

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049941.D
 Acq On : 20 Jul 2018 2:48
 Operator : MD\SY
 Sample : J4035-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-2

Quant Time: Jul 20 05:26:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

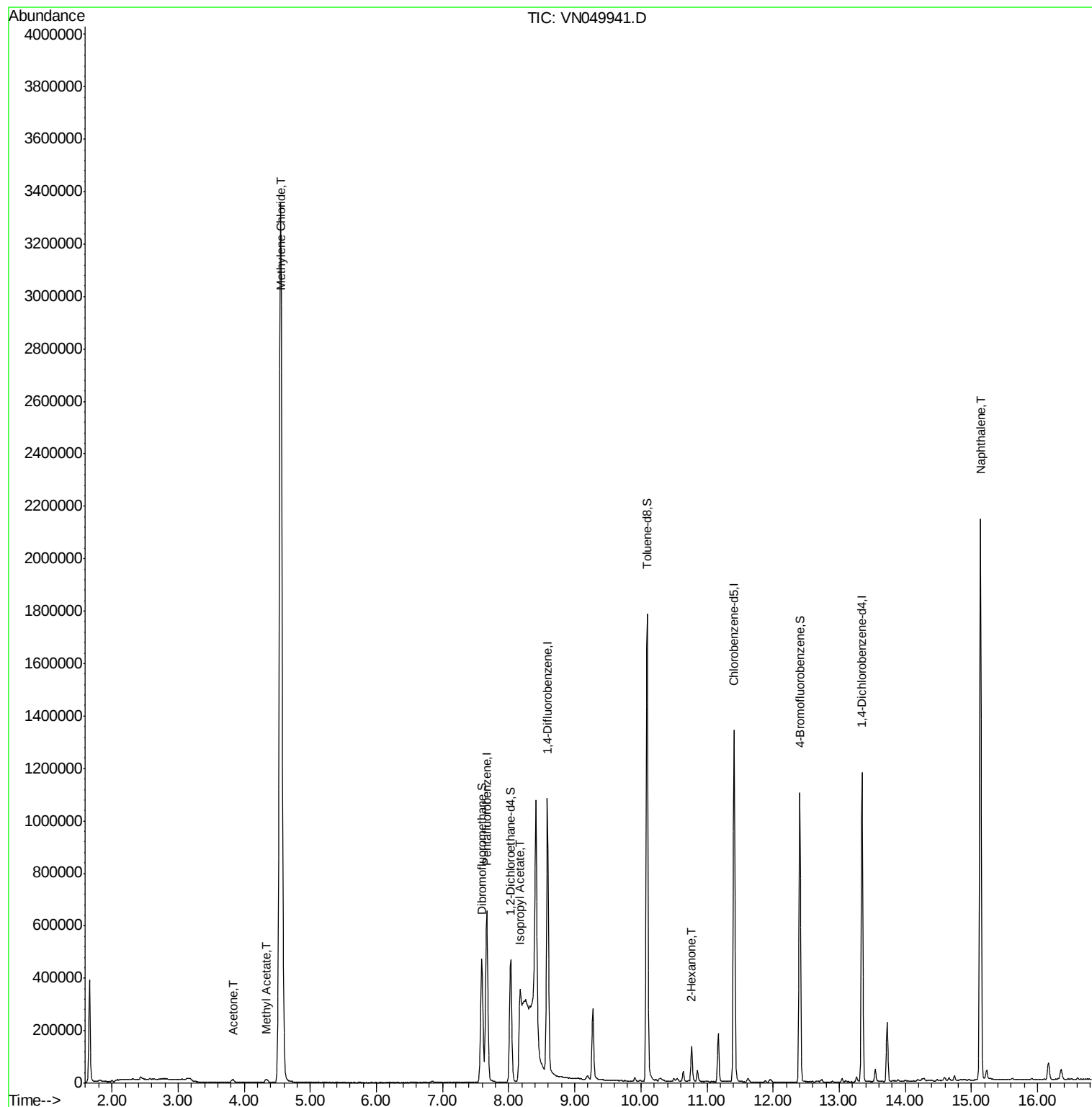
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	555458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326325	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	402895	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	360000	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	10.09	98	1282334	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
62) 4-Bromofluorobenzene	12.40	95	365852	36.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.12%	
Target Compounds						
16) Acetone	3.83	43	22221	11.24	ug/l	96
18) Methyl Acetate	4.34	43	26879	3.56	ug/l	96
20) Methylene Chloride	4.55	84	2560832	340.67	ug/l	99
43) Isopropyl Acetate	8.17	43	396889	30.89	ug/l #	86
59) 2-Hexanone	10.77	43	19070	3.95	ug/l #	56
95) Naphthalene	15.14	128	1800349	110.51	ug/l	100

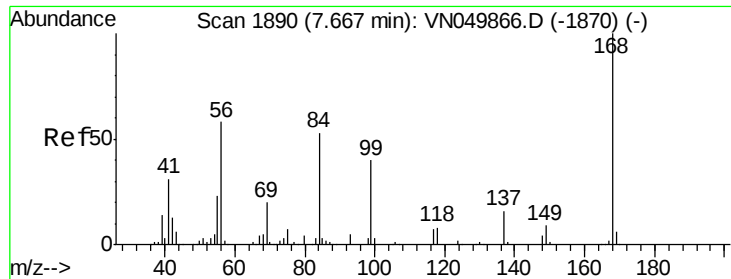
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

Instrument :

MSVOA_N

ClientSampled :

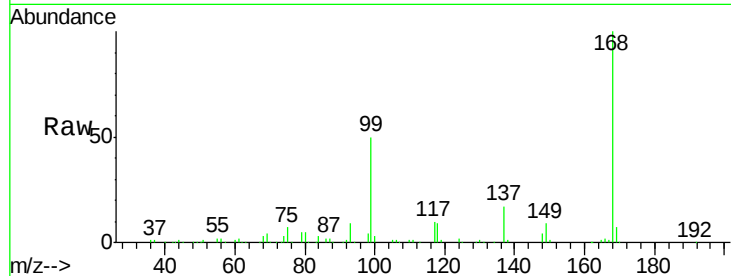
MH-2

Tot Ion:168 Resp: 555458

Ion Ratio Lower Upper

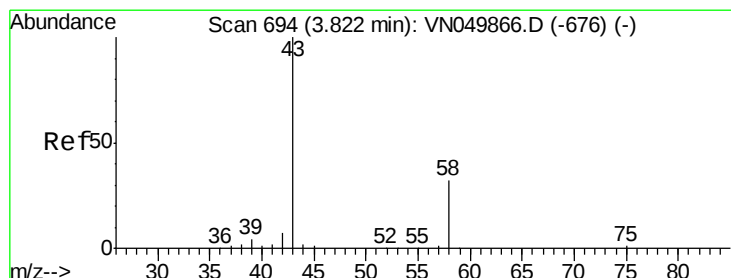
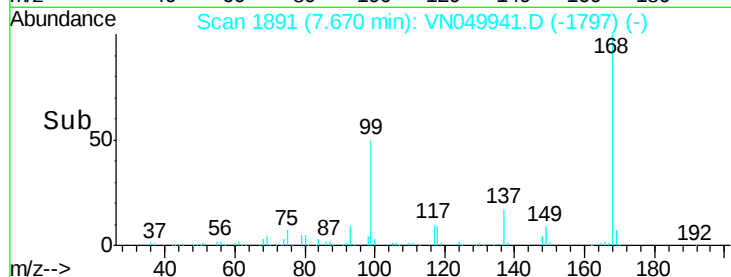
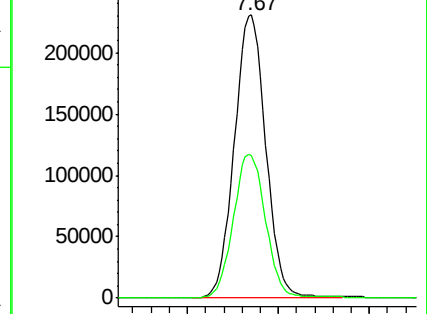
168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 11.24 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049941.D

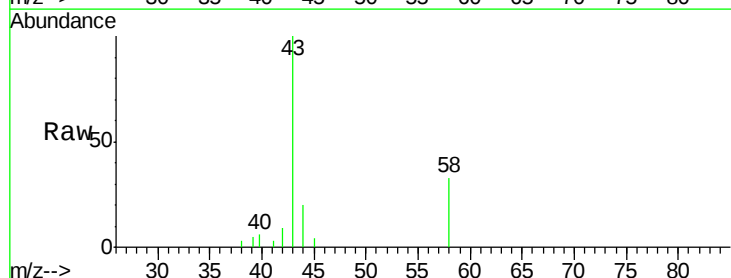
Acq: 20 Jul 2018 2:48

Tgt Ion: 43 Resp: 22221

Ion Ratio Lower Upper

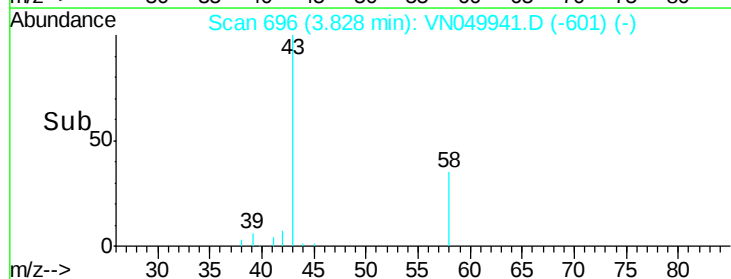
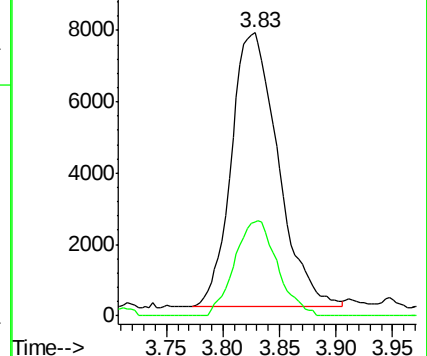
43 100

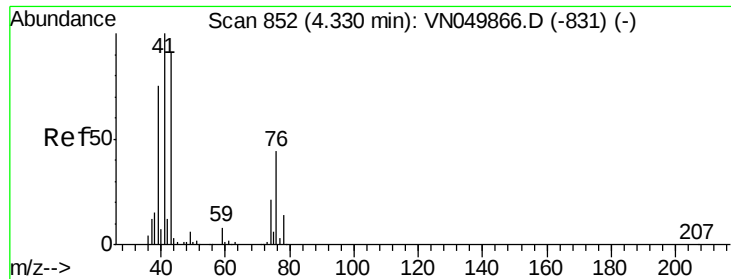
58 34.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

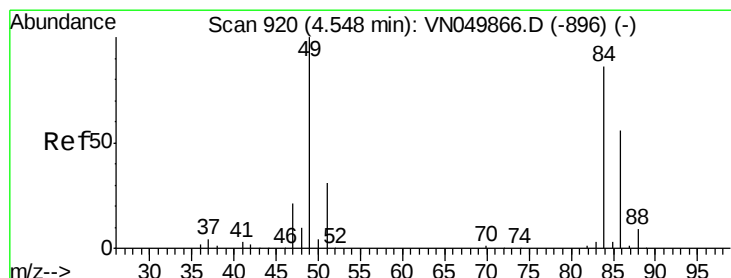
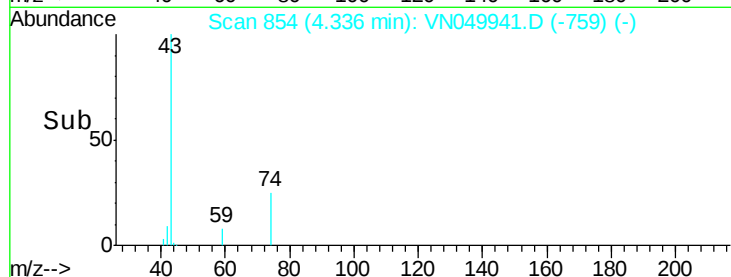
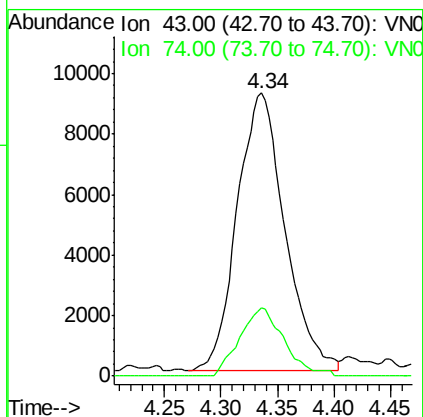
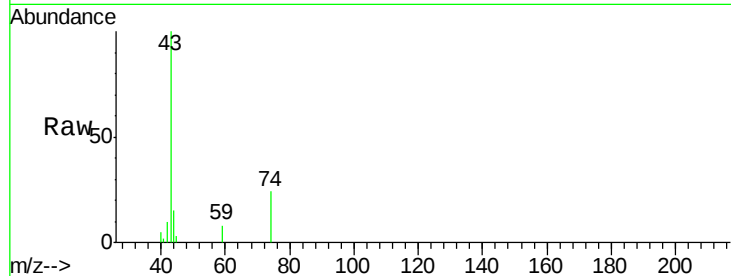




#18
Methvl Acetate
Concen: 3.56 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049941.D
Acq: 20 Jul 2018 2:48

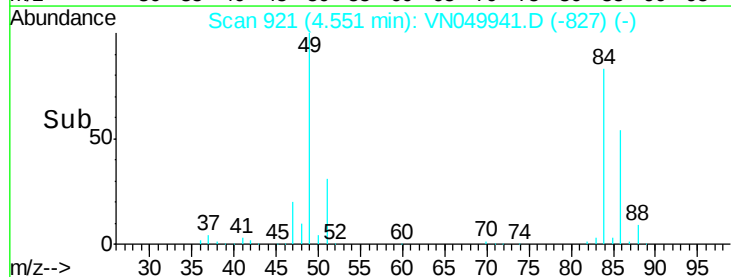
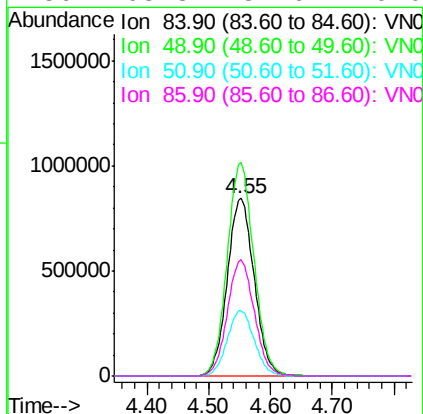
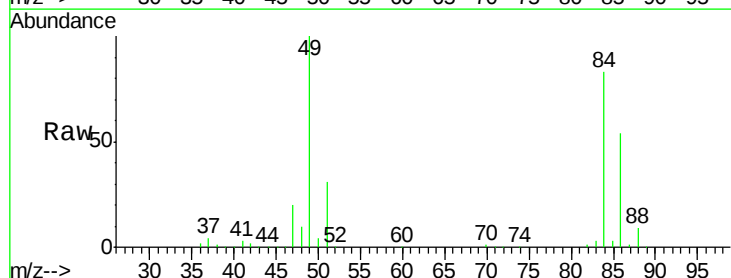
Instrument :
MSVOA_N
ClientSampled :
MH-2

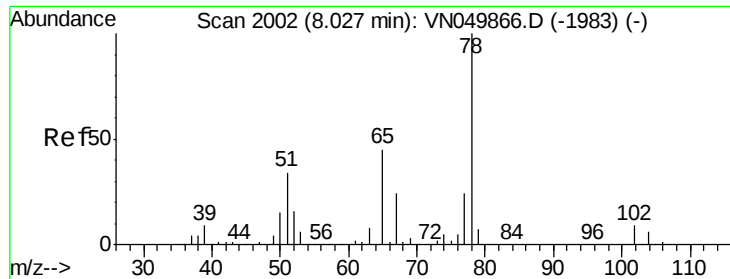
Tot Ion: 43 Resp: 26879
Ion Ratio Lower Upper
43 100
74 22.8 19.8 29.8



#20
Methylene Chloride
Concen: 340.67 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049941.D
Acq: 20 Jul 2018 2:48

Tgt Ion: 84 Resp: 2560832
Ion Ratio Lower Upper
84 100
49 120.2 95.4 143.2
51 36.8 28.4 42.6
86 65.3 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 52.77 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

Instrument :

MSVOA_N

ClientSampleId :

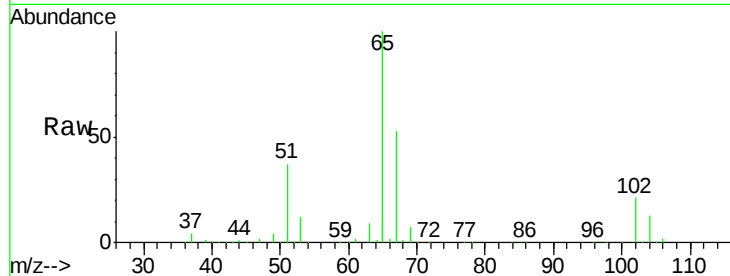
MH-2

Tot Ion: 65 Resp: 402895

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049866.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1983) (-)

8.03

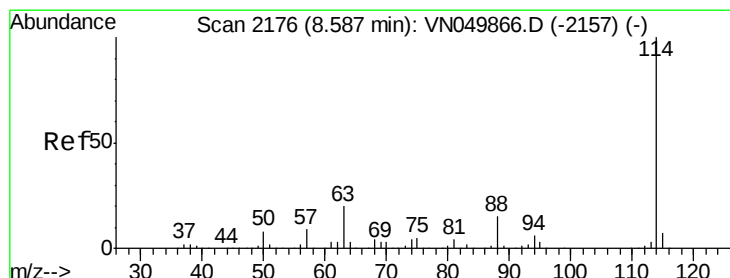
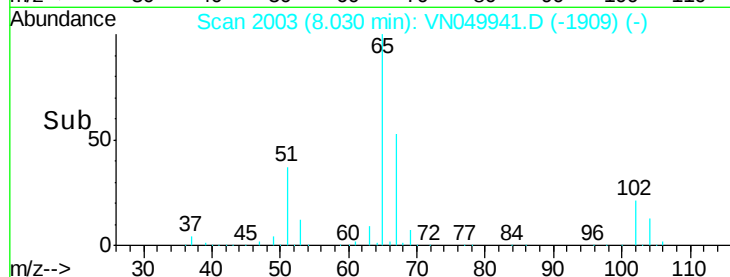
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

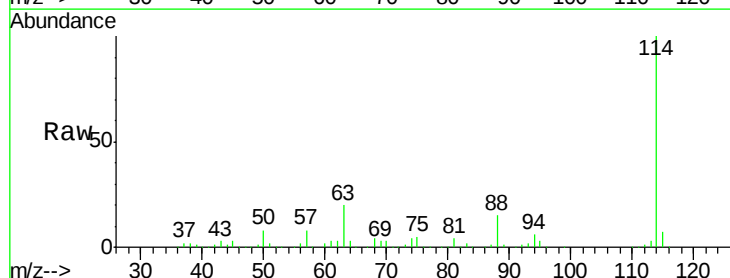
Tgt Ion: 114 Resp: 963162

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049866.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049866.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049866.D (-2157) (-)

8.59

600000

500000

400000

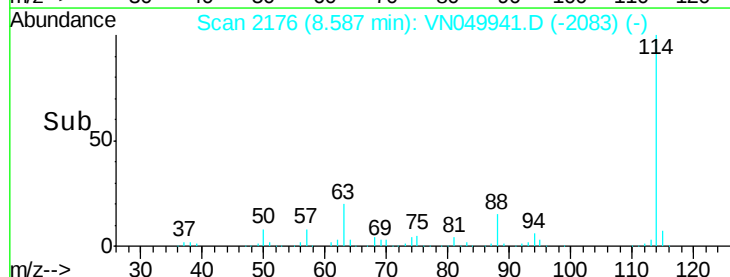
300000

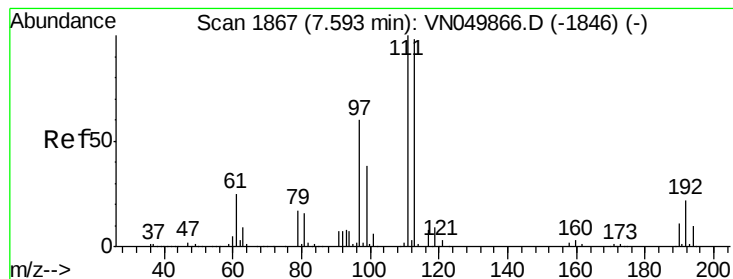
200000

100000

0

Time--> 8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 44.52 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

Instrument :

MSVOA_N

ClientSampleId :

MH-2

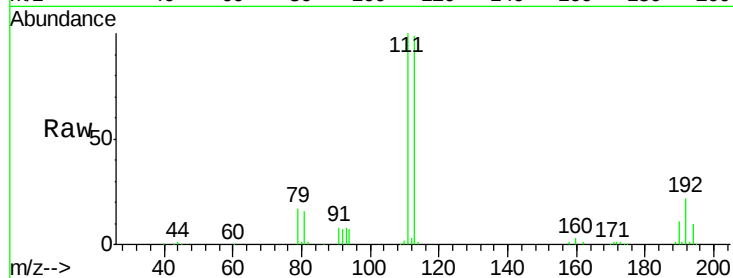
Tot Ion:113 Resp: 360000

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

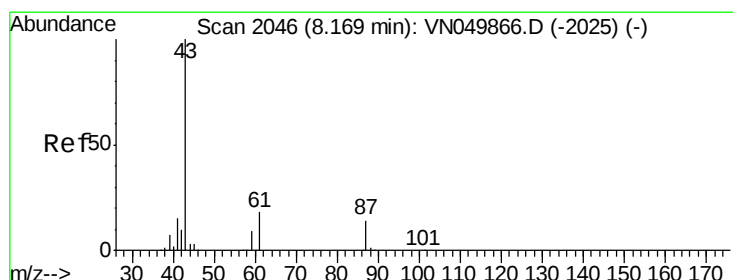
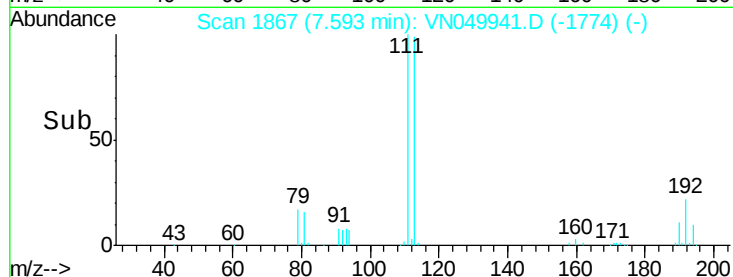
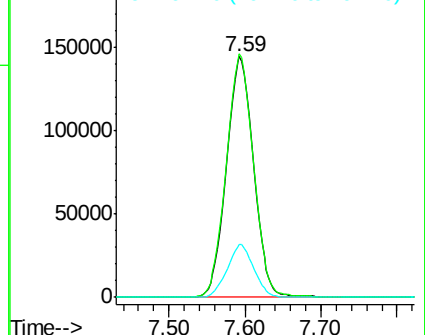
192 21.5 17.8 26.6



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



#43

Isopropyl Acetate

Concen: 30.89 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

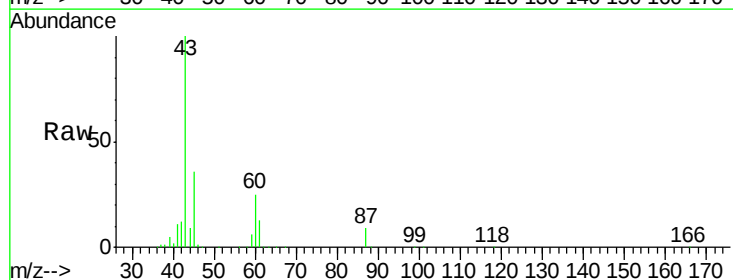
Tgt Ion: 43 Resp: 396889

Ion Ratio Lower Upper

43 100

61 11.9 14.9 22.3#

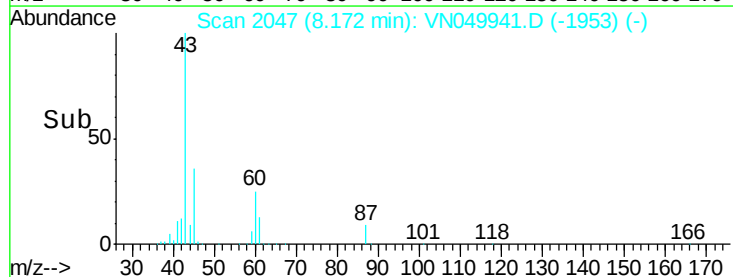
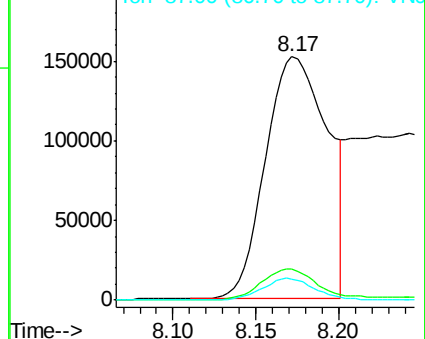
87 7.5 10.0 15.0#

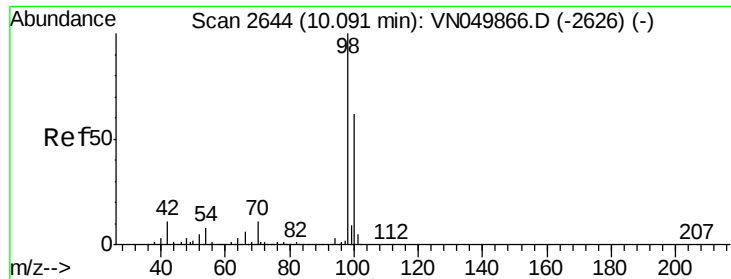


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

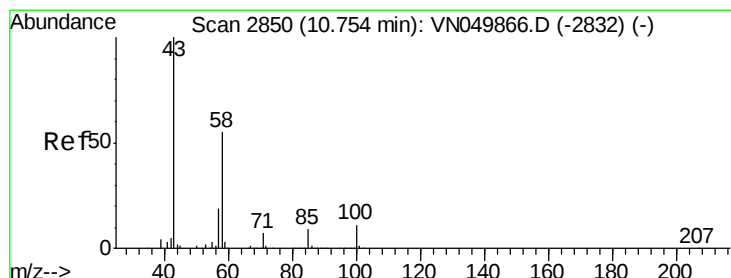
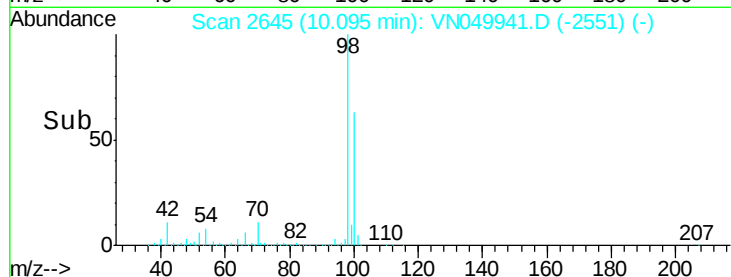
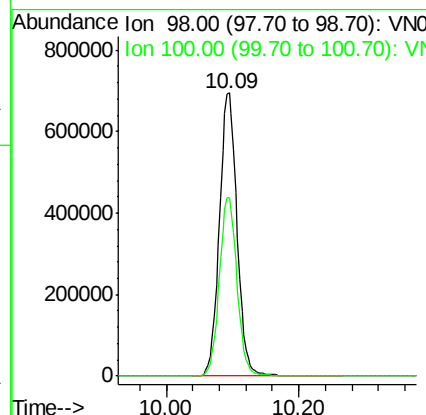
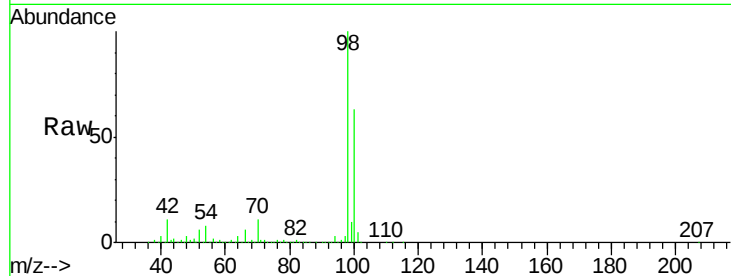




#50
Toluene-d8
Concen: 43.53 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049941.D
Acq: 20 Jul 2018 2:48

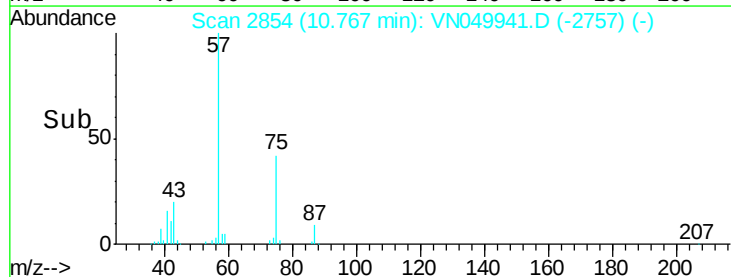
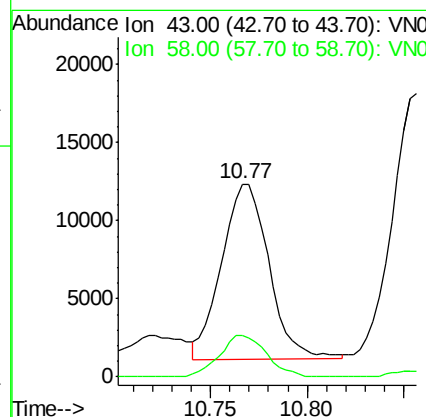
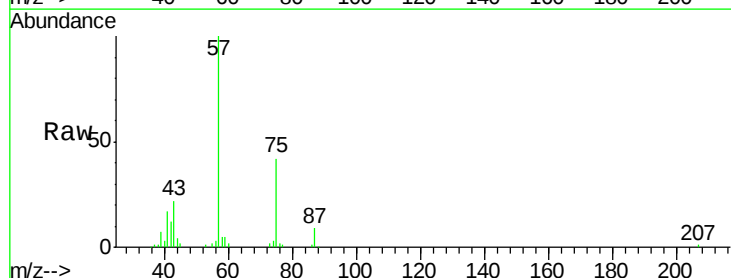
Instrument :
MSVOA_N
ClientSampled :
MH-2

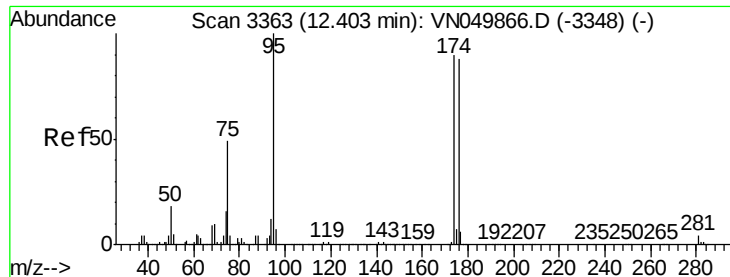
Tot Ion: 98 Resp: 1282334
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#59
2-Hexanone
Concen: 3.95 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN049941.D
Acq: 20 Jul 2018 2:48

Tgt Ion: 43 Resp: 19070
Ion Ratio Lower Upper
43 100
58 23.5 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 36.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

Instrument :

MSVOA_N

ClientSampleId :

MH-2

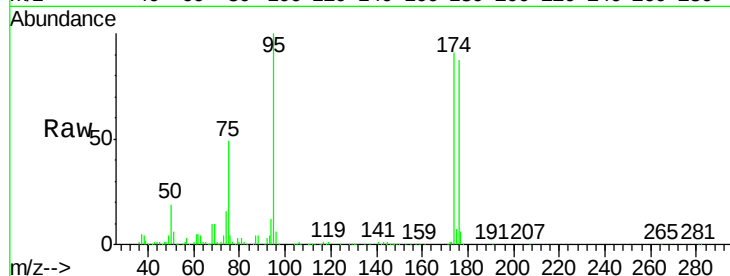
Tot Ion: 95 Resp: 365852

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

176 87.3 0.0 174.0

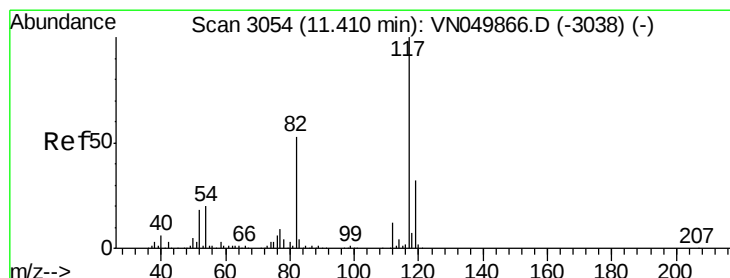
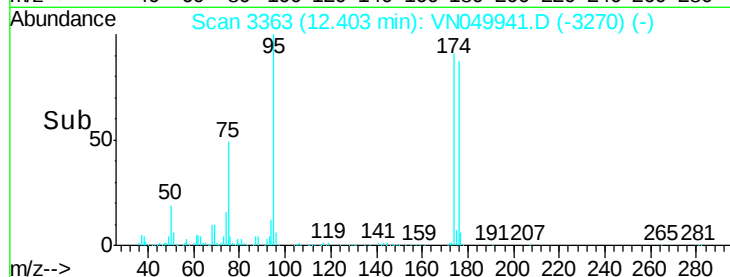


Abundance Ion 94.90 (94.60 to 95.60): VN049866.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049866.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049866.D (-3348) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

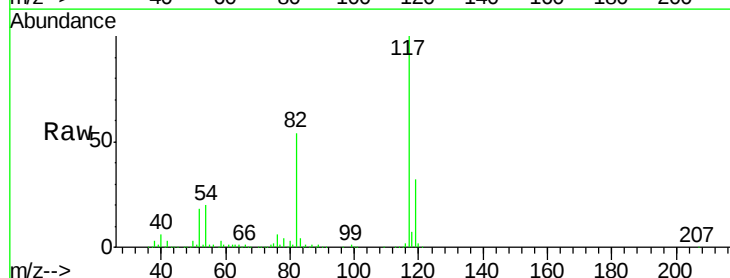
Tgt Ion: 117 Resp: 810074

Ion Ratio Lower Upper

117 100

82 54.0 41.9 62.9

119 32.4 25.4 38.2

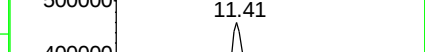
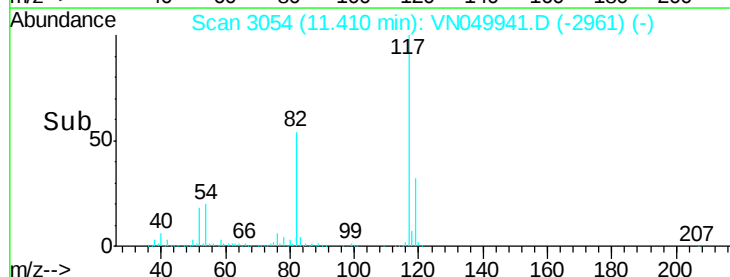


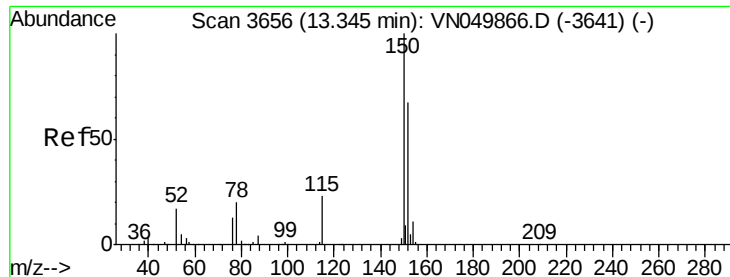
Abundance Ion 116.90 (116.60 to 117.60): VN049866.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049866.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049866.D (-3038) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

Instrument :

MSVOA_N

ClientSampleId :

MH-2

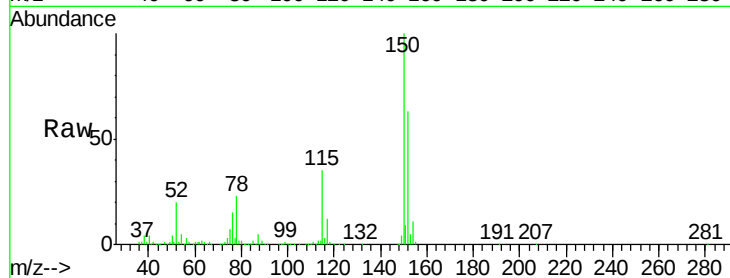
Tot Ion:152 Resp: 326325

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

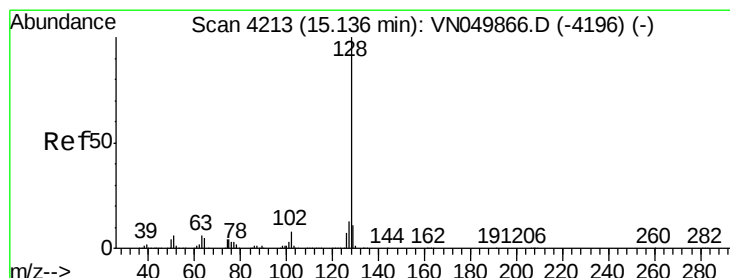
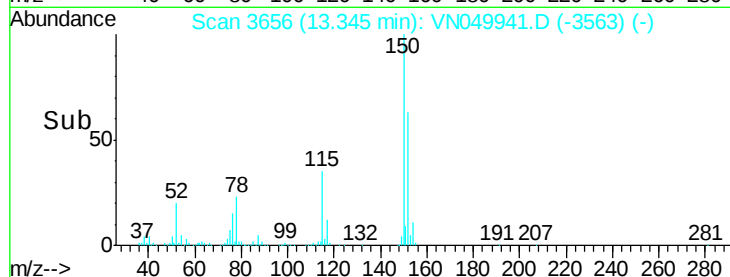
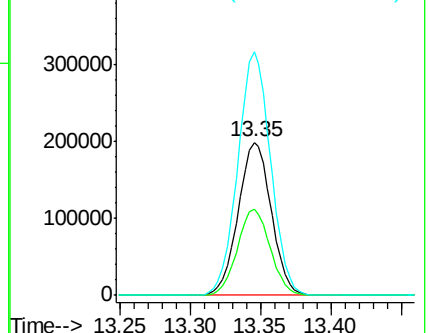
150 158.2 0.0 347.6



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



#95

Naphthalene

Concen: 110.51 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049941.D

Acq: 20 Jul 2018 2:48

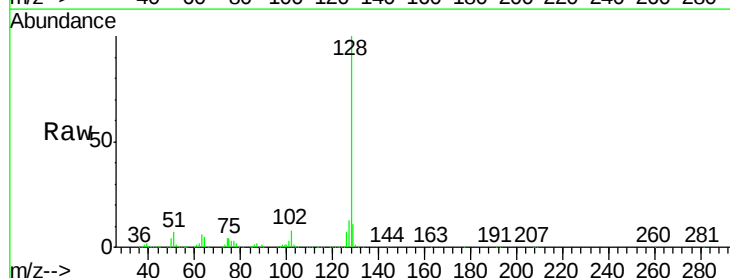
Tgt Ion:128 Resp: 1800349

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.8 8.6 13.0



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

