

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027194.D
 Acq On : 16 Sep 2015 6:15
 Operator : MD\FY
 Sample : G3629-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2015-04

Quant Time: Sep 16 06:34:07 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	828851	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1485873	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1231885	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	420246	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	806235	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
36) Dibromofluoromethane	7.68	113	529578	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
51) Toluene-d8	10.19	98	2162727	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
63) 4-Bromofluorobenzene	12.52	95	705409	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

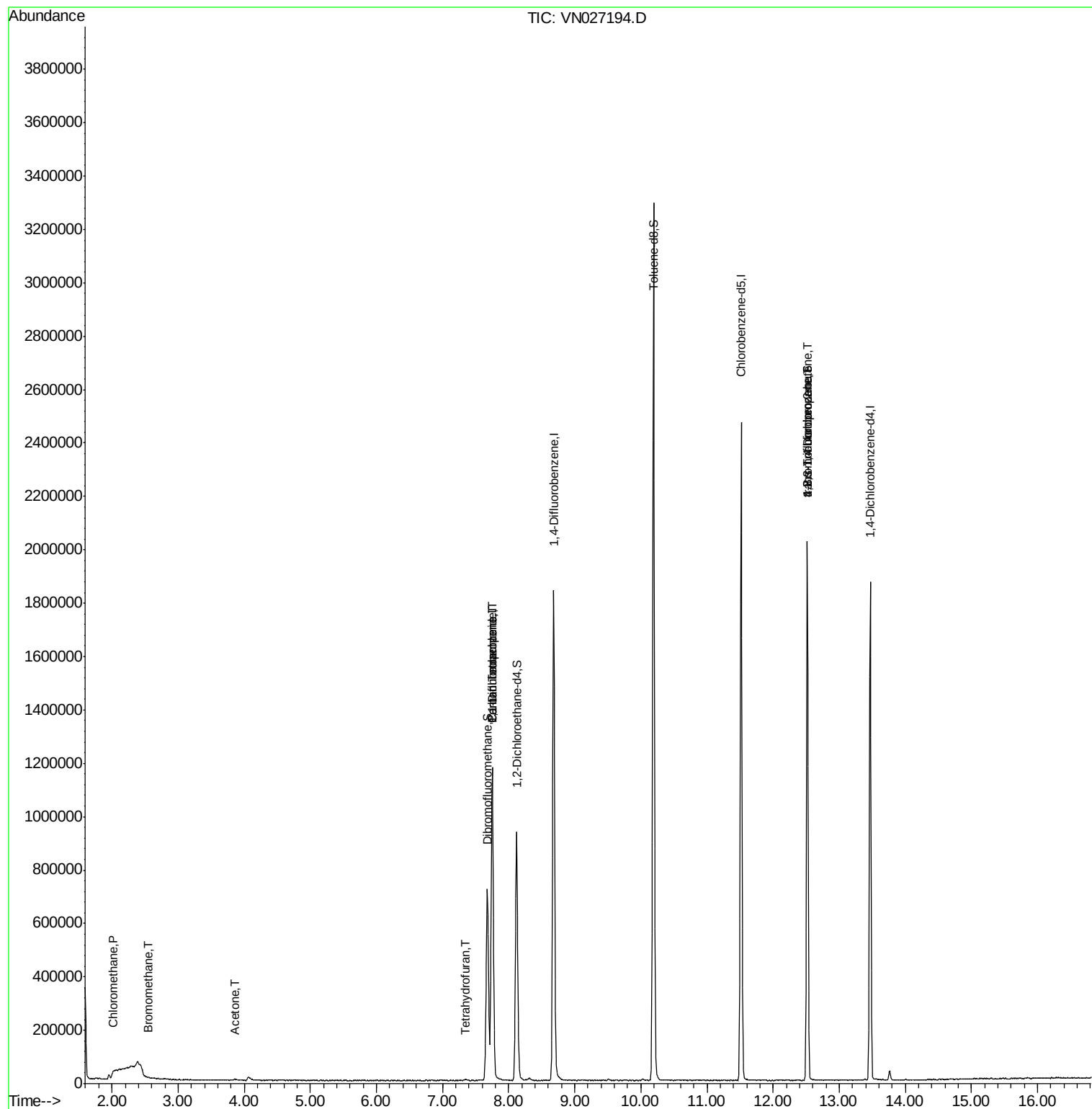
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	2.00	50	3171	1.39	ug/l	99
6) Bromomethane	2.55	94	428	1.67	ug/l	# 4
17) Acetone	3.86	43	7750	1.69	ug/l	# 79
30) Tetrahydrofuran	7.33	42	1635	0.34	ug/l	# 62
37) 1,1-Dichloropropene	7.75	75	85794	4.93	ug/l	# 51
38) Ethyl Acetate	7.02	43	233	Below Cal		# 1
39) Carbon Tetrachloride	7.75	117	91065	5.57	ug/l	# 16
76) 1,1,2,2-Tetrachloroethane	12.61	83	461	Below Cal		# 32
77) 1,2,3-Trichloropropane	12.52	75	405065	31.89	ug/l	# 1
82) trans-1,4-Dichloro-2-buten	12.52	75	405065	78.34	ug/l	# 4
93) 1,2-Dibromo-3-Chloropropan	14.43	75	32	Below Cal		# 9

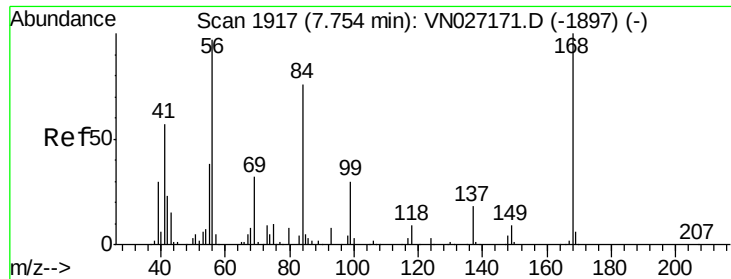
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
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: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampleId :

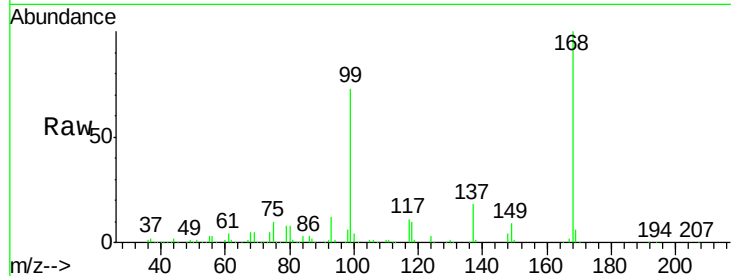
S39-ER-2015-04

Tot Ion:168 Resp: 828851

Ion Ratio Lower Upper

168 100

99 73.0 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.75

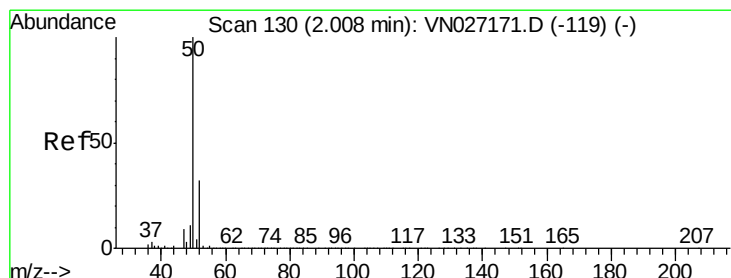
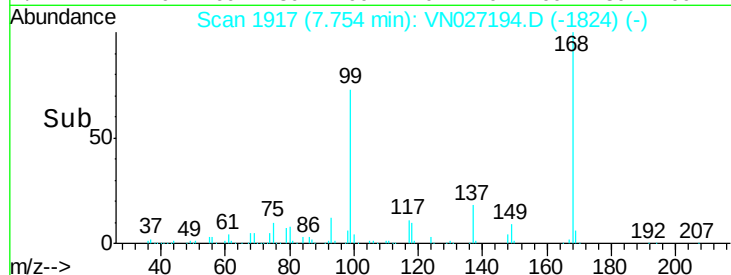
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 1.39 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027194.D

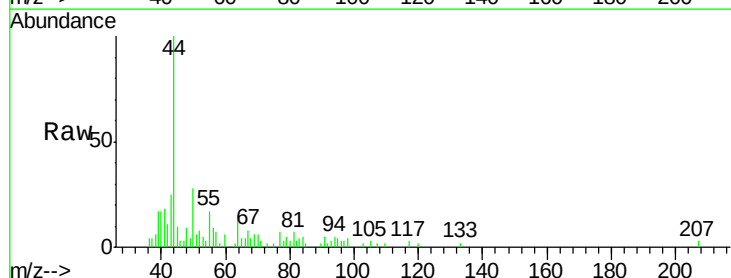
Acq: 16 Sep 2015 6:15

Tgt Ion: 50 Resp: 3171

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.00

2500

2000

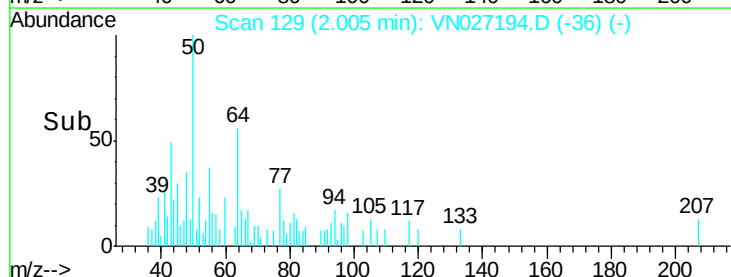
1500

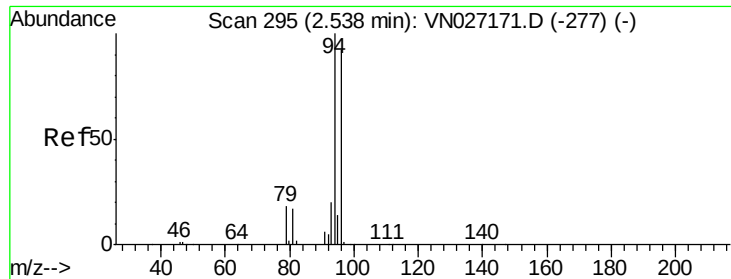
1000

500

0

Time-->





#6

Bromomethane

Concen: 1.67 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampled :

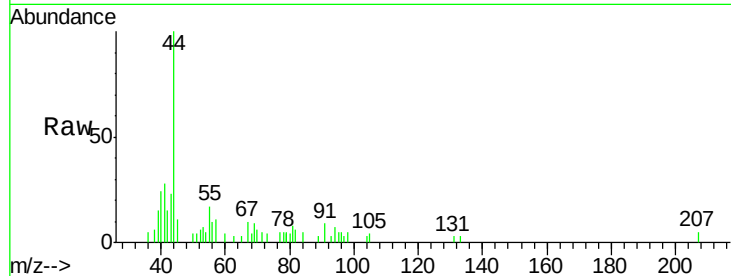
S39-ER-2015-04

Tot Ion: 94 Resp: 428

Ion Ratio Lower Upper

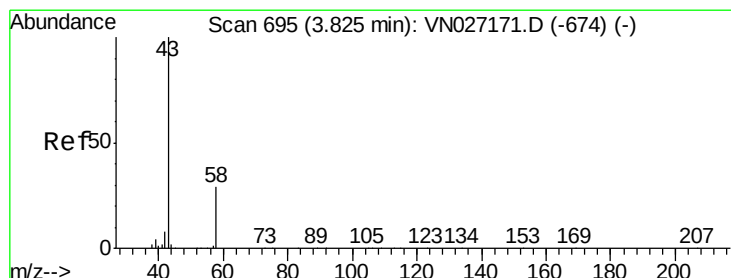
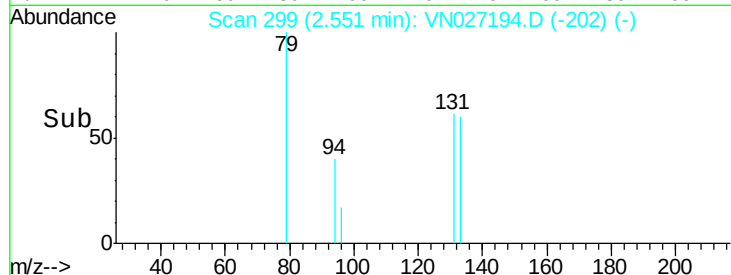
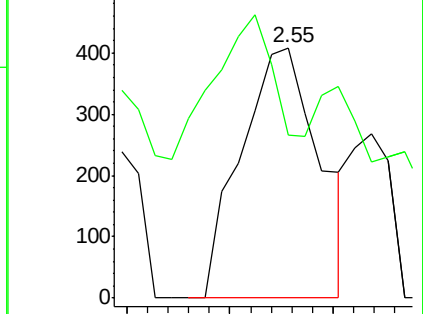
94 100

96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#17

Acetone

Concen: 1.69 ug/l

RT: 3.86 min Scan# 706

Delta R.T. 0.04 min

Lab File: VN027194.D

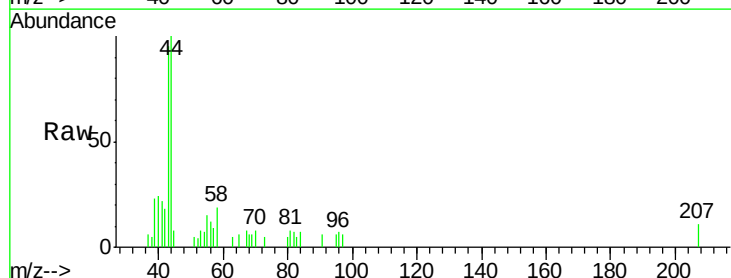
Acq: 16 Sep 2015 6:15

Tgt Ion: 43 Resp: 7750

Ion Ratio Lower Upper

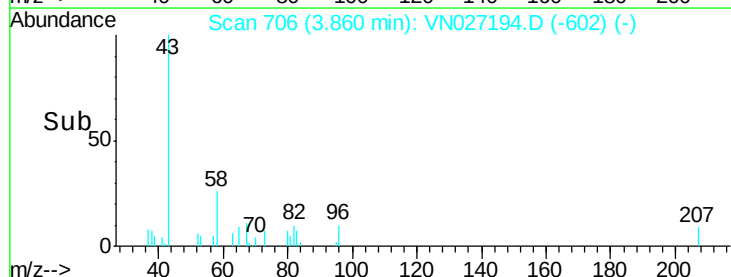
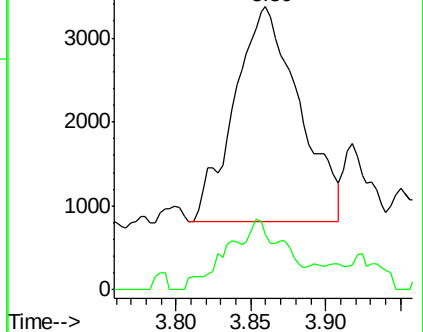
43 100

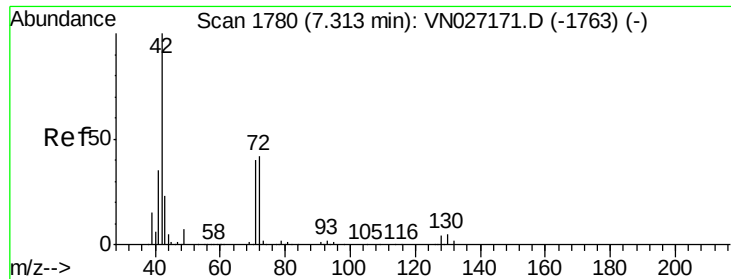
58 19.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

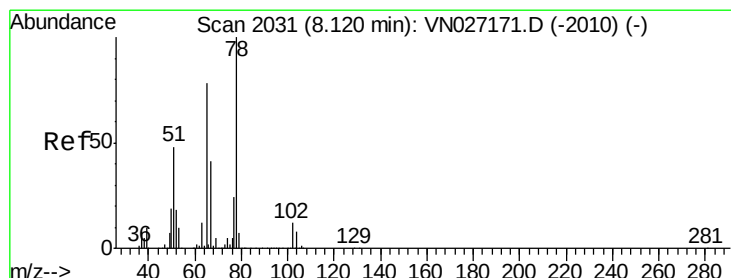
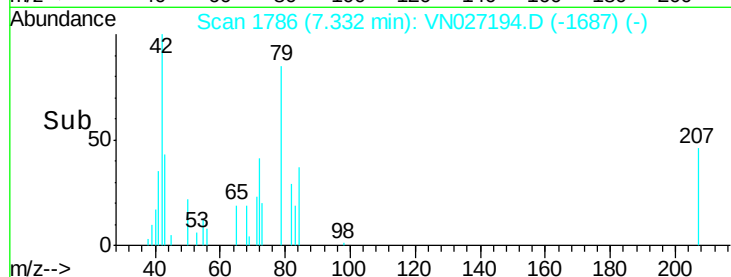
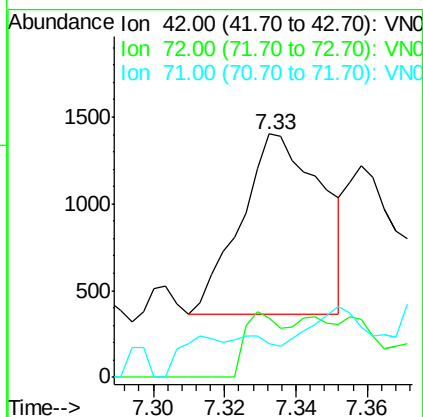
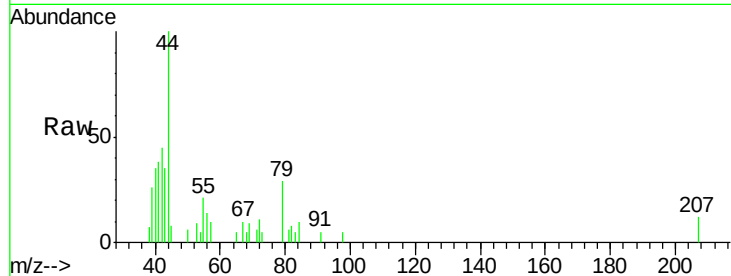




#30
Tetrahydrofuran
Concen: 0.34 ug/l
RT: 7.33 min Scan# 1786
Delta R.T. 0.02 min
Lab File: VN027194.D
Acq: 16 Sep 2015 6:15

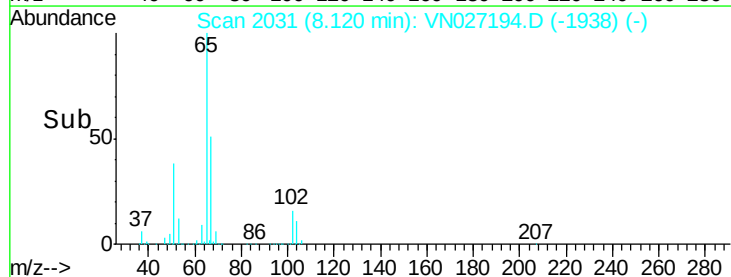
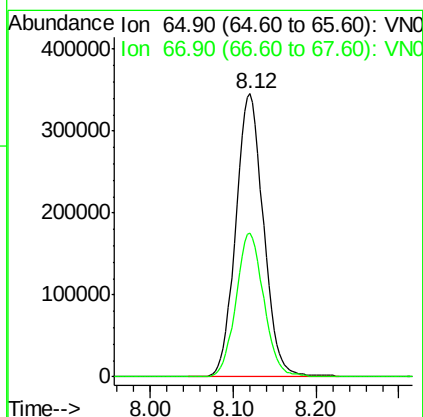
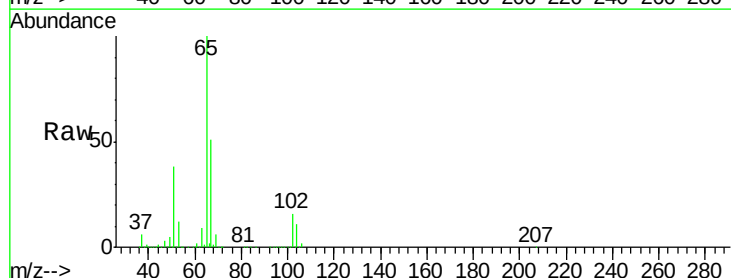
Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2015-04

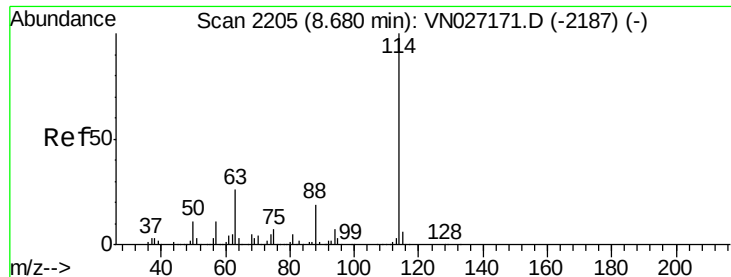
Tot Ion: 42 Resp: 1635
Ion Ratio Lower Upper
42 100
72 15.3 29.9 44.9#
71 12.1 28.3 42.5#



#34
1,2-Dichloroethane-d4
Concen: 47.47 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VN027194.D
Acq: 16 Sep 2015 6:15

Tgt Ion: 65 Resp: 806235
Ion Ratio Lower Upper
65 100
67 50.6 0.0 110.6



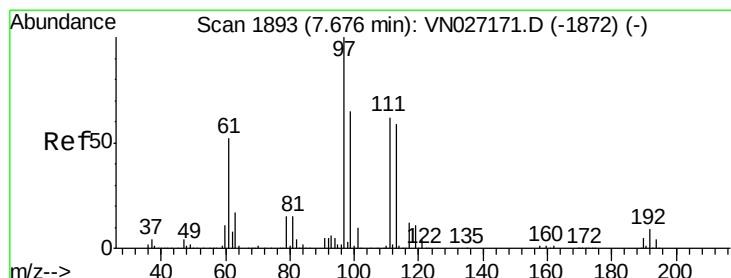
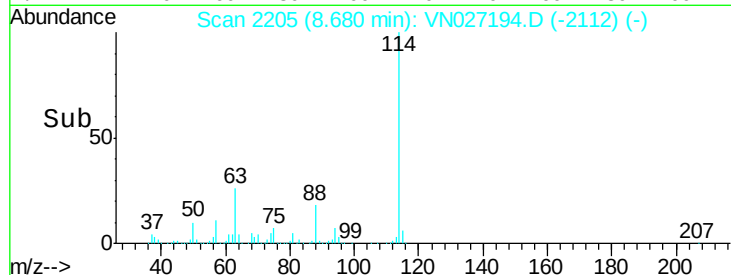
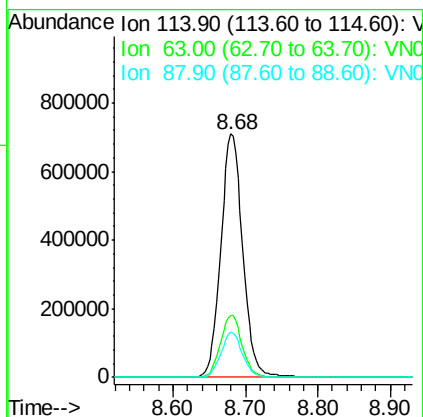
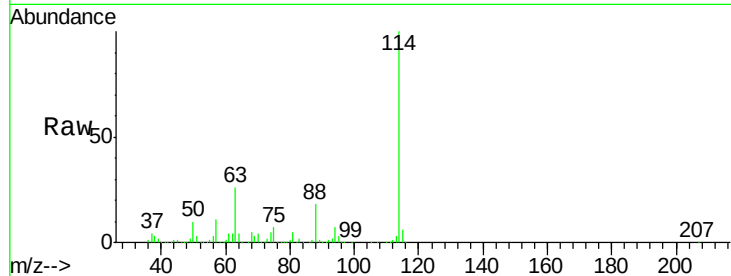


#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2015-04

Tot Ion:114 Resp: 1485873

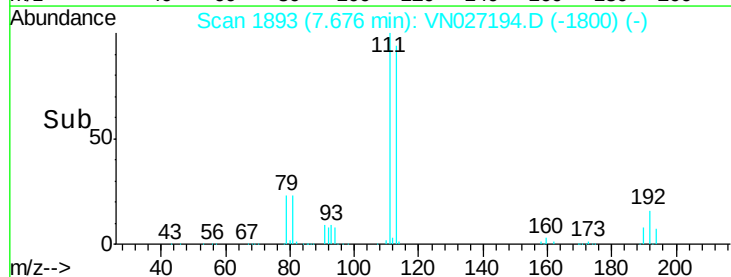
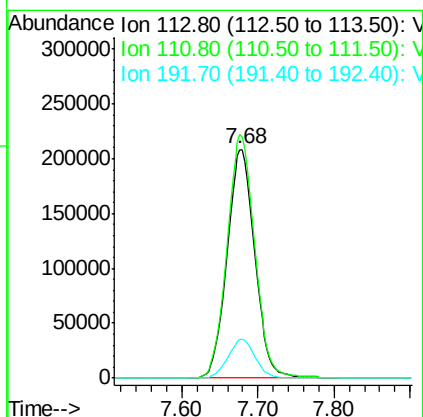
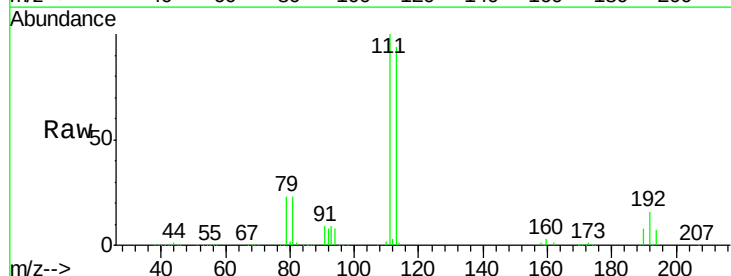
Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	48.8
88	18.4	0.0	32.2

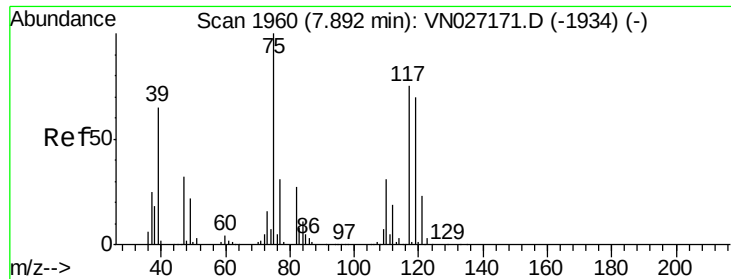


#36
 Dibromofluoromethane
 Concen: 51.42 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

Tgt Ion:113 Resp: 529578

Ion	Ratio	Lower	Upper
113	100		
111	106.2	83.0	124.4
192	16.4	14.1	21.1

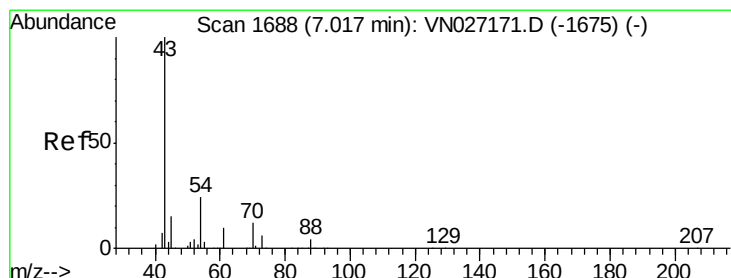
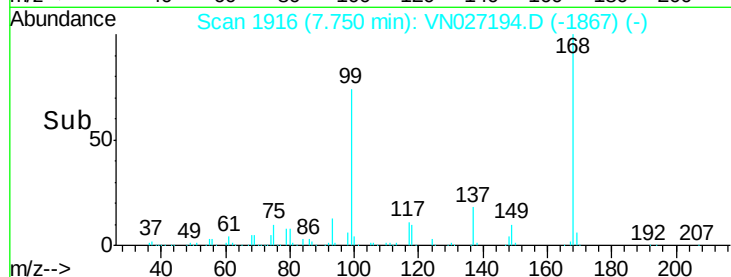
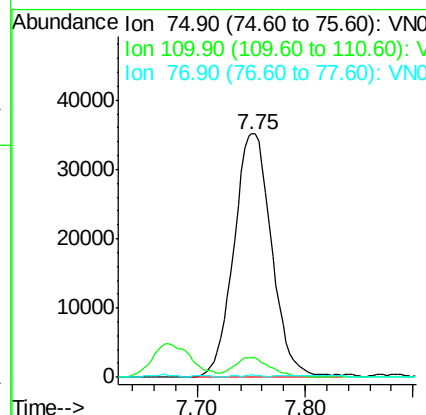
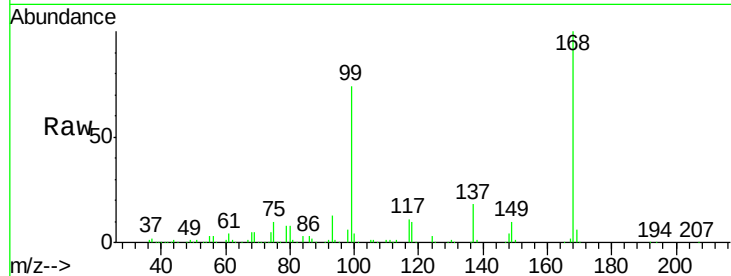




#37
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. -0.14 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

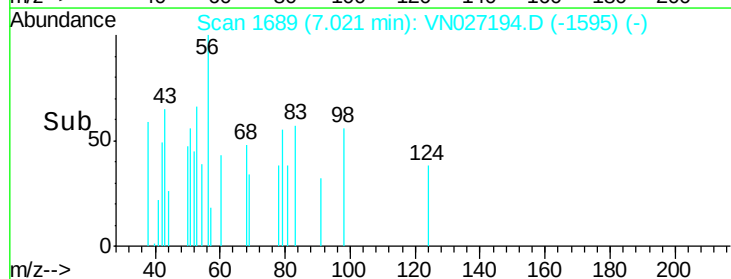
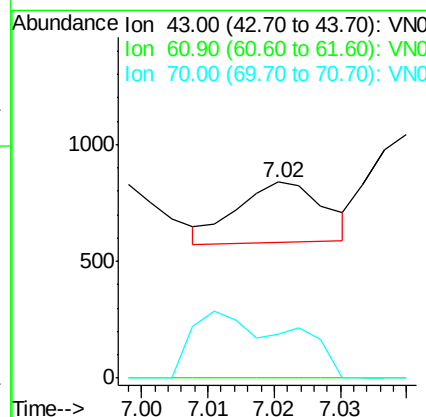
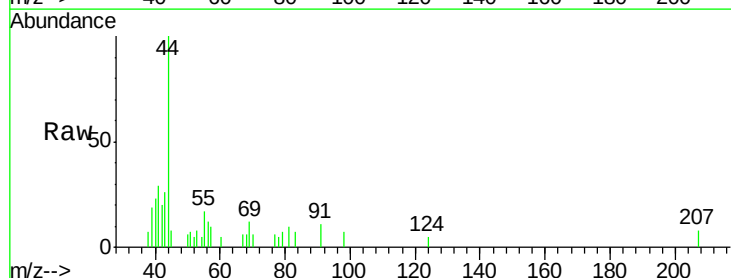
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2015-04

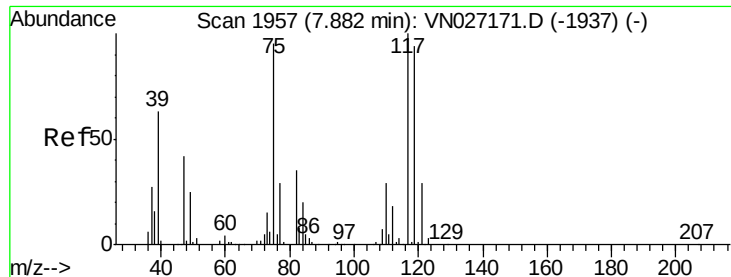
Tot Ion: 75 Resp: 85794
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.9 47.7#
 77 0.4 24.9 37.3#



#38
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

Tgt Ion: 43 Resp: 233
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 124.0 7.4 11.0#





#39

Carbon Tetrachloride

Concen: 5.57 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.13 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampleId :

S39-ER-2015-04

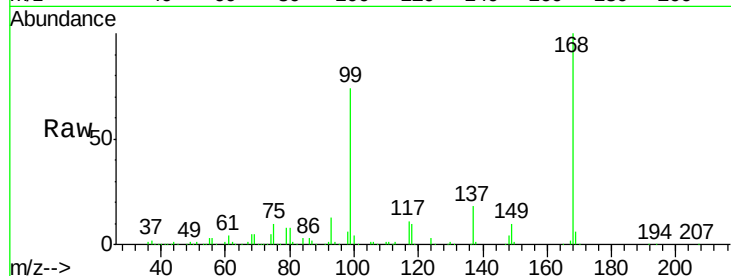
Tot Ion:117 Resp: 91065

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

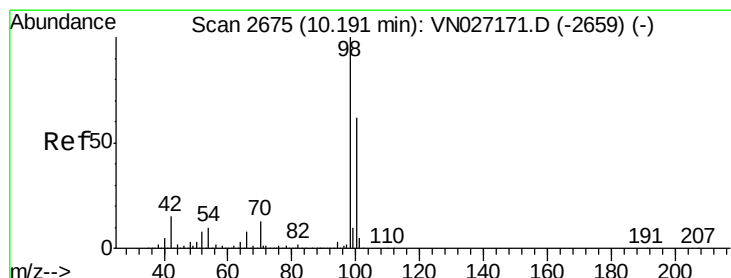
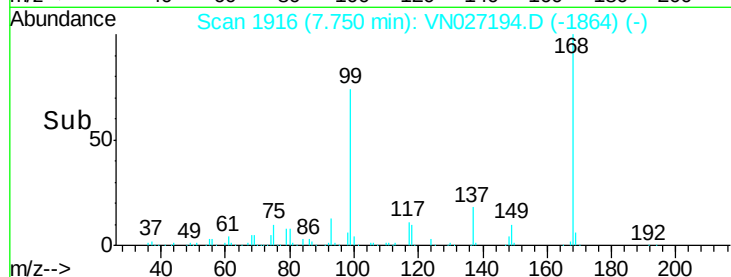
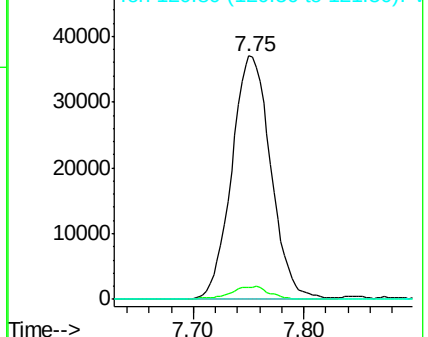
121 0.0 23.8 35.8#



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: 53.63 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027194.D

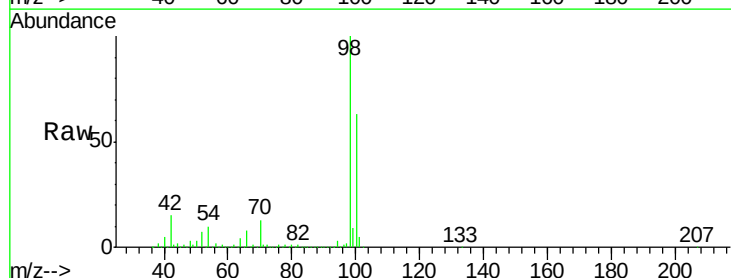
Acq: 16 Sep 2015 6:15

Tgt Ion: 98 Resp: 2162727

Ion Ratio Lower Upper

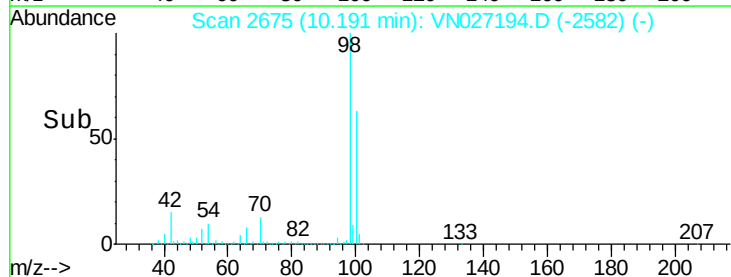
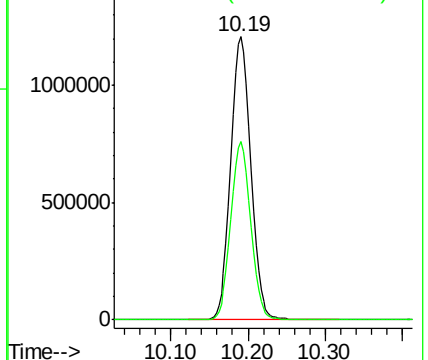
98 100

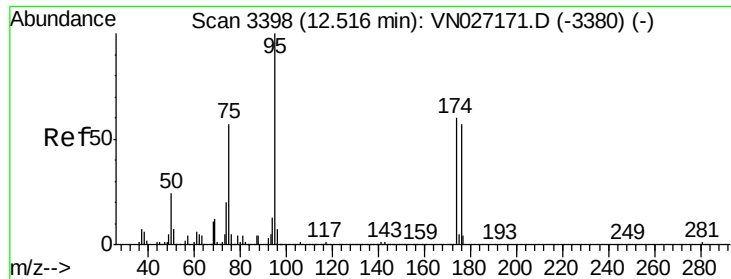
100 62.4 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

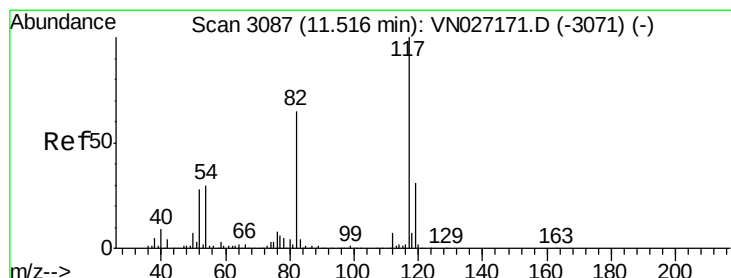
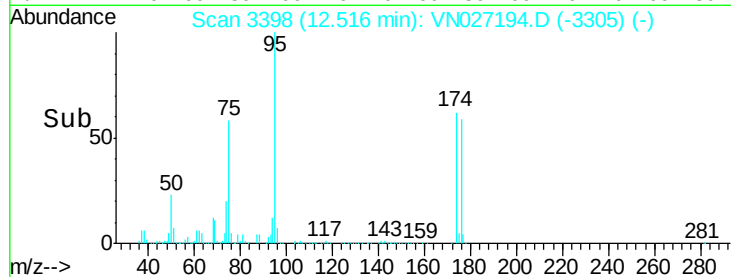
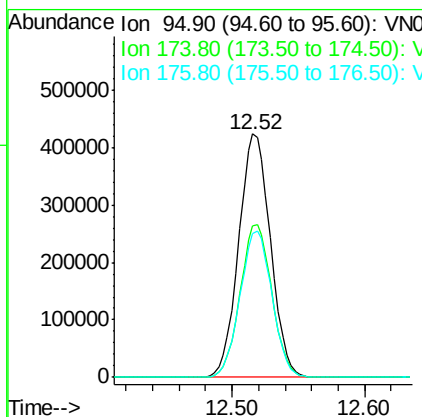
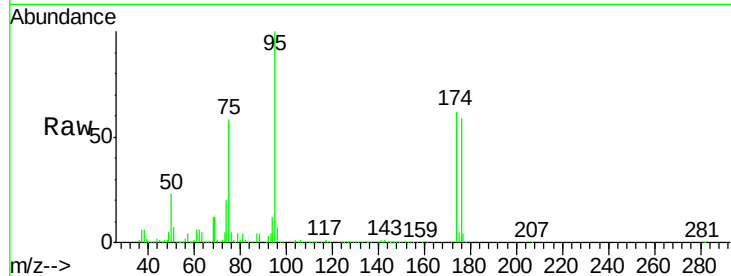




#63
 4-Bromofluorobenzene
 Concen: 49.28 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

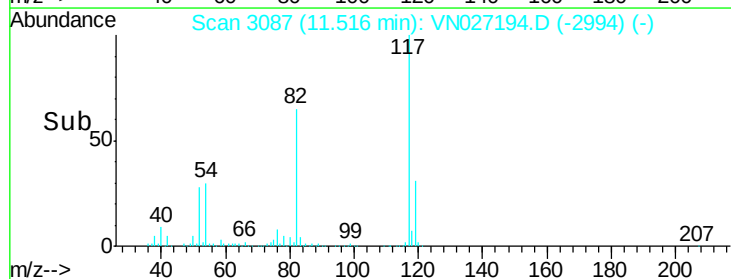
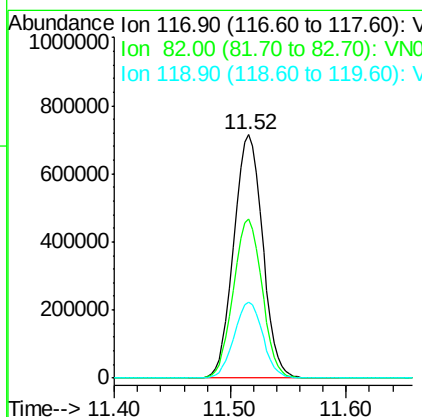
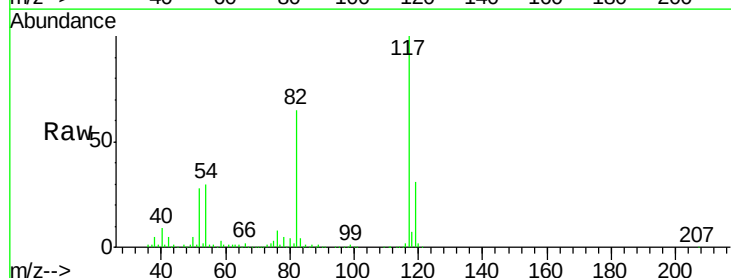
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2015-04

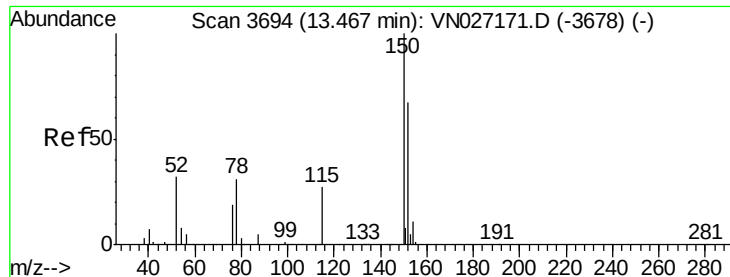
Tot Ion: 95 Resp: 705409
 Ion Ratio Lower Upper
 95 100
 174 62.6 0.0 137.0
 176 60.4 0.0 130.8



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VN027194.D
 Acq: 16 Sep 2015 6:15

Tgt Ion: 117 Resp: 1231885
 Ion Ratio Lower Upper
 117 100
 82 65.1 49.6 74.4
 119 31.3 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: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampled :

S39-ER-2015-04

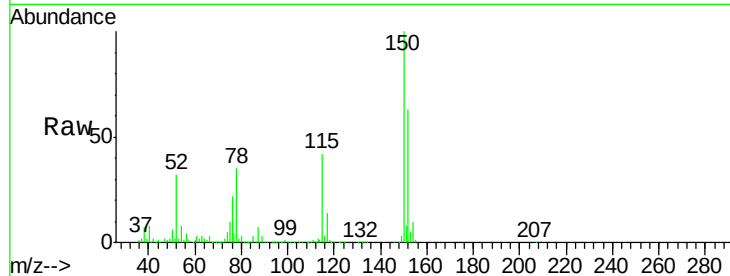
Tot Ion:152 Resp: 420246

Ion Ratio Lower Upper

152 100

115 67.9 30.8 92.3

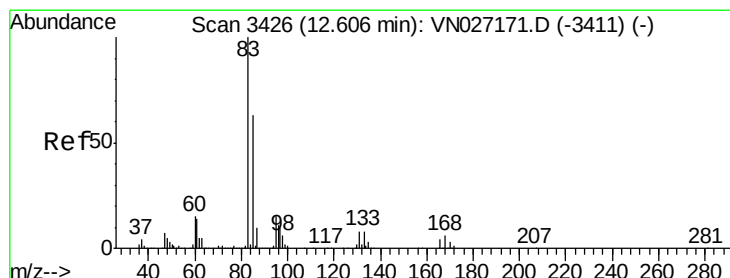
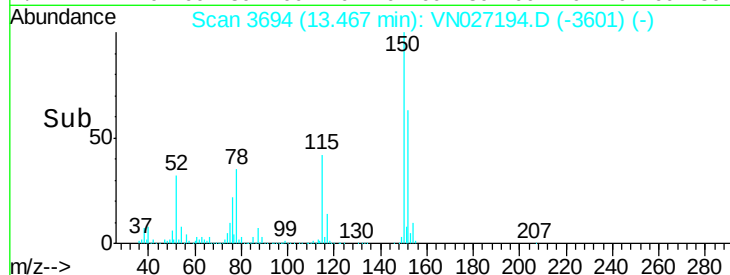
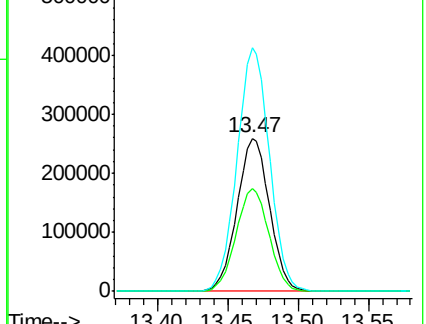
150 158.5 0.0 345.0



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: 12.61 min Scan# 3428

Delta R.T. 0.01 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

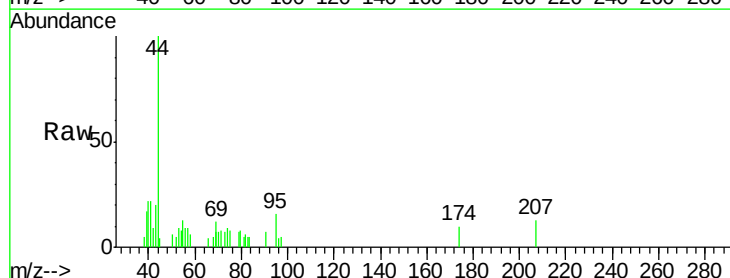
Tgt Ion: 83 Resp: 461

Ion Ratio Lower Upper

83 100

131 0.0 4.1 12.3#

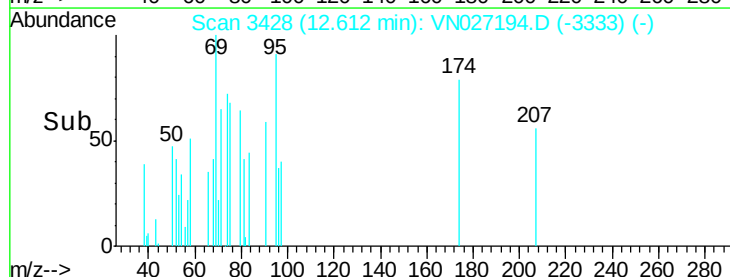
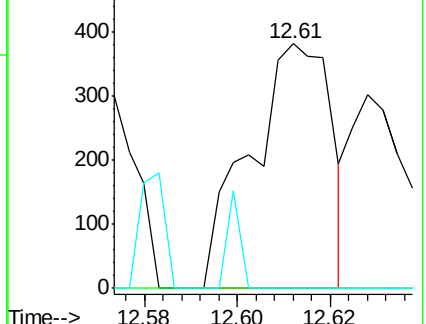
85 6.3 31.9 95.7#

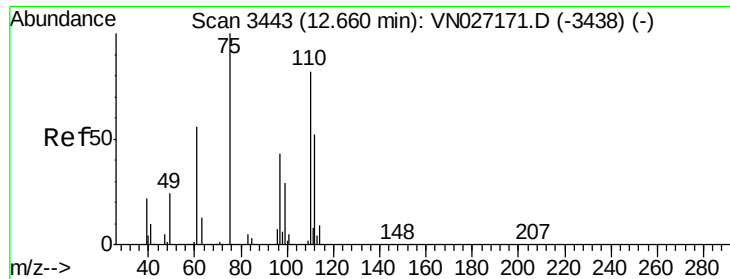


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#77

1,2,3-Trichloropropane

Concen: 31.89 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.14 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampleId :

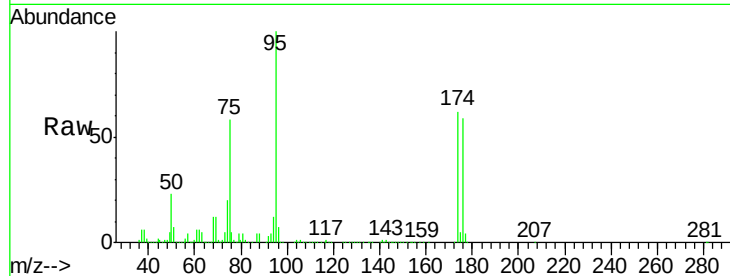
S39-ER-2015-04

Tot Ion: 75 Resp: 405065

Ion Ratio Lower Upper

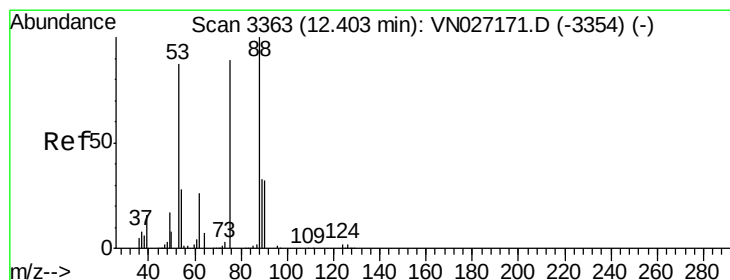
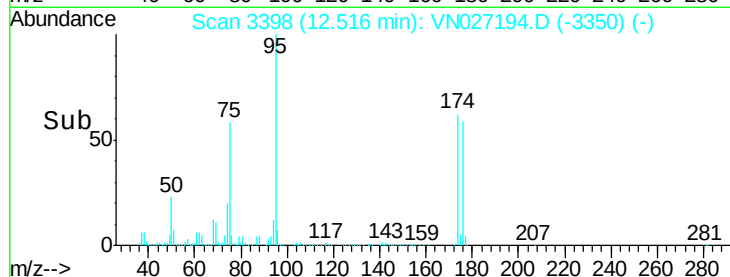
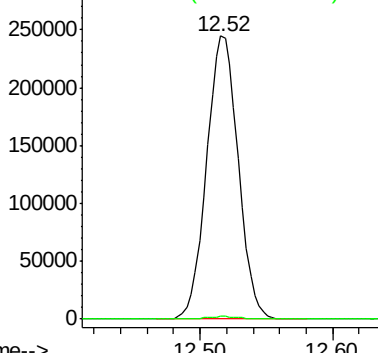
75 100

77 1.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#82

trans-1,4-Dichloro-2-butene

Concen: 78.34 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.11 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

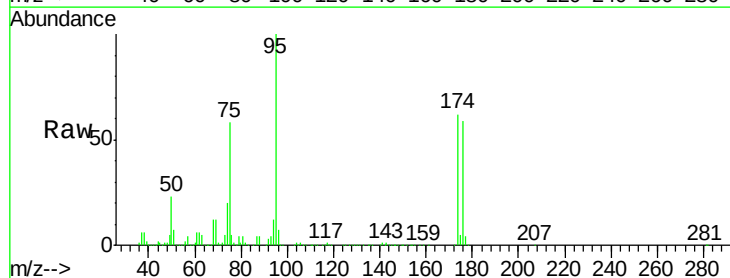
Tgt Ion: 75 Resp: 405065

Ion Ratio Lower Upper

75 100

53 0.1 92.9 139.3#

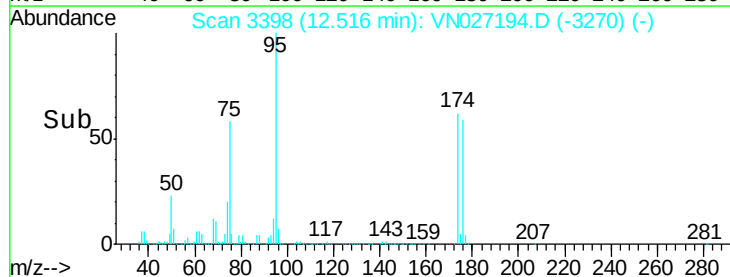
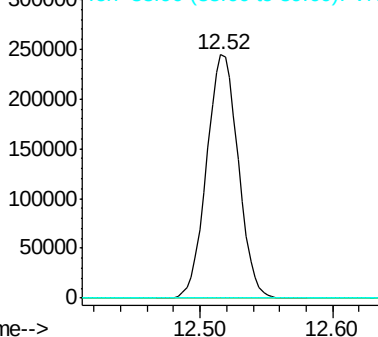
89 0.0 34.2 51.4#

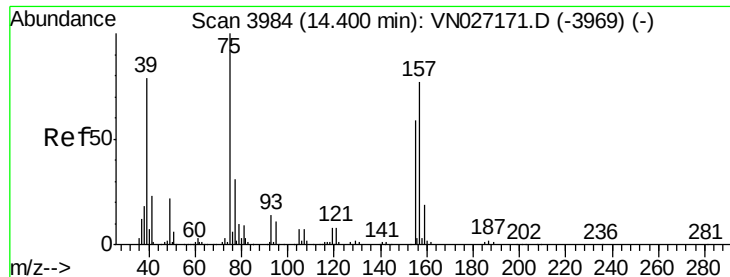


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.43 min Scan# 3993

Delta R.T. 0.03 min

Lab File: VN027194.D

Acq: 16 Sep 2015 6:15

Instrument :

MSVOA_N

ClientSampleId :

S39-ER-2015-04

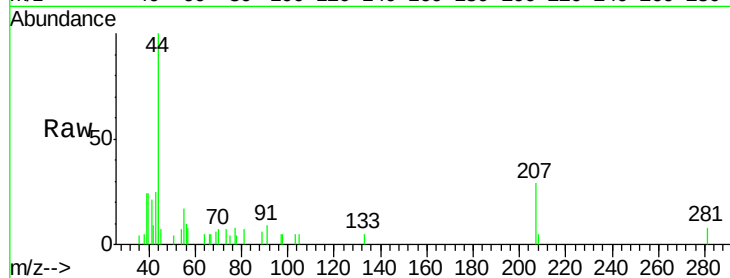
Tot Ion: 75 Resp: 32

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

