

Data File : VN053380.D
Acq On : 14 Jan 2019 10:11
Operator : JC/SP
Sample : VN0114WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBL01

Quant Time: Jan 14 22:50:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	876044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1351348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1267354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	542526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	433845	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	399062	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.09	98	1677350	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	580948	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

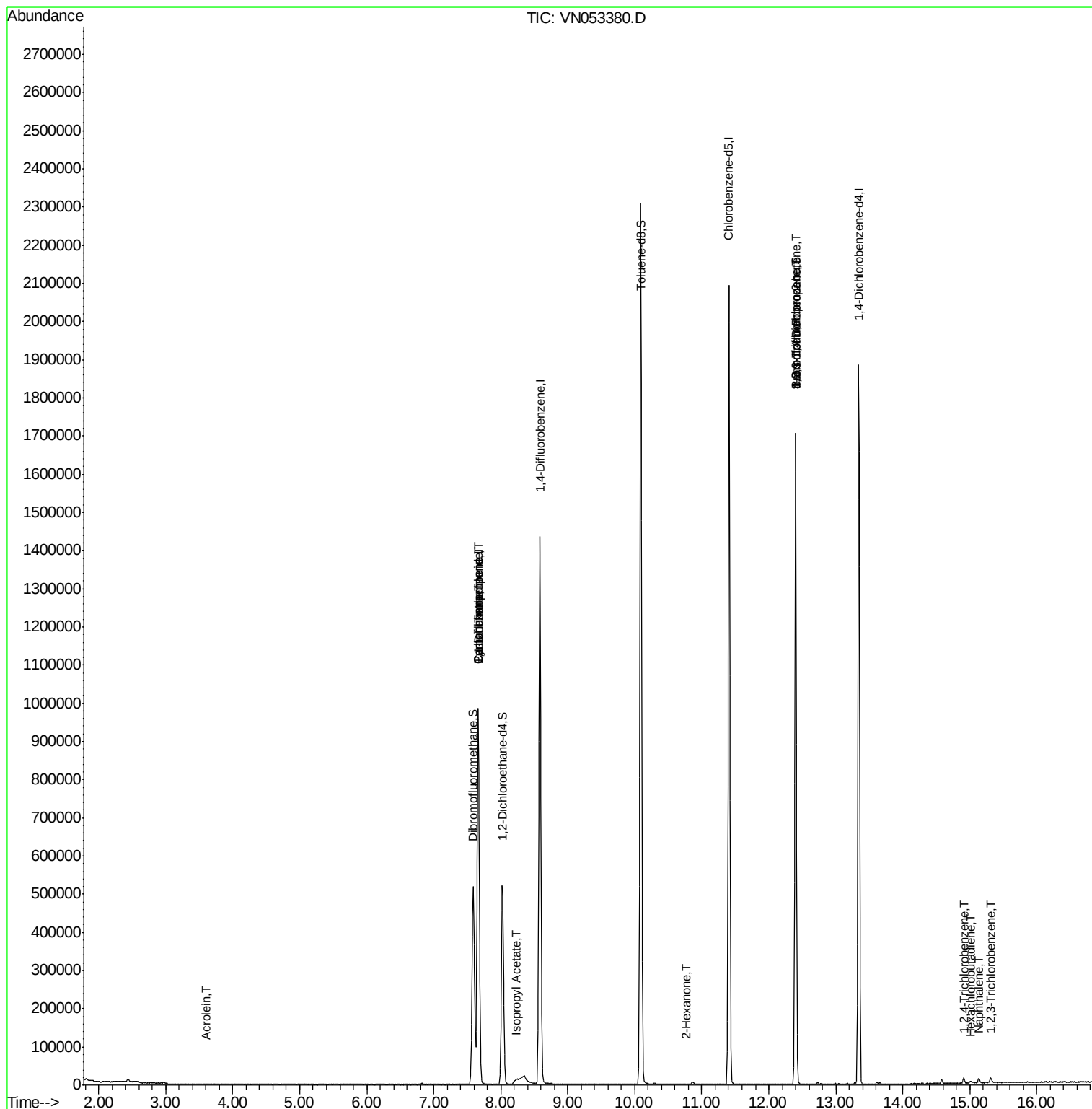
					Qvalue	
13) Acrolein	3.60	56	216	0.313	ug/l	96
16) Acetone	3.81	43	546	Below Cal	#	40
31) Cyclohexane	7.66	56	13746	0.692	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	57753	4.578	ug/l #	49
38) Carbon Tetrachloride	7.66	117	75069	6.447	ug/l #	16
43) Isopropyl Acetate	8.22	43	8982	0.556	ug/l #	52
59) 2-Hexanone	10.75	43	1843	0.331	ug/l	62
71) Bromoform	12.40	173	3515	0.516	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	268249	33.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	268249	99.738	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	5118	0.915	ug/l	99
94) Hexachlorobutadiene	15.02	225	1048	0.229	ug/l	94
95) Naphthalene	15.13	128	10913	1.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5518	1.507	ug/l	99

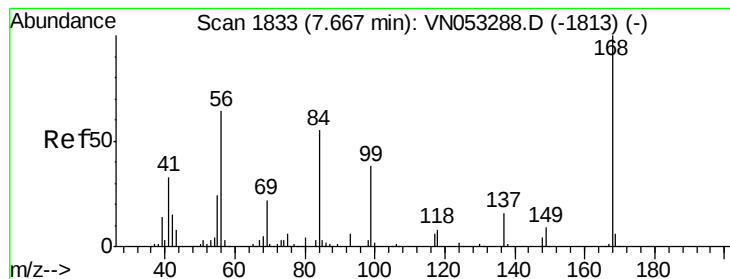
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

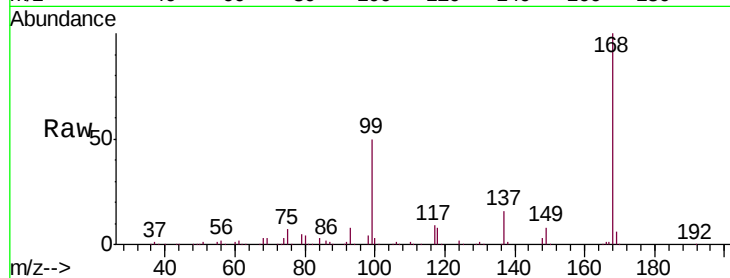
VN0114WBL01

Tgt Ion:168 Resp: 876044

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

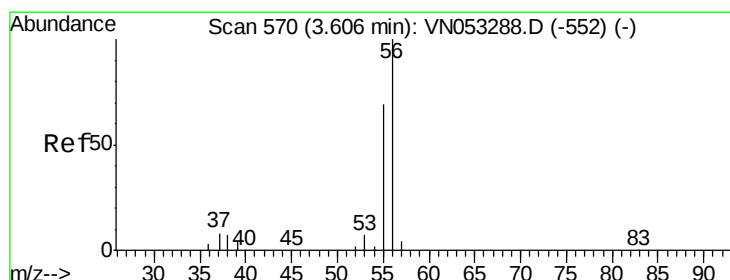
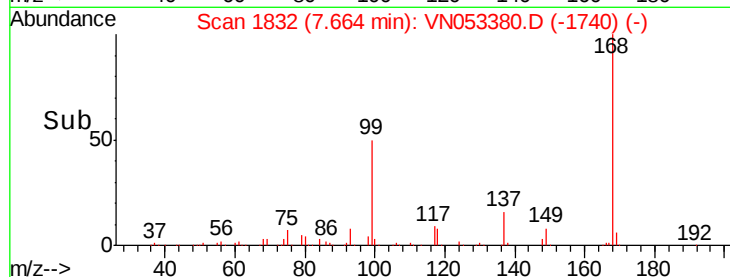
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.313 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053380.D

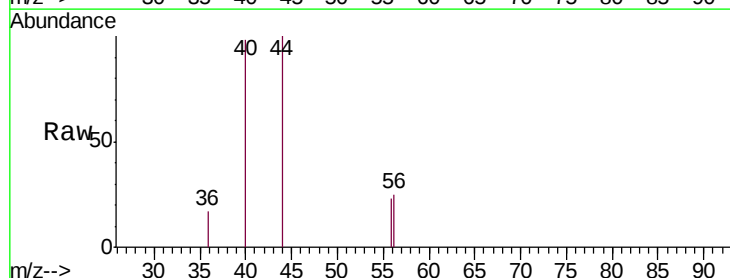
Acq: 14 Jan 2019 10:11

Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

56 100

55 67.1 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.60

500

400

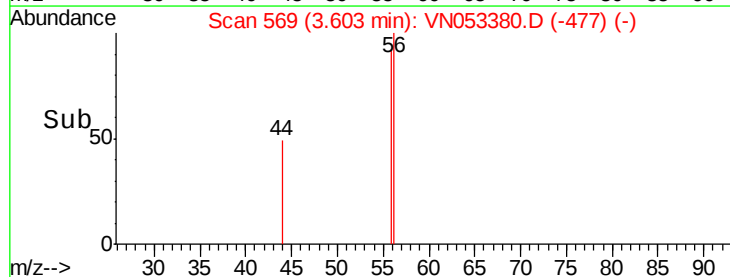
300

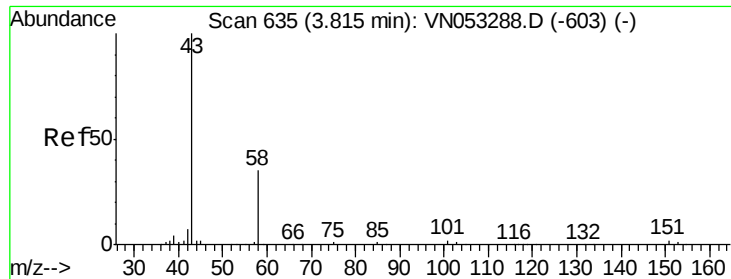
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

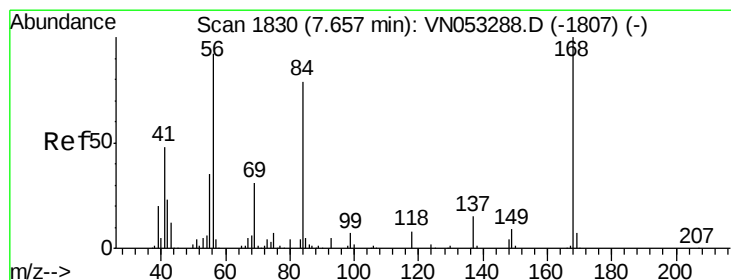
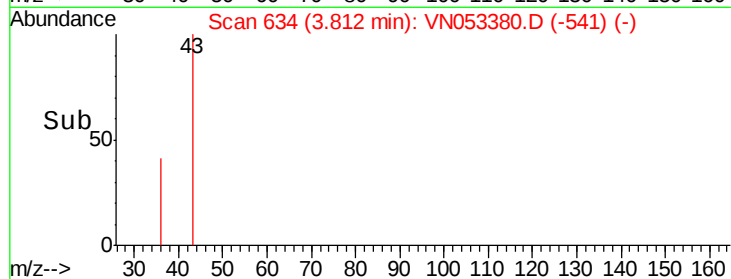
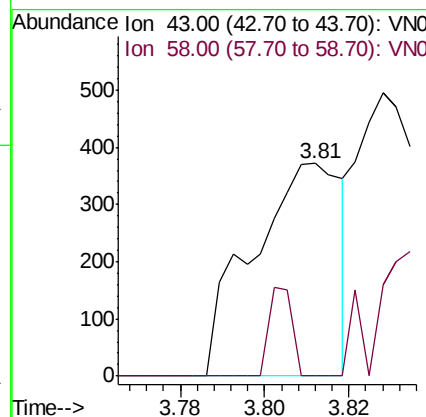
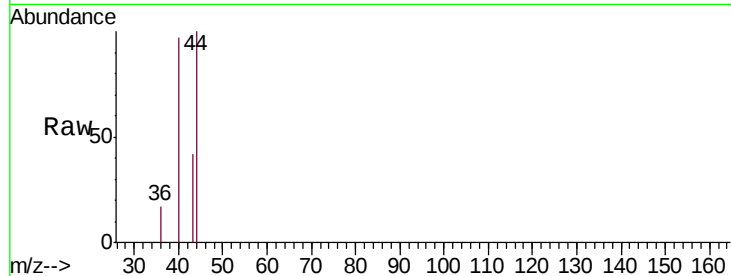
VN0114WBL01

Tgt Ion: 43 Resp: 546

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#31

Cyclohexane

Concen: 0.692 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

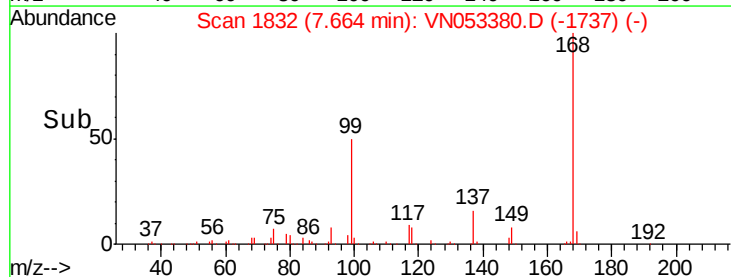
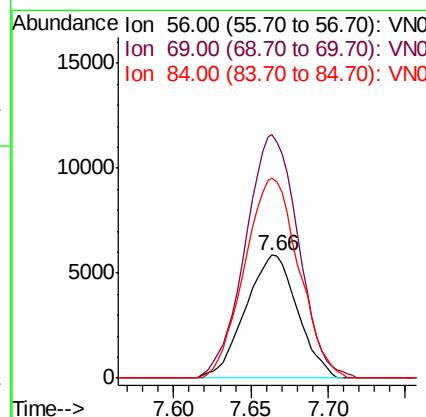
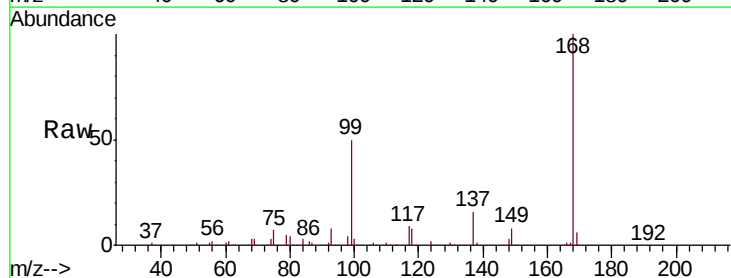
Tgt Ion: 56 Resp: 13746

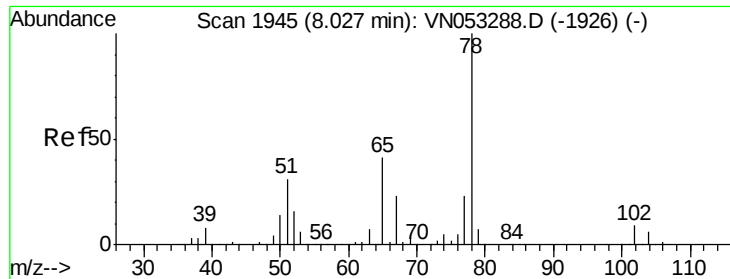
Ion Ratio Lower Upper

56 100

69 198.0 26.7 40.1#

84 162.8 68.2 102.4#

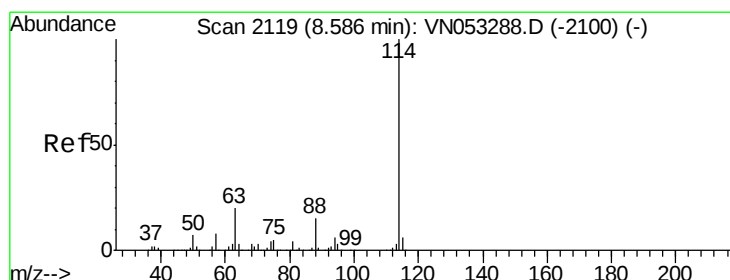
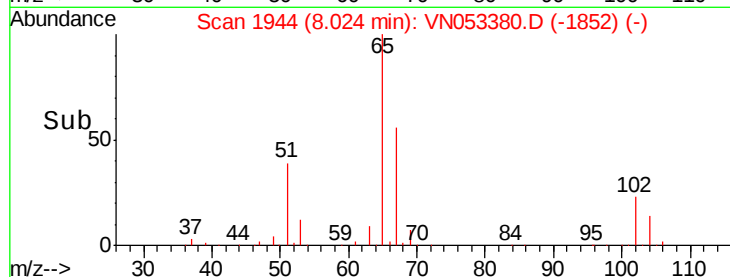
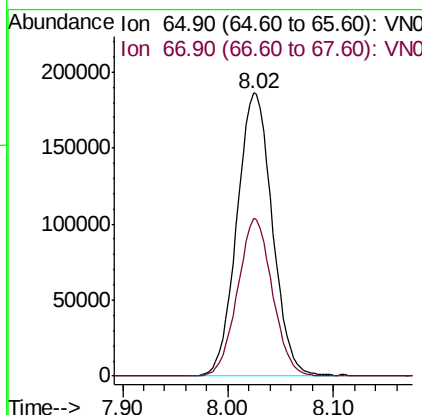
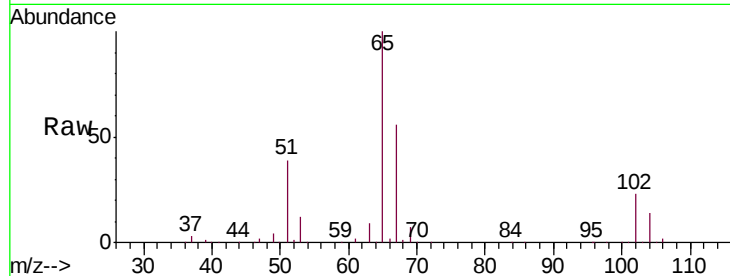




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

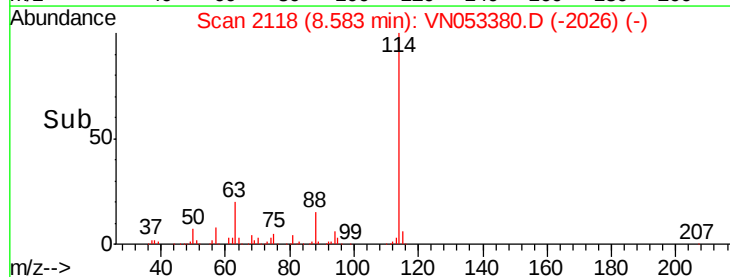
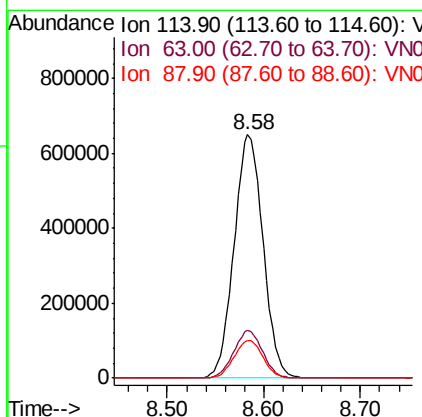
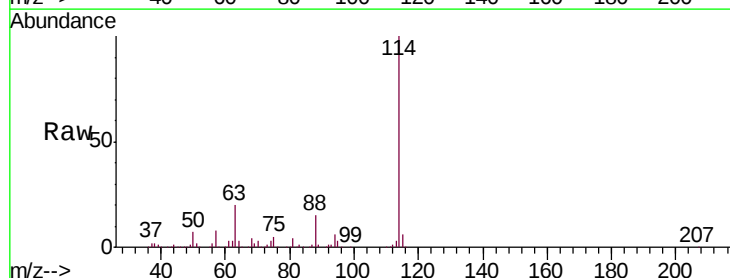
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBL01

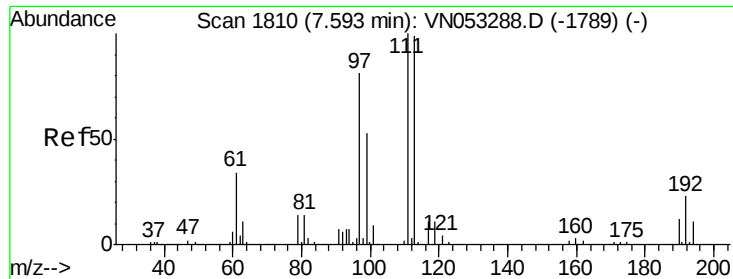
Tgt Ion: 65 Resp: 433845
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

Tgt Ion: 114 Resp: 1351348
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.8

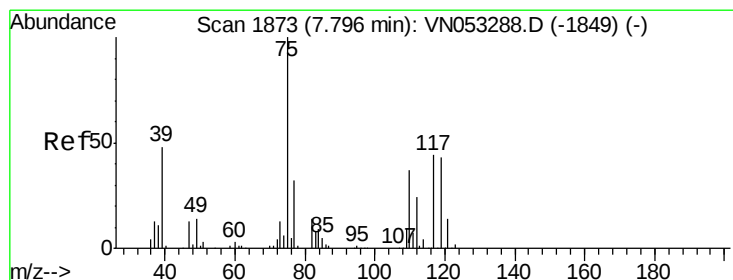
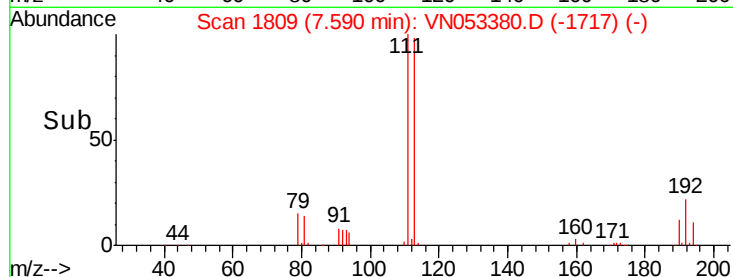
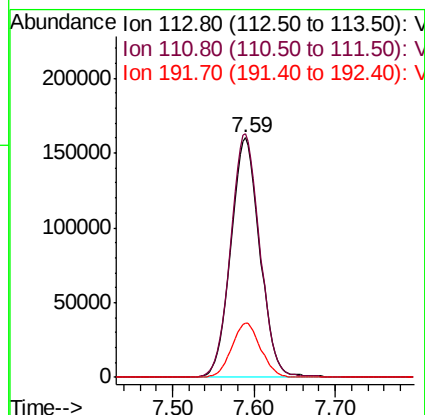
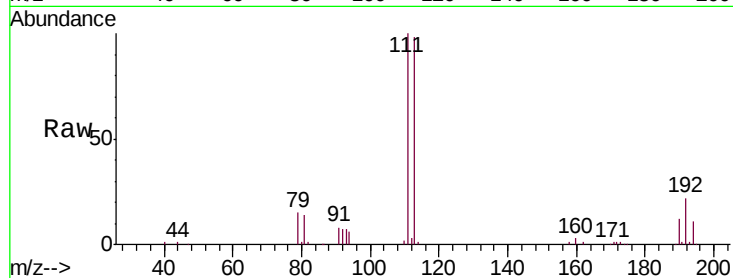




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

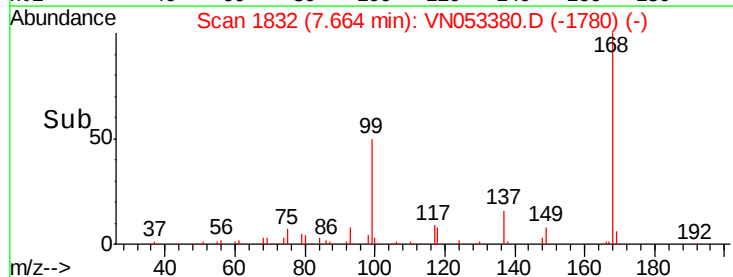
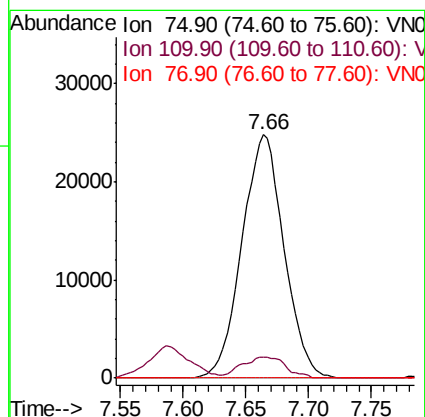
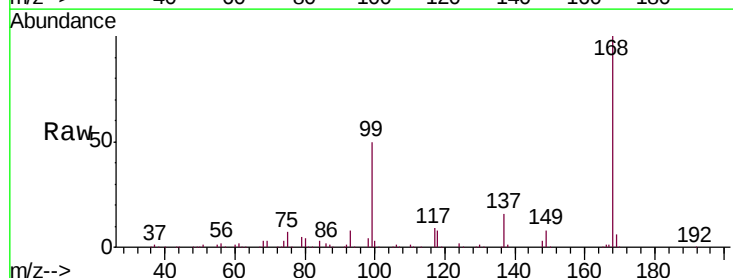
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBL01

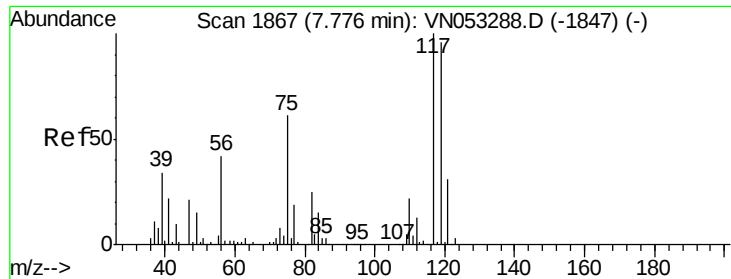
Tgt Ion:113 Resp: 399062
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 22.6 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

Tgt Ion: 75 Resp: 57753
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.0#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.447 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

VN0114WBL01

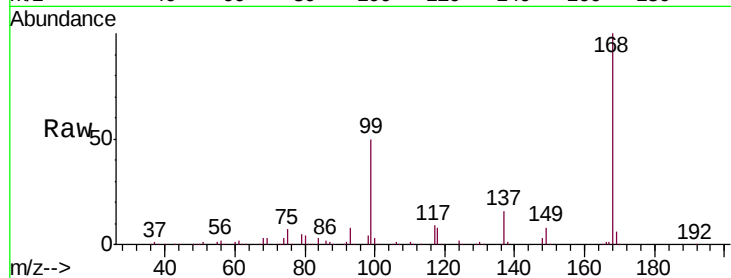
Tgt Ion:117 Resp: 75069

Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

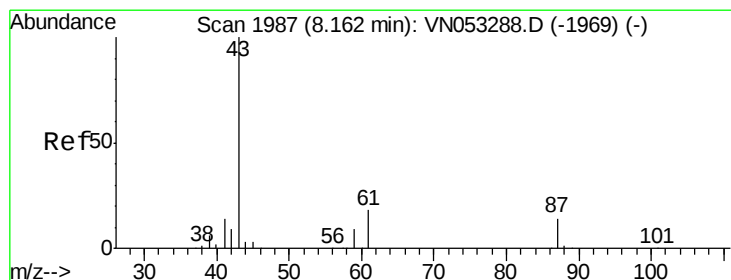
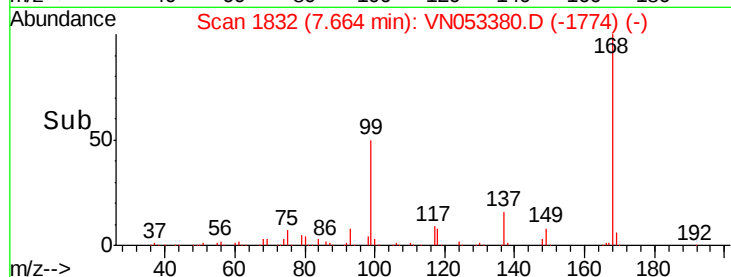
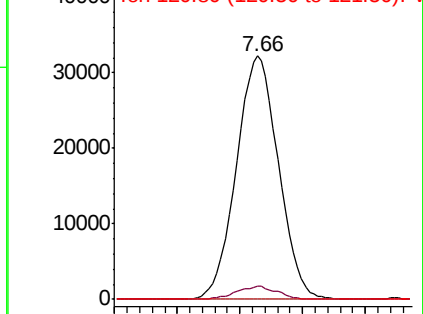
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 0.556 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

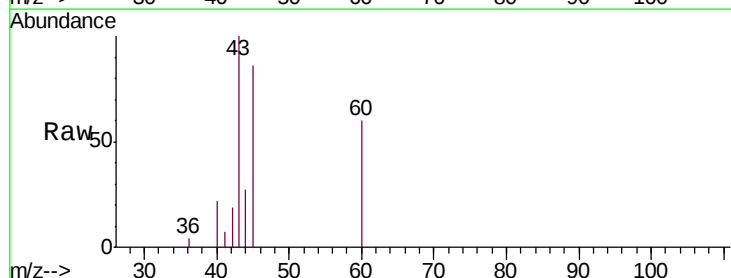
Tgt Ion: 43 Resp: 8982

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

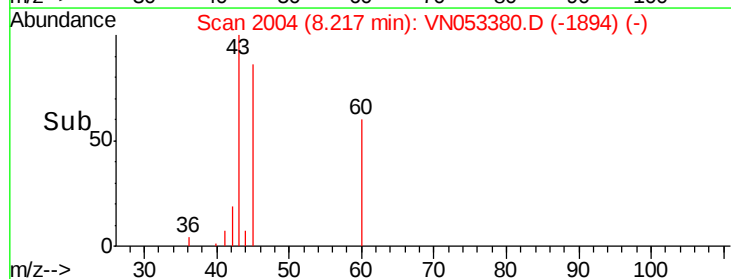
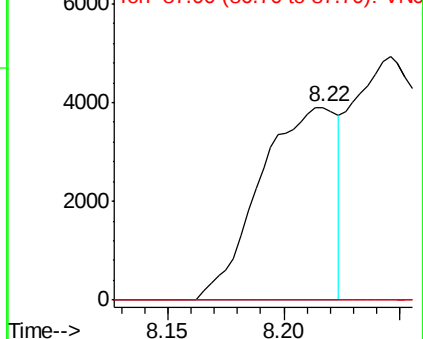
87 0.0 10.8 16.2#

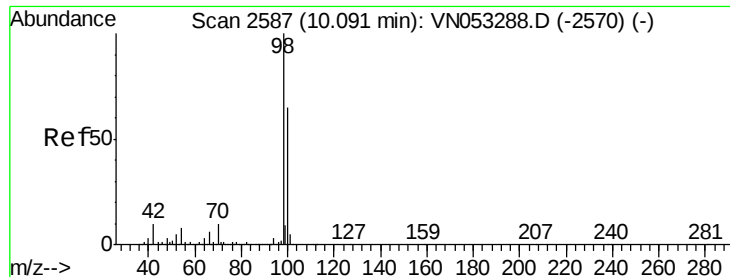


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

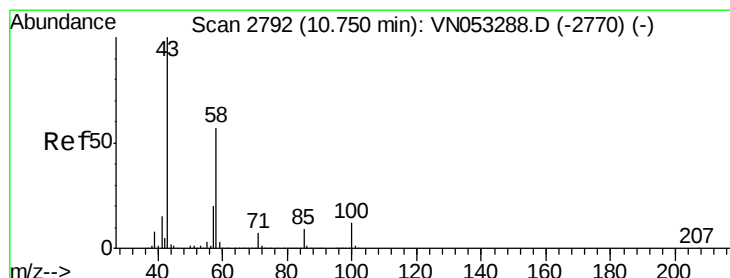
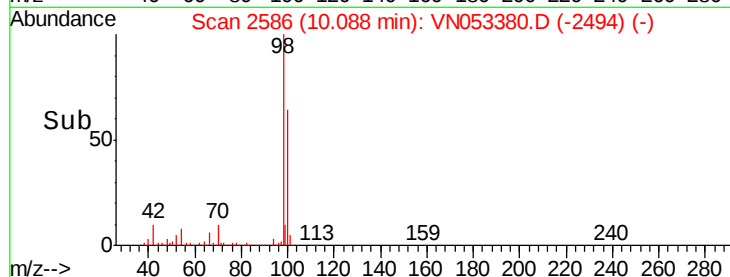
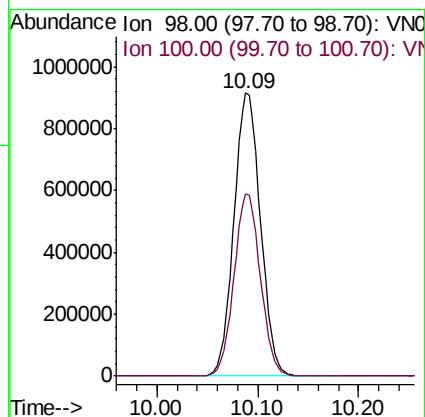
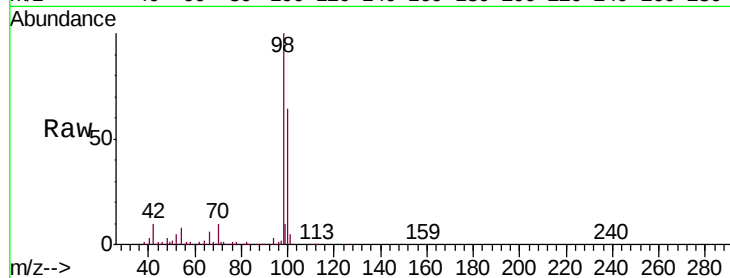
VN0114WBL01

Tgt Ion: 98 Resp: 1677350

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



#59

2-Hexanone

Concen: 0.331 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053380.D

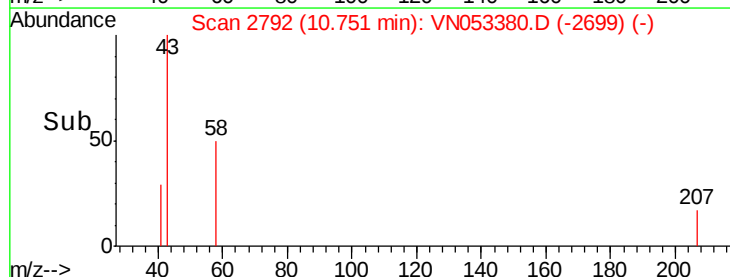
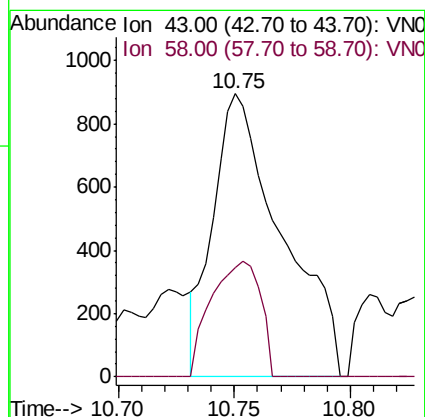
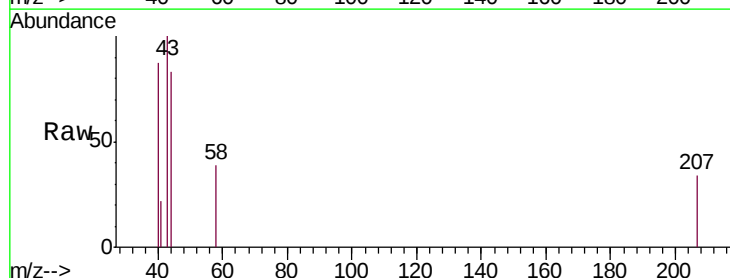
Acq: 14 Jan 2019 10:11

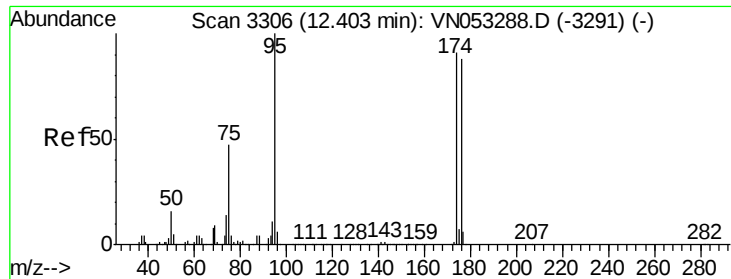
Tgt Ion: 43 Resp: 1843

Ion Ratio Lower Upper

43 100

58 29.1 28.3 85.0

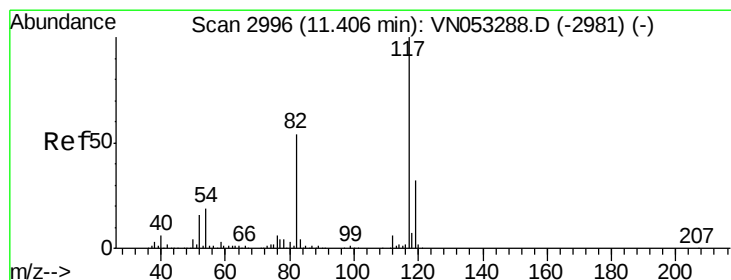
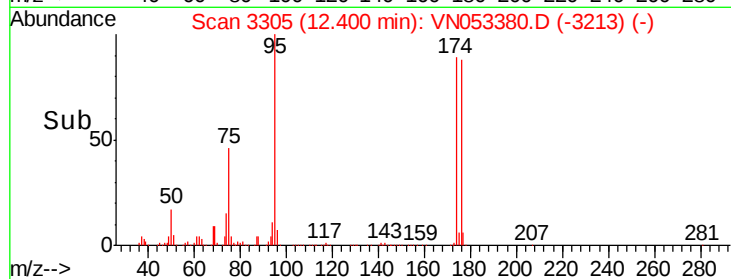
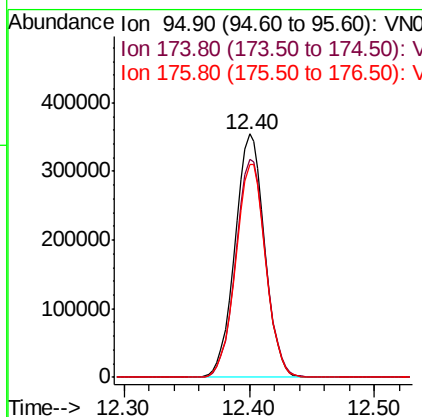
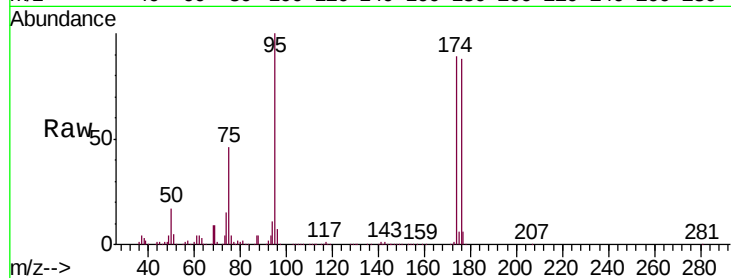




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053380.D
Acq: 14 Jan 2019 10:11

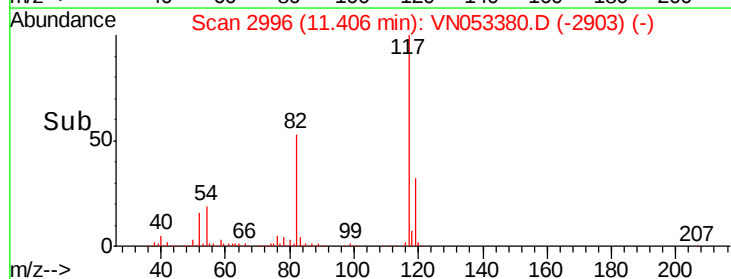
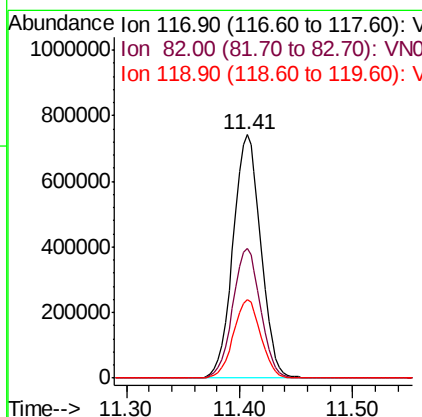
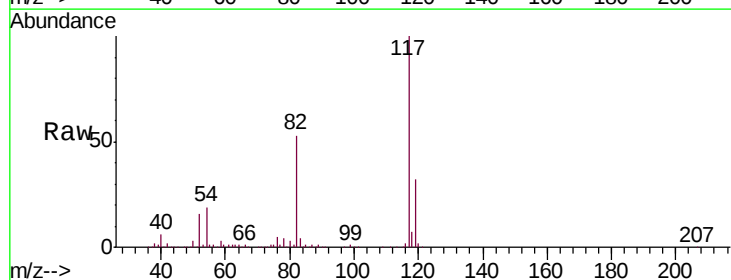
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBL01

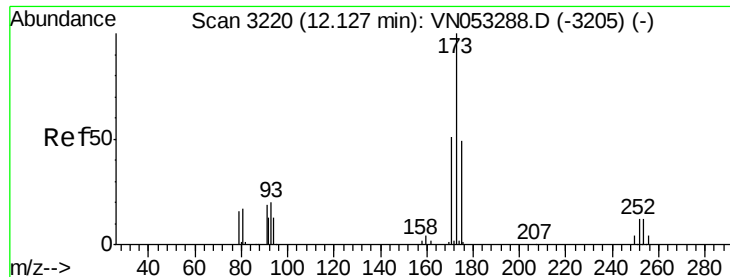
Tgt Ion: 95 Resp: 580948
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.4
176 88.4 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053380.D
Acq: 14 Jan 2019 10:11

Tgt Ion: 117 Resp: 1267354
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.2 25.6 38.4





#71

Bromoform

Concen: 0.516 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBL01

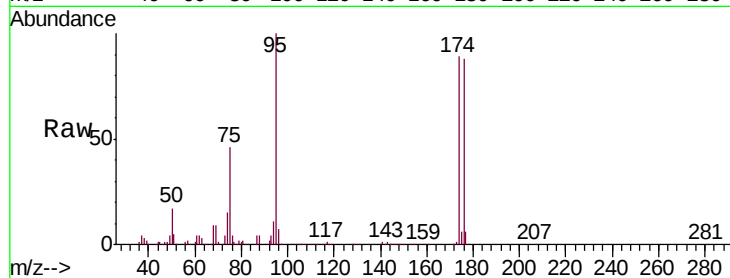
Tgt Ion:173 Resp: 3515

Ion Ratio Lower Upper

173 100

175 949.5 24.3 72.8#

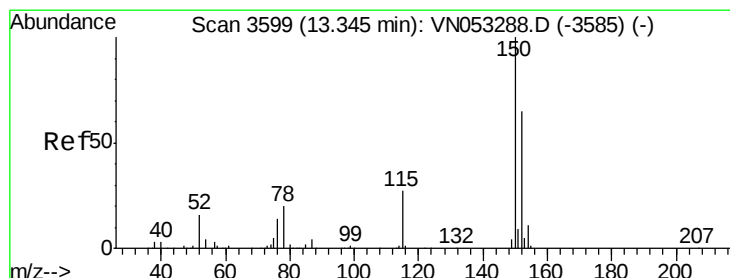
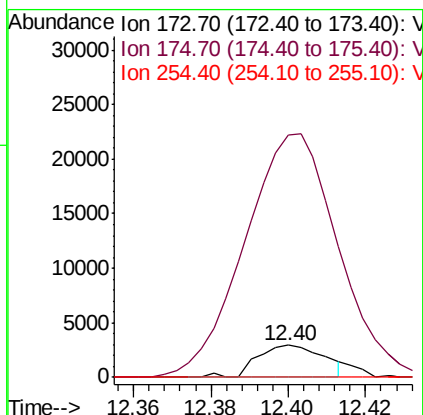
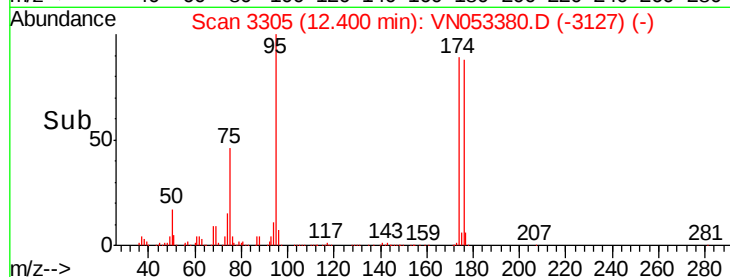
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

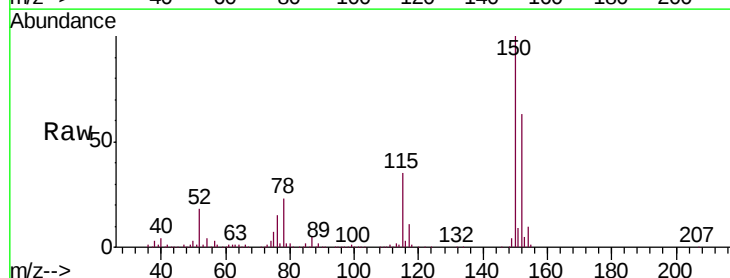
Tgt Ion:152 Resp: 542526

Ion Ratio Lower Upper

152 100

115 56.4 28.0 84.0

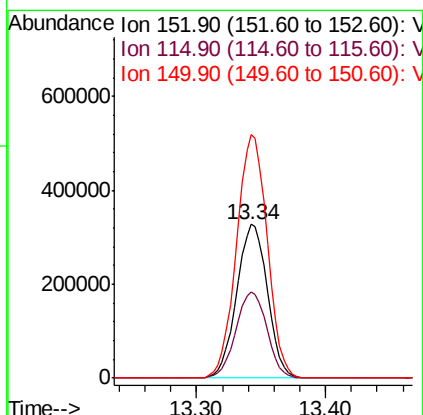
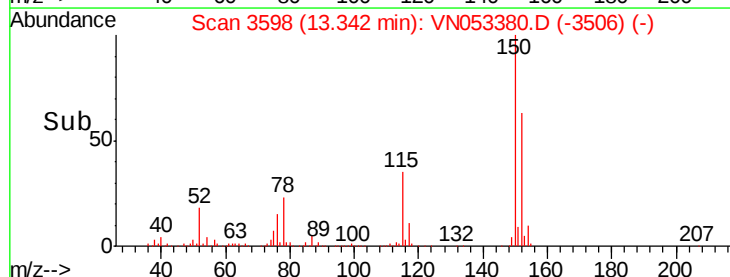
150 158.2 0.0 346.6

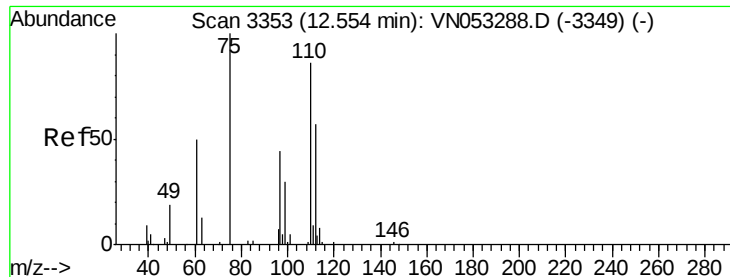


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

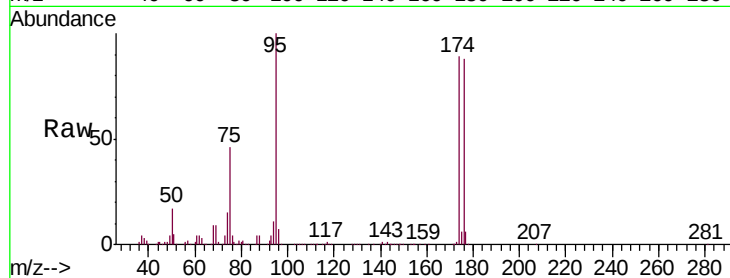
VN0114WBL01

Tgt Ion: 75 Resp: 268249

Ion Ratio Lower Upper

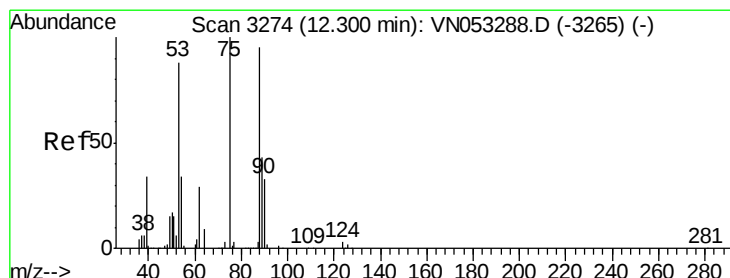
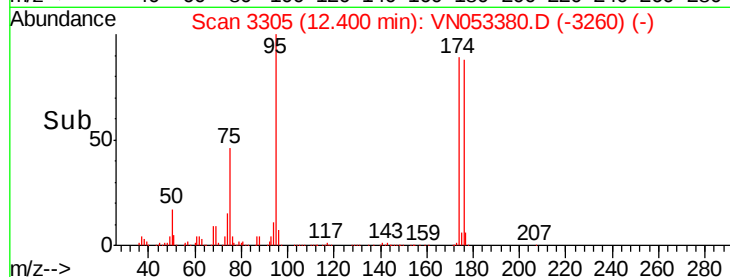
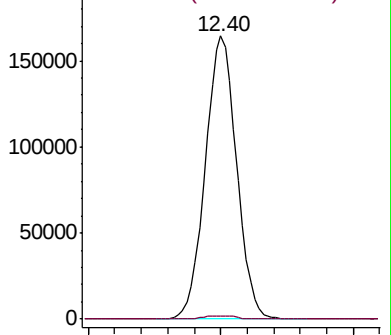
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 99.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

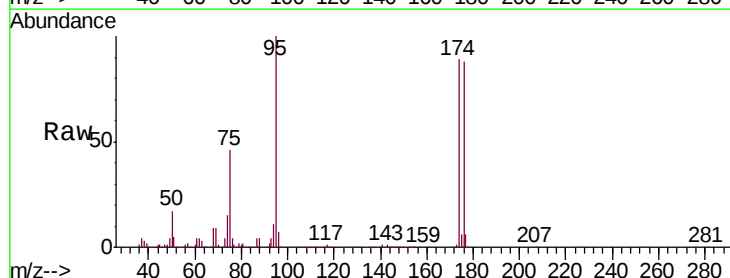
Tgt Ion: 75 Resp: 268249

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

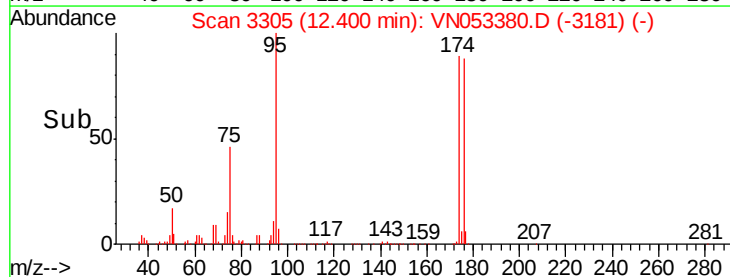
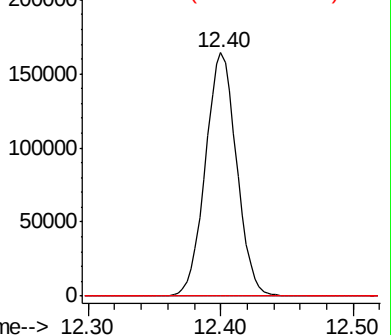
89 0.0 35.4 53.0#

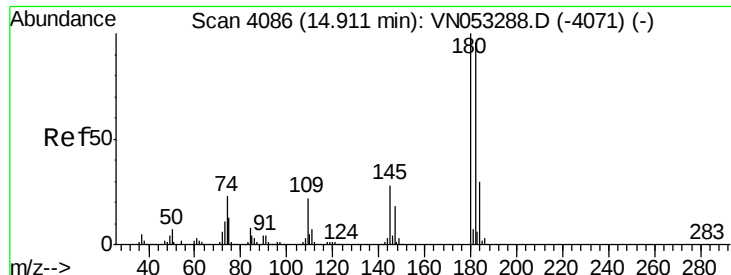


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

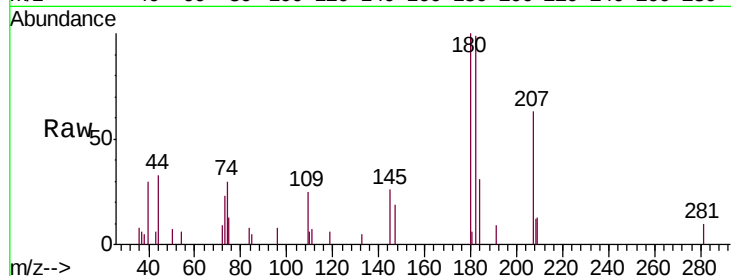




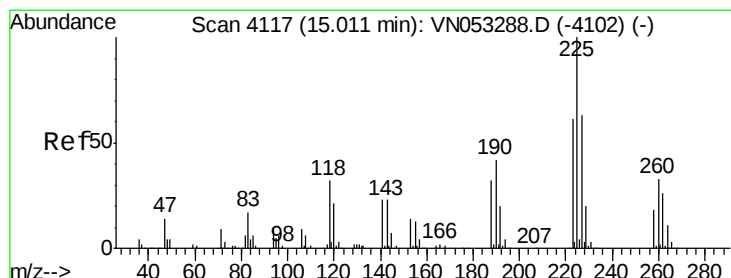
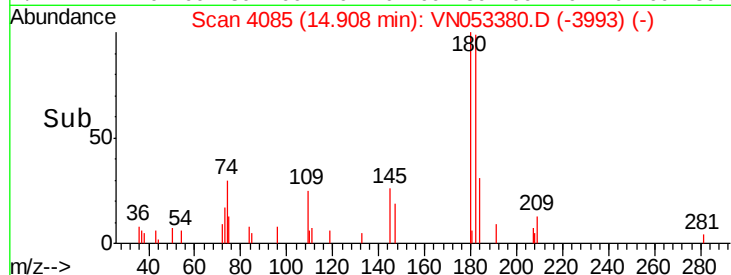
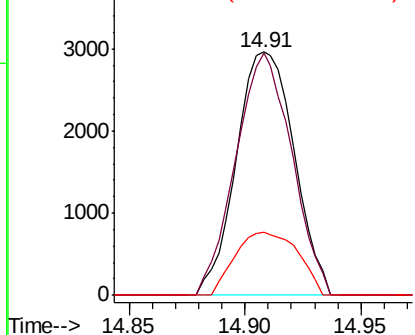
#93
 1,2,4-Trichlorobenzene
 Concen: 0.915 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBL01

Tgt Ion:180 Resp: 5118
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.8 143.4
 145 28.0 14.4 43.0

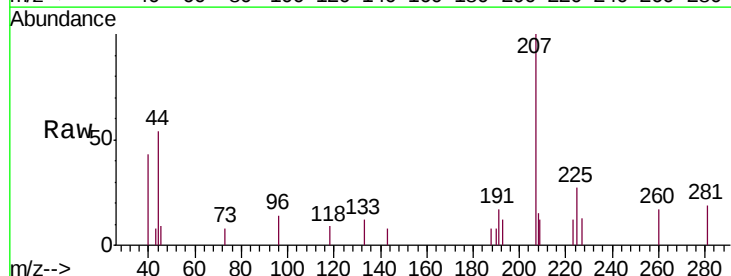


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

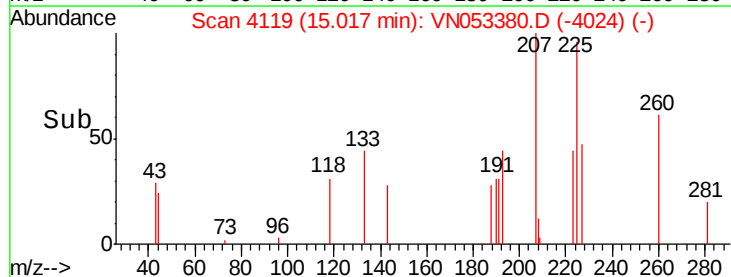
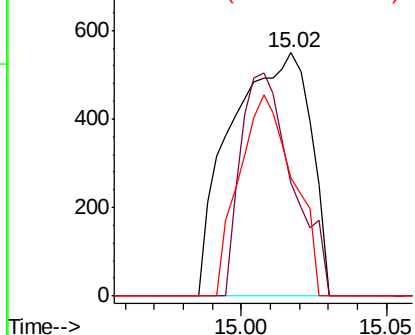


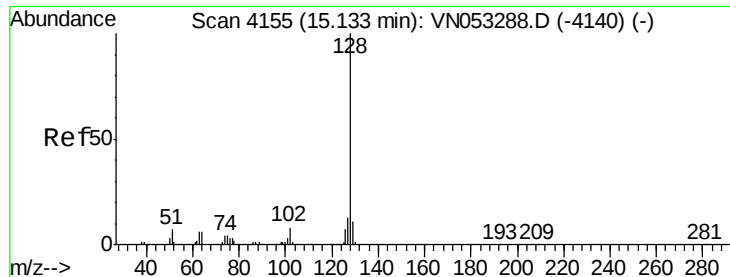
#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN053380.D
 Acq: 14 Jan 2019 10:11

Tgt Ion:225 Resp: 1048
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.9 92.8
 227 56.0 31.4 94.2



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: 1.144 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBL01

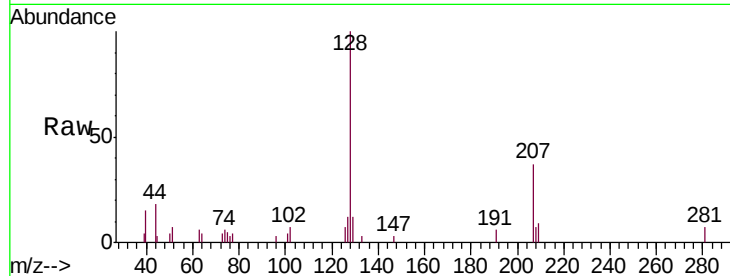
Tgt Ion:128 Resp: 10913

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

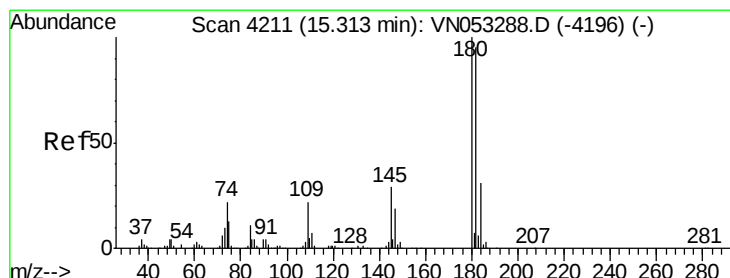
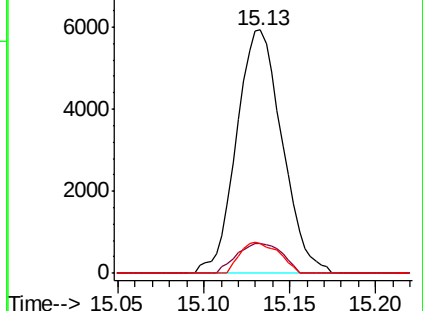
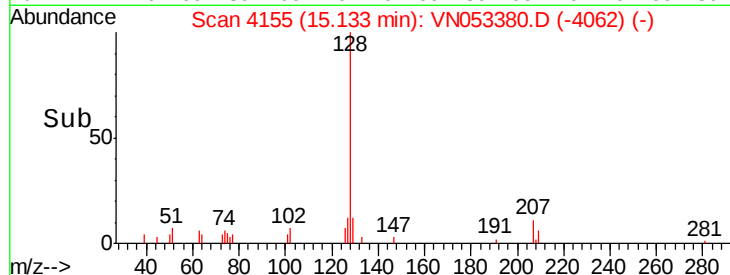
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.507 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053380.D

Acq: 14 Jan 2019 10:11

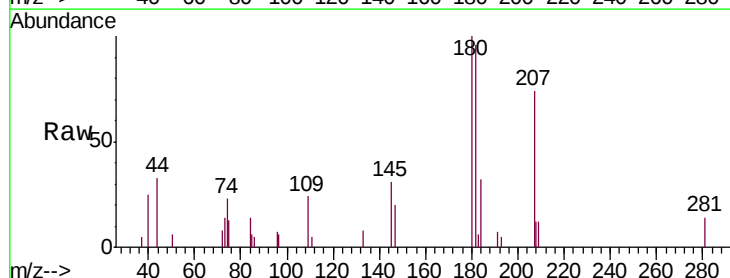
Tgt Ion:180 Resp: 5518

Ion Ratio Lower Upper

180 100

182 97.8 48.4 145.0

145 29.9 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

