

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050533.D
 Acq On : 10 Aug 2018 22:23
 Operator : MD\SY
 Sample : VN0810WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL02

Quant Time: Aug 11 04:57:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	852323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	437493	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	7.59	113	401147	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1401539	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.40	95	373955	35.60	ug/l	0.00
Spiked Amount			Recovery	=	71.20%	

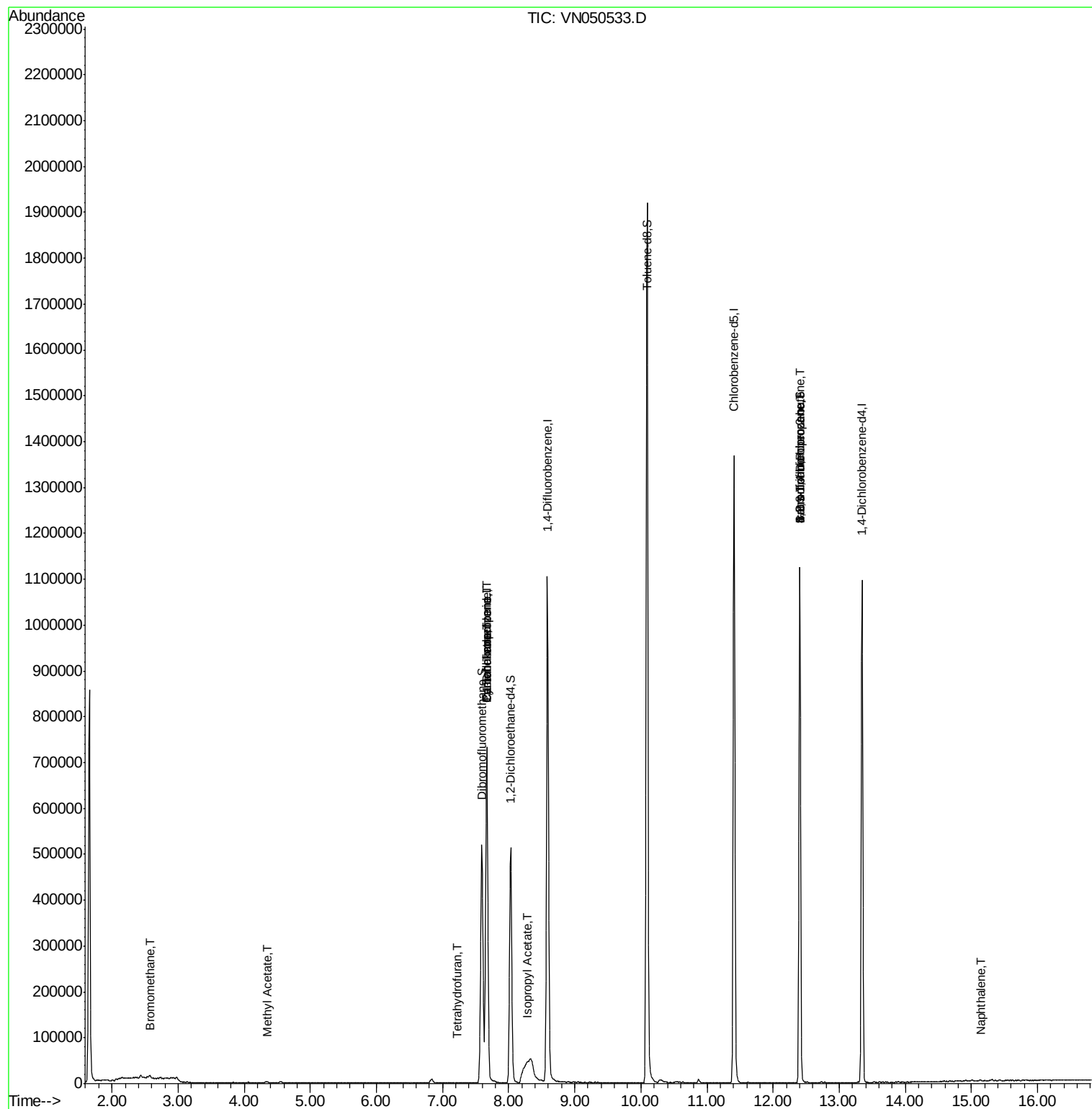
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2576	Below Cal		89
5) Bromomethane	2.57	94	3906	1.06 ug/l		90
16) Acetone	3.83	43	579	Below Cal	#	46
18) Methyl Acetate	4.33	43	6954	0.88 ug/l		90
20) Methylene Chloride	4.55	84	2061	Below Cal	#	74
29) Tetrahydrofuran	7.22	42	700	0.31 ug/l	#	40
31) Cyclohexane	7.67	56	11831	0.36 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	43694	3.89 ug/l	#	42
38) Carbon Tetrachloride	7.67	117	56093	4.79 ug/l	#	15
43) Isopropyl Acetate	8.27	43	57184	4.10 ug/l	#	61
71) Bromoform	12.40	173	3269	0.58 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	179439	31.73 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	179439	111.47 ug/l	#	13
94) Hexachlorobutadiene	15.01	225	523	Below Cal		95
95) Naphthalene	15.14	128	2597	3.78 ug/l	#	80

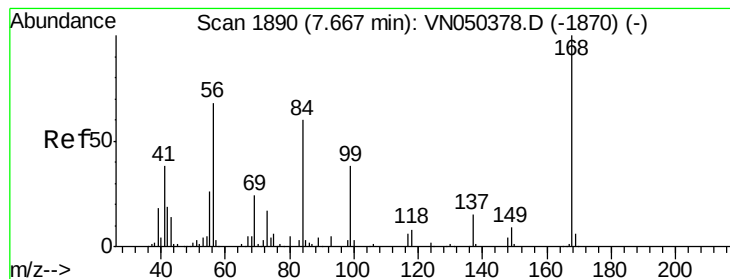
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

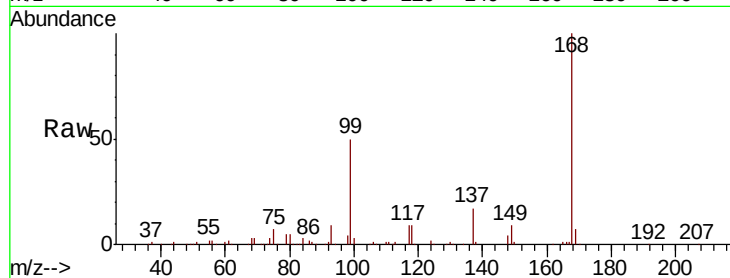
VN0810WBL02

Tot Ion:168 Resp: 628331

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

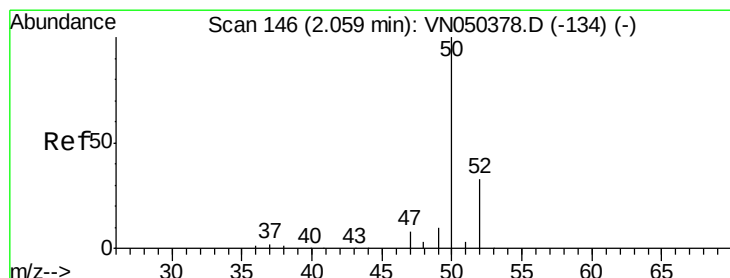
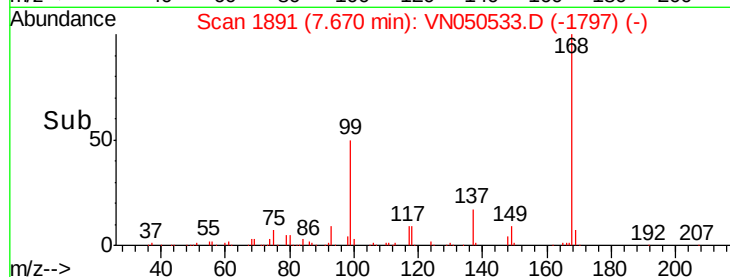
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050533.D

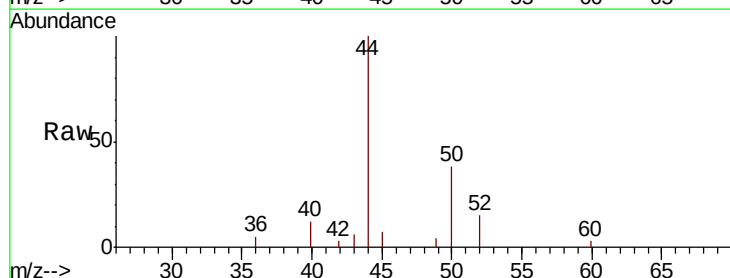
Acq: 10 Aug 2018 22:23

Tgt Ion: 50 Resp: 2576

Ion Ratio Lower Upper

50 100

52 38.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2000

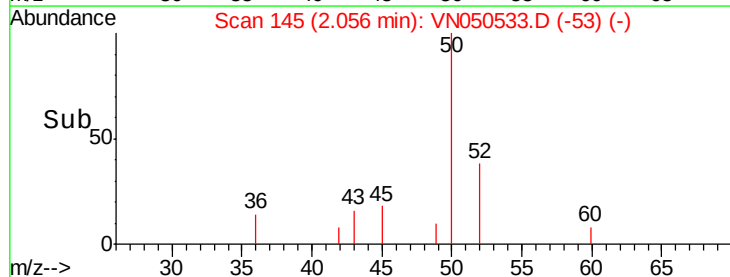
1500

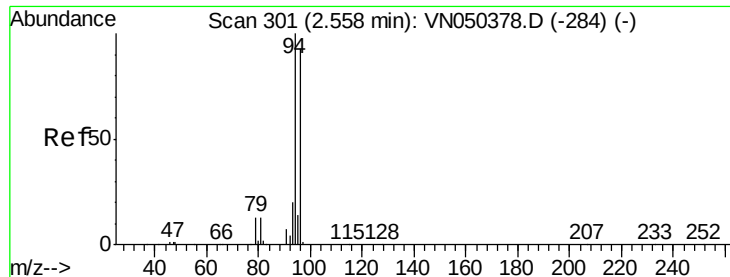
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.06 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

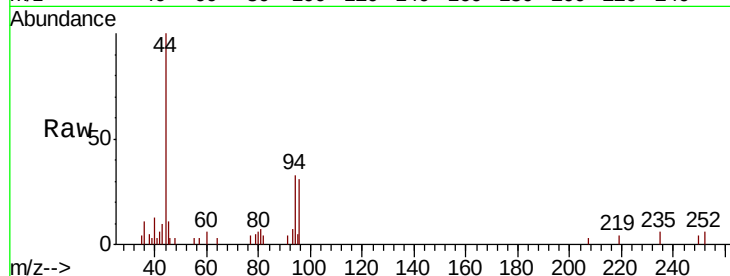
VN0810WBL02

Tot Ion: 94 Resp: 3906

Ion Ratio Lower Upper

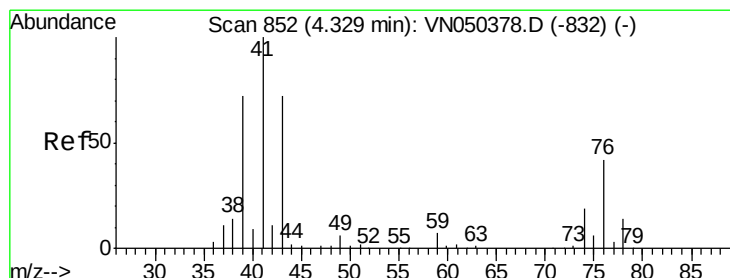
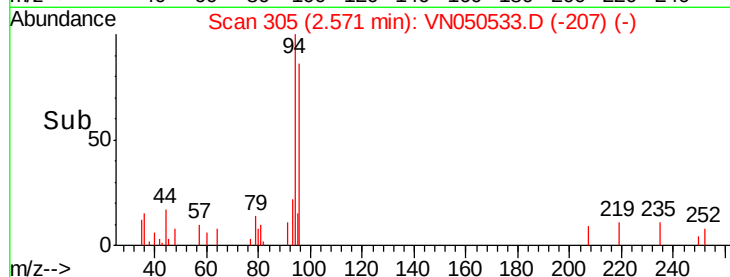
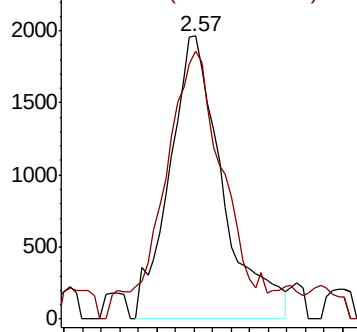
94 100

96 83.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#18

Methyl Acetate

Concen: 0.88 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050533.D

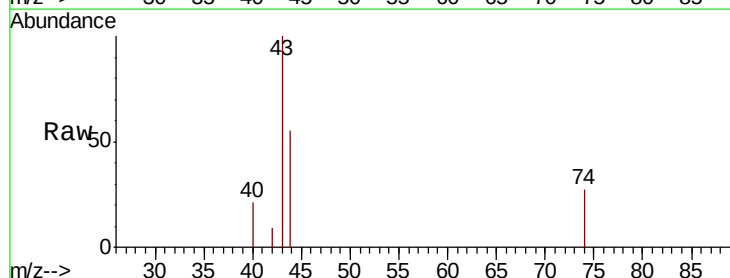
Acq: 10 Aug 2018 22:23

Tgt Ion: 43 Resp: 6954

Ion Ratio Lower Upper

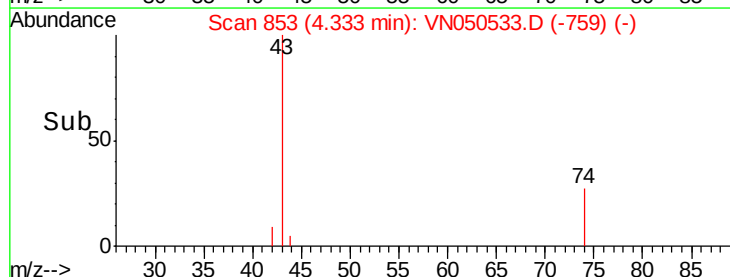
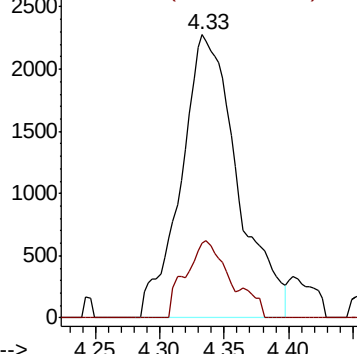
43 100

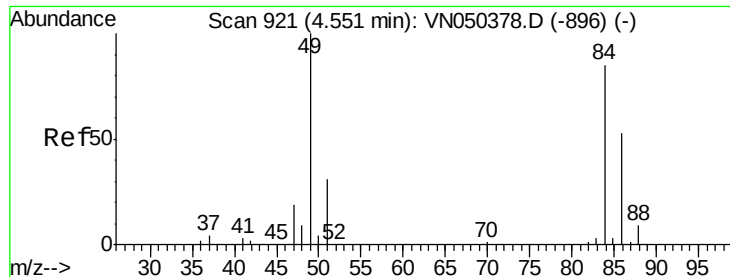
74 19.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

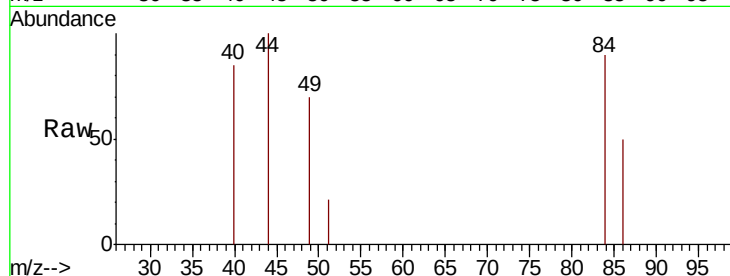




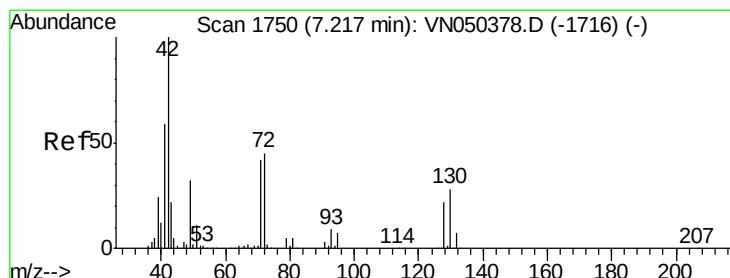
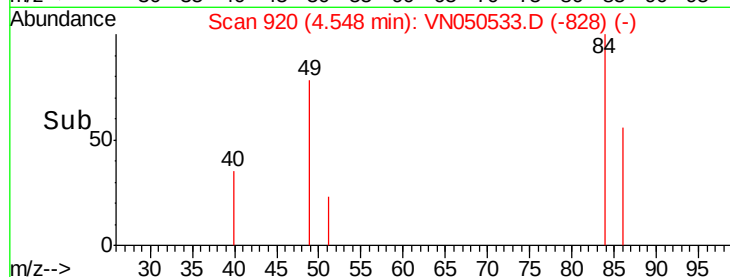
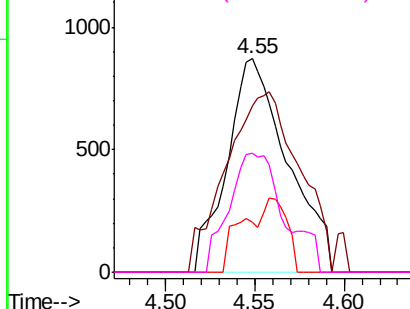
#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050533.D
Acq: 10 Aug 2018 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0810WBL02

Tot Ion: 84 Resp: 2061
Ion Ratio Lower Upper
84 100
49 78.2 94.8 142.2#
51 23.2 28.3 42.5#
86 55.5 51.0 76.6

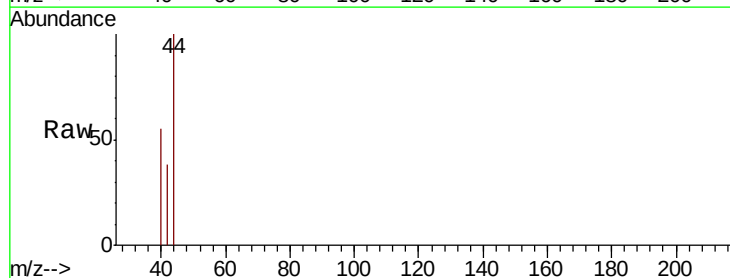


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

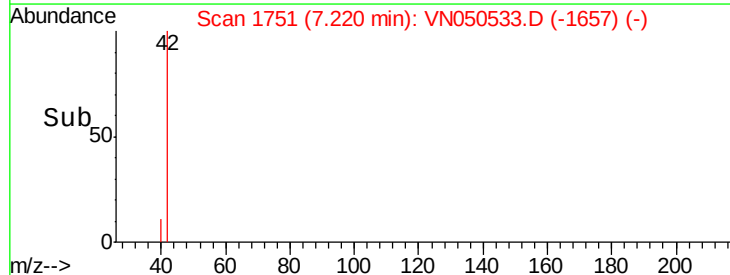
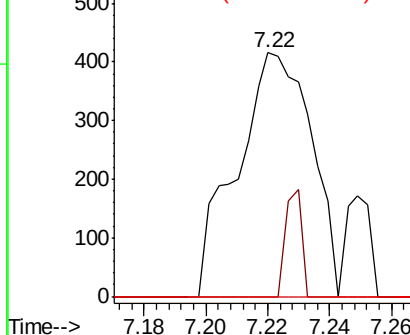


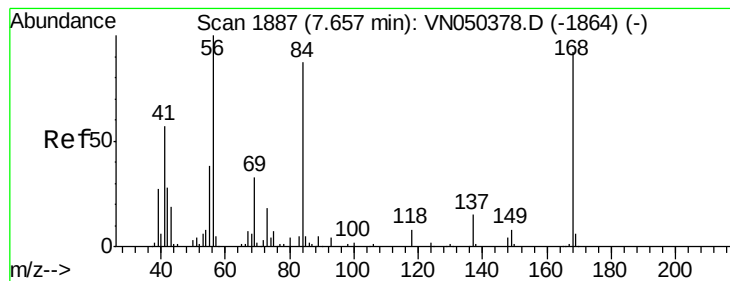
#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050533.D
Acq: 10 Aug 2018 22:23

Tgt Ion: 42 Resp: 700
Ion Ratio Lower Upper
42 100
72 9.6 35.9 53.9#
71 0.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC





#31

Cyclohexane

Concen: 0.36 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

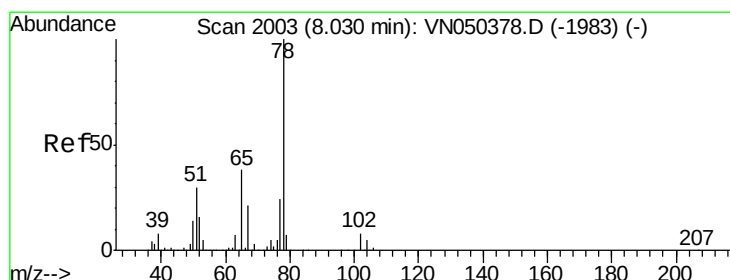
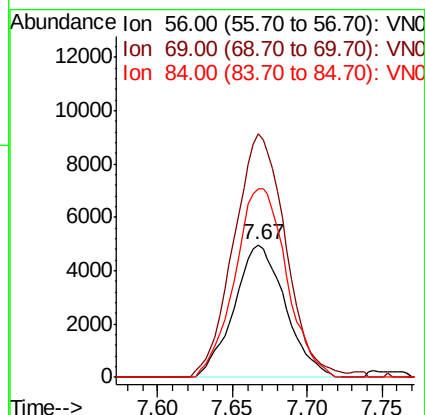
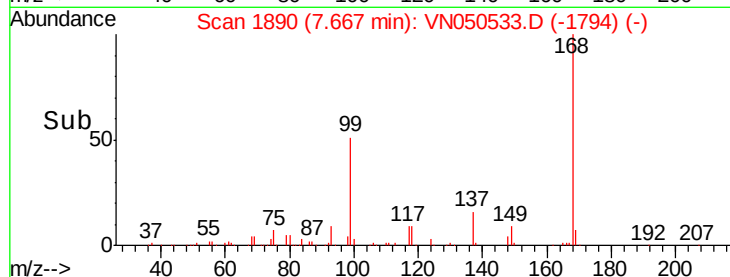
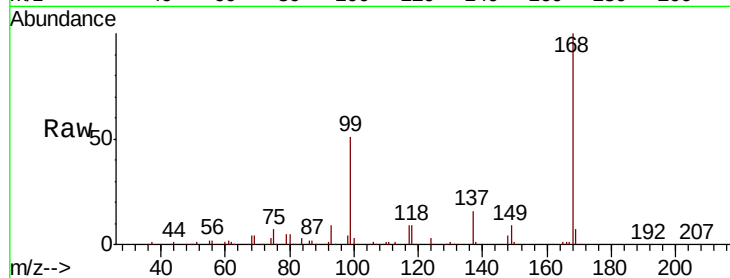
Tot Ion: 56 Resp: 11831

Ion Ratio Lower Upper

56 100

69 183.5 26.2 39.4#

84 141.7 67.4 101.0#



#33

1,2-Dichloroethane-d4

Concen: 52.11 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050533.D

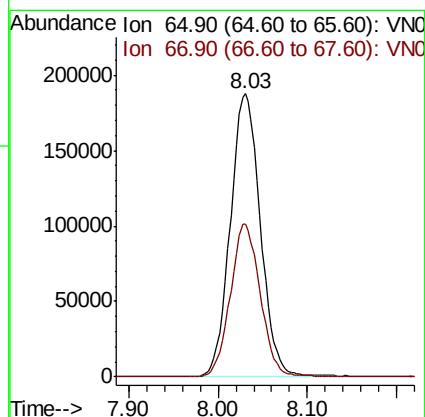
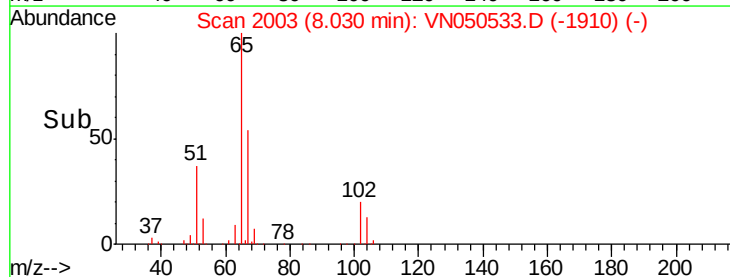
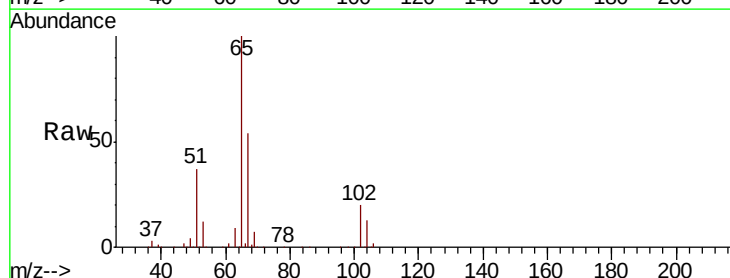
Acq: 10 Aug 2018 22:23

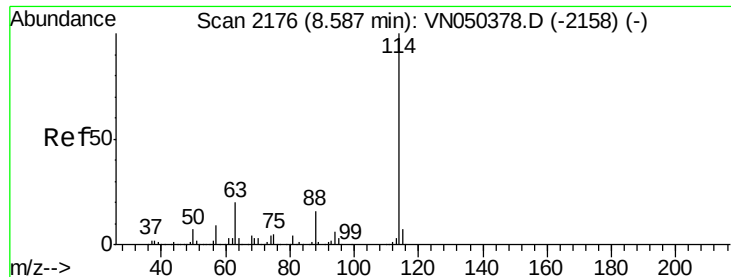
Tgt Ion: 65 Resp: 437493

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4

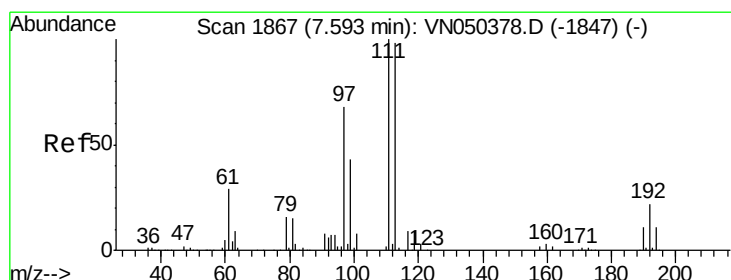
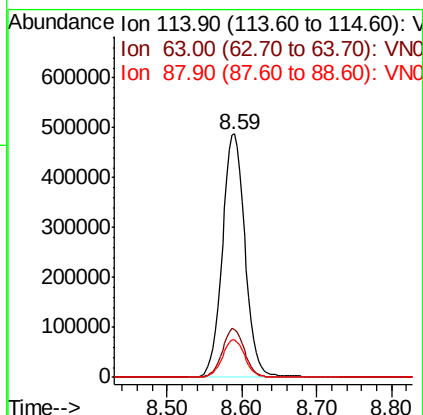
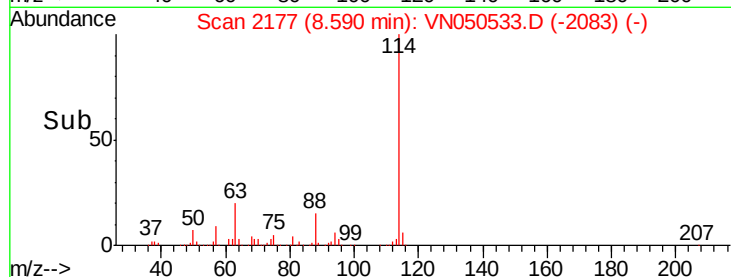
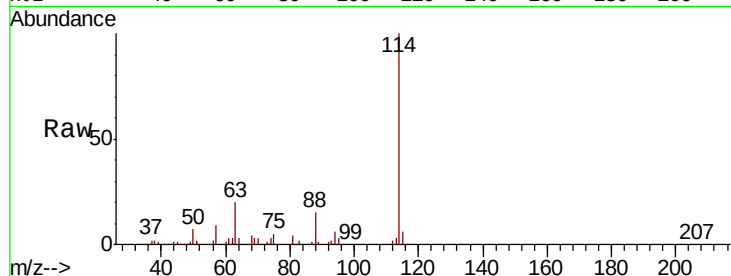




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050533.D
 Acq: 10 Aug 2018 22:23

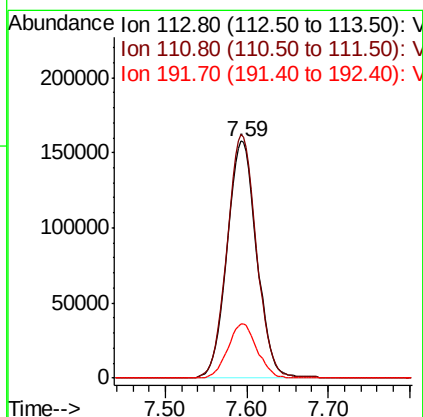
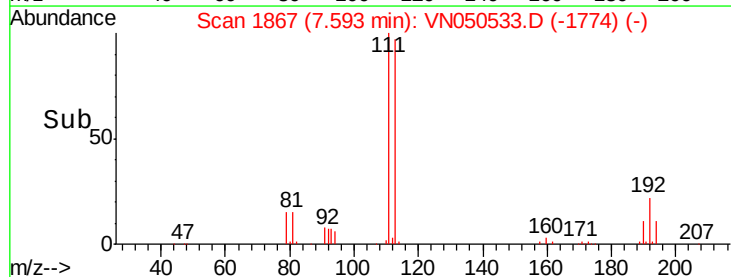
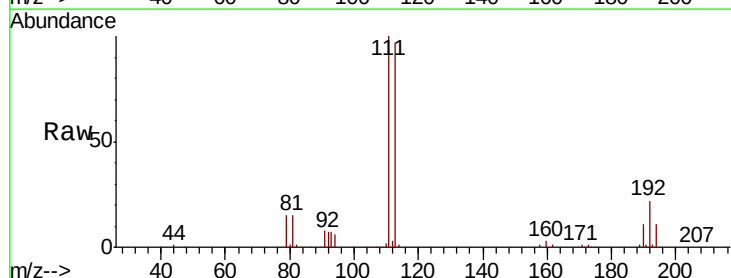
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL02

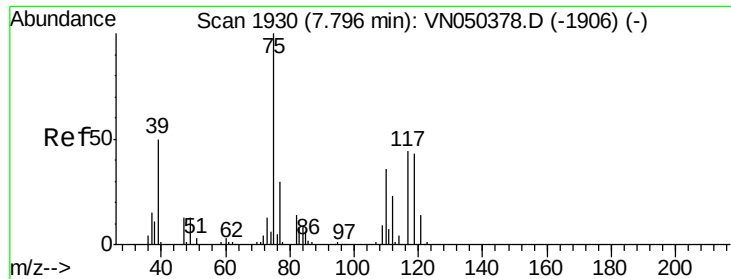
Tot Ion:114 Resp: 1021726
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 48.93 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050533.D
 Acq: 10 Aug 2018 22:23

Tgt Ion:113 Resp: 401147
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.7 121.1
 192 22.5 17.8 26.6





#36

1,1-Dichloropropene

Concen: 3.89 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

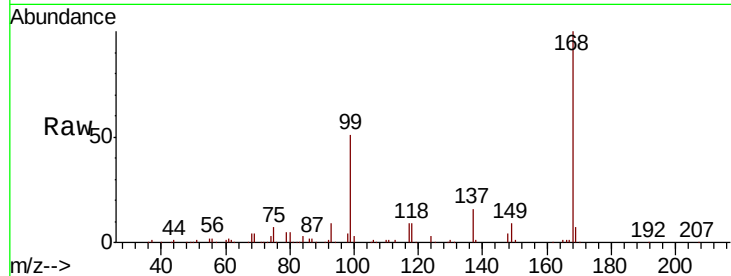
Tot Ion: 75 Resp: 43694

Ion Ratio Lower Upper

75 100

110 2.3 18.4 55.2#

77 0.0 25.3 37.9#

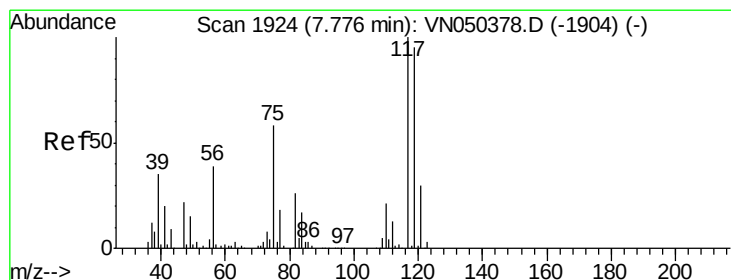
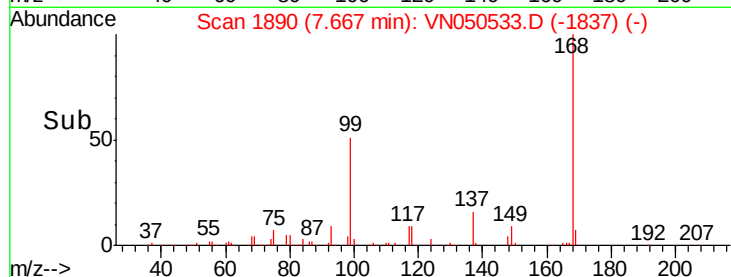
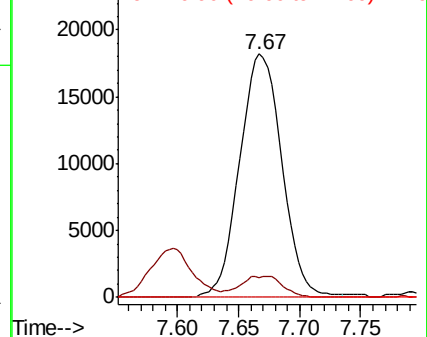


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 4.79 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

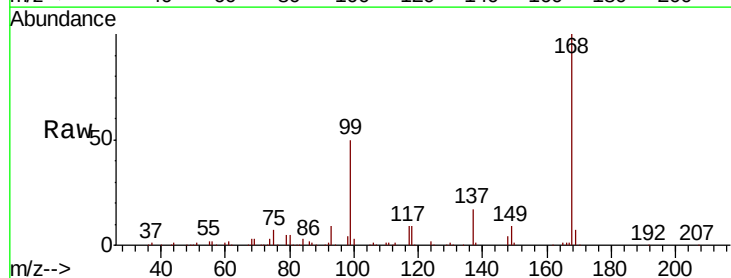
Tgt Ion: 117 Resp: 56093

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

121 0.0 23.9 35.9#

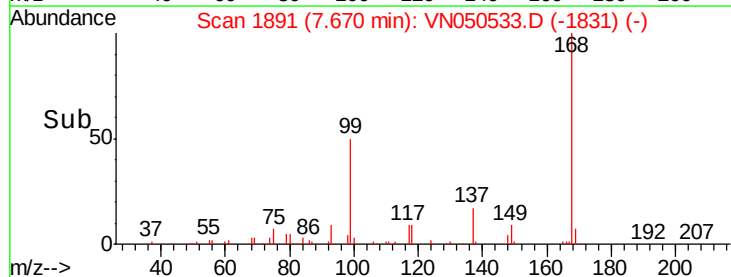
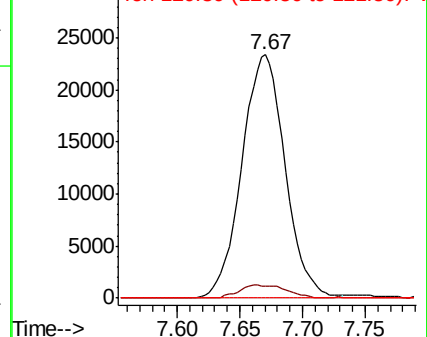


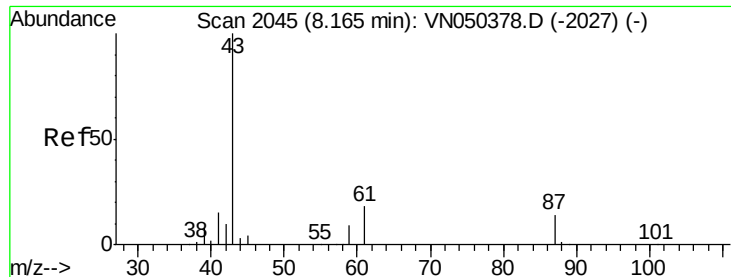
Abundance

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: 4.10 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.11 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

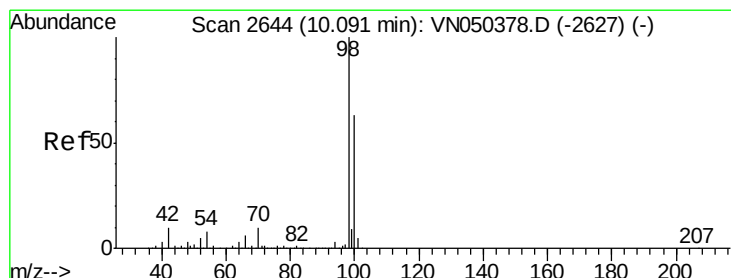
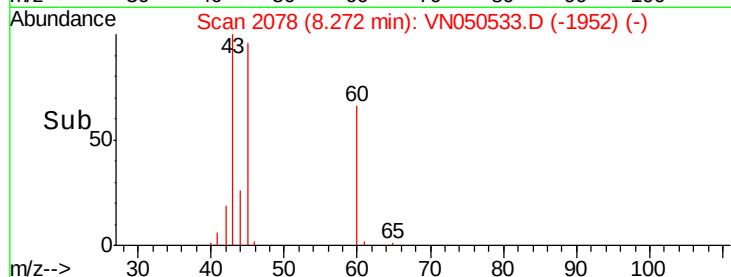
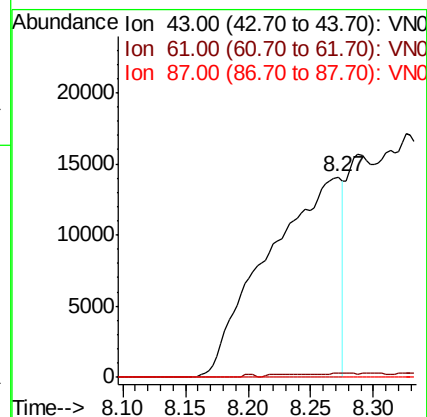
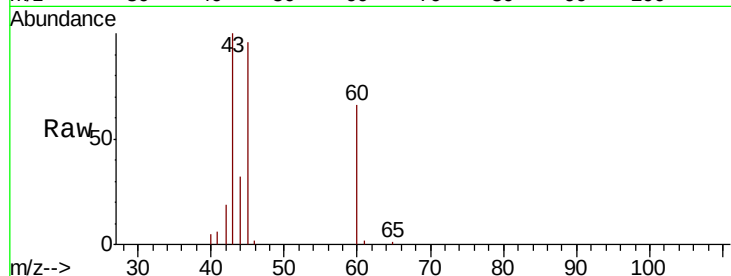
Tot Ion: 43 Resp: 57184

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.47 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050533.D

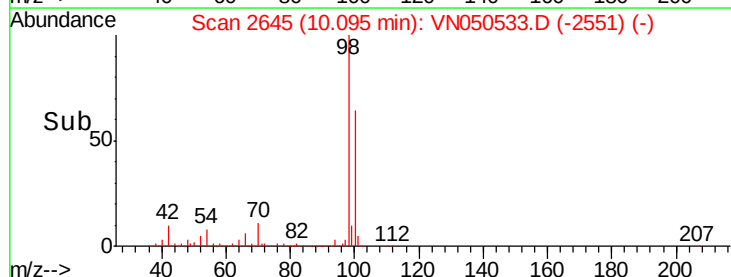
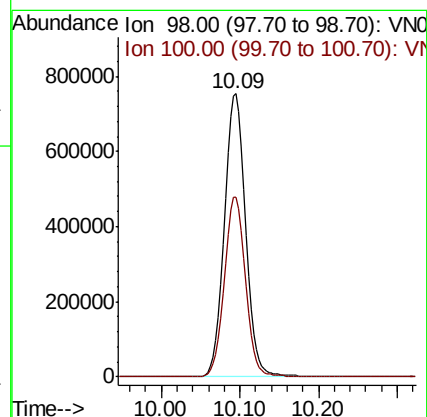
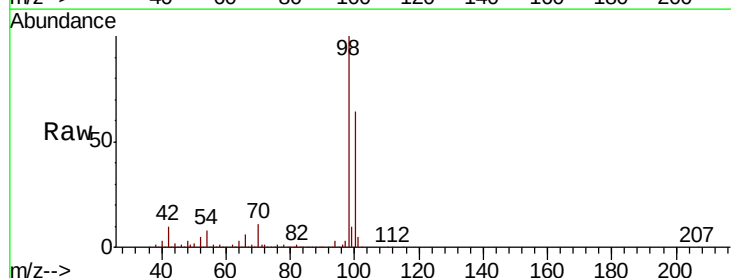
Acq: 10 Aug 2018 22:23

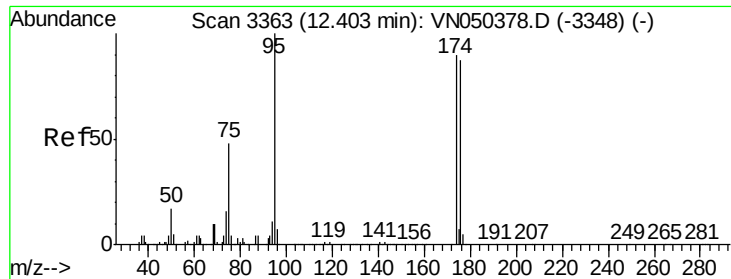
Tgt Ion: 98 Resp: 1401539

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 35.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

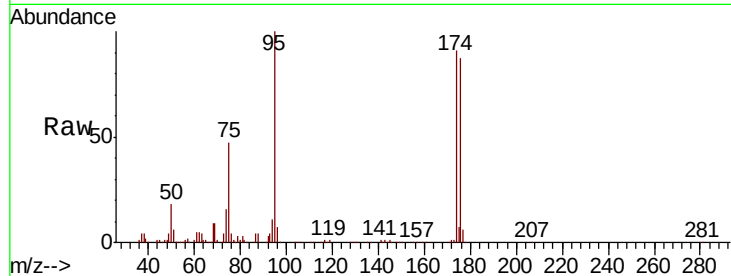
Tot Ion: 95 Resp: 373955

Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.2

176 87.7 0.0 173.4

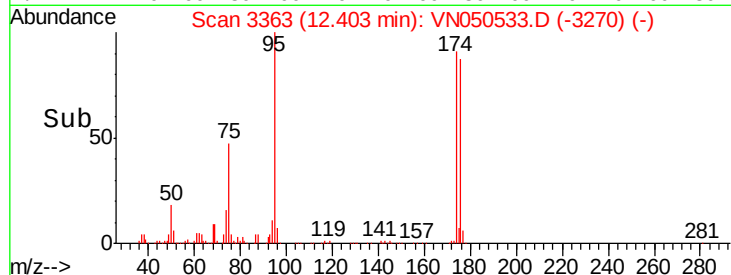


Abundance Ion 94.90 (94.60 to 95.60): VN050533.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050533.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050533.D (-3270) (-)

Time--> 12.30 12.40 12.50

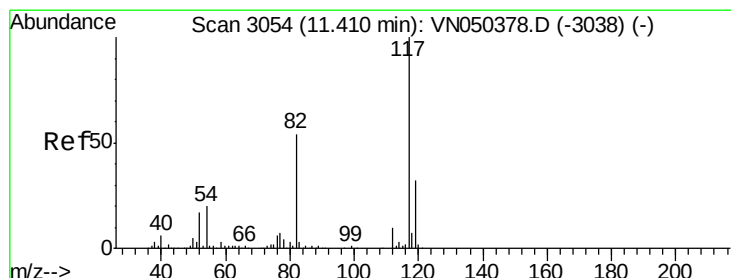


Abundance Ion 94.90 (94.60 to 95.60): VN050533.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050533.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050533.D (-3270) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

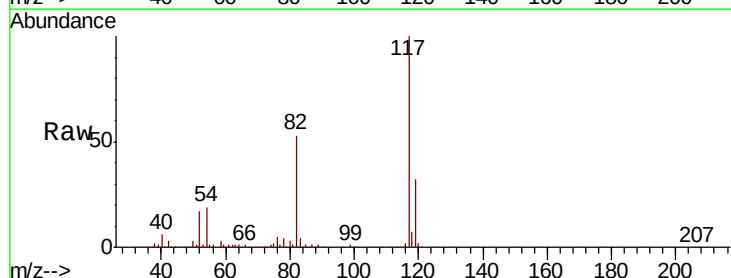
Tgt Ion: 117 Resp: 852323

Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

119 31.7 26.1 39.1

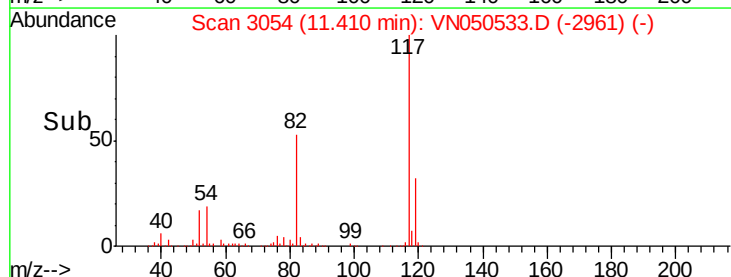


Abundance Ion 116.90 (116.60 to 117.60): VN050533.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050533.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050533.D (-2961) (-)

Time--> 11.30 11.40 11.50

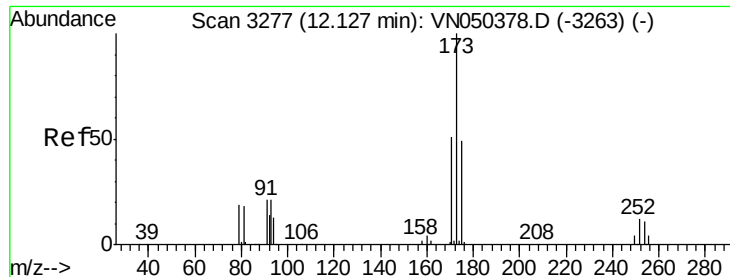


Abundance Ion 116.90 (116.60 to 117.60): VN050533.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050533.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050533.D (-2961) (-)

Time--> 11.30 11.40 11.50



#71

Bromoform

Concen: 0.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

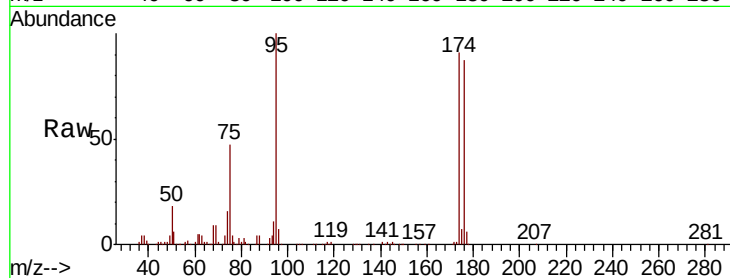
Tot Ion:173 Resp: 3269

Ion Ratio Lower Upper

173 100

175 646.5 24.1 72.2#

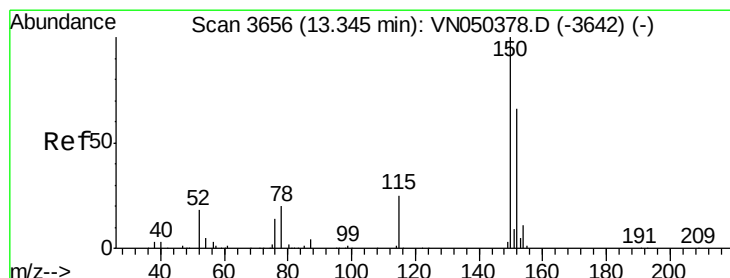
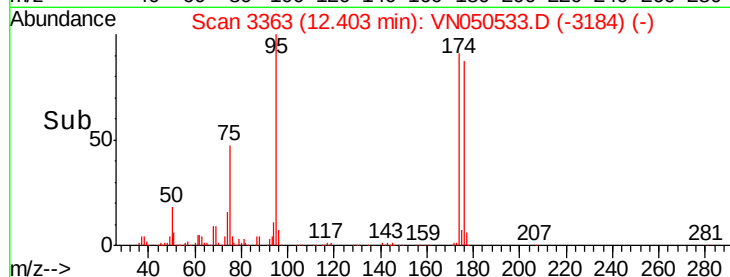
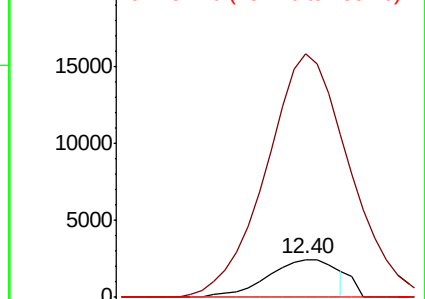
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

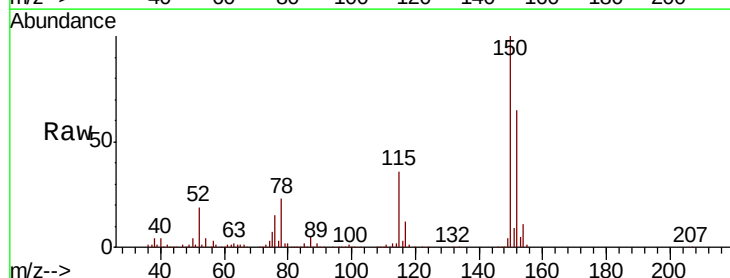
Tgt Ion:152 Resp: 312470

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

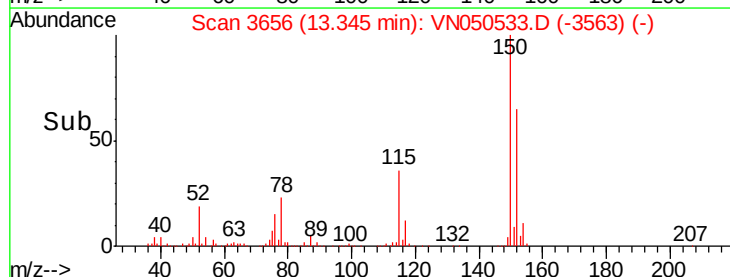
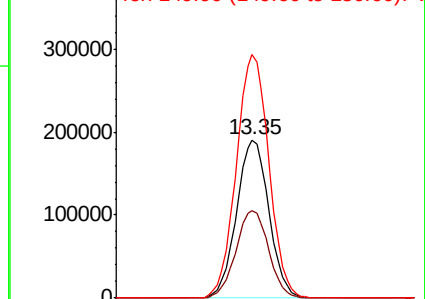
150 155.5 0.0 348.6

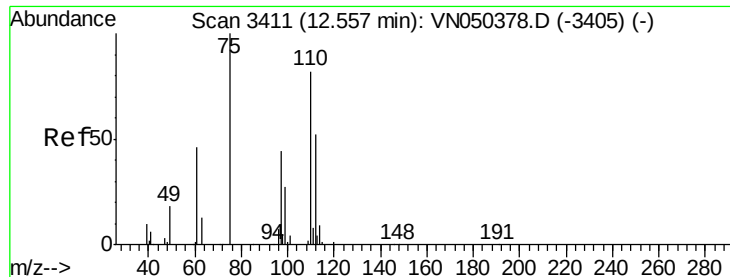


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

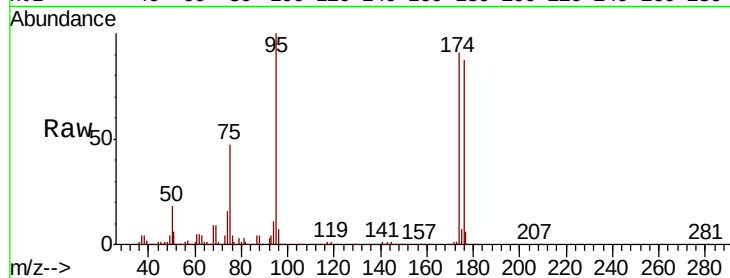
VN0810WBL02

Tot Ion: 75 Resp: 179439

Ion Ratio Lower Upper

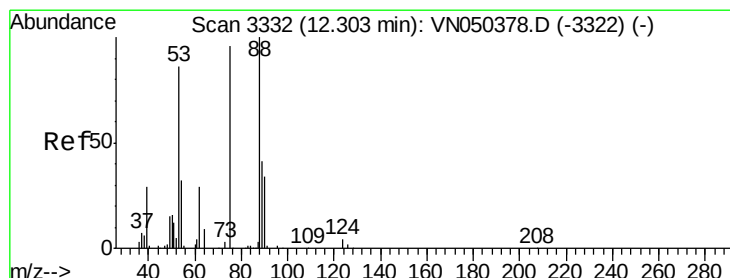
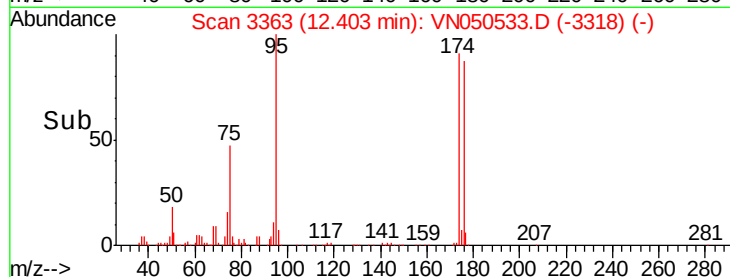
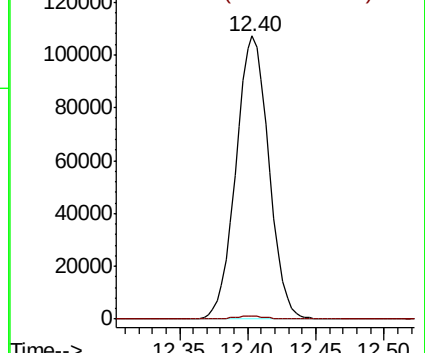
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 111.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

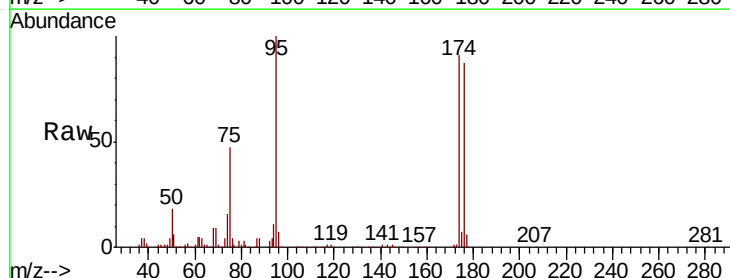
Tgt Ion: 75 Resp: 179439

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

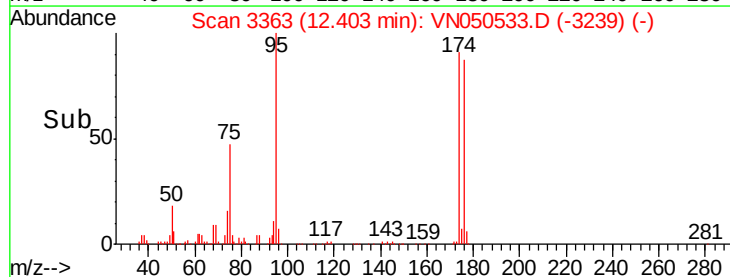
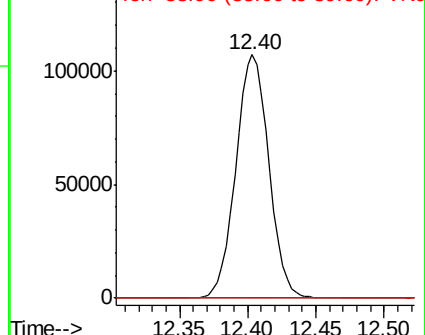
89 0.0 36.0 54.0#

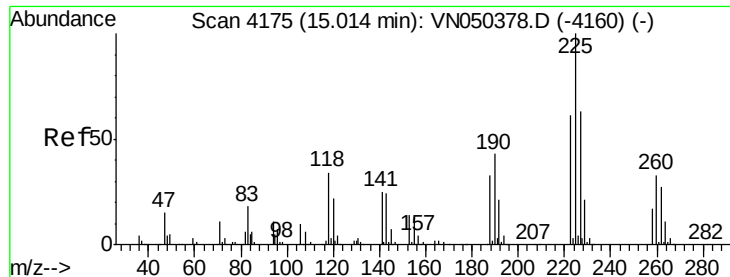


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL02

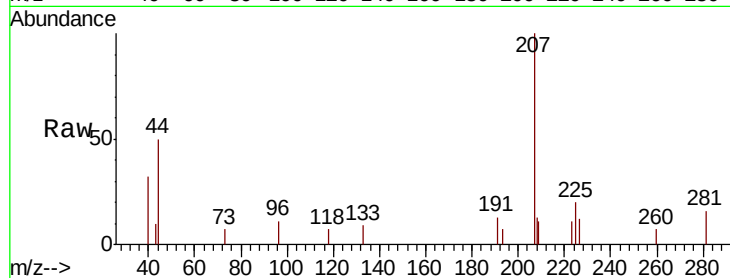
Tot Ion:225 Resp: 523

Ion Ratio Lower Upper

225 100

223 69.8 31.4 94.2

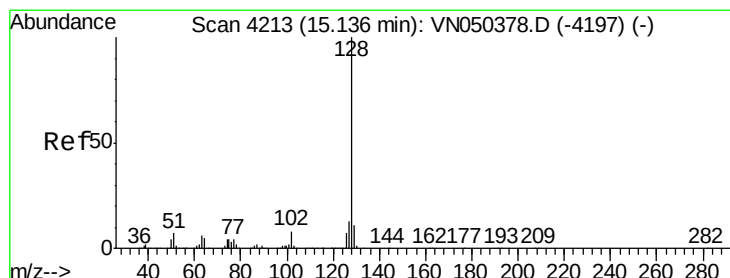
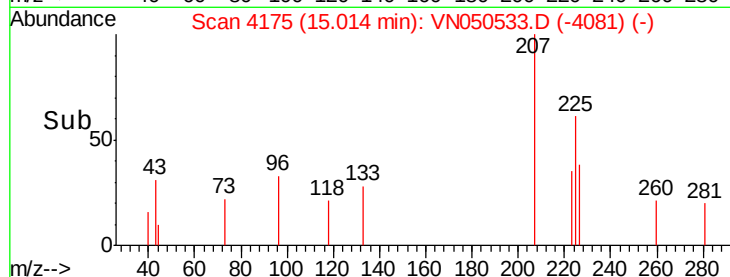
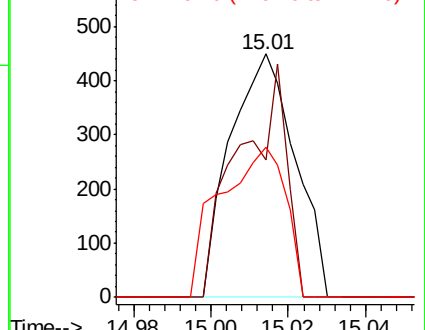
227 62.7 32.1 96.5



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: 3.78 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050533.D

Acq: 10 Aug 2018 22:23

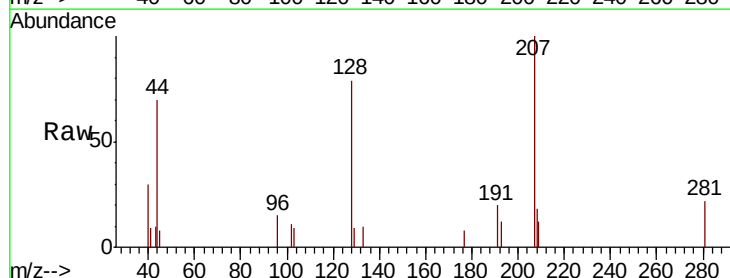
Tgt Ion:128 Resp: 2597

Ion Ratio Lower Upper

128 100

127 4.5 10.4 15.6#

129 3.8 8.8 13.2#



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

