

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027190.D
 Acq On : 16 Sep 2015 4:25
 Operator : MD\FY
 Sample : G3629-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0103

Quant Time: Sep 16 05:24:49 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	806126	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1441097	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1211346	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	424669	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	795116	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
36) Dibromofluoromethane	7.68	113	516622	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
51) Toluene-d8	10.19	98	2101470	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
63) 4-Bromofluorobenzene	12.52	95	694165	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	

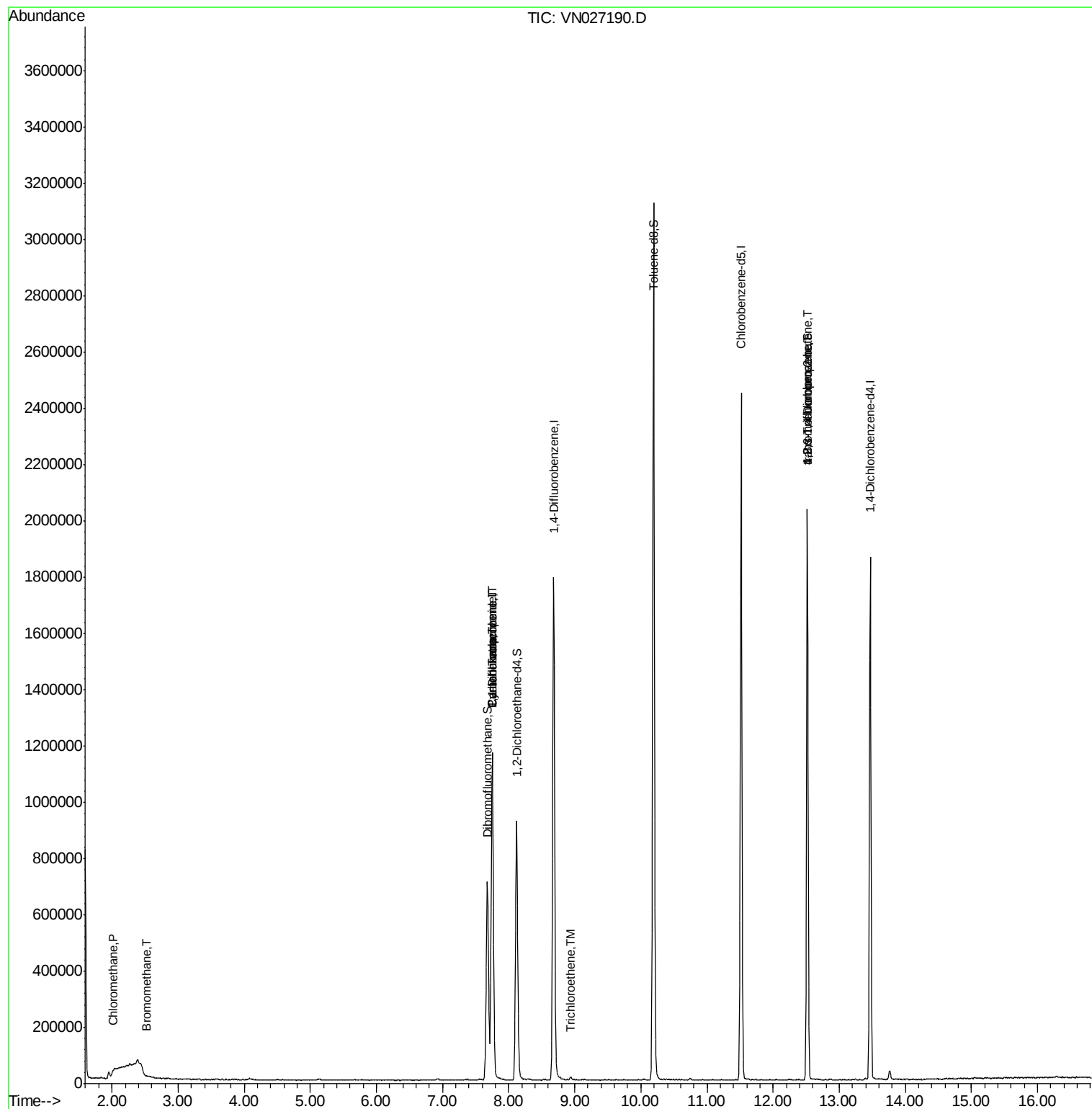
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.01	50	4545	1.52	ug/l	92
6) Bromomethane	2.53	94	293	1.65	ug/l	# 47
32) Cyclohexane	7.75	56	26033	0.23	ug/l	# 1
37) 1,1-Dichloropropene	7.75	75	83010	4.92	ug/l	# 52
38) Ethyl Acetate	7.02	43	238	Below Cal	#	36
39) Carbon Tetrachloride	7.75	117	91804	5.79	ug/l	# 16
45) Trichloroethene	8.93	130	2460	0.25	ug/l	83
76) 1,1,2,2-Tetrachloroethane	12.60	83	381	Below Cal	#	35
77) 1,2,3-Trichloropropane	12.52	75	399285	31.11	ug/l	# 1
82) trans-1,4-Dichloro-2-buten	12.52	75	399285	76.42	ug/l	# 4
93) 1,2-Dibromo-3-Chloropropan	14.35	75	59	Below Cal	#	9

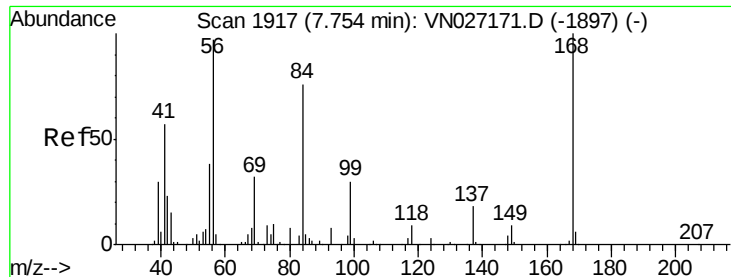
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampleId :

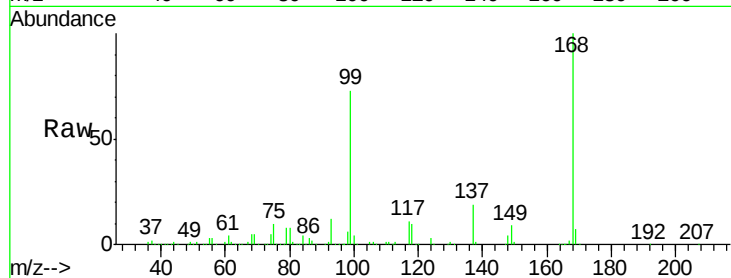
S39-0103

Tot Ion:168 Resp: 806126

Ion Ratio Lower Upper

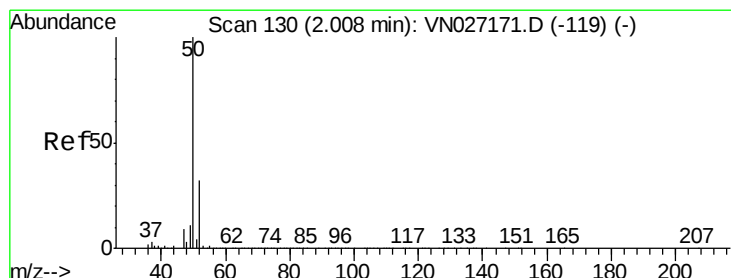
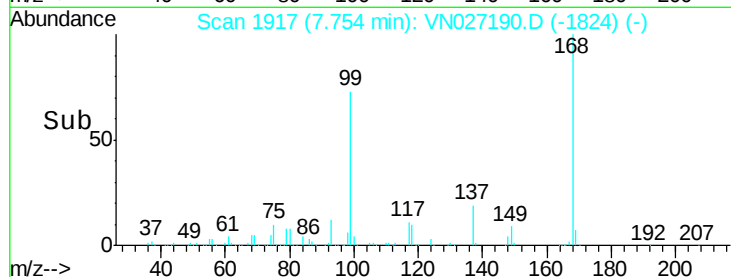
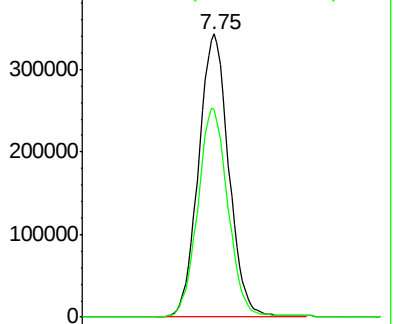
168 100

99 73.2 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Chloromethane

Concen: 1.52 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027190.D

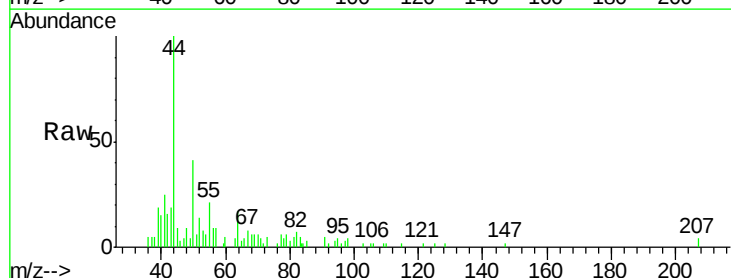
Acq: 16 Sep 2015 4:25

Tgt Ion: 50 Resp: 4545

Ion Ratio Lower Upper

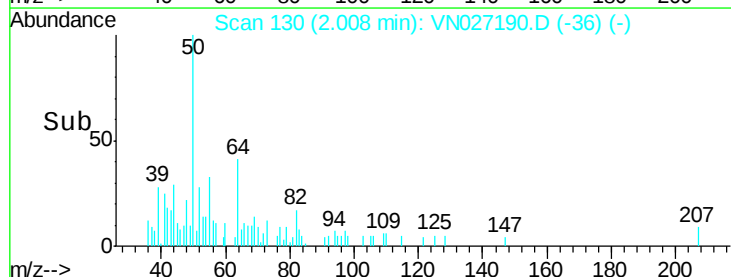
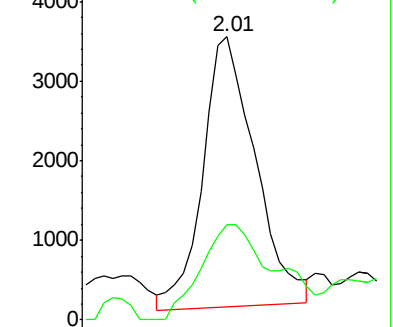
50 100

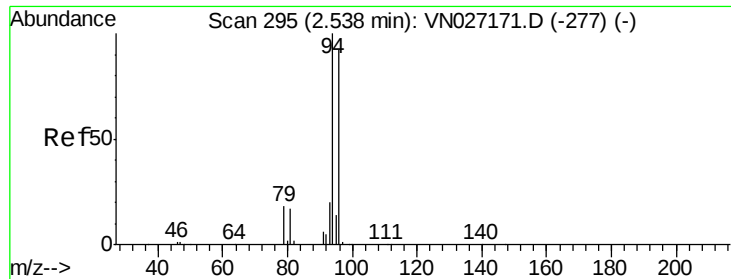
52 36.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 1.65 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.01 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampled :

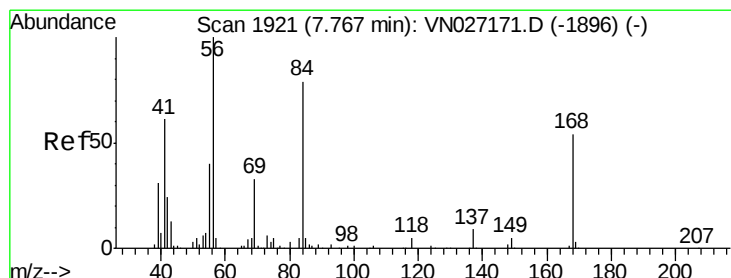
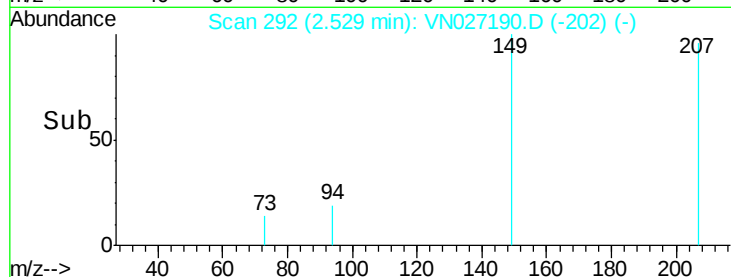
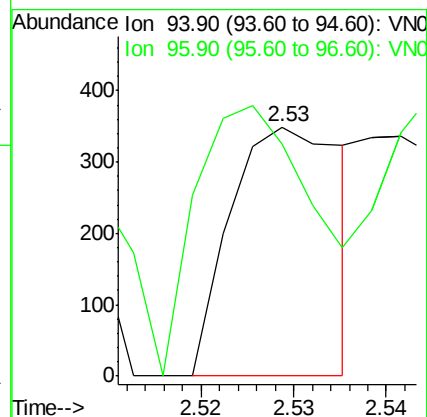
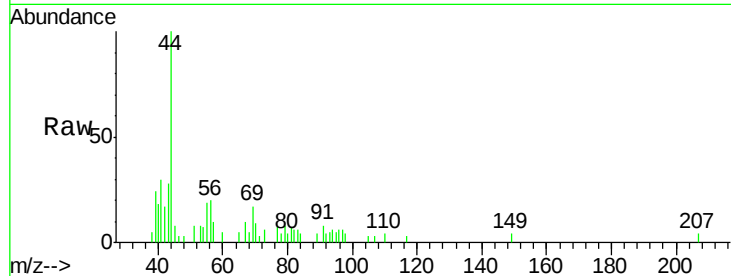
S39-0103

Tot Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 41.5 73.4 110.2#



#32

Cyclohexane

Concen: 0.23 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

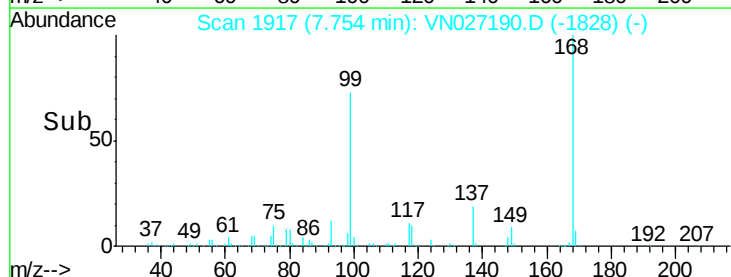
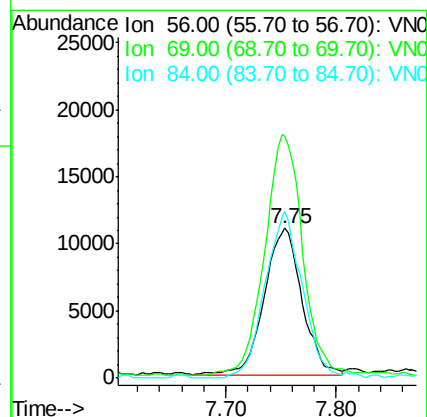
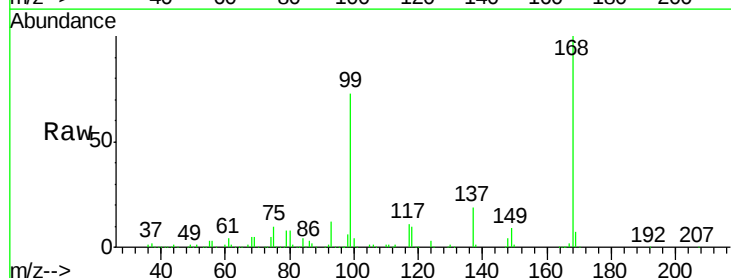
Tgt Ion: 56 Resp: 26033

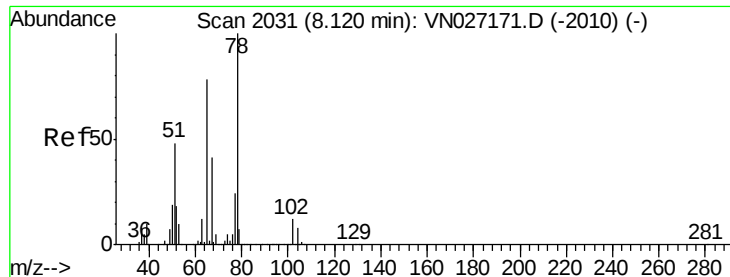
Ion Ratio Lower Upper

56 100

69 163.7 23.0 34.4#

84 113.7 57.8 86.8#





#34

1,2-Dichloroethane-d4

Concen: 48.14 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampleId :

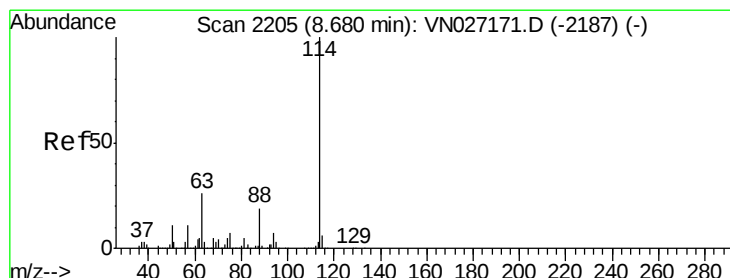
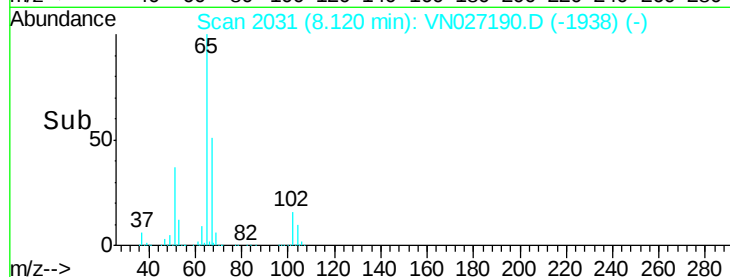
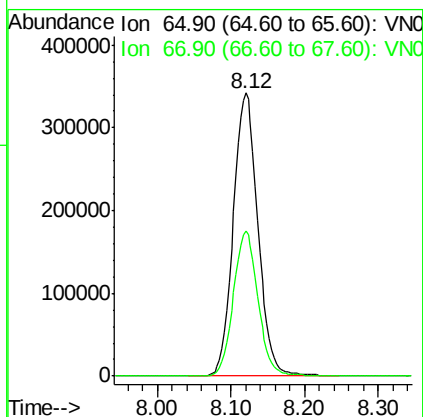
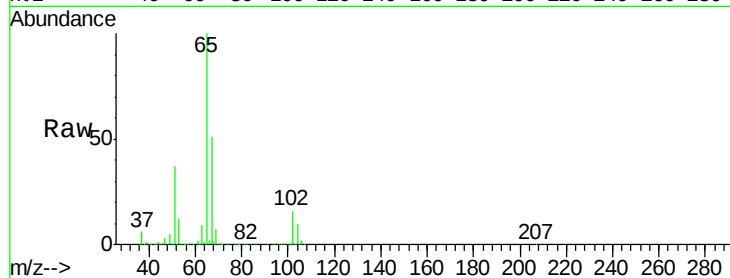
S39-0103

Tot Ion: 65 Resp: 795116

Ion Ratio Lower Upper

65 100

67 51.0 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: VN027190.D

Acq: 16 Sep 2015 4:25

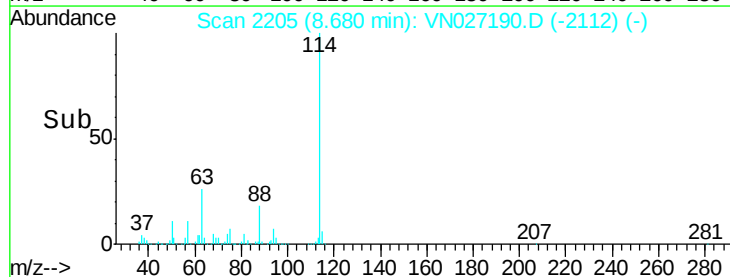
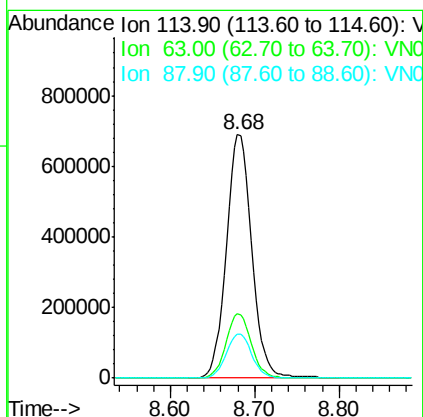
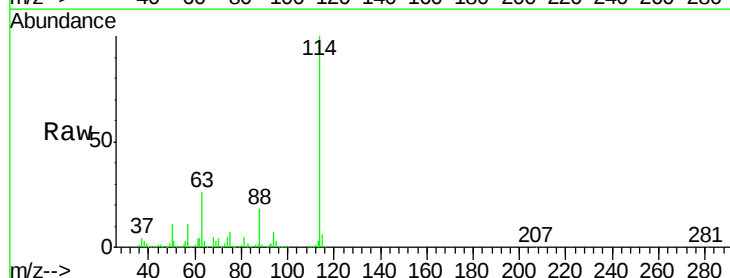
Tgt Ion: 114 Resp: 1441097

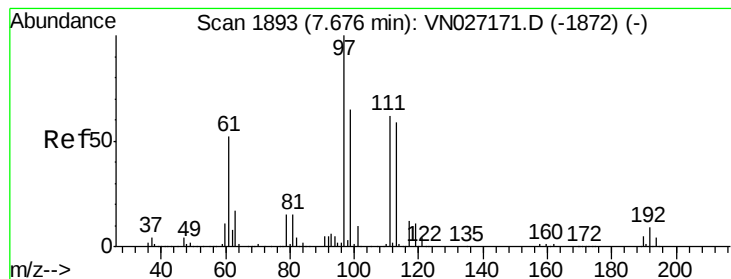
Ion Ratio Lower Upper

114 100

63 26.4 0.0 48.8

88 18.0 0.0 32.2





#36

Dibromofluoromethane

Concen: 51.72 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampled :

S39-0103

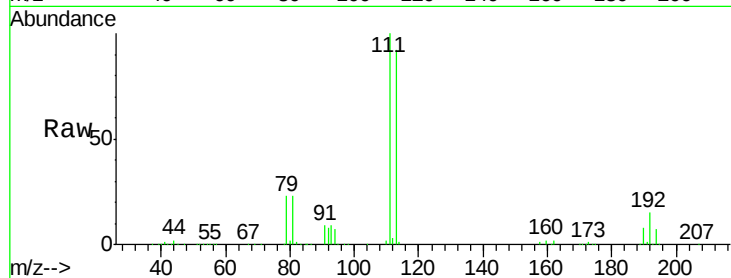
Tot Ion:113 Resp: 516622

Ion Ratio Lower Upper

113 100

111 104.8 83.0 124.4

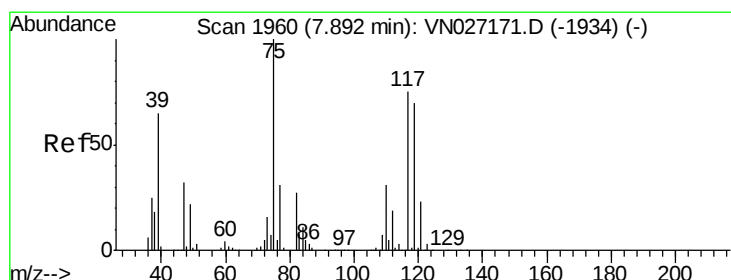
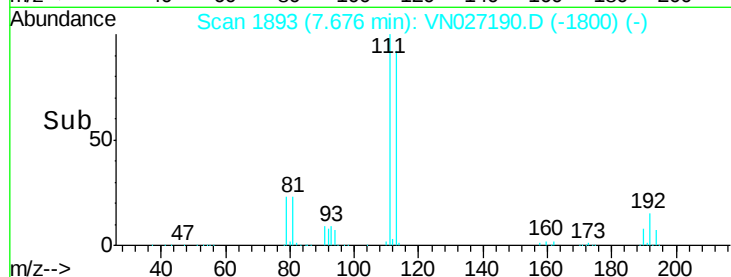
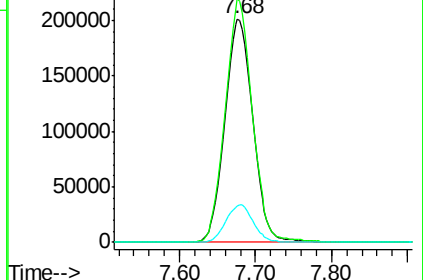
192 16.5 14.1 21.1



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: 4.92 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.14 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

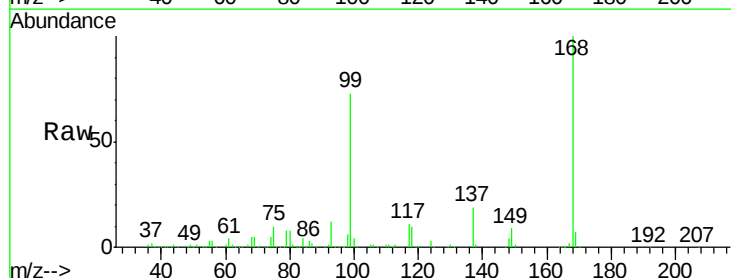
Tgt Ion: 75 Resp: 83010

Ion Ratio Lower Upper

75 100

110 9.0 15.9 47.7#

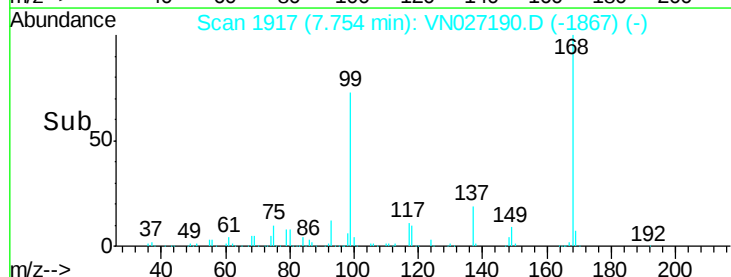
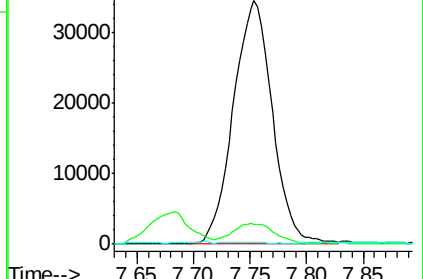
77 0.3 24.9 37.3#

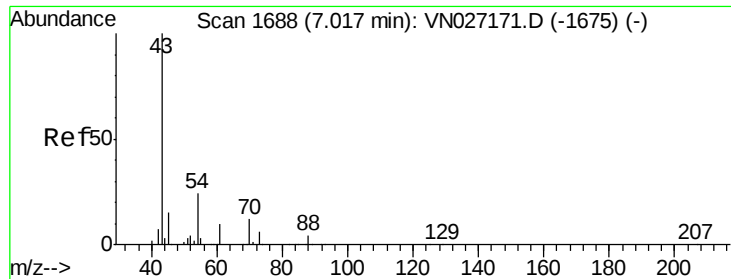


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Ethyl Acetate

Concen: Below Cal

RT: 7.02 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampled :

S39-0103

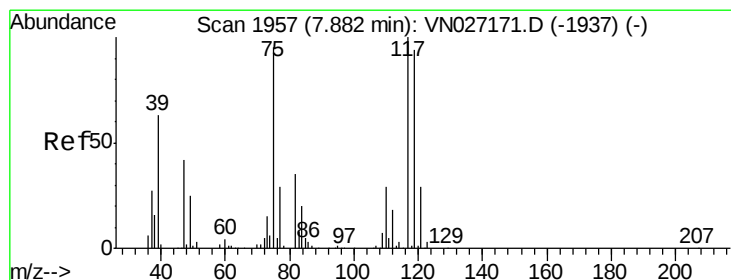
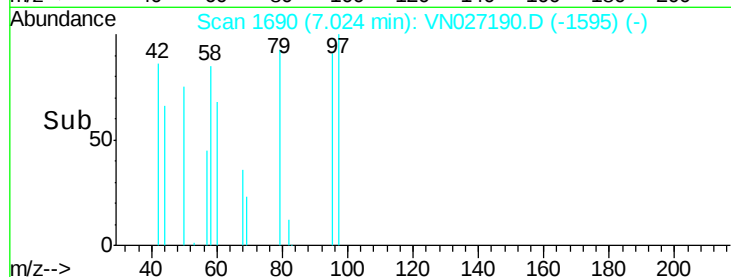
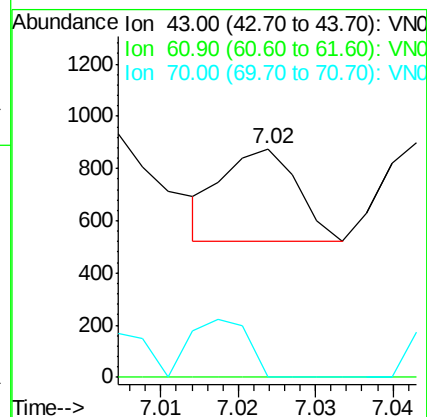
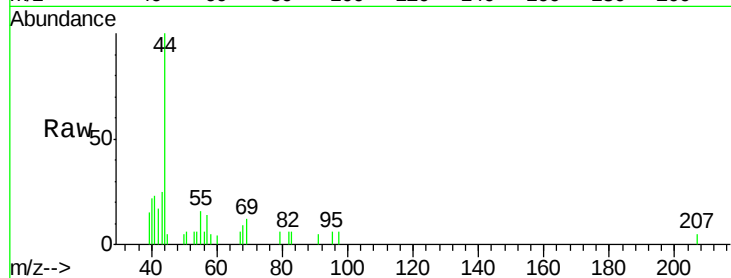
Tot Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 48.7 7.4 11.0#



#39

Carbon Tetrachloride

Concen: 5.79 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

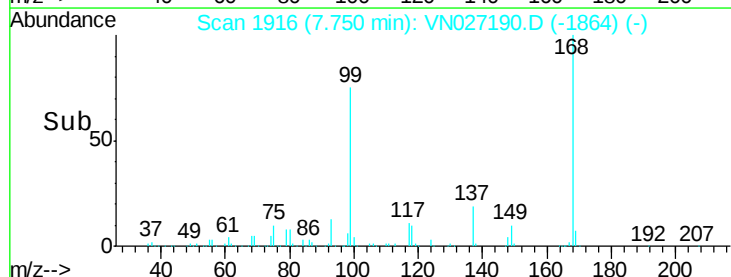
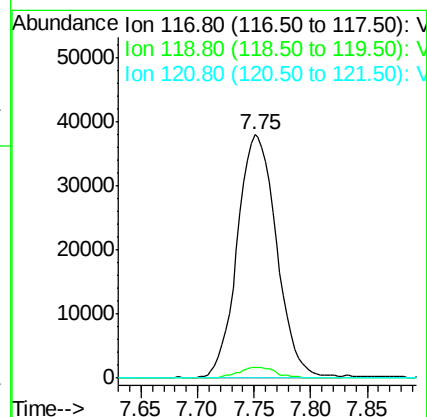
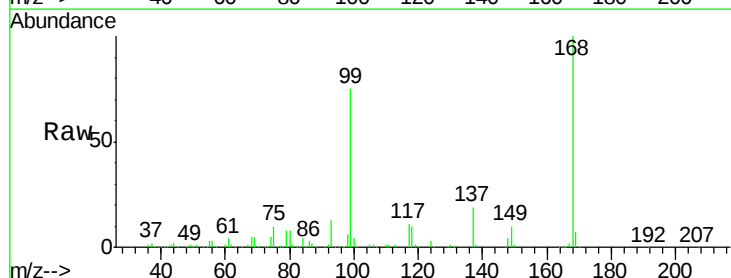
Tgt Ion: 117 Resp: 91804

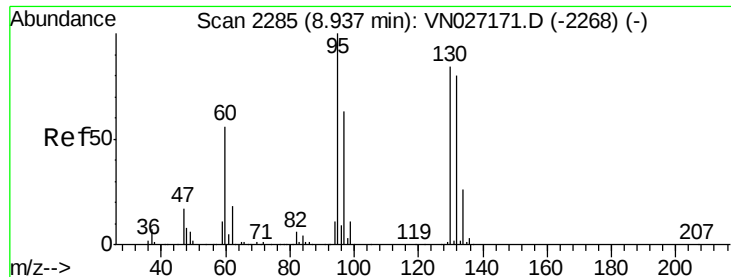
Ion Ratio Lower Upper

117 100

119 4.5 75.3 112.9#

121 0.0 23.8 35.8#





#45

Trichloroethene

Concen: 0.25 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampleId :

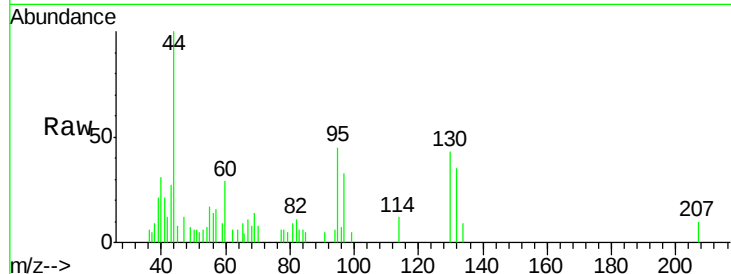
S39-0103

Tot Ion:130 Resp: 2460

Ion Ratio Lower Upper

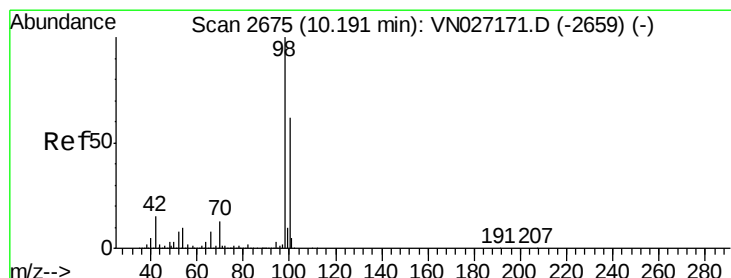
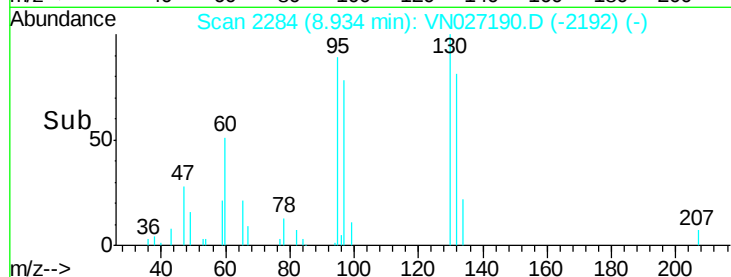
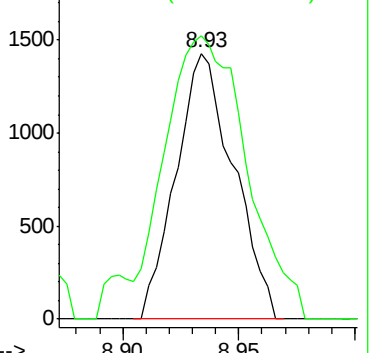
130 100

95 92.5 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#51

Toluene-d8

Concen: 53.73 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN027190.D

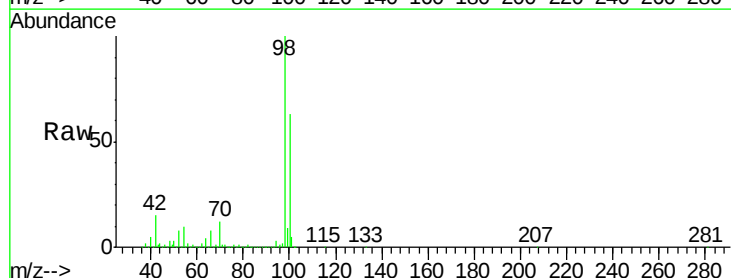
Acq: 16 Sep 2015 4:25

Tgt Ion: 98 Resp: 2101470

Ion Ratio Lower Upper

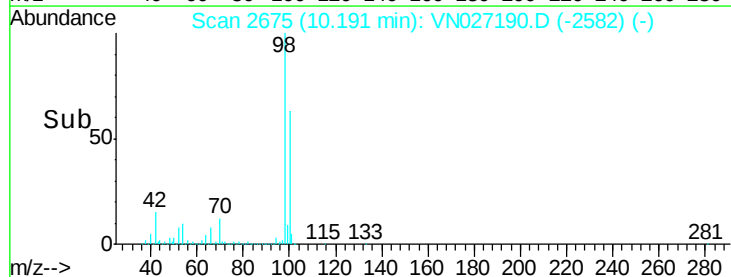
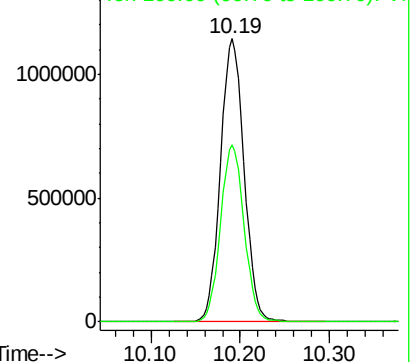
98 100

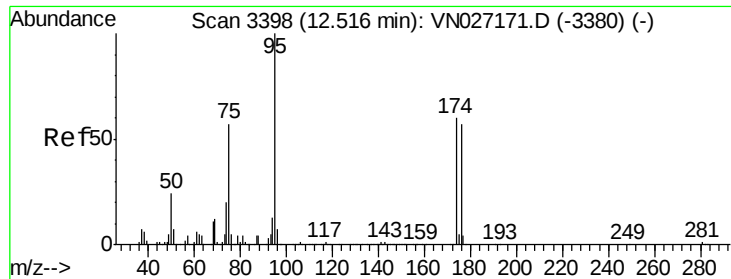
100 62.5 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

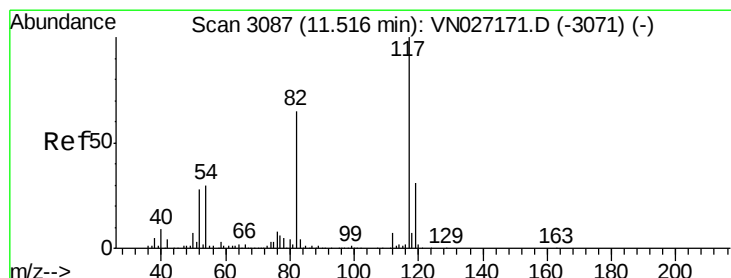
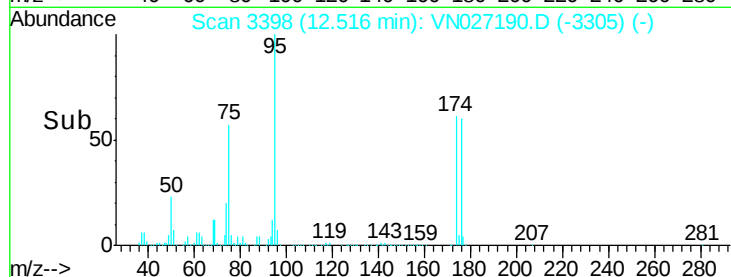
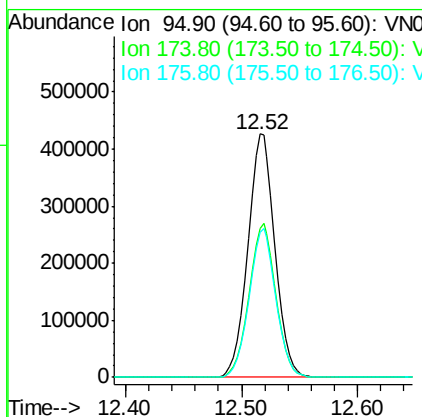
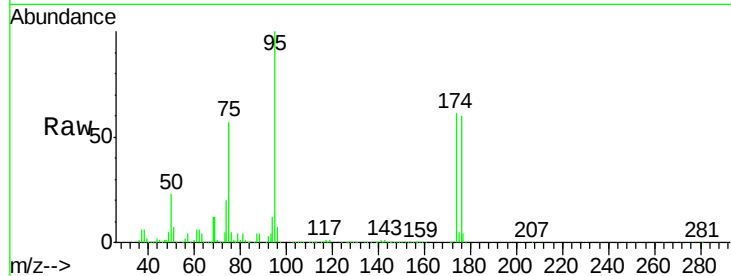




#63
4-Bromofluorobenzene
Concen: 50.00 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027190.D
Acq: 16 Sep 2015 4:25

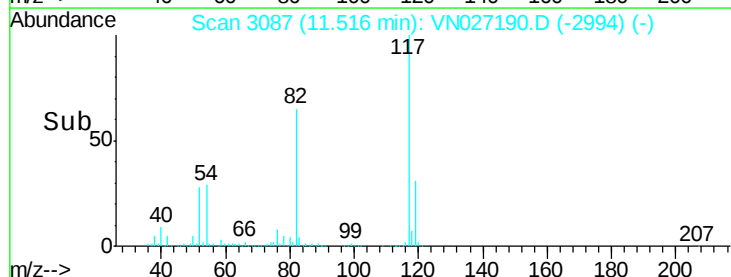
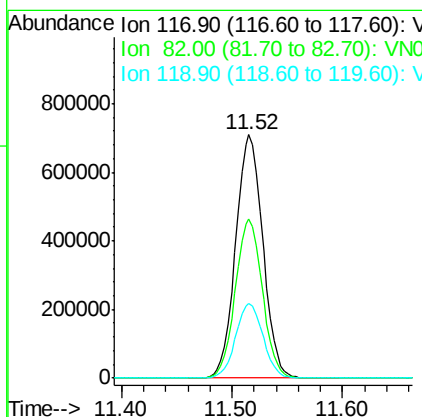
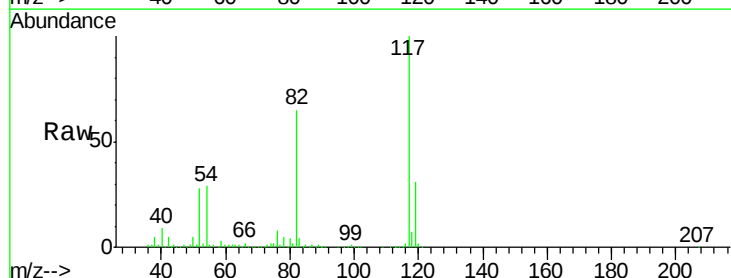
Instrument :
MSVOA_N
ClientSampled :
S39-0103

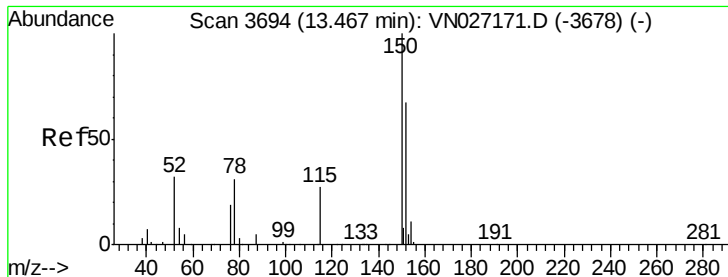
Tot Ion: 95 Resp: 694165
Ion Ratio Lower Upper
95 100
174 62.6 0.0 137.0
176 60.5 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VN027190.D
Acq: 16 Sep 2015 4:25

Tgt Ion: 117 Resp: 1211346
Ion Ratio Lower Upper
117 100
82 65.2 49.6 74.4
119 30.9 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: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampled :

S39-0103

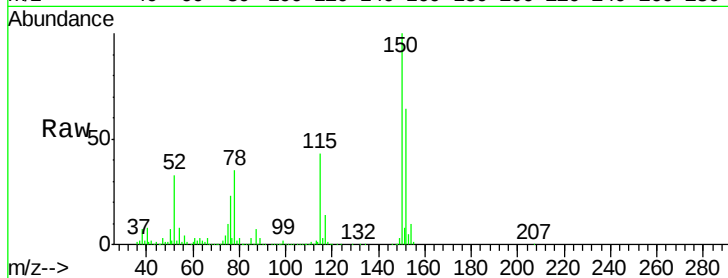
Tot Ion:152 Resp: 424669

Ion Ratio Lower Upper

152 100

115 67.4 30.8 92.3

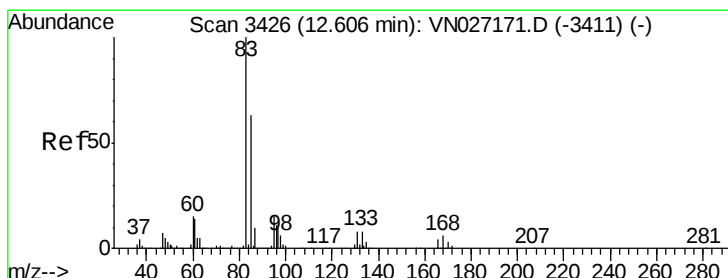
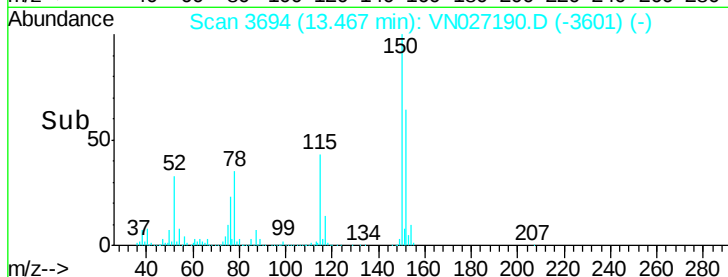
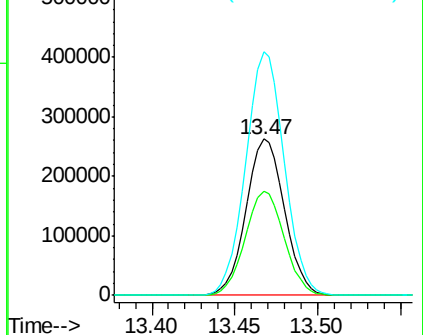
150 156.6 0.0 345.0



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: 12.60 min Scan# 3423

Delta R.T. -0.01 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

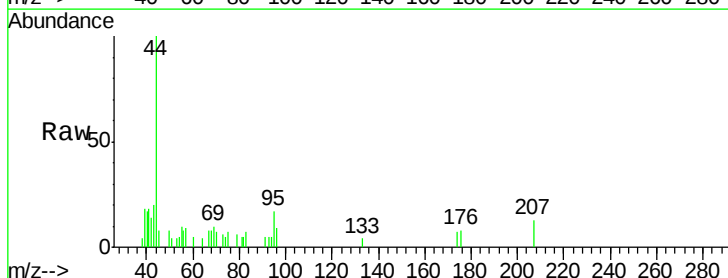
Tgt Ion: 83 Resp: 381

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

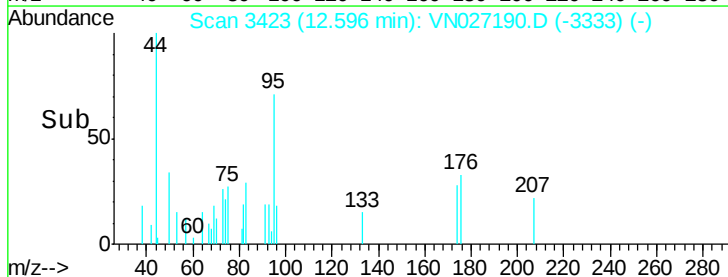
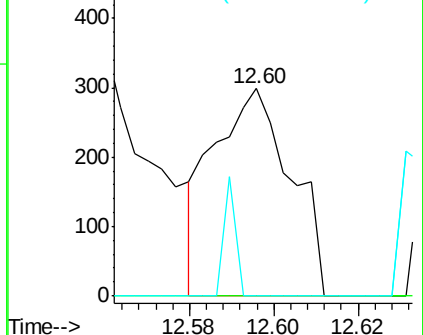
85 8.7 31.9 95.7#

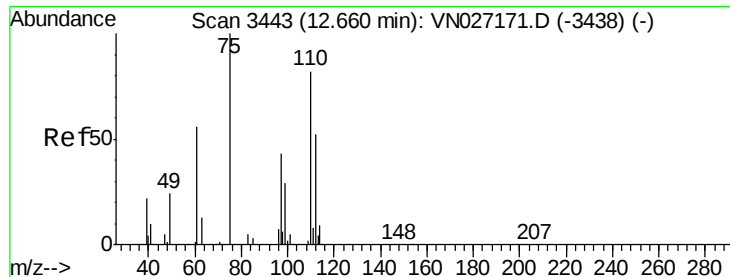


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#77

1,2,3-Trichloropropane

Concen: 31.11 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampled :

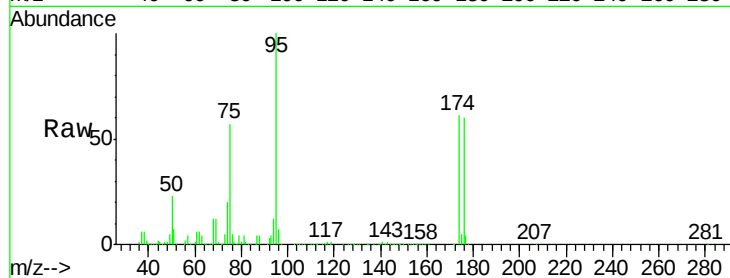
S39-0103

Tot Ion: 75 Resp: 399285

Ion Ratio Lower Upper

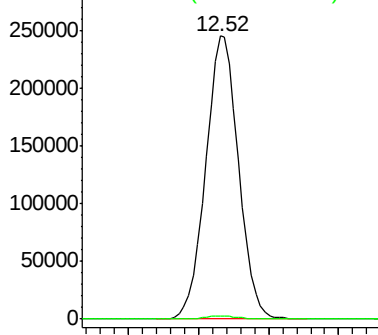
75 100

77 1.2 103.1 309.3#

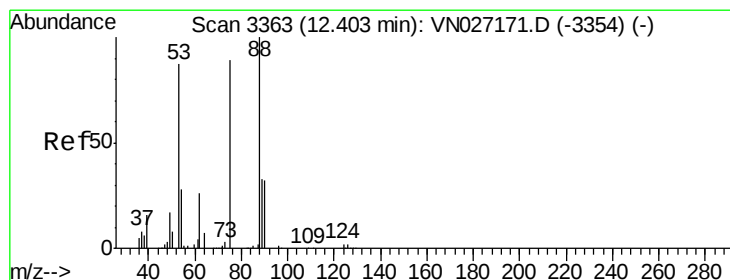
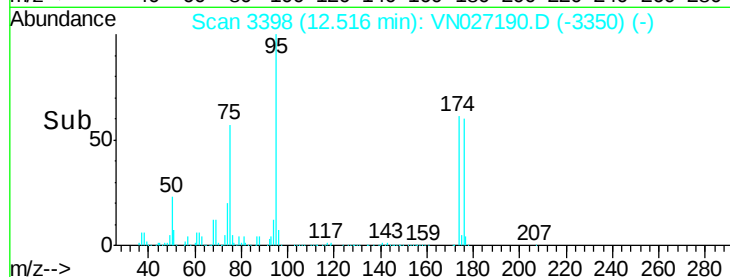


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#82

trans-1,4-Dichloro-2-butene

Concen: 76.42 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

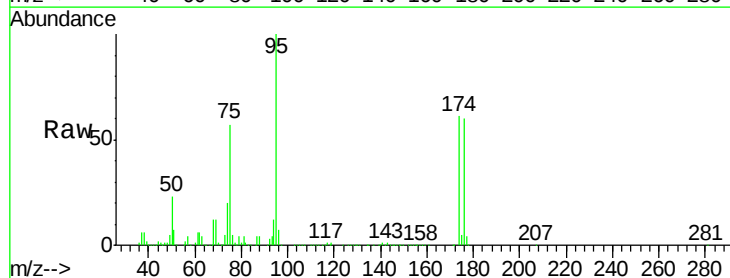
Tgt Ion: 75 Resp: 399285

Ion Ratio Lower Upper

75 100

53 0.0 92.9 139.3#

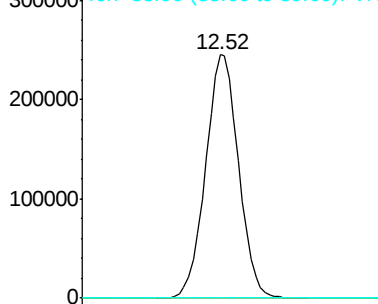
89 0.0 34.2 51.4#



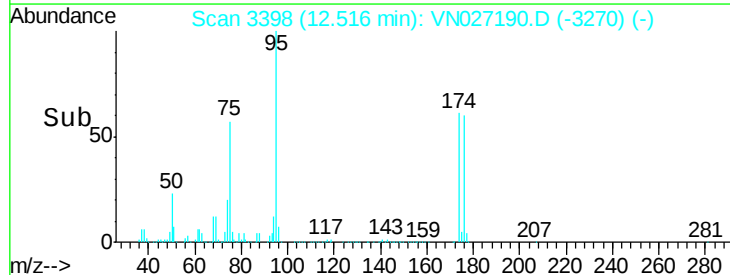
Abundance Ion 74.90 (74.60 to 75.60): VN0

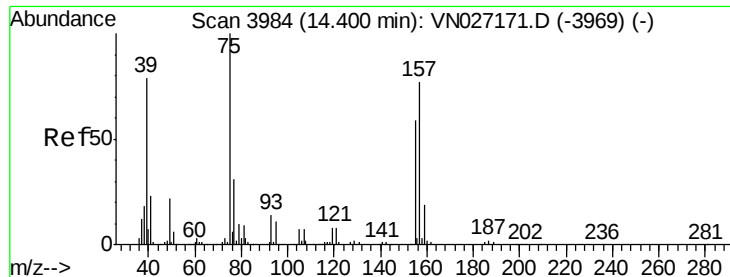
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.35 min Scan# 3968

Delta R.T. -0.05 min

Lab File: VN027190.D

Acq: 16 Sep 2015 4:25

Instrument :

MSVOA_N

ClientSampleId :

S39-0103

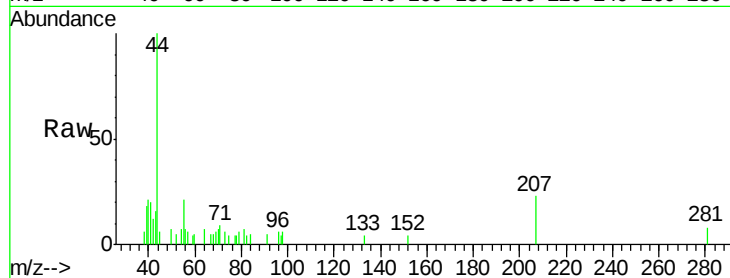
Tot Ion: 75 Resp: 59

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): VN027190.D (-3890) (-)

