

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059352.D
 Acq On : 22 Nov 2019 10:28
 Operator : JC/SP
 Sample : VN1122WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBL01

Quant Time: Nov 22 11:23:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	347947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	538245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	453191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	199752	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.57	113	158499	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.08	98	646081	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	203873	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	

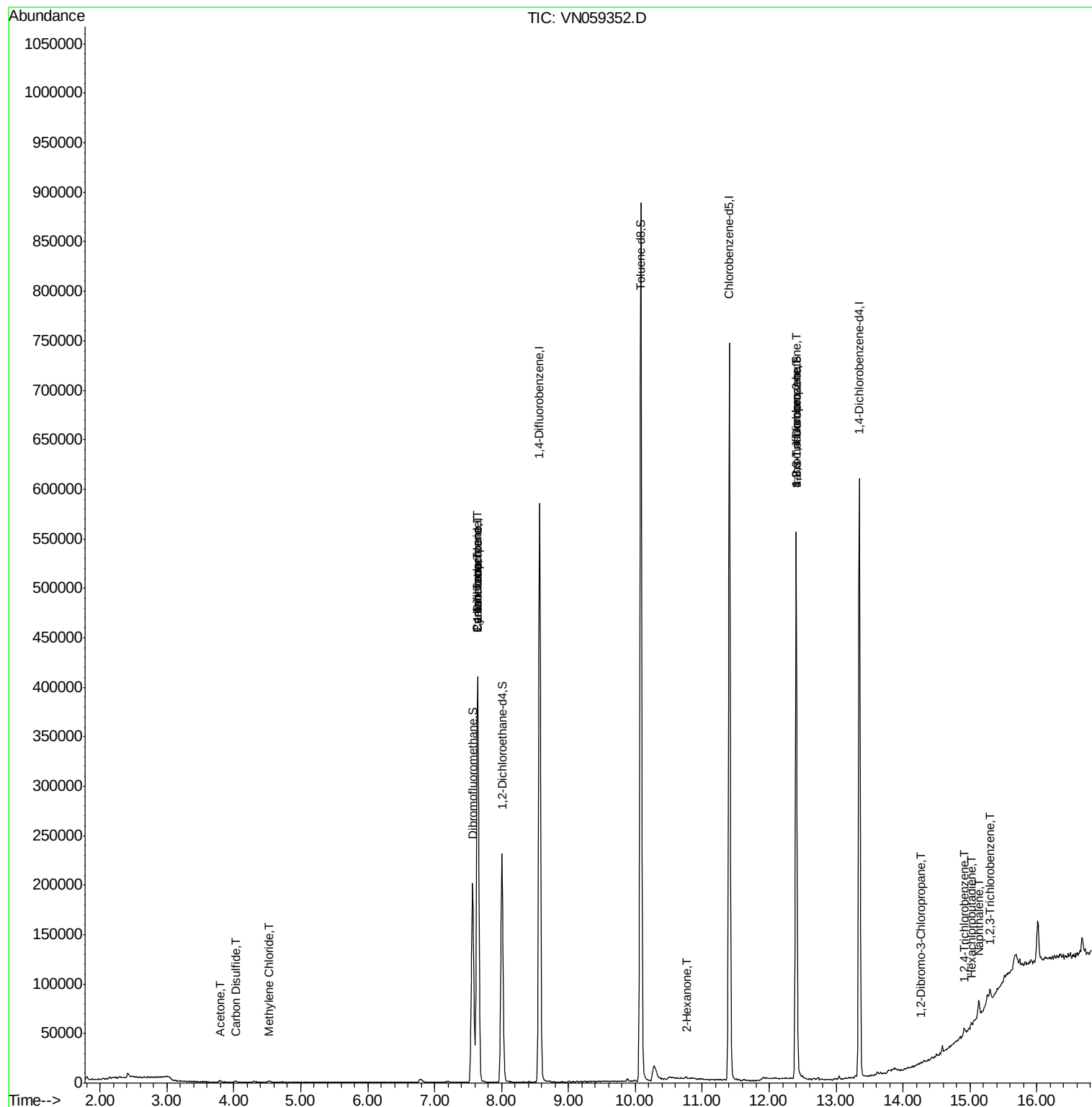
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1191	0.636	ug/l	89
17) Carbon Disulfide	4.03	76	2751	0.373	ug/l #	75
20) Methylene Chloride	4.52	84	938	0.222	ug/l #	76
31) Cyclohexane	7.64	56	6229	0.847	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	25608	4.609	ug/l #	50
38) Carbon Tetrachloride	7.64	117	32513	6.112	ug/l #	15
59) 2-Hexanone	10.75	43	1348	0.345	ug/l	88
76) 1,2,3-Trichloropropane	12.40	75	96804	25.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	96804	62.875	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.27	75	586	0.610	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	2614	3.632	ug/l	92
94) Hexachlorobutadiene	15.01	225	591	0.287	ug/l	79
95) Naphthalene	15.13	128	11688	4.282	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	4231	3.070	ug/l	88

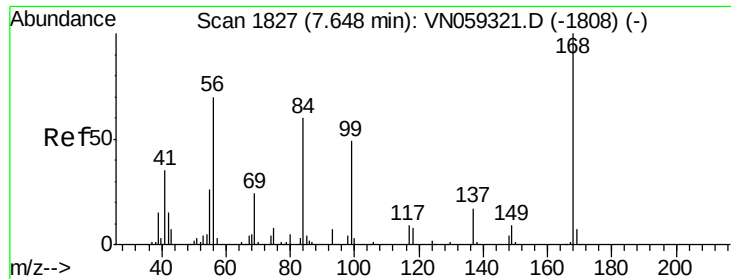
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

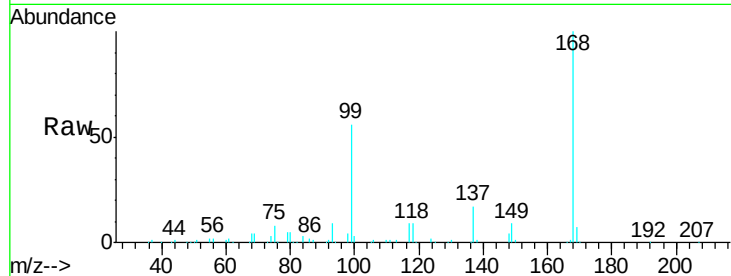
VN1122WBL01

Tgt Ion:168 Resp: 347947

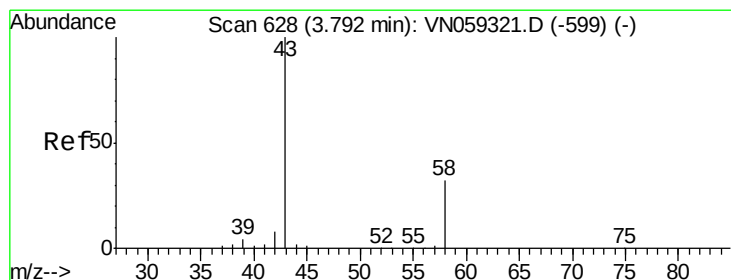
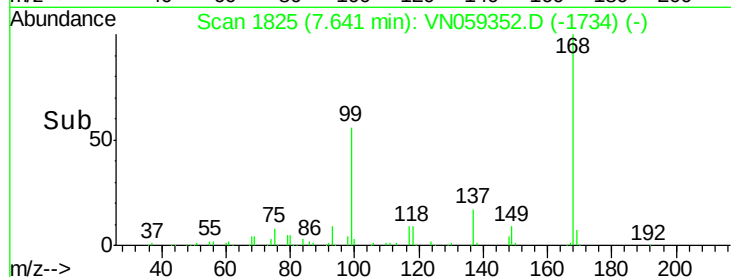
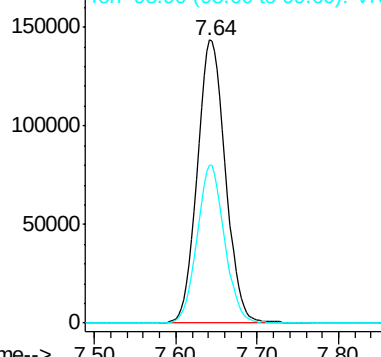
Ion Ratio Lower Upper

168 100

99 56.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)



#16

Acetone

Concen: 0.636 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059352.D

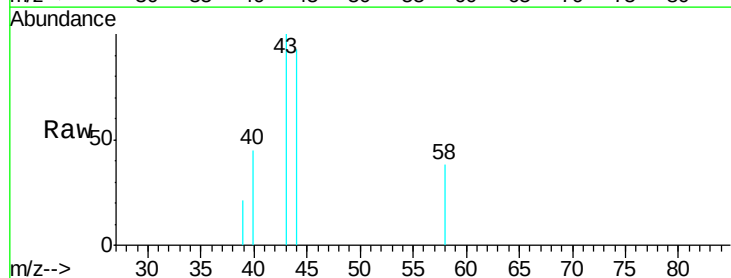
Acq: 22 Nov 2019 10:28

Tgt Ion: 43 Resp: 1191

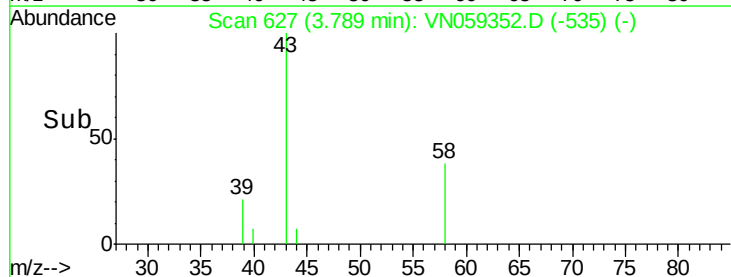
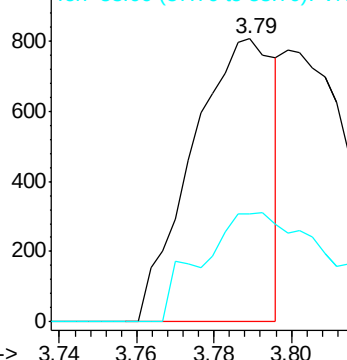
Ion Ratio Lower Upper

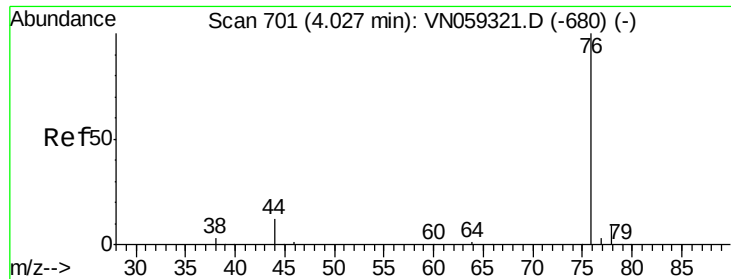
43 100

58 38.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)





#17

Carbon Disulfide

Concen: 0.373 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

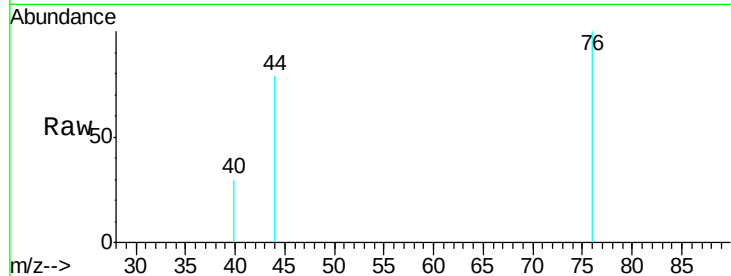
VN1122WBL01

Tgt Ion: 76 Resp: 2751

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

1200

1000

800

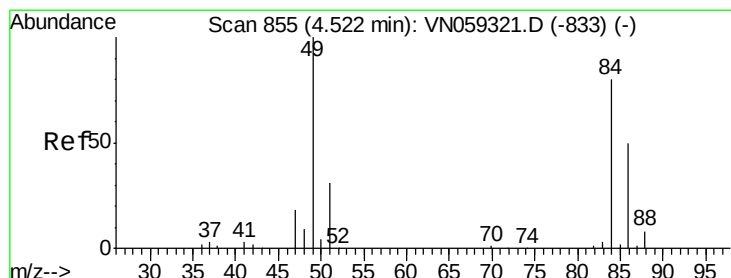
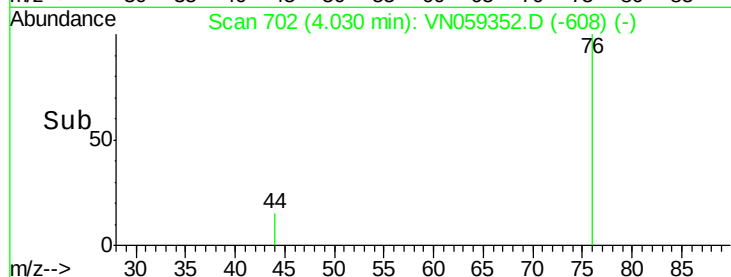
600

400

200

0

Time--> 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 0.222 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Tgt Ion: 84 Resp: 938

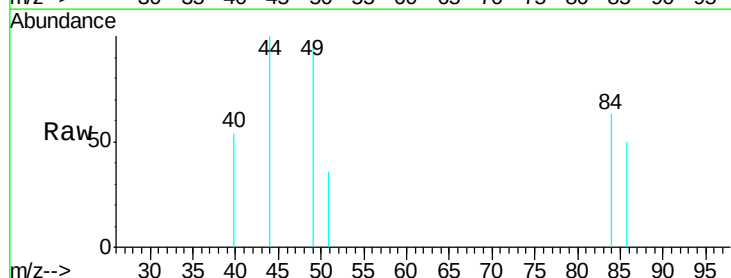
Ion Ratio Lower Upper

84 100

49 151.7 99.5 149.3#

51 56.9 31.1 46.7#

86 79.0 49.9 74.9#



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

800

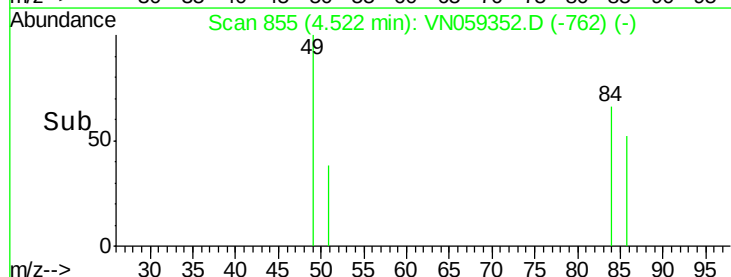
600

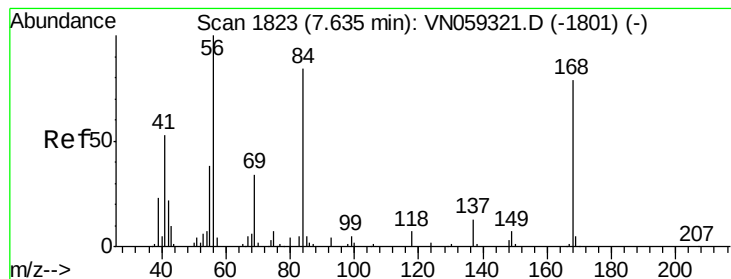
400

200

0

Time--> 4.45 4.50 4.55





#31

Cyclohexane

Concen: 0.847 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBL01

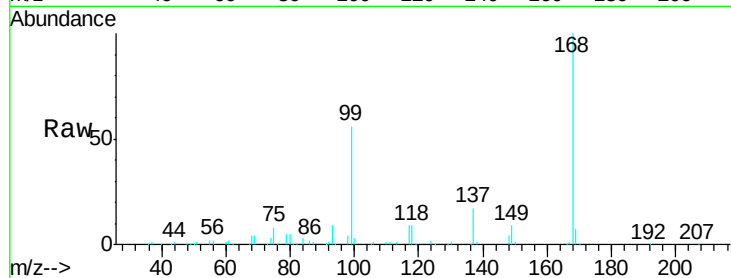
Tgt Ion: 56 Resp: 6229

Ion Ratio Lower Upper

56 100

69 198.8 26.6 40.0#

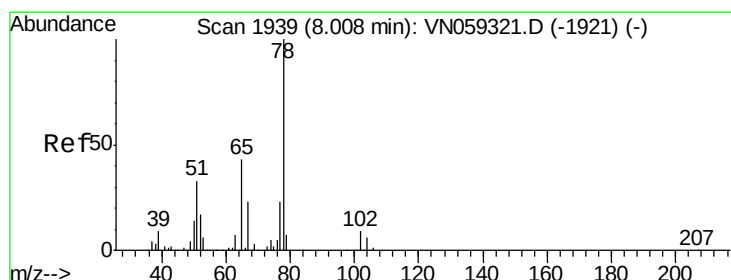
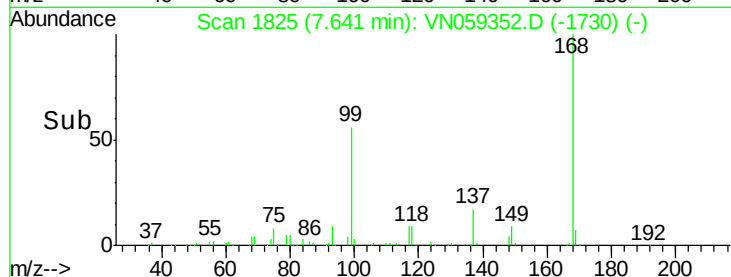
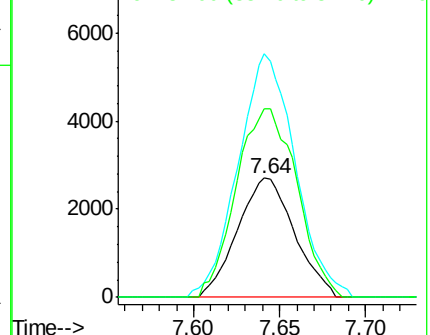
84 158.8 67.0 100.4#



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



#33

1,2-Dichloroethane-d4

Concen: 47.847 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059352.D

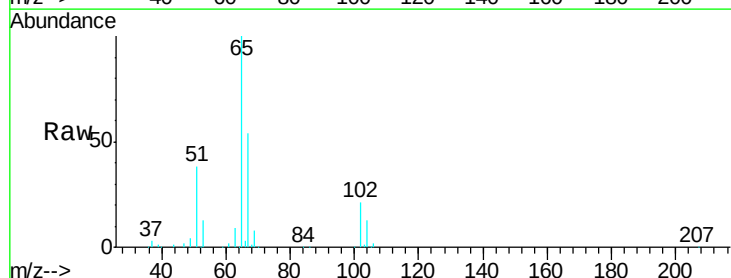
Acq: 22 Nov 2019 10:28

Tgt Ion: 65 Resp: 199752

Ion Ratio Lower Upper

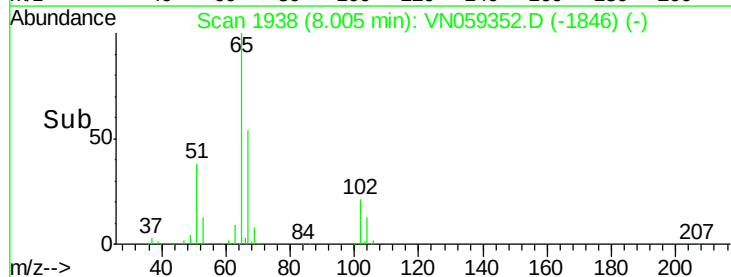
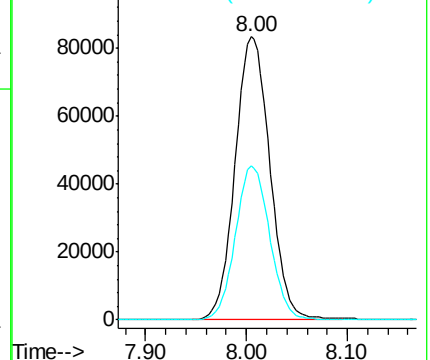
65 100

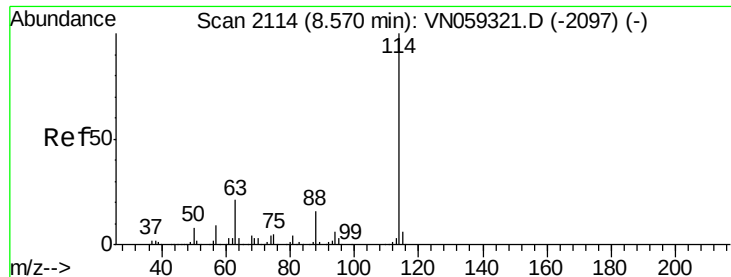
67 53.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBL01

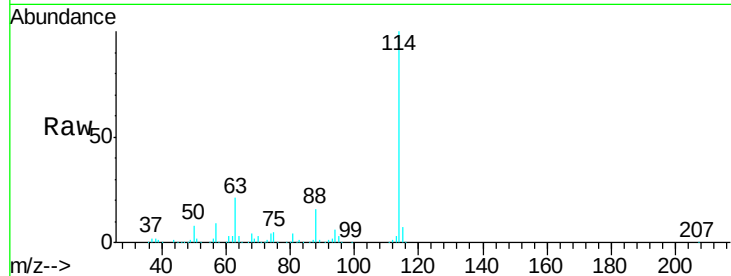
Tgt Ion:114 Resp: 538245

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.2

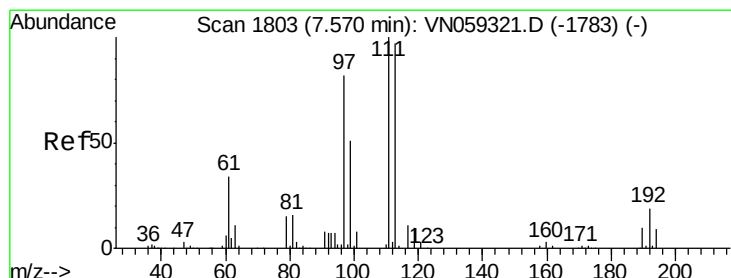
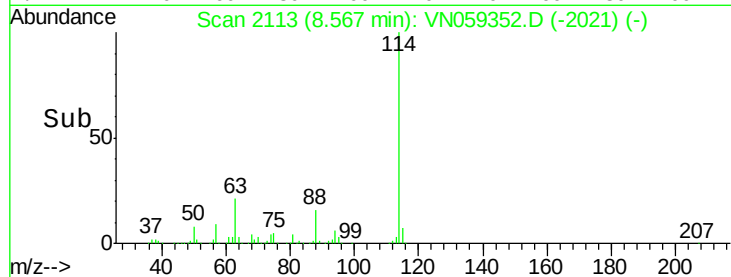
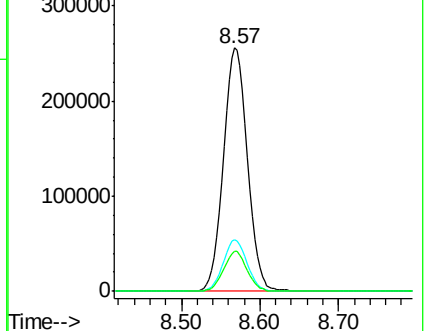
88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.084 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

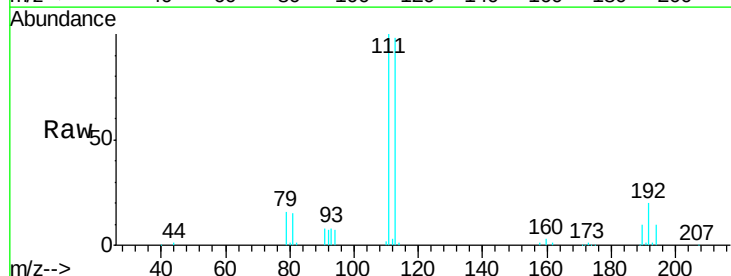
Tgt Ion:113 Resp: 158499

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

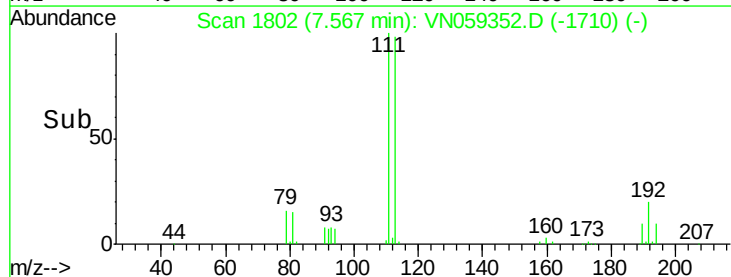
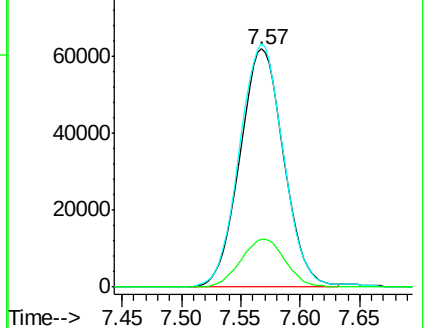
192 20.4 16.3 24.5

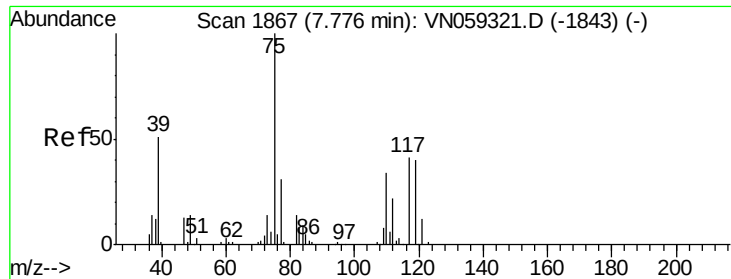


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

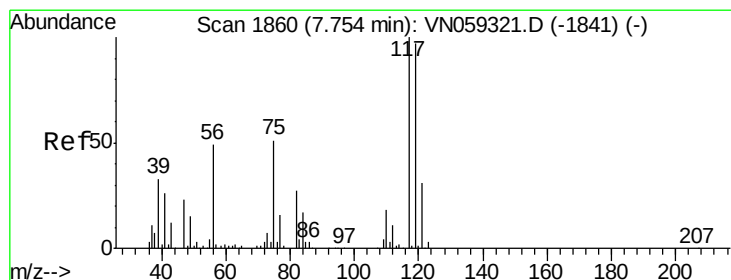
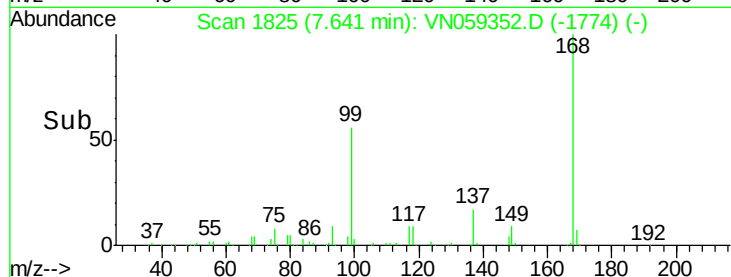
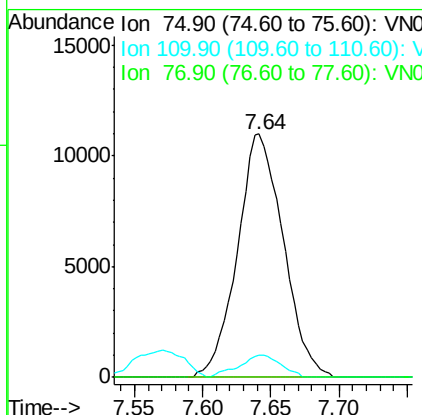
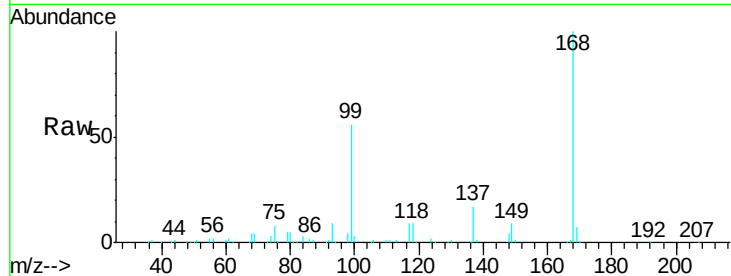




#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059352.D
 Acq: 22 Nov 2019 10:28

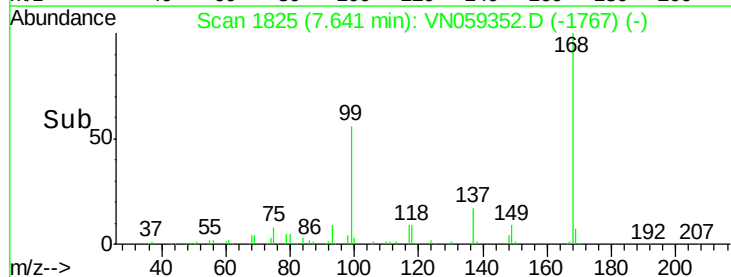
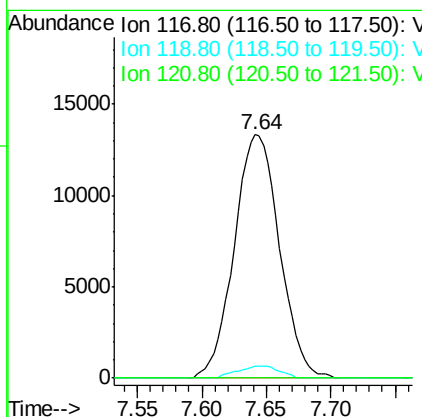
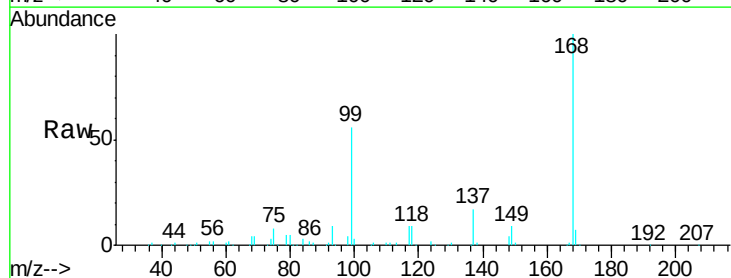
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBL01

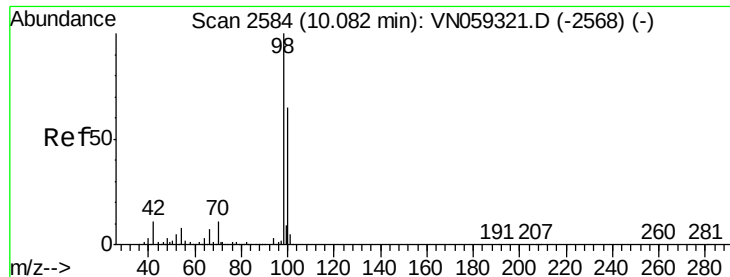
Tgt Ion: 75 Resp: 25608
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.0 51.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.112 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059352.D
 Acq: 22 Nov 2019 10:28

Tgt Ion: 117 Resp: 32513
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.0 115.4#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.328 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

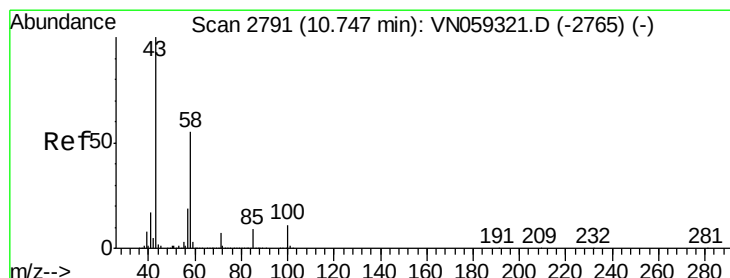
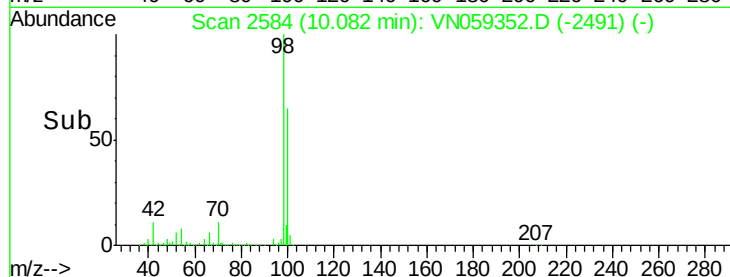
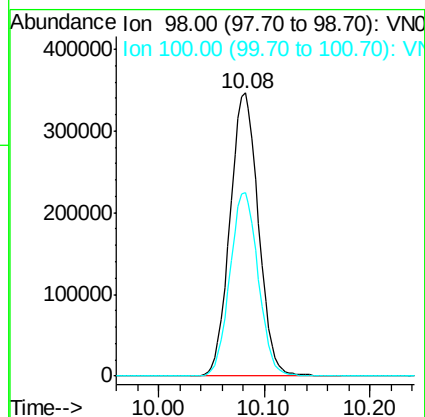
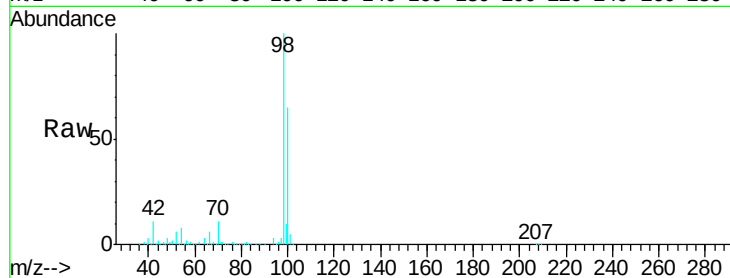
VN1122WBL01

Tgt Ion: 98 Resp: 646081

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



#59

2-Hexanone

Concen: 0.345 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059352.D

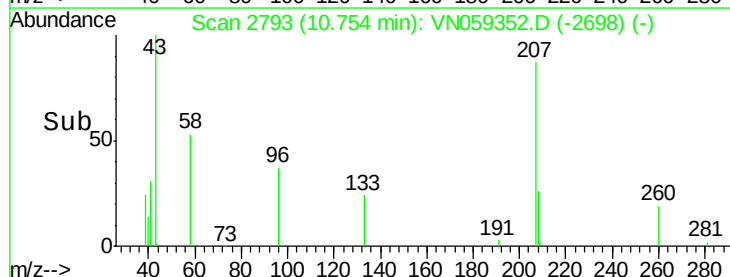
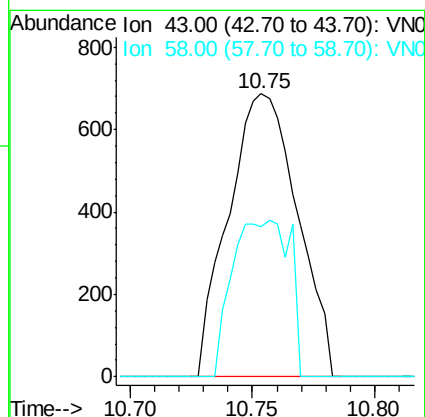
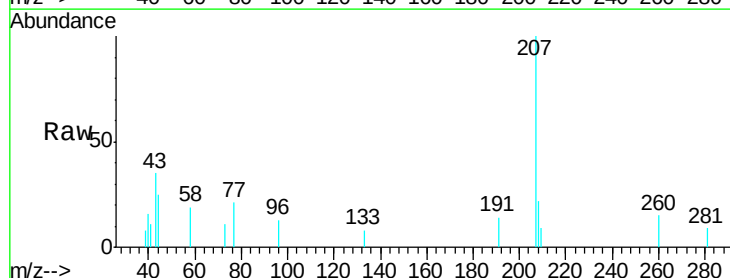
Acq: 22 Nov 2019 10:28

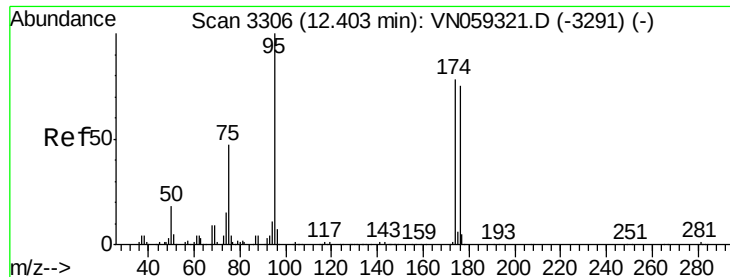
Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

43 100

58 46.4 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 45.420 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBL01

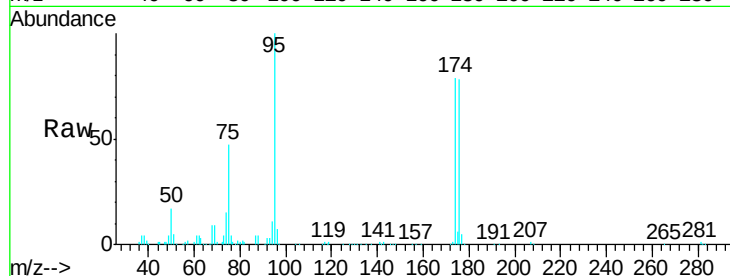
Tgt Ion: 95 Resp: 203873

Ion Ratio Lower Upper

95 100

174 79.0 0.0 157.4

176 77.2 0.0 151.2

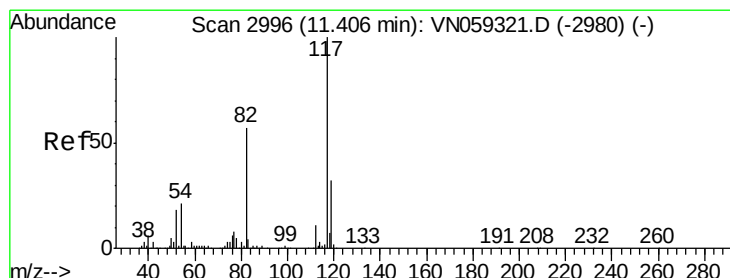
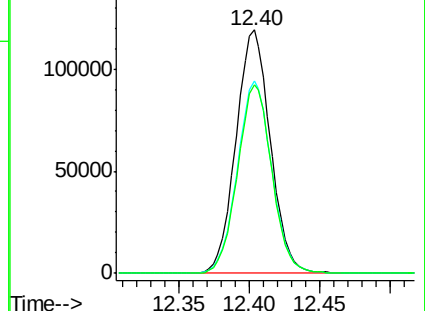
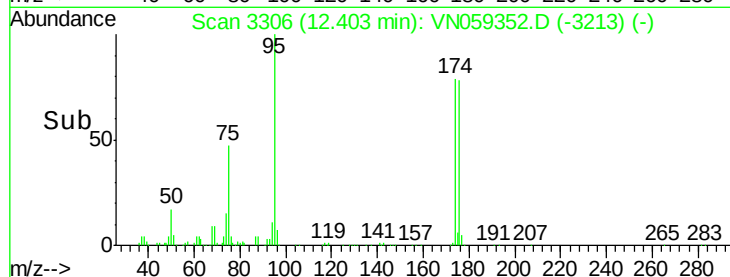


Abundance Ion 94.90 (94.60 to 95.60): VN059352.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN059352.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN059352.D (-2903) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

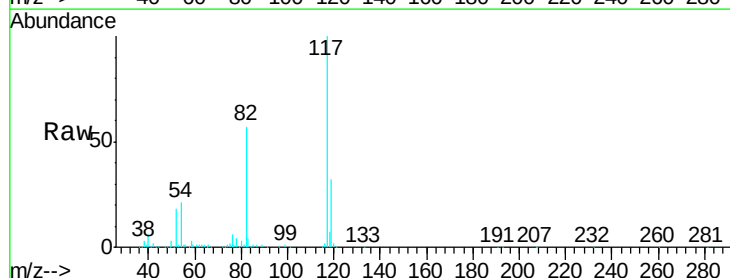
Tgt Ion: 117 Resp: 453191

Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

119 31.5 25.8 38.6

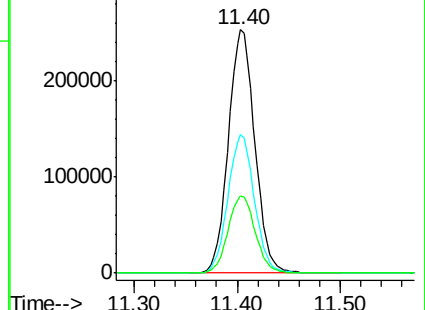
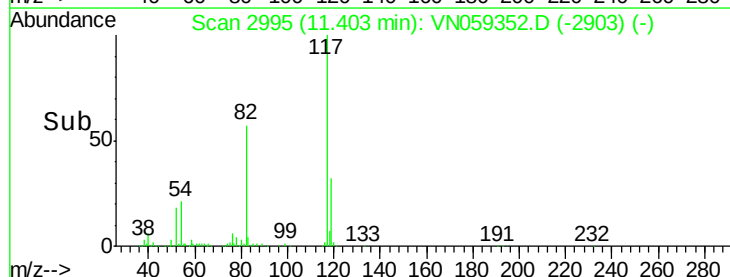


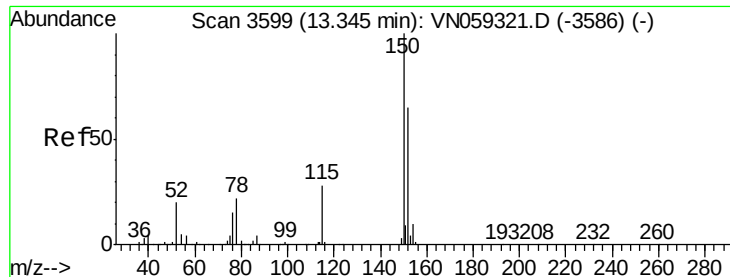
Abundance Ion 116.90 (116.60 to 117.60): VN059352.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN059352.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN059352.D (-2903) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBL01

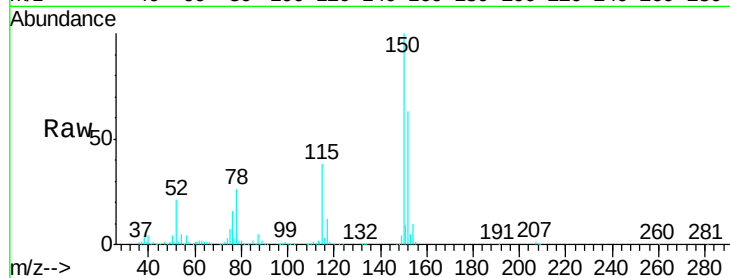
Tgt Ion: 152 Resp: 166685

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

150 159.4 0.0 346.0



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

200000

150000

100000

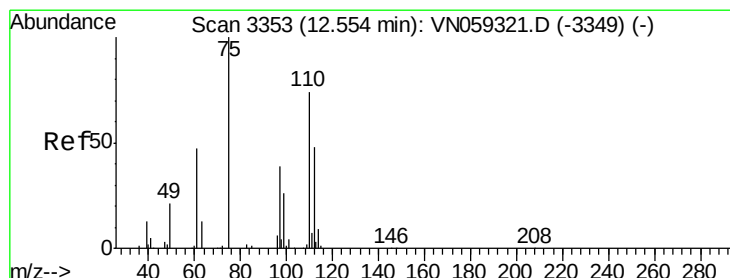
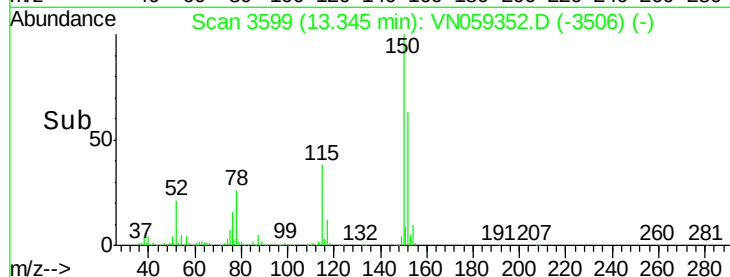
50000

0

13.35

13.30 13.35 13.40

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.138 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059352.D

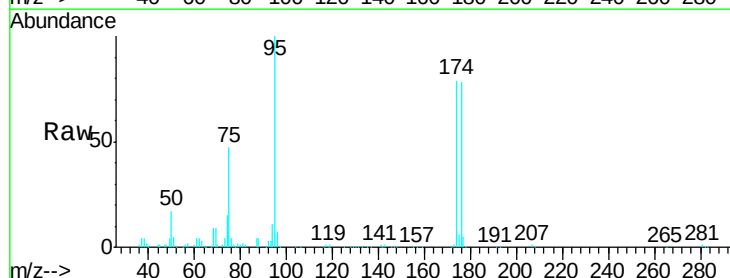
Acq: 22 Nov 2019 10:28

Tgt Ion: 75 Resp: 96804

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

60000

50000

40000

30000

20000

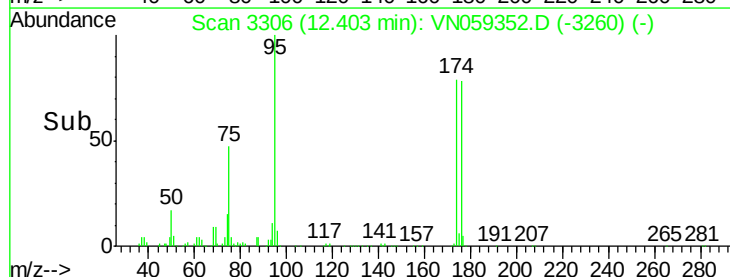
10000

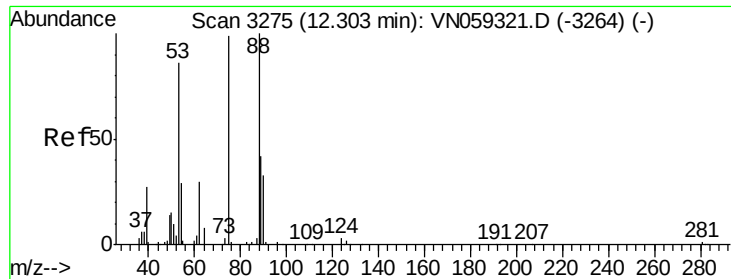
0

12.40

12.30 12.40 12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 62.875 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBL01

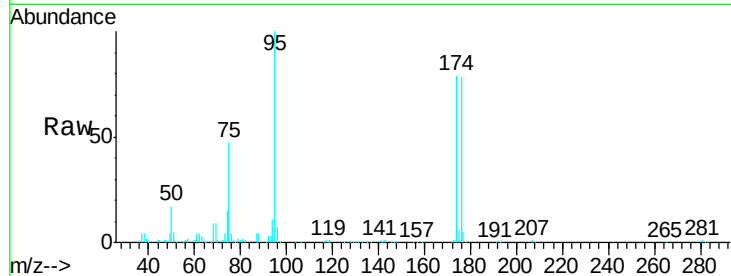
Tgt Ion: 75 Resp: 96804

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

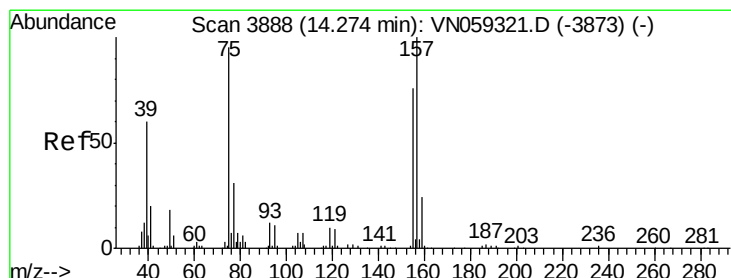
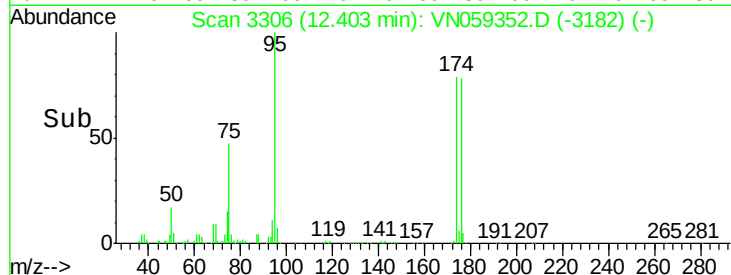
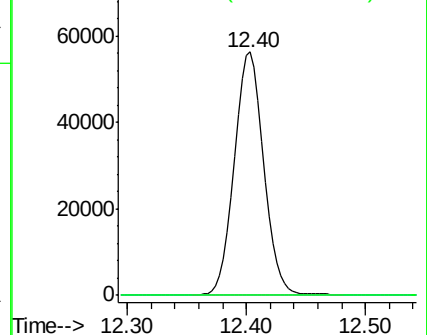
89 0.0 35.4 53.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.610 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059352.D

Acq: 22 Nov 2019 10:28

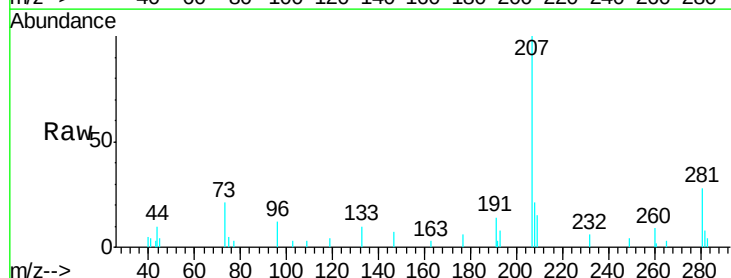
Tgt Ion: 75 Resp: 586

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

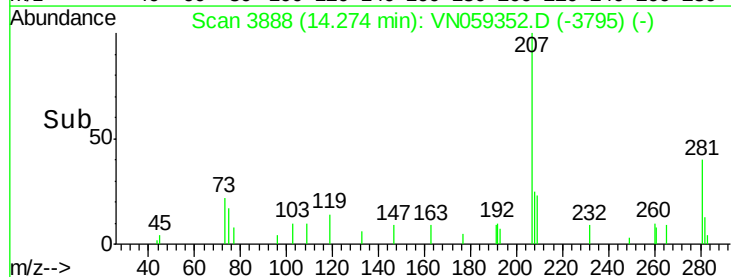
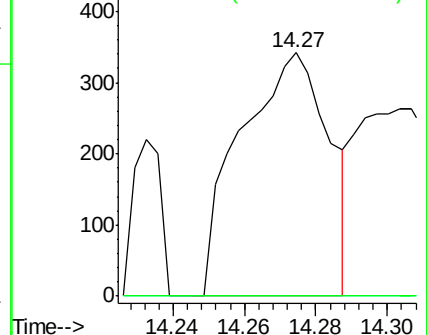
157 0.0 52.7 158.1#

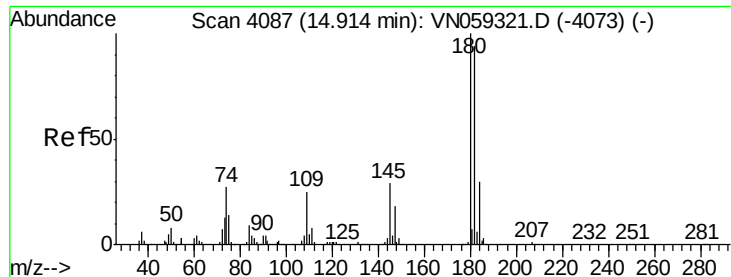


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

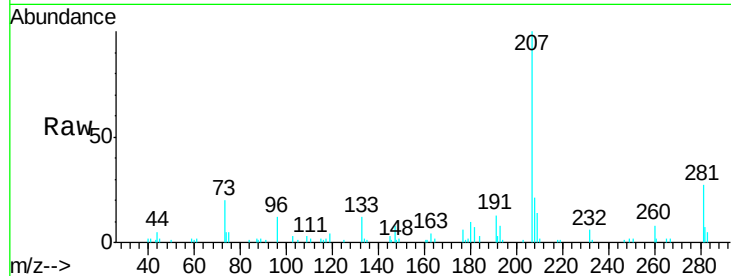




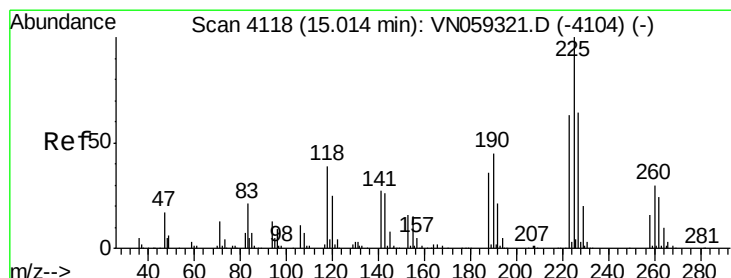
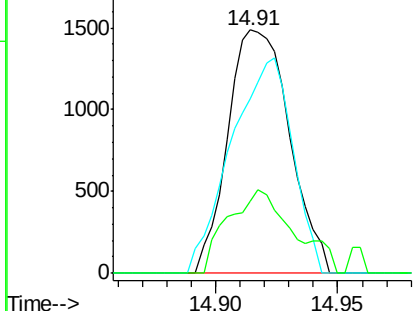
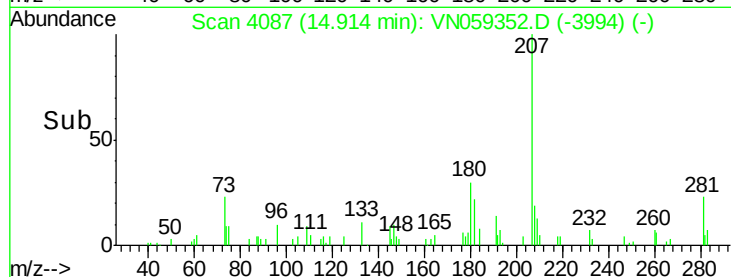
#93
 1,2,4-Trichlorobenzene
 Concen: 3.632 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059352.D
 Acq: 22 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBL01

Tgt Ion:180 Resp: 2614
 Ion Ratio Lower Upper
 180 100
 182 87.8 47.2 141.6
 145 36.3 14.9 44.5

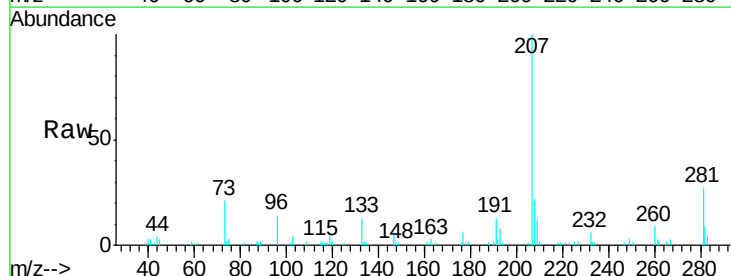


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

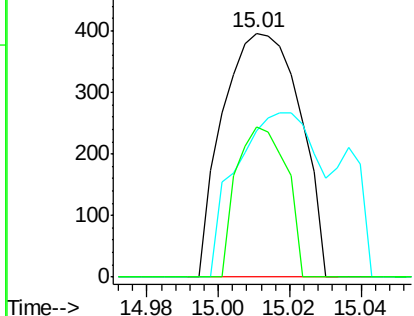
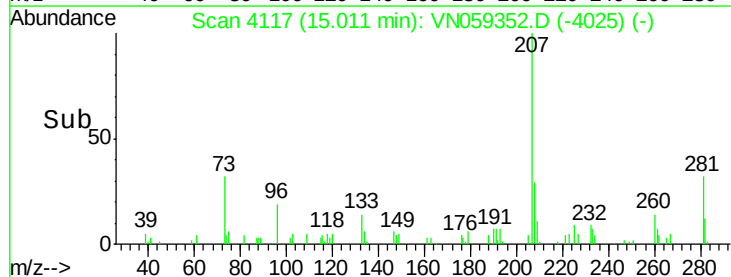


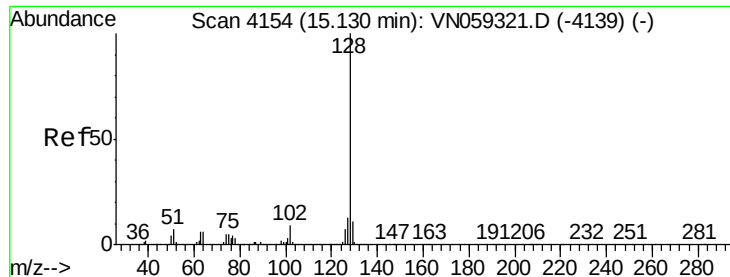
#94
 Hexachlorobutadiene
 Concen: 0.287 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059352.D
 Acq: 22 Nov 2019 10:28

Tgt Ion:225 Resp: 591
 Ion Ratio Lower Upper
 225 100
 223 70.7 31.6 94.8
 227 39.9 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

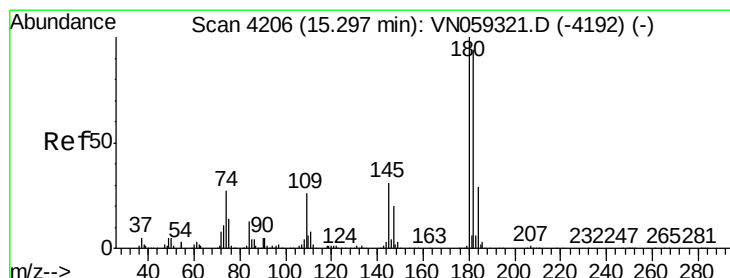
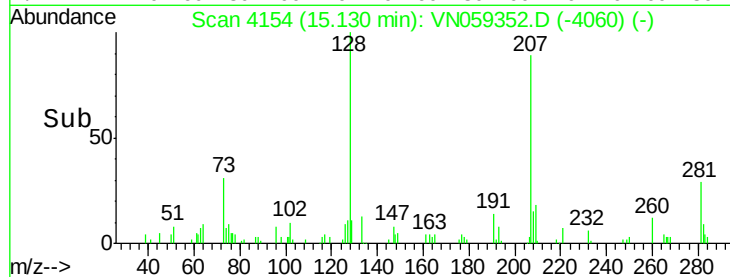
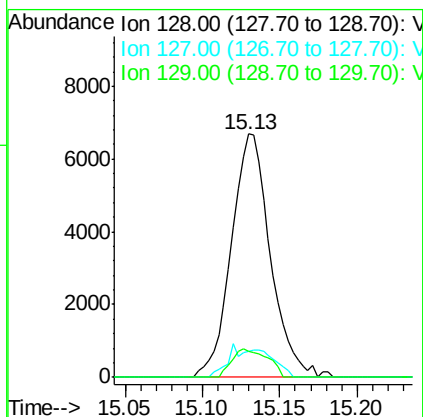
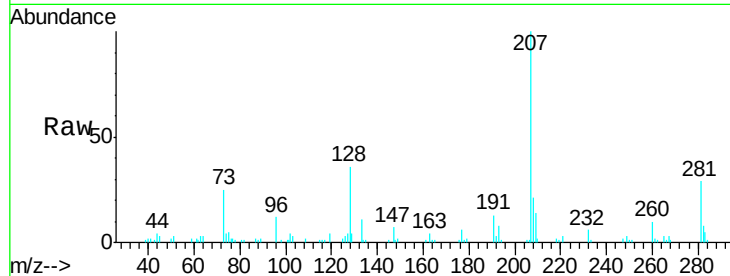




#95
Naphthalene
Concen: 4.282 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059352.D
Acq: 22 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBL01

Tgt Ion:128 Resp: 11688
Ion Ratio Lower Upper
128 100
127 5.3 10.2 15.2#
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.070 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059352.D
Acq: 22 Nov 2019 10:28

Tgt Ion:180 Resp: 4231
Ion Ratio Lower Upper
180 100
182 85.5 47.1 141.4
145 42.6 15.6 46.8

