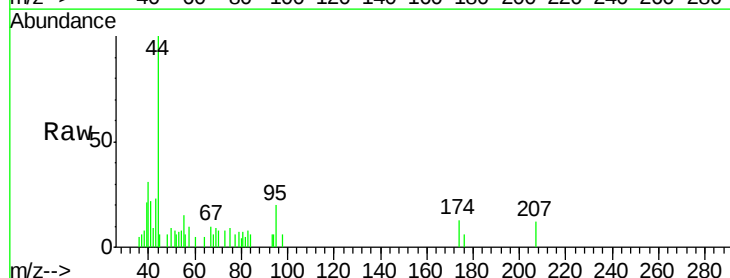
Tgt Ion: 83 Resp: 181

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

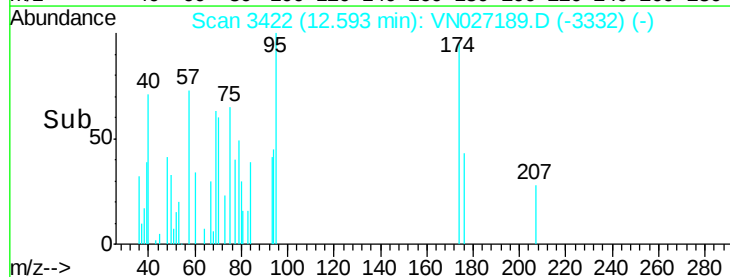
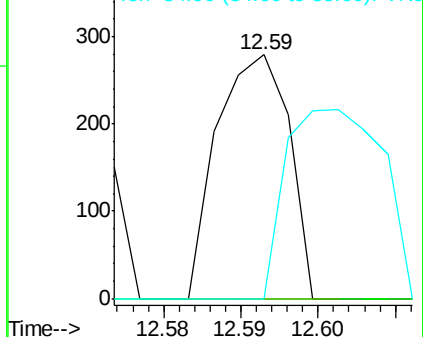
85 103.9 31.9 95.7#

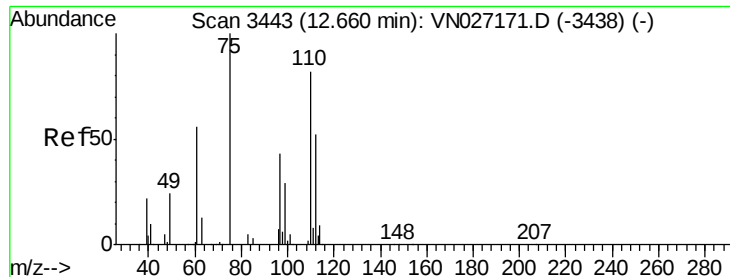


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 31.36 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampled :

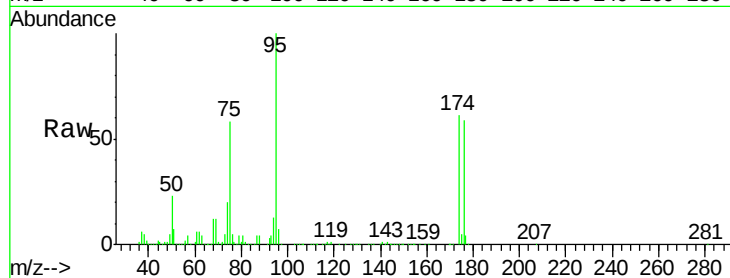
S39-0097

Tot Ion: 75 Resp: 404589

Ion Ratio Lower Upper

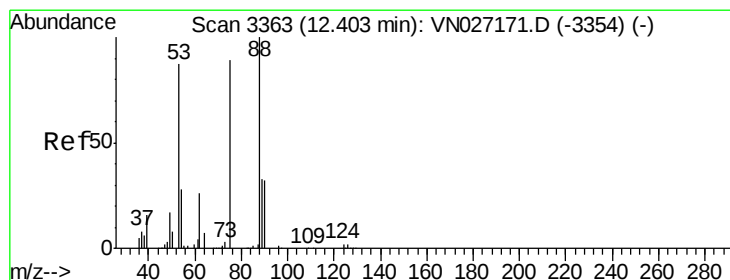
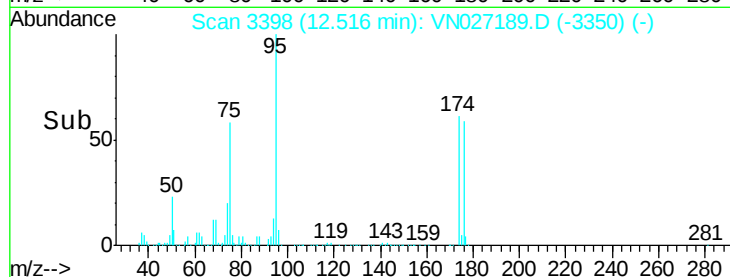
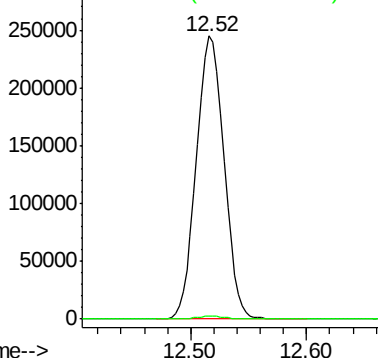
75 100

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



#82

trans-1,4-Dichloro-2-butene

Concen: 77.04 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

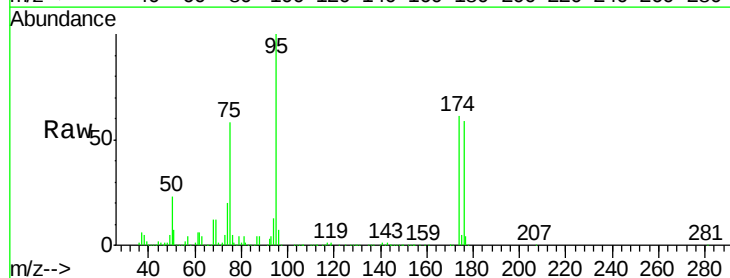
Tgt Ion: 75 Resp: 404589

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

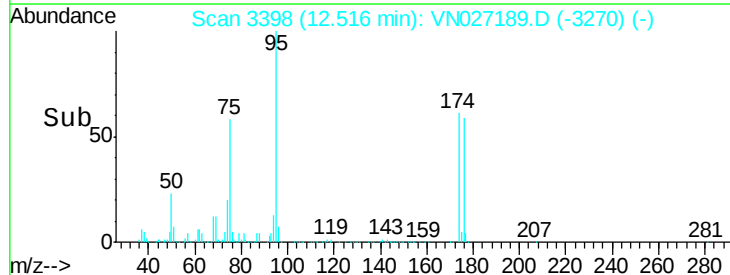
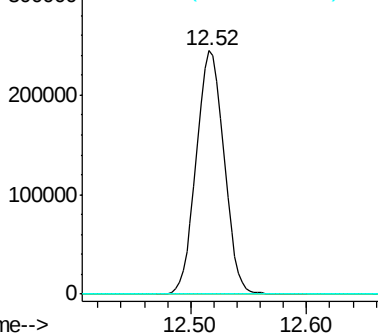
89 0.0 34.2 51.4#

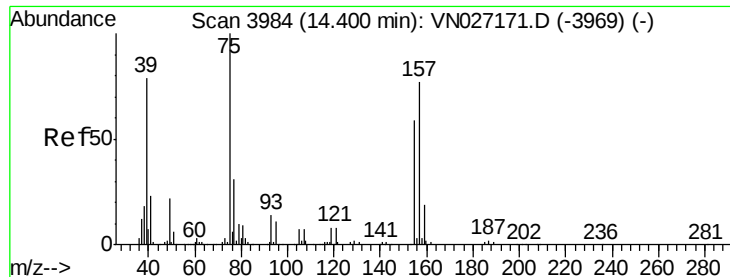


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.44 min Scan# 3995

Delta R.T. 0.04 min

Lab File: VN027189.D

Acq: 16 Sep 2015 3:57

Instrument :

MSVOA_N

ClientSampleId :

S39-0097

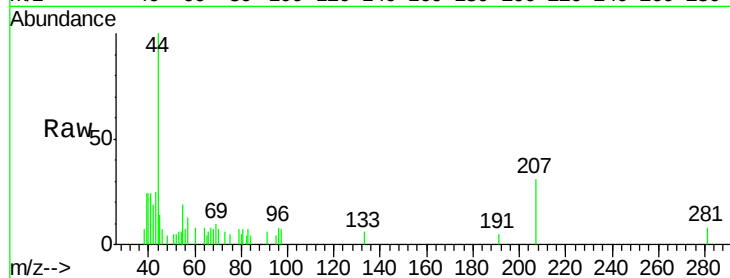
Tot Ion: 75 Resp: 130

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

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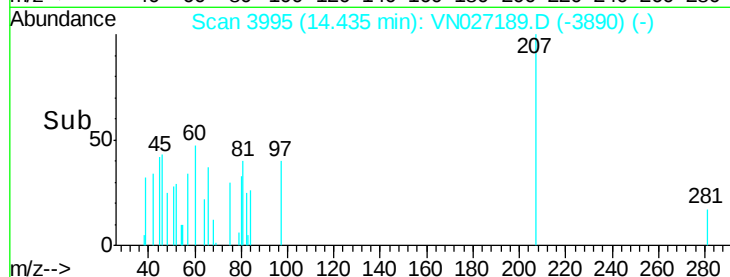
14.44

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Time-->