

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027188.D
 Acq On : 16 Sep 2015 3:29
 Operator : MD\FY
 Sample : G3629-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0098

Quant Time: Sep 16 04:47:52 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	787419	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1402783	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1173771	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	409350	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	774446	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
36) Dibromofluoromethane	7.68	113	507789	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
51) Toluene-d8	10.19	98	2053325	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
63) 4-Bromofluorobenzene	12.52	95	685334	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	

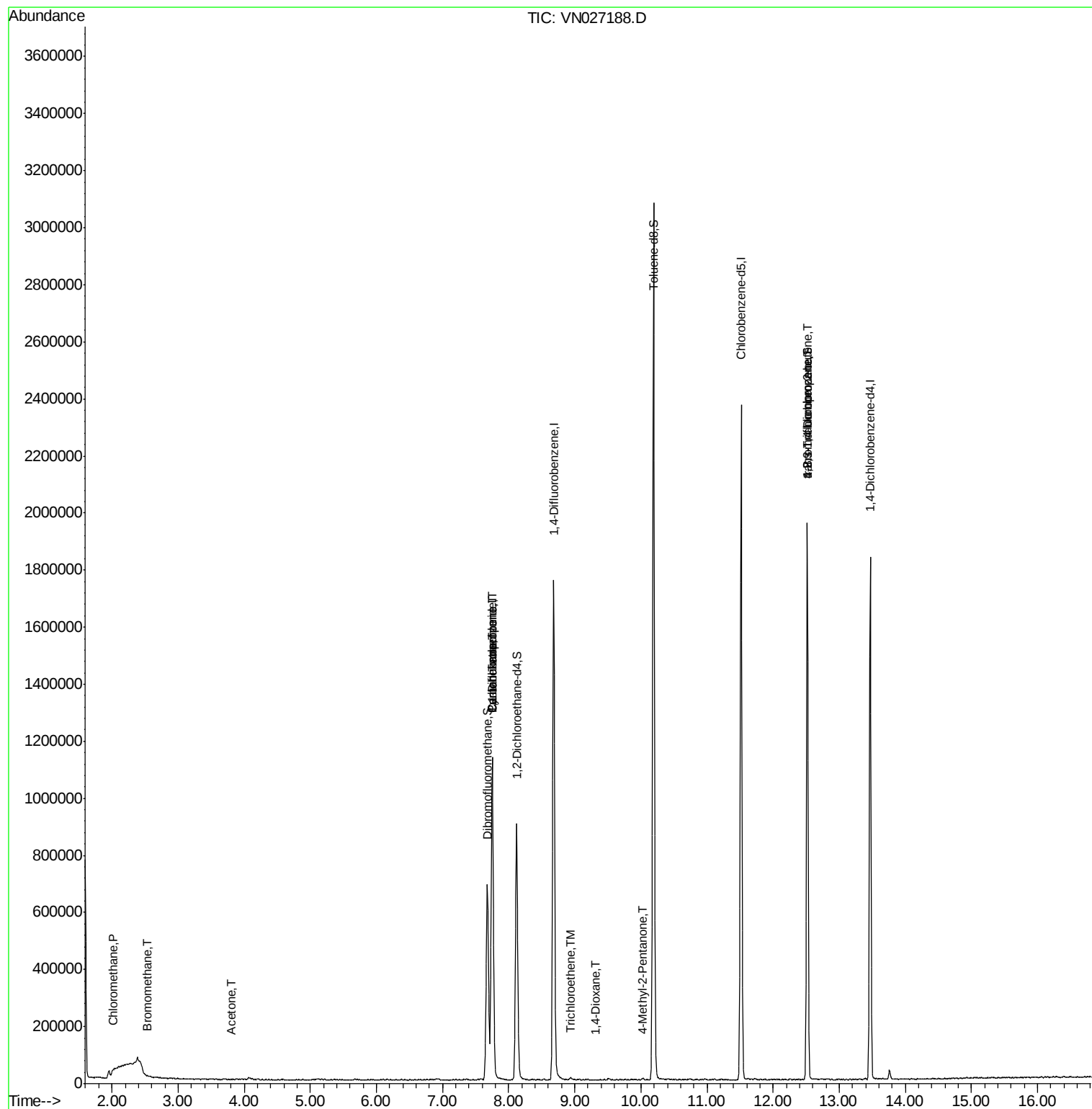
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	2515	1.34	ug/l #	47
6) Bromomethane	2.54	94	135	1.62	ug/l #	12
17) Acetone	3.81	43	1044	0.24	ug/l #	43
32) Cyclohexane	7.75	56	24908	0.20	ug/l #	3
37) 1,1-Dichloropropene	7.75	75	81551	4.97	ug/l #	52
38) Ethyl Acetate	7.01	43	351	Below Cal	#	1
39) Carbon Tetrachloride	7.75	117	91464	5.92	ug/l #	16
45) Trichloroethene	8.94	130	2676	0.28	ug/l	66
50) 1,4-Dioxane	9.31	88	31	0.20	ug/l #	1
52) 4-Methyl-2-Pentanone	10.02	43	2801	0.20	ug/l #	38
76) 1,1,2,2-Tetrachloroethane	12.61	83	282	Below Cal	#	77
77) 1,2,3-Trichloropropane	12.52	75	385576	31.17	ug/l #	1
82) trans-1,4-Dichloro-2-buten	12.52	75	385576	76.55	ug/l #	4
93) 1,2-Dibromo-3-Chloropropan	14.40	75	132	Below Cal	#	9

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

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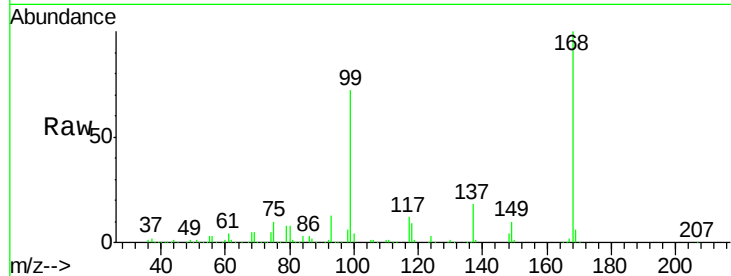




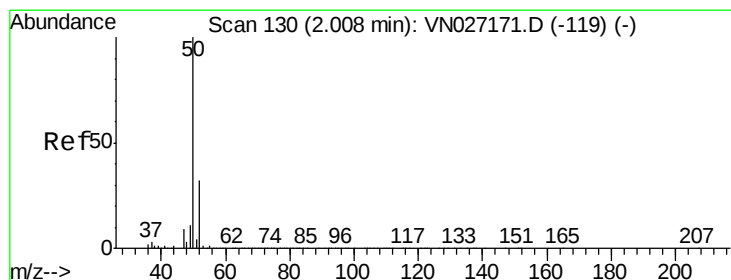
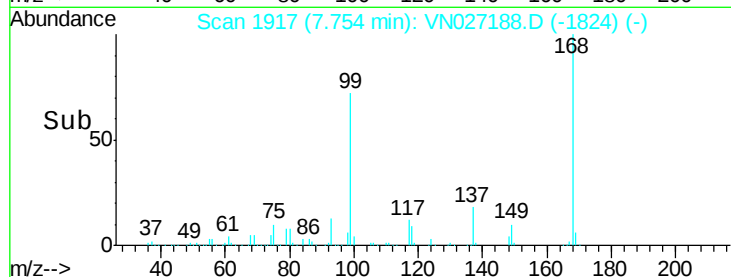
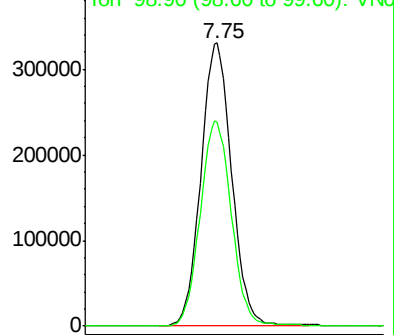
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Instrument :
MSVOA_N
ClientSampleId :
S39-0098

Tot Ion:168 Resp: 787419
Ion Ratio Lower Upper
168 100
99 72.0 50.4 75.6

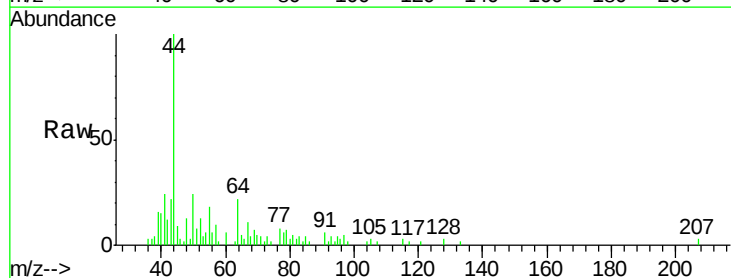


Abundance Ion 167.90 (167.60 to 168.60): V

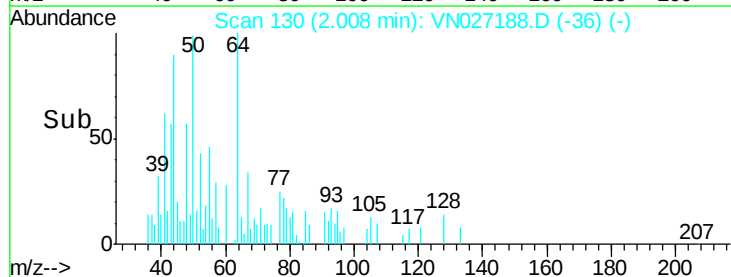
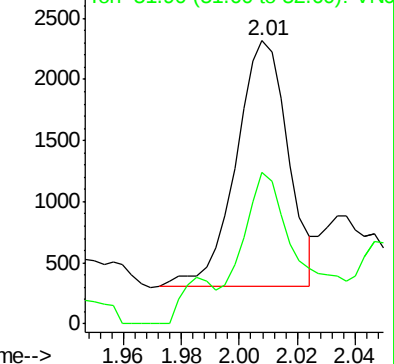


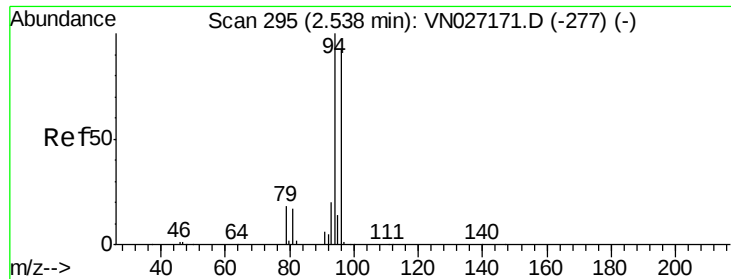
#4
Chloromethane
Concen: 1.34 ug/l
RT: 2.01 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Tgt Ion: 50 Resp: 2515
Ion Ratio Lower Upper
50 100
52 62.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO





#6

Bromomethane

Concen: 1.62 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Instrument :

MSVOA_N

ClientSampled :

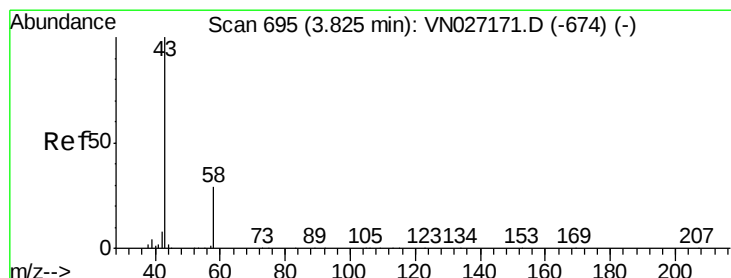
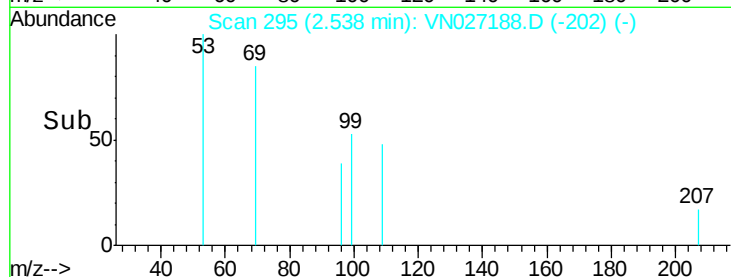
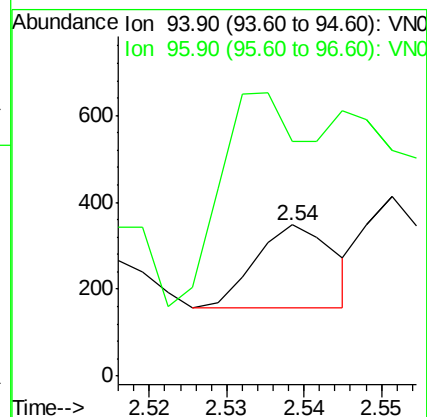
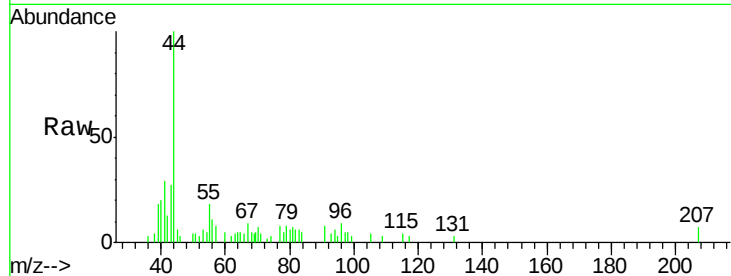
S39-0098

Tot Ion: 94 Resp: 135

Ion Ratio Lower Upper

94 100

96 175.4 73.4 110.2#



#17

Acetone

Concen: 0.24 ug/l

RT: 3.81 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN027188.D

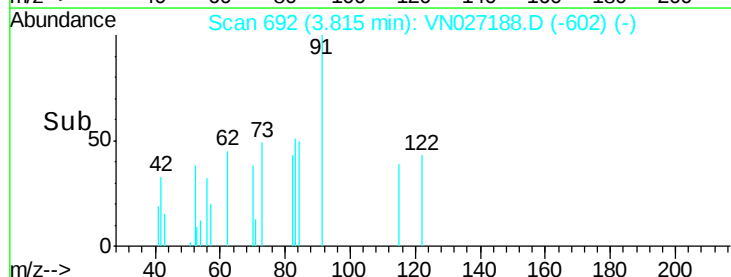
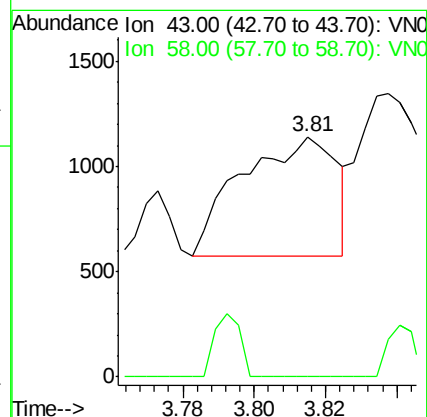
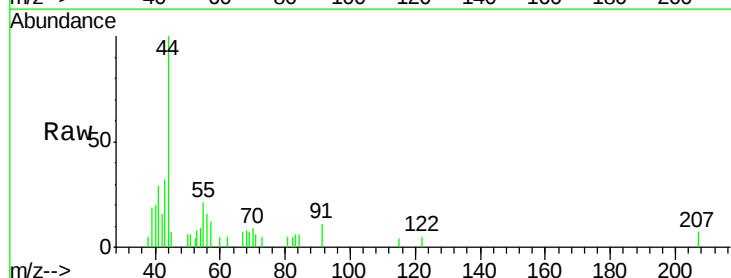
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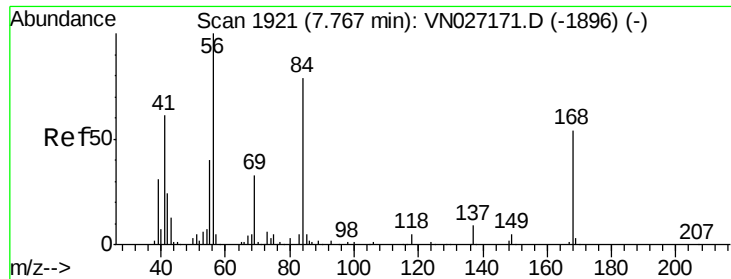
Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#

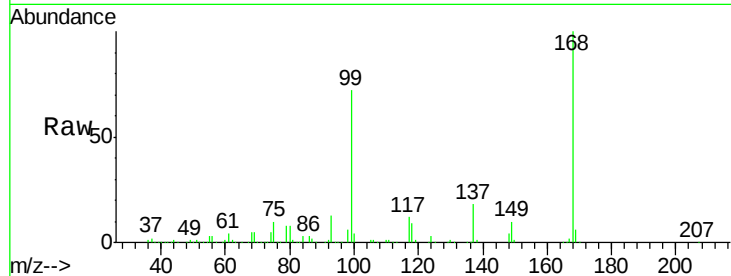




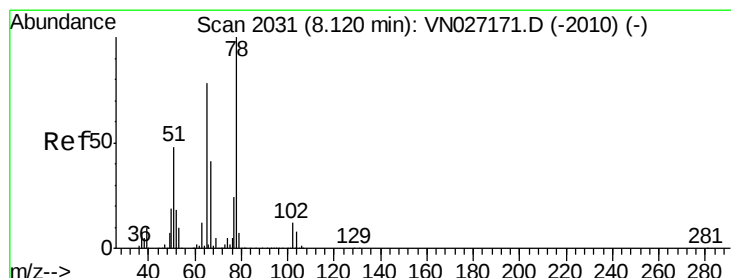
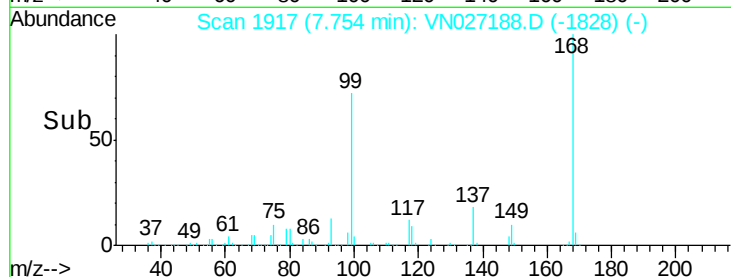
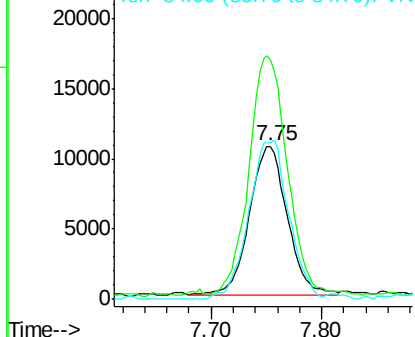
#32
Cyclohexane
Concen: 0.20 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Instrument :
MSVOA_N
ClientSampled :
S39-0098

Tot Ion: 56 Resp: 24908
Ion Ratio Lower Upper
56 100
69 157.0 23.0 34.4#
84 106.0 57.8 86.8#

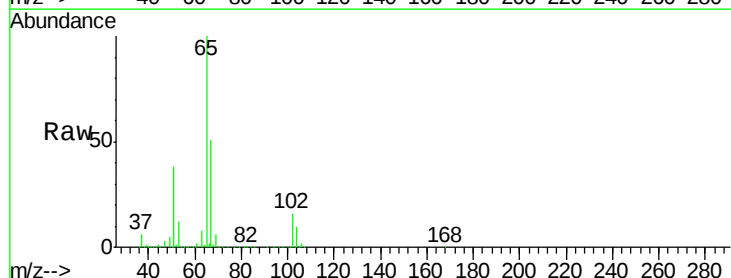


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

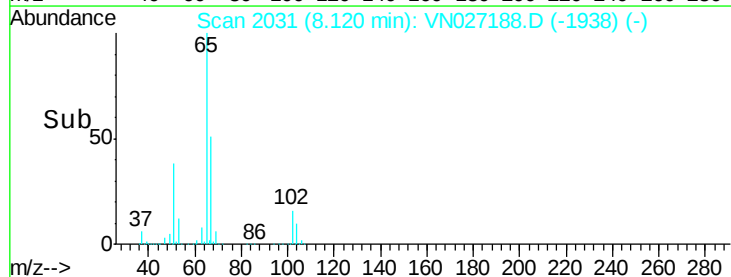
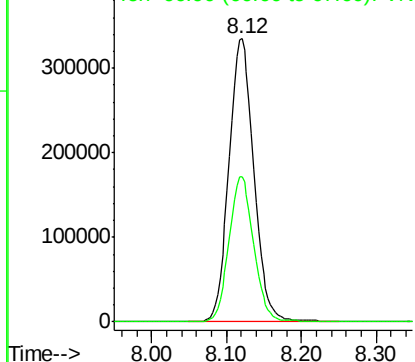


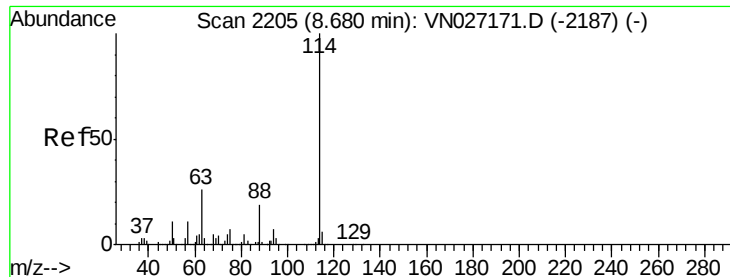
#34
1,2-Dichloroethane-d4
Concen: 48.00 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Tgt Ion: 65 Resp: 774446
Ion Ratio Lower Upper
65 100
67 50.5 0.0 110.6



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

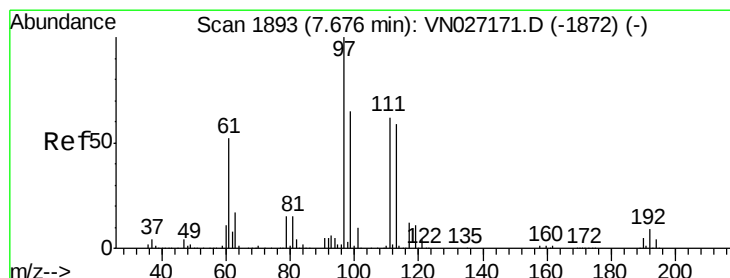
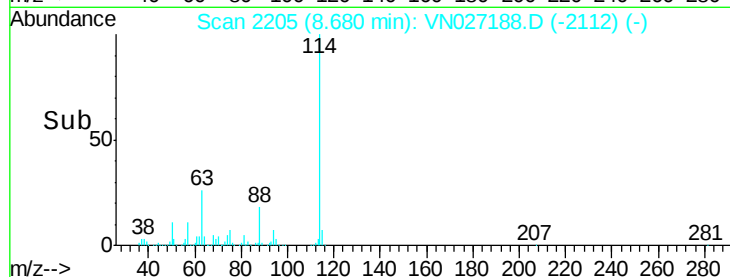
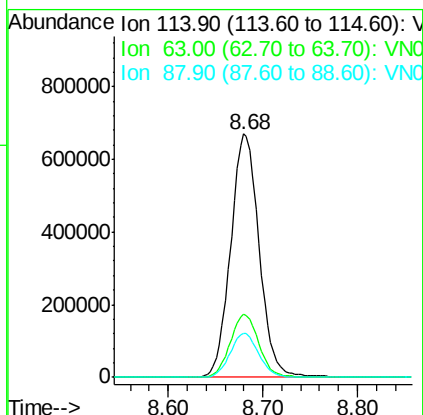
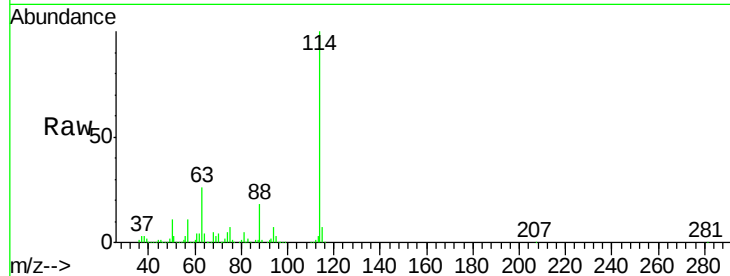




#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027188.D
 Acq: 16 Sep 2015 3:29

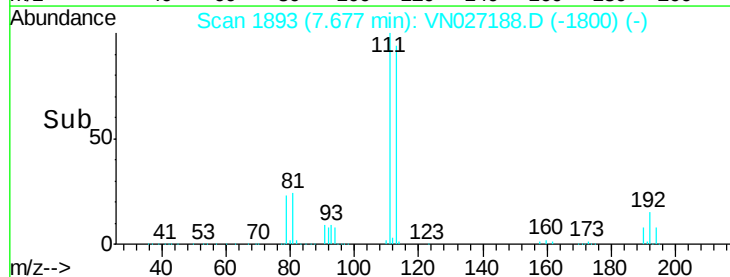
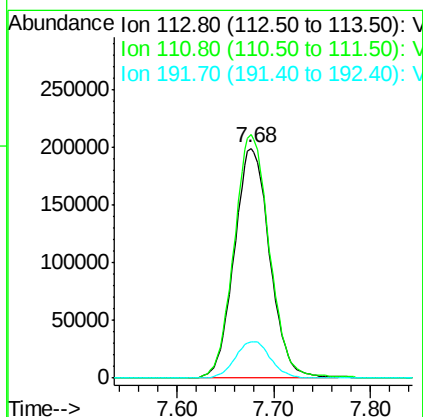
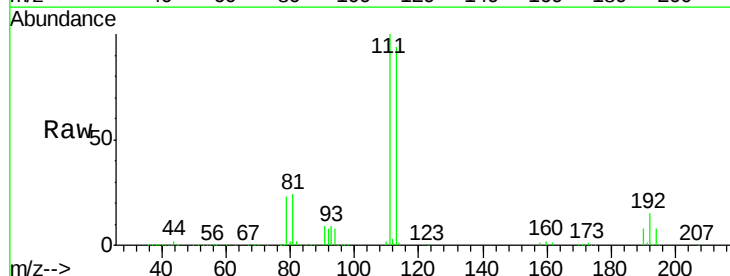
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0098

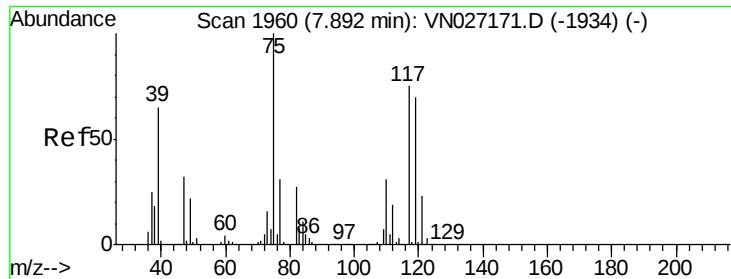
Tot Ion:114 Resp: 1402783
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 48.8
 88 18.3 0.0 32.2



#36
 Dibromofluoromethane
 Concen: 52.22 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027188.D
 Acq: 16 Sep 2015 3:29

Tgt Ion:113 Resp: 507789
 Ion Ratio Lower Upper
 113 100
 111 106.2 83.0 124.4
 192 15.9 14.1 21.1

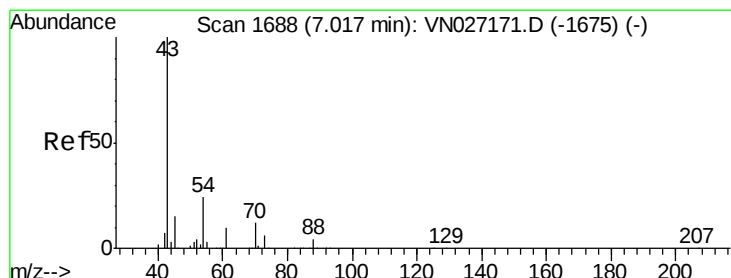
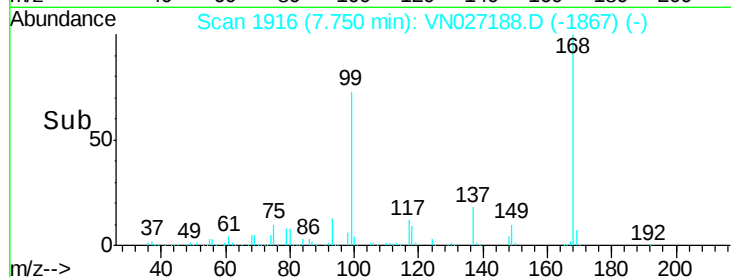
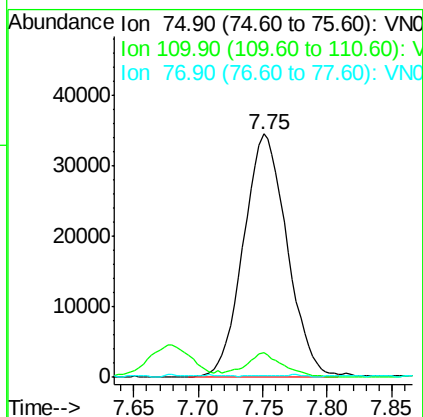
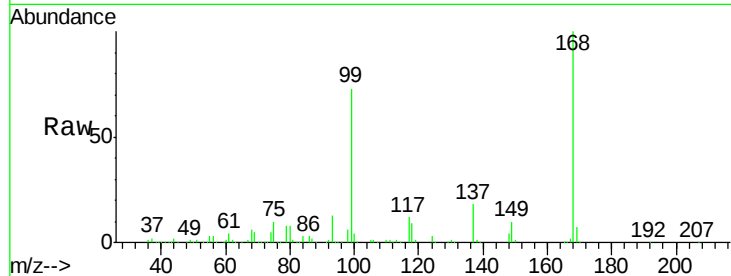




#37
 1,1-Dichloropropene
 Concen: 4.97 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027188.D
 Acq: 16 Sep 2015 3:29

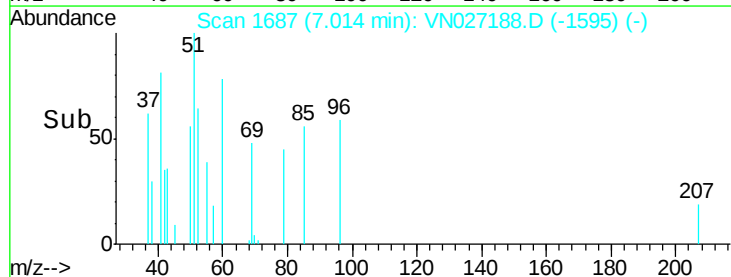
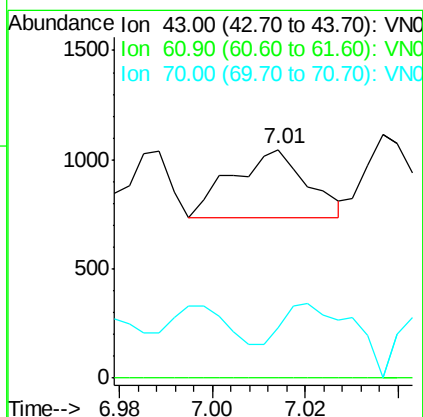
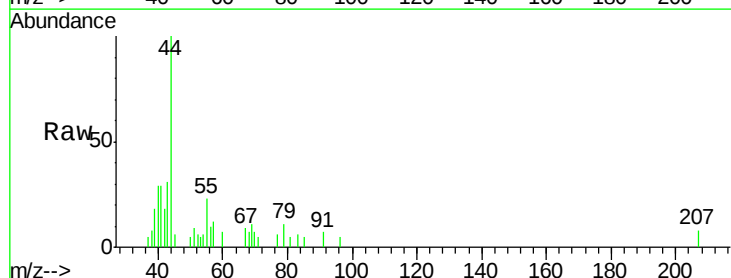
Instrument :
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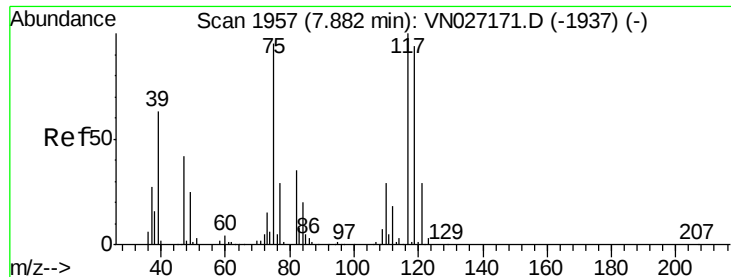
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.7#
77	0.6	24.9	37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027188.D
 Acq: 16 Sep 2015 3:29

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.4#
70	106.3	7.4	11.0#





#39

Carbon Tetrachloride

Concen: 5.92 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.13 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Instrument :

MSVOA_N

ClientSampled :

S39-0098

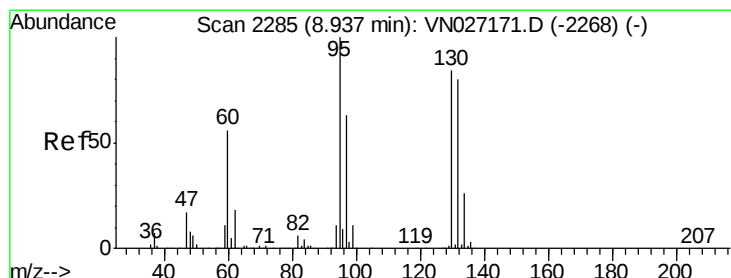
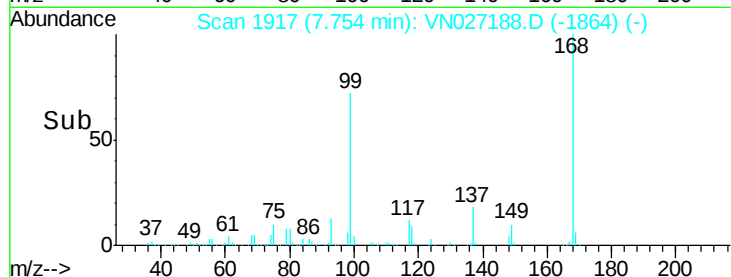
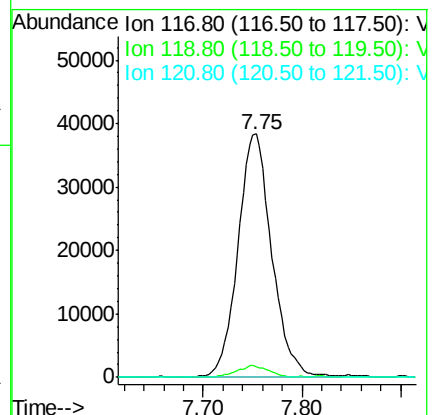
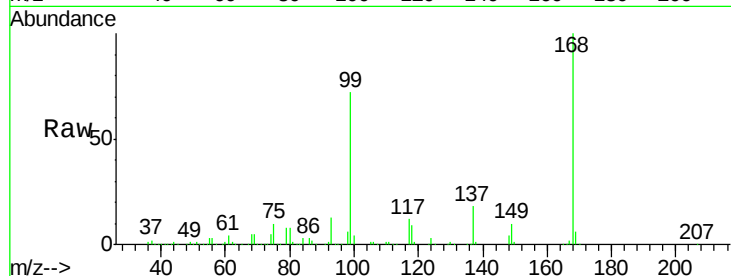
Tot Ion:117 Resp: 91464

Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

121 0.0 23.8 35.8#



#45

Trichloroethene

Concen: 0.28 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027188.D

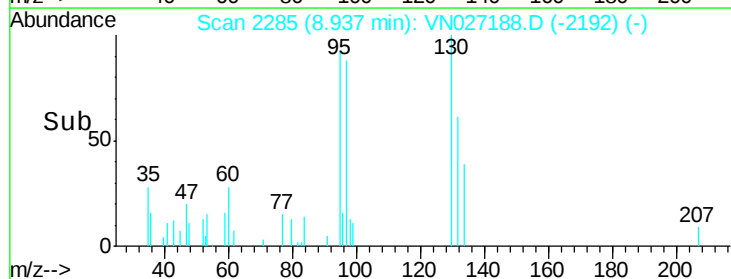
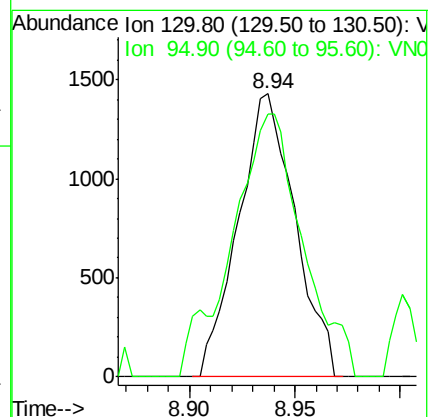
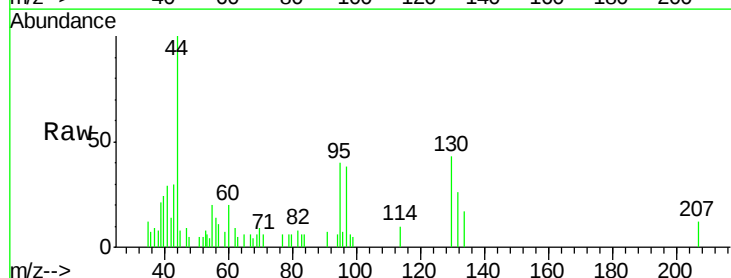
Acq: 16 Sep 2015 3:29

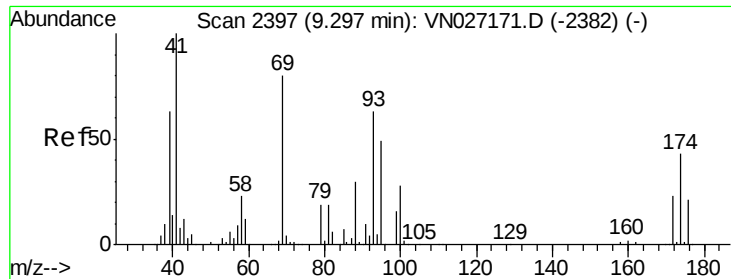
Tgt Ion:130 Resp: 2676

Ion Ratio Lower Upper

130 100

95 74.9 0.0 222.2

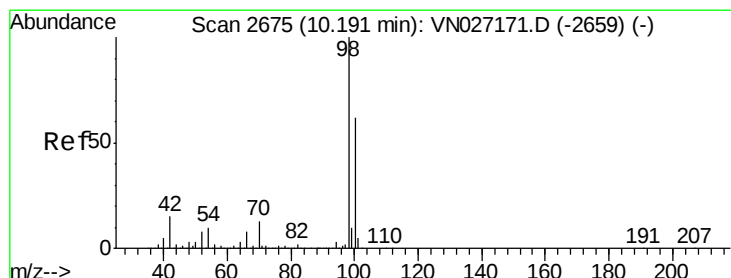
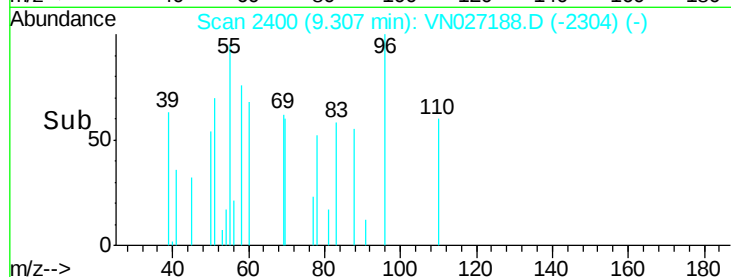
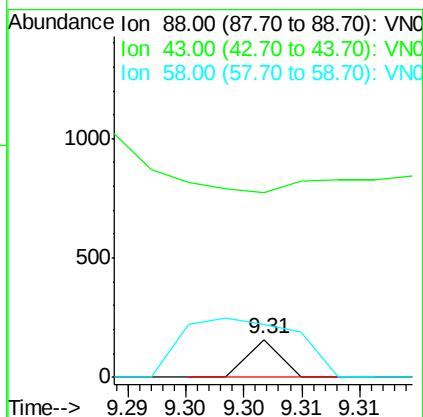
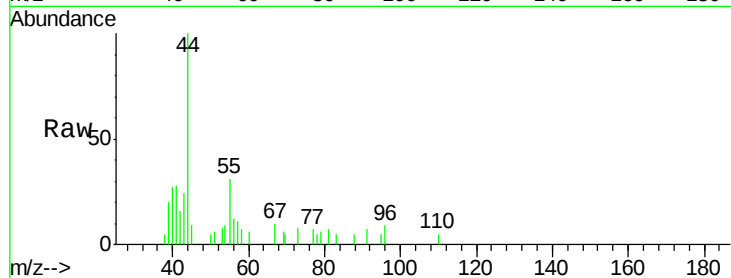




#50
1,4-Dioxane
Concen: 0.20 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.01 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

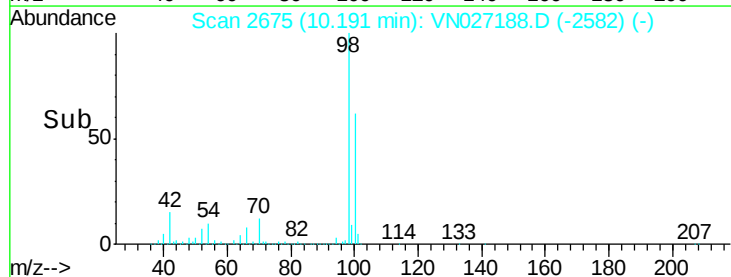
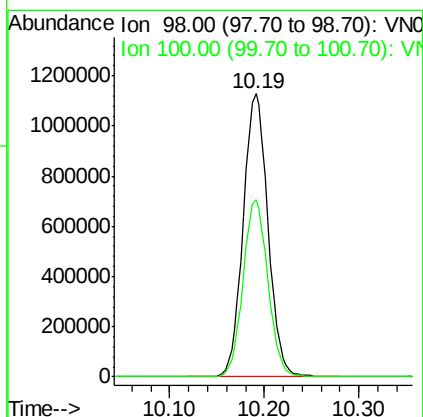
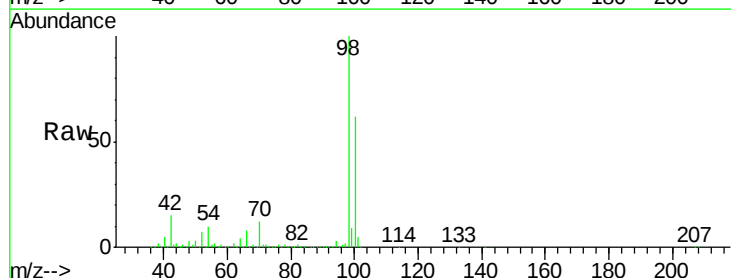
Instrument :
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S39-0098

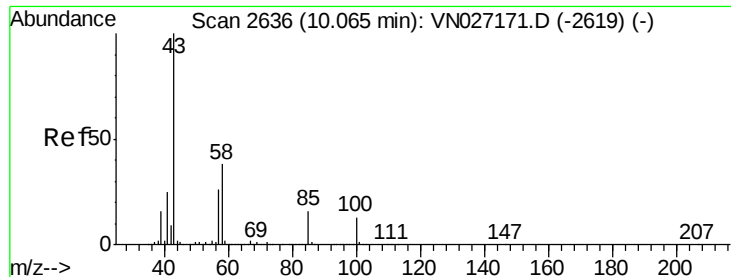
Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 345.2 27.6 41.4#
58 548.4 63.1 94.7#



#51
Toluene-d8
Concen: 53.93 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Tgt Ion: 98 Resp: 2053325
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7





#52

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 10.02 min Scan# 2623

Delta R.T. -0.04 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Instrument :

MSVOA_N

ClientSampleId :

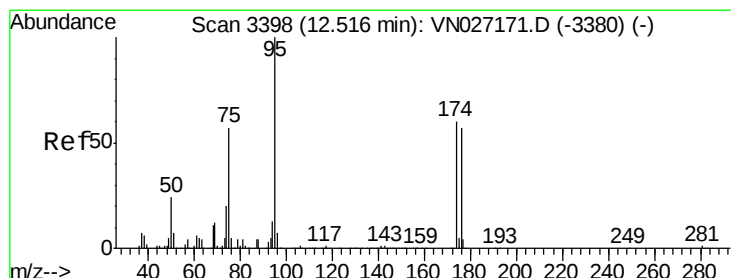
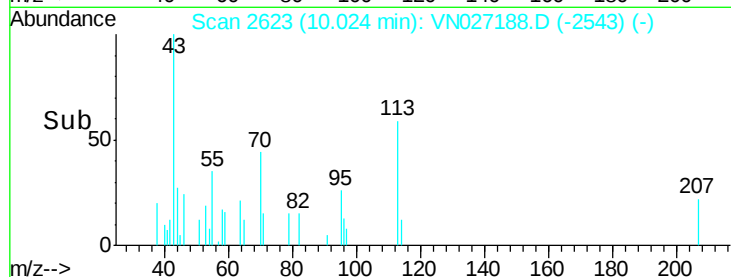
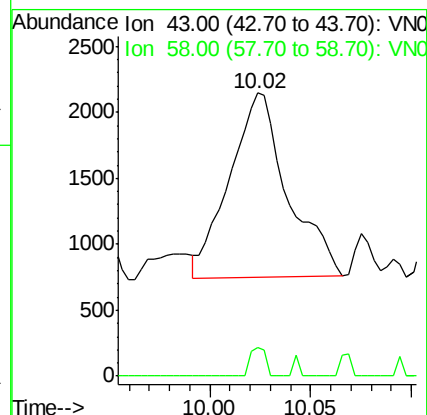
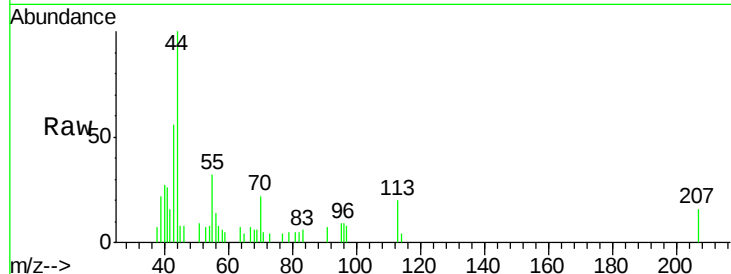
S39-0098

Tot Ion: 43 Resp: 2801

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



#63

4-Bromofluorobenzene

Concen: 50.71 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

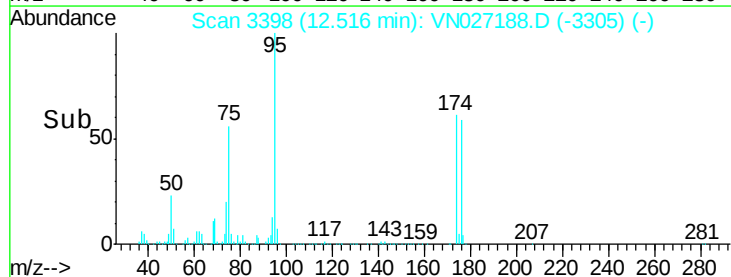
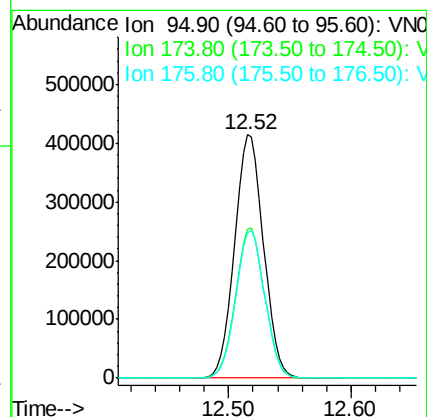
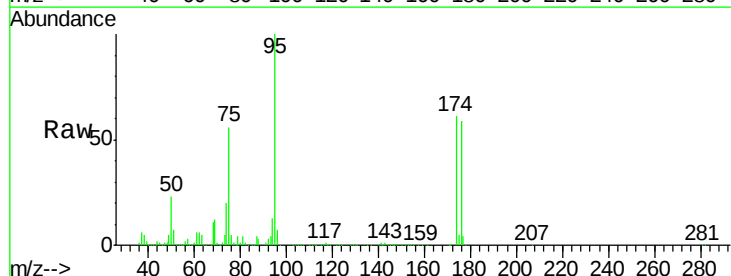
Tgt Ion: 95 Resp: 685334

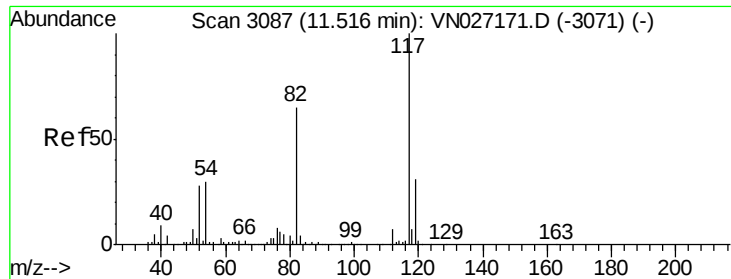
Ion Ratio Lower Upper

95 100

174 61.5 0.0 137.0

176 60.6 0.0 130.8

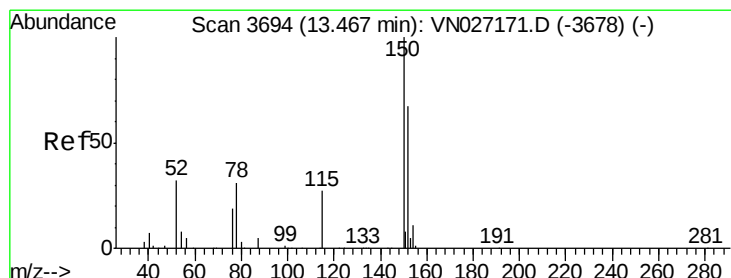
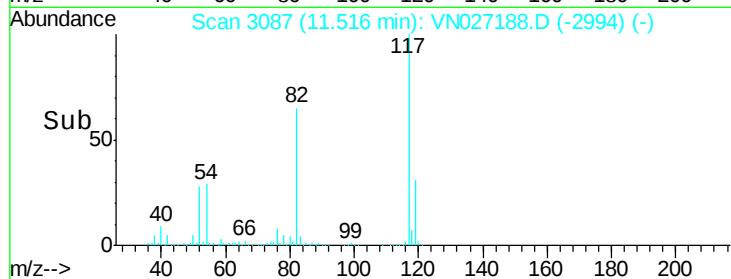
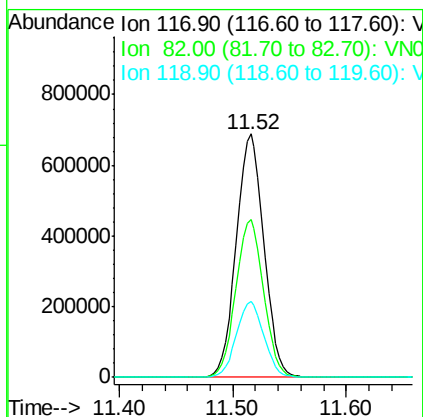
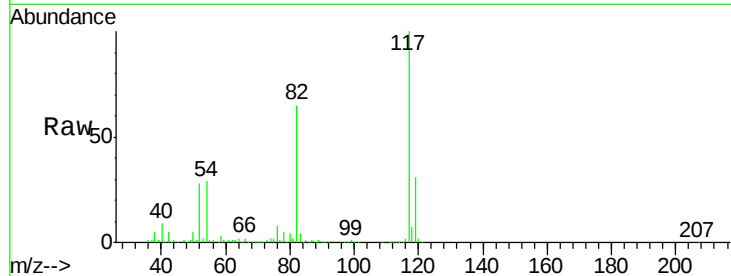




#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

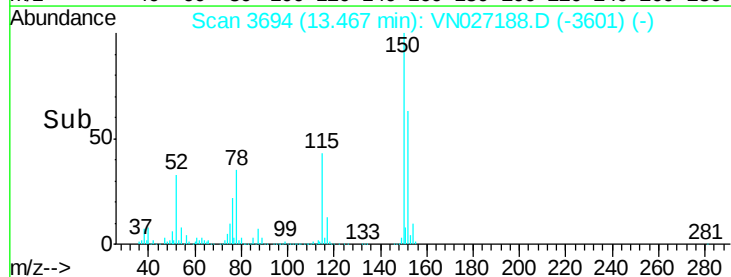
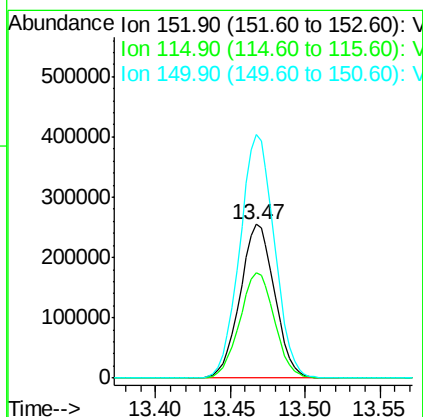
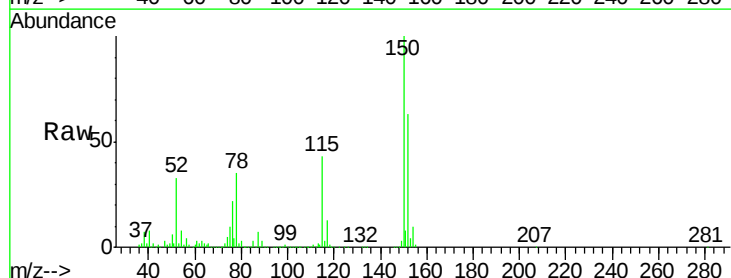
Instrument :
MSVOA_N
ClientSampleId :
S39-0098

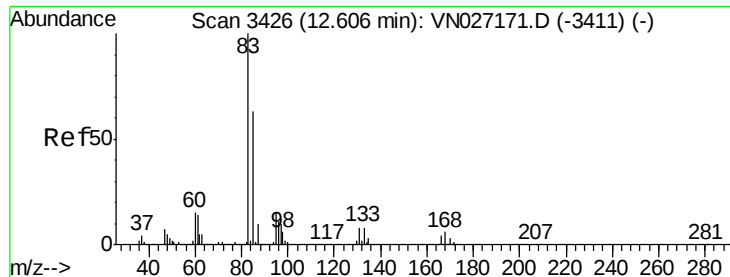
Tot Ion:117 Resp: 1173771
Ion Ratio Lower Upper
117 100
82 64.8 49.6 74.4
119 31.0 24.6 36.8



#73
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.47 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN027188.D
Acq: 16 Sep 2015 3:29

Tgt Ion:152 Resp: 409350
Ion Ratio Lower Upper
152 100
115 68.6 30.8 92.3
150 159.0 0.0 345.0





#76

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Instrument :

MSVOA_N

ClientSampled :

S39-0098

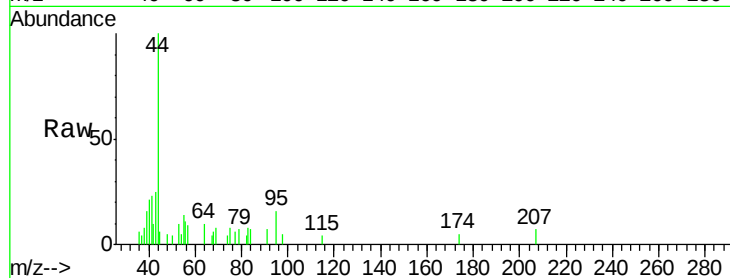
Tot Ion: 83 Resp: 282

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

85 46.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.61

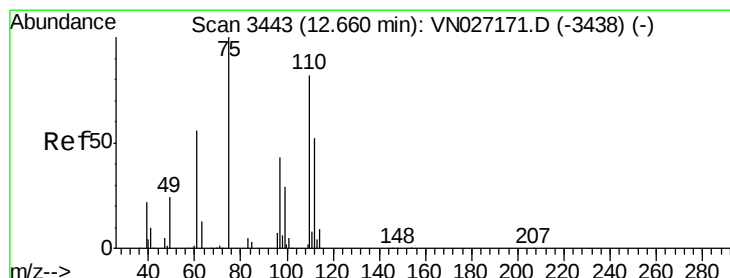
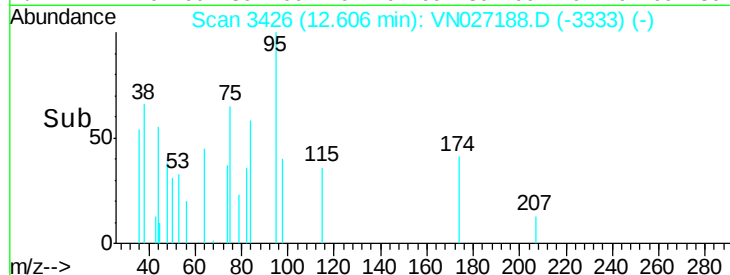
300

200

100

0

Time--> 12.58 12.60 12.62



#77

1,2,3-Trichloropropane

Concen: 31.17 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027188.D

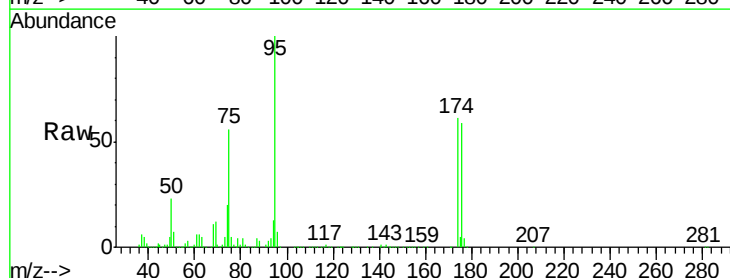
Acq: 16 Sep 2015 3:29

Tgt Ion: 75 Resp: 385576

Ion Ratio Lower Upper

75 100

77 1.3 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.52

250000

200000

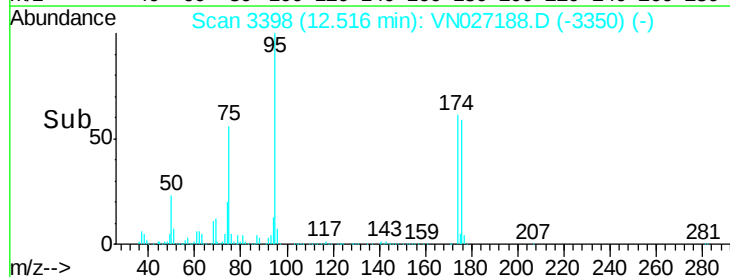
150000

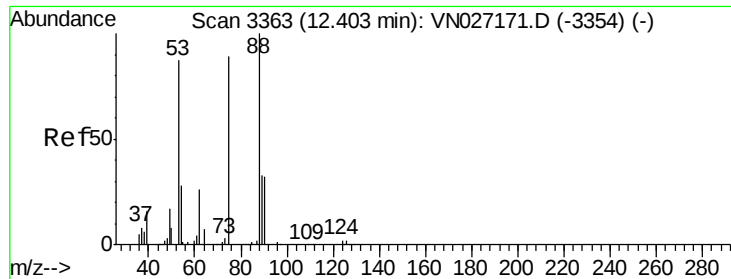
100000

50000

0

Time--> 12.50 12.60





#82

trans-1,4-Dichloro-2-butene

Concen: 76.55 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Instrument :

MSVOA_N

ClientSampleId :

S39-0098

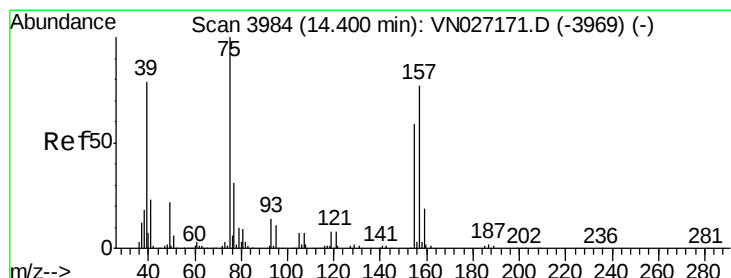
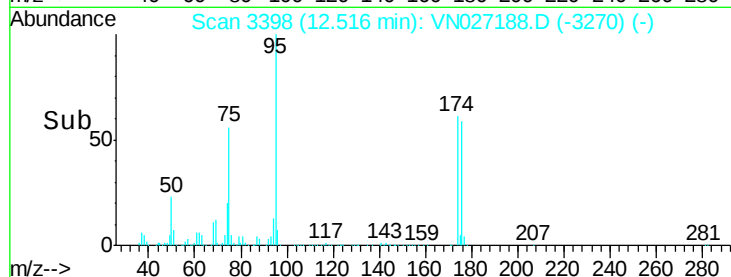
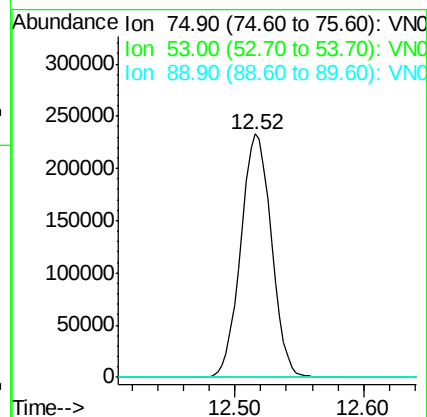
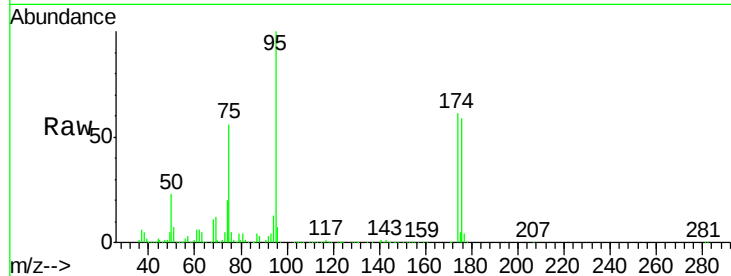
Tot Ion: 75 Resp: 385576

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

89 0.0 34.2 51.4#



#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.40 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VN027188.D

Acq: 16 Sep 2015 3:29

Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.9#

157 0.0 44.6 133.8#

