

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053065.D
 Acq On : 20 Dec 2018 19:01
 Operator : MD\SY
 Sample : J6482-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 R20-OS

Quant Time: Dec 21 02:26:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

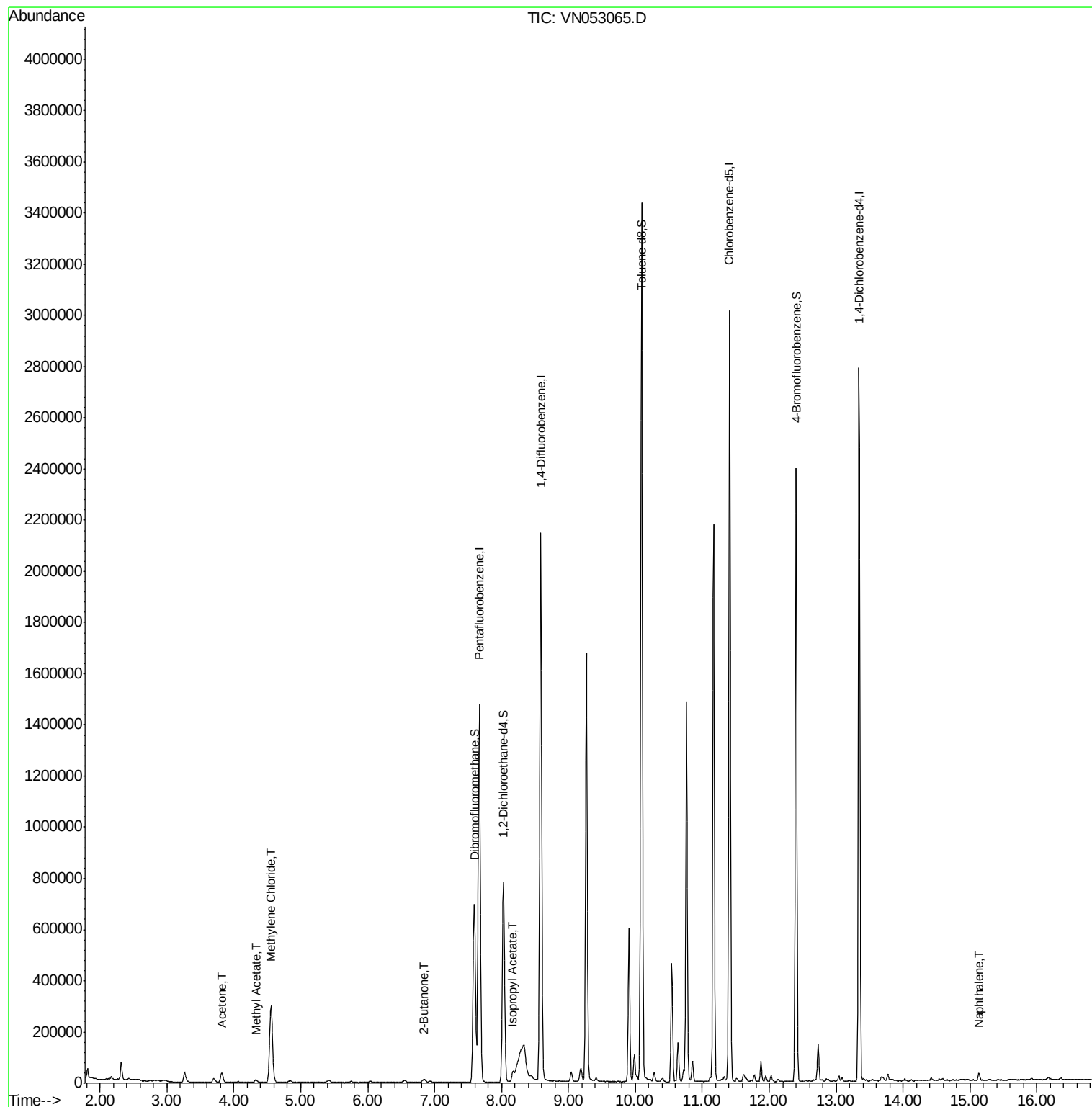
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1308252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2027139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1824444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	804074	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	649300	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
35) Dibromofluoromethane	7.59	113	549867	59.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.76%	
50) Toluene-d8	10.09	98	2466086	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	850778	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
Target Compounds						
16) Acetone	3.82	43	67422	25.901	ug/l	98
18) Methyl Acetate	4.33	43	21895	2.808	ug/l	100
20) Methylene Chloride	4.55	84	235695	16.599	ug/l	98
25) 2-Butanone	6.84	43	22557	5.163	ug/l #	88
43) Isopropyl Acetate	8.17	43	52346	1.477	ug/l #	81
95) Naphthalene	15.13	128	26200	1.956	ug/l	98

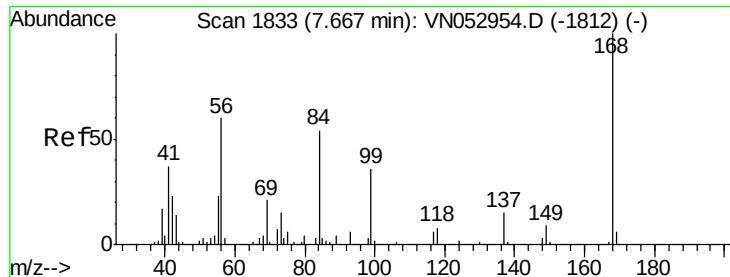
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN053065.D
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MSVOA_N
ClientSampleId :
R20-OS

Quant Time: Dec 21 02:26:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

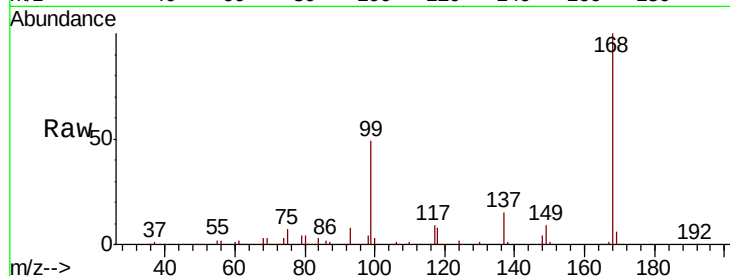
R20-OS

Tot Ion:168 Resp: 1308252

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

600000

500000

400000

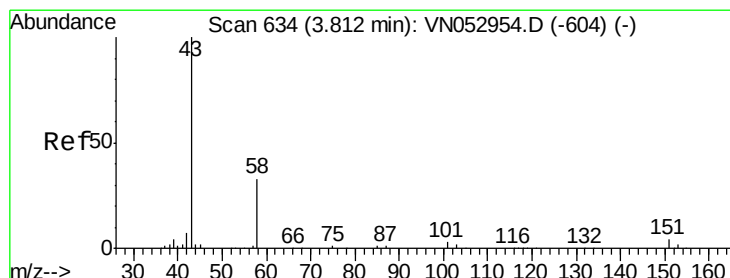
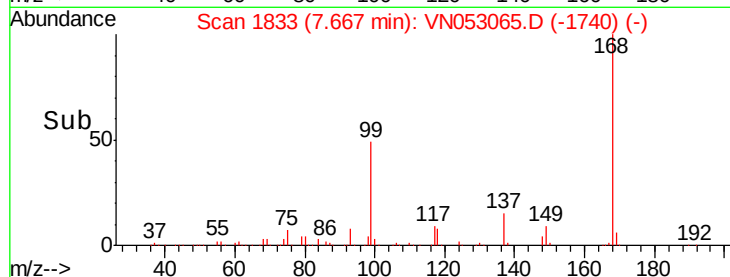
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 25.901 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053065.D

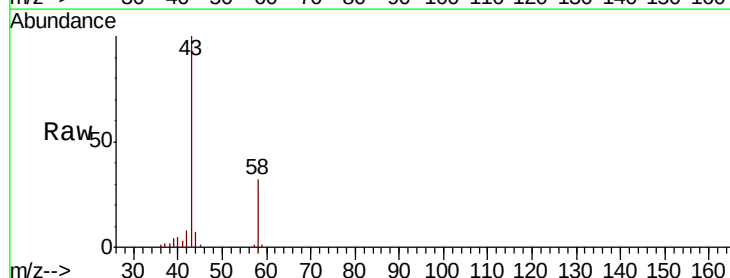
Acq: 20 Dec 2018 19:01

Tgt Ion: 43 Resp: 67422

Ion Ratio Lower Upper

43 100

58 30.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

3.82

25000

20000

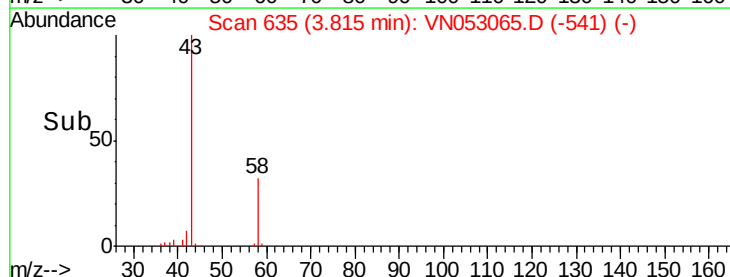
15000

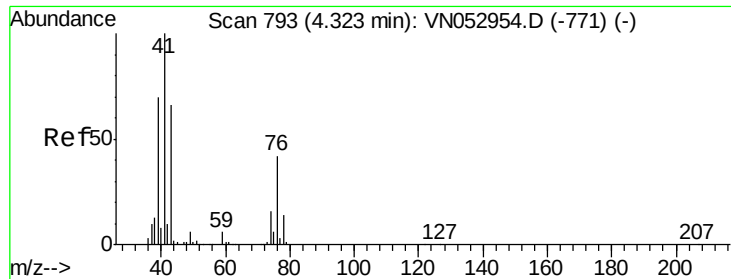
10000

5000

0

Time-->

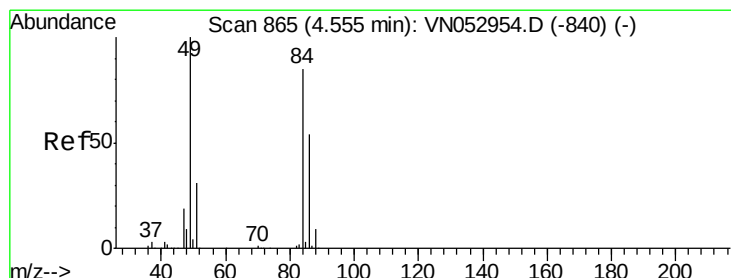
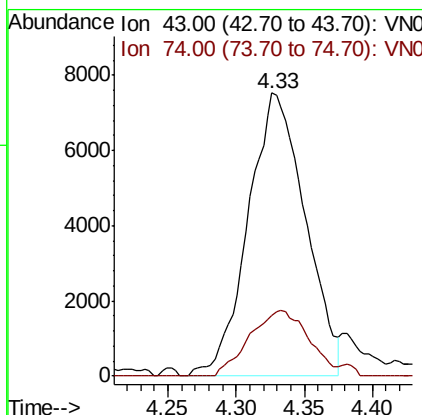
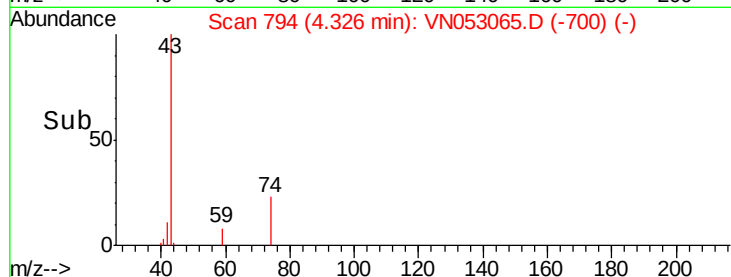
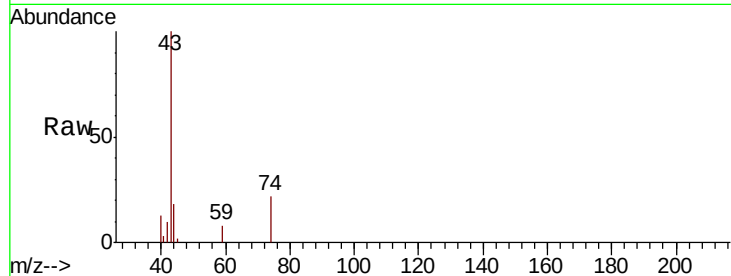




#18
Methyl Acetate
Concen: 2.808 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053065.D
Acq: 20 Dec 2018 19:01

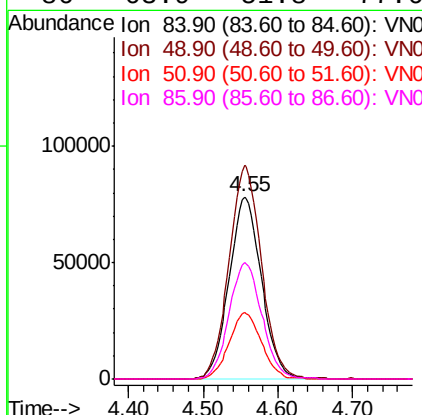
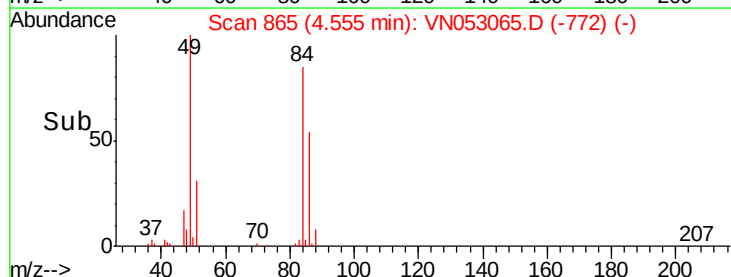
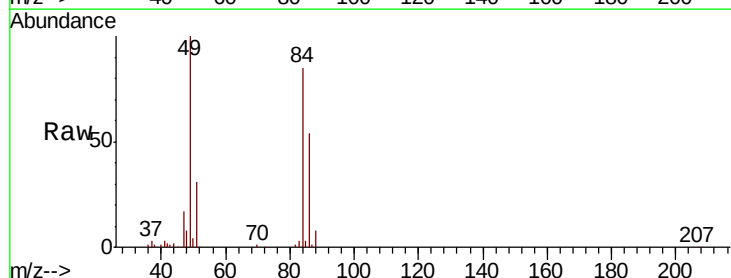
Instrument :
MSVOA_N
ClientSampled :
R20-OS

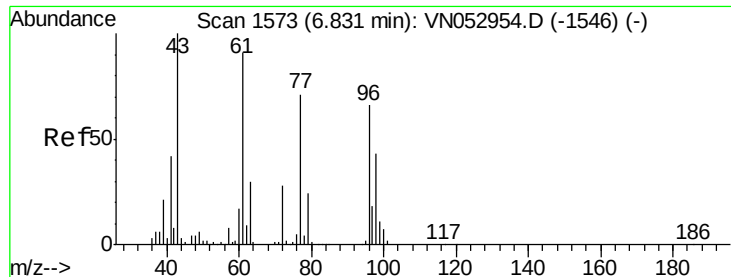
Tot Ion: 43 Resp: 21895
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#20
Methylene Chloride
Concen: 16.599 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053065.D
Acq: 20 Dec 2018 19:01

Tgt Ion: 84 Resp: 235695
Ion Ratio Lower Upper
84 100
49 117.4 96.8 145.2
51 36.5 29.9 44.9
86 63.9 51.8 77.6





#25

2-Butanone

Concen: 5.163 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

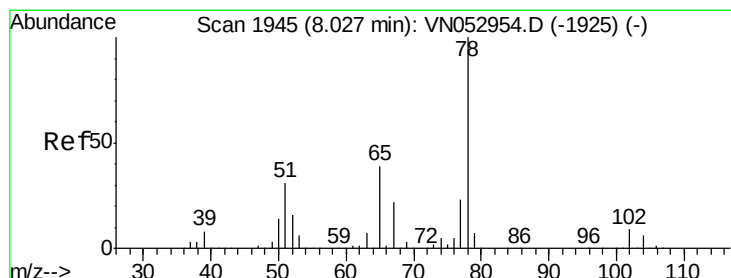
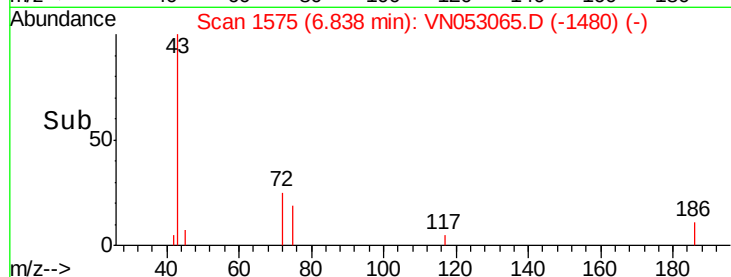
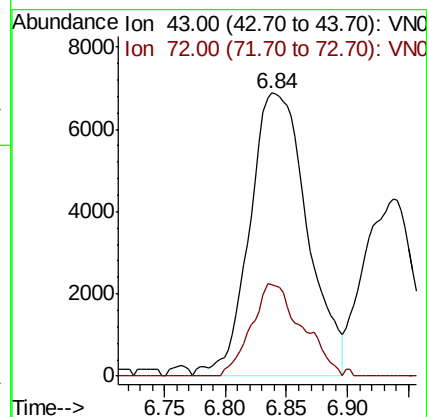
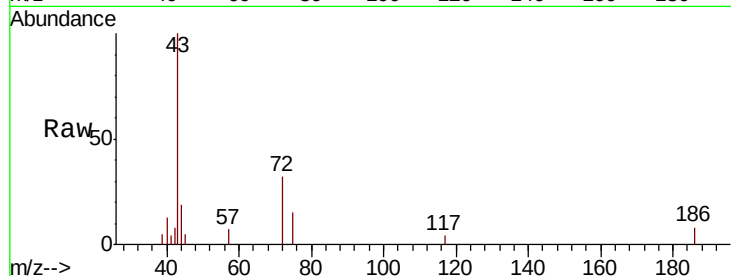
Instrument :
MSVOA_N
ClientSampleId :
R20-OS

Tot Ion: 43 Resp: 22557

Ion Ratio Lower Upper

43 100

72 32.4 21.0 31.6#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053065.D

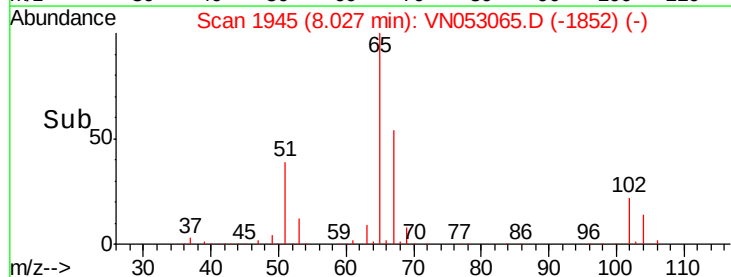
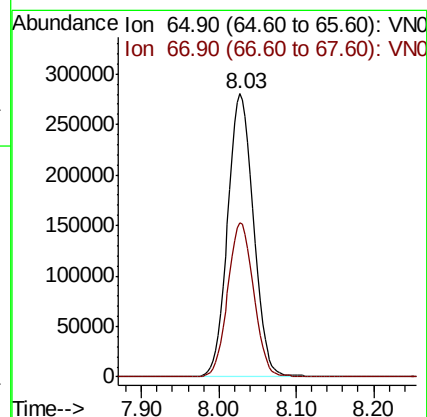
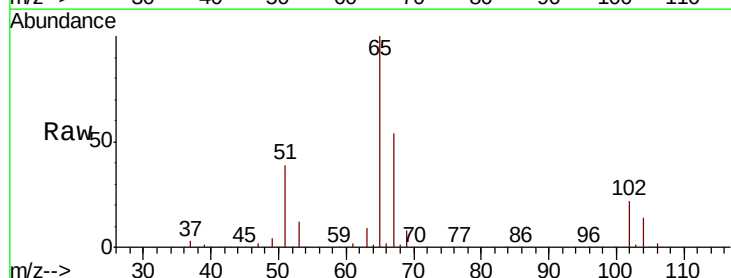
Acq: 20 Dec 2018 19:01

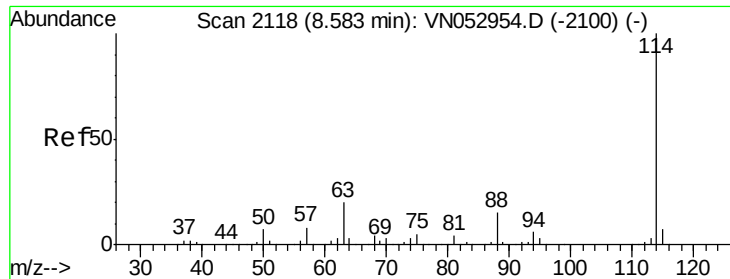
Tgt Ion: 65 Resp: 649300

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



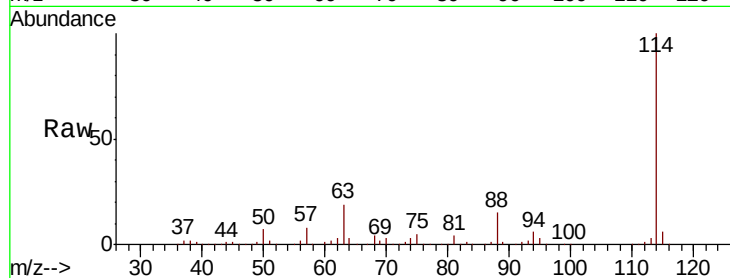


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053065.D
 Acq: 20 Dec 2018 19:01

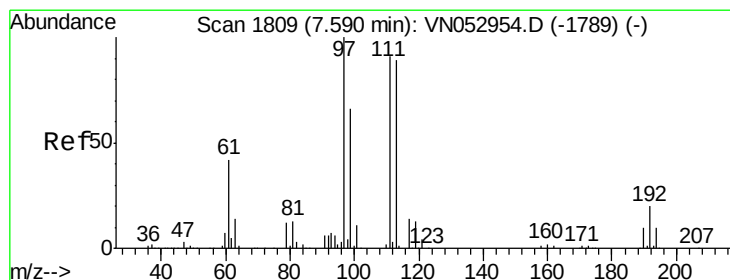
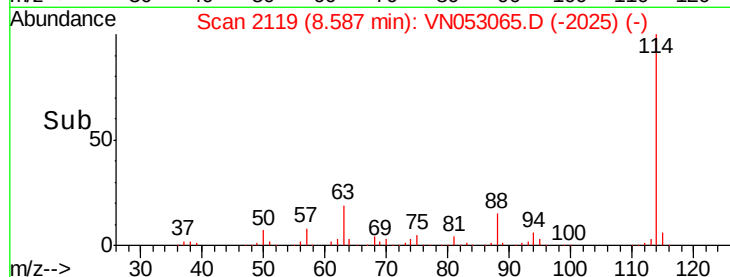
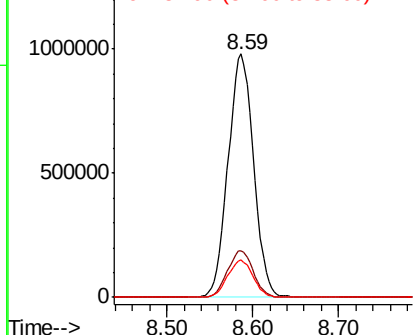
Instrument :
 MSVOA_N
 ClientSampled :
 R20-OS

Tot Ion:114 Resp: 2027139

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.8
88	15.2	0.0	31.0



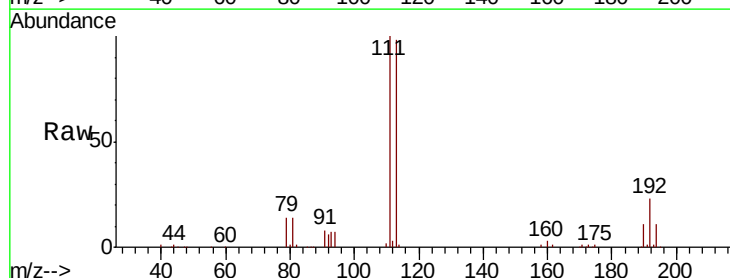
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



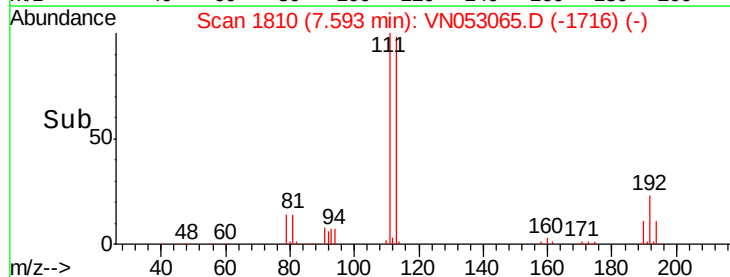
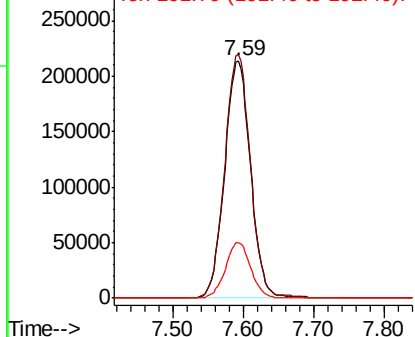
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053065.D
 Acq: 20 Dec 2018 19:01

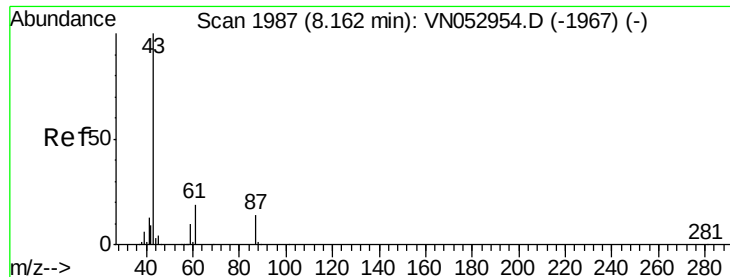
Tgt Ion:113 Resp: 549867

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	22.7	17.5	26.3



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: 1.477 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

Instrument :

MSVOA_N

ClientSampleId :

R20-OS

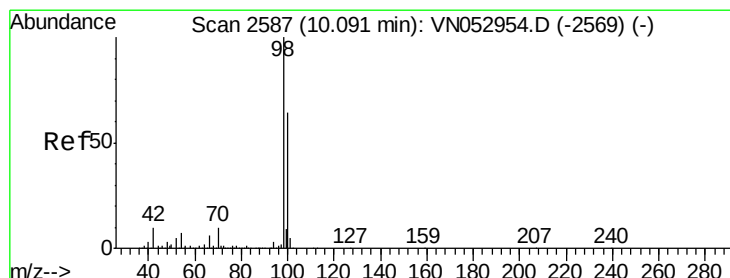
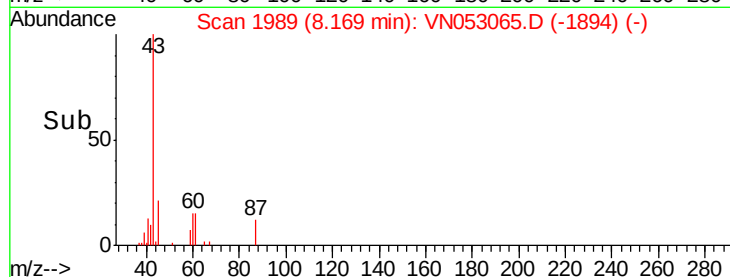
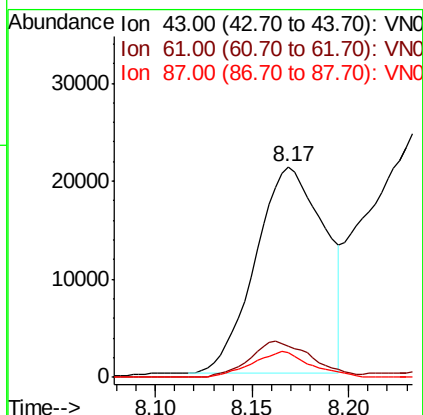
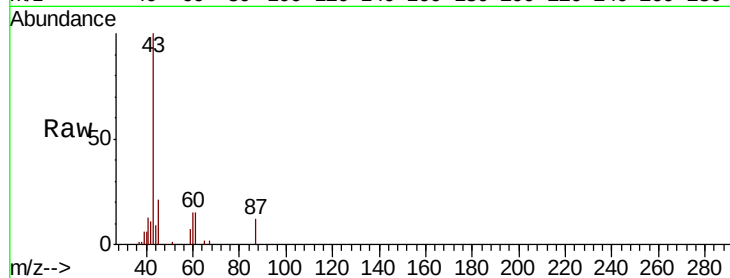
Tot Ion: 43 Resp: 52346

Ion Ratio Lower Upper

43 100

61 15.7 22.9 34.3#

87 10.7 10.6 15.8



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053065.D

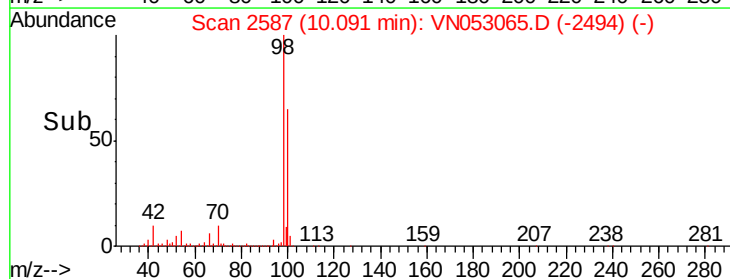
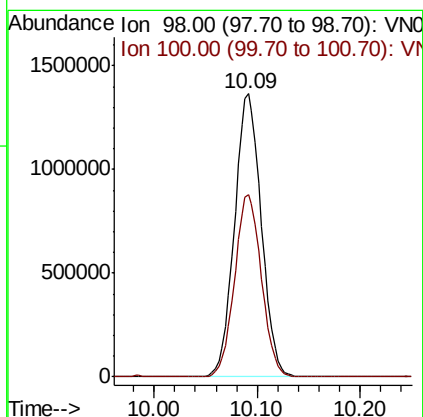
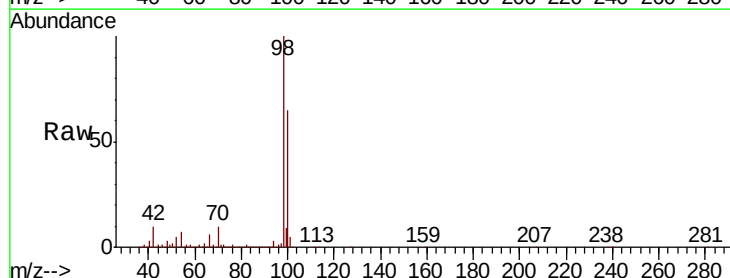
Acq: 20 Dec 2018 19:01

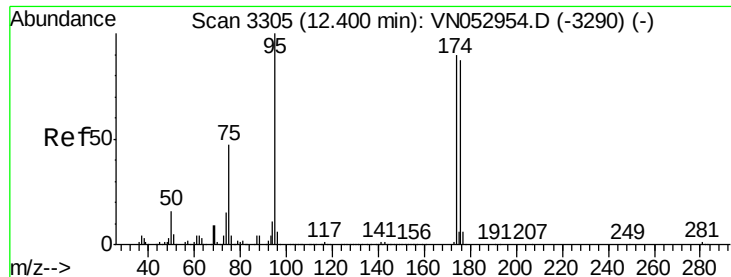
Tgt Ion: 98 Resp: 2466086

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

Instrument :
MSVOA_N
ClientSampleId :
R20-OS

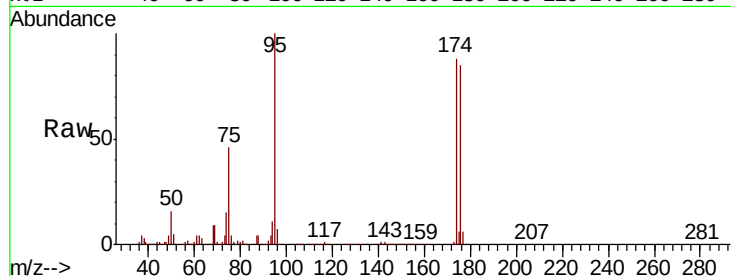
Tot Ion: 95 Resp: 850778

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.8

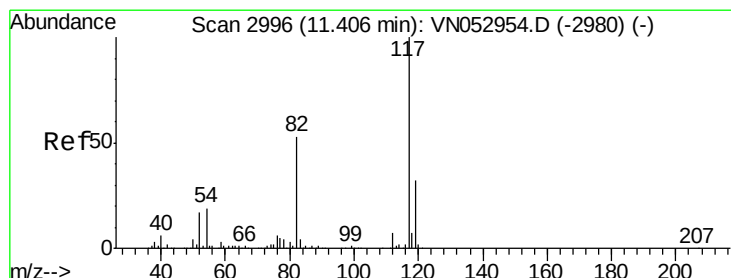
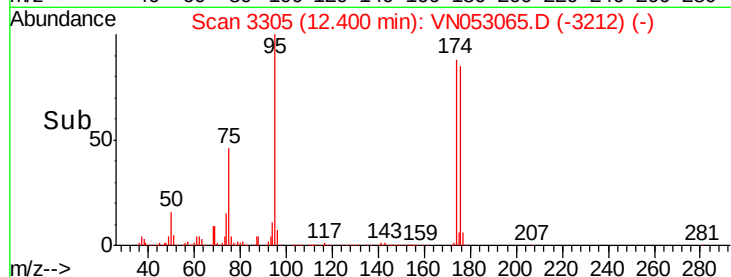
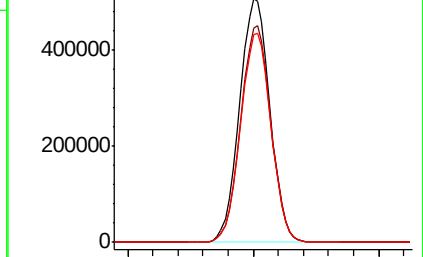
176 86.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

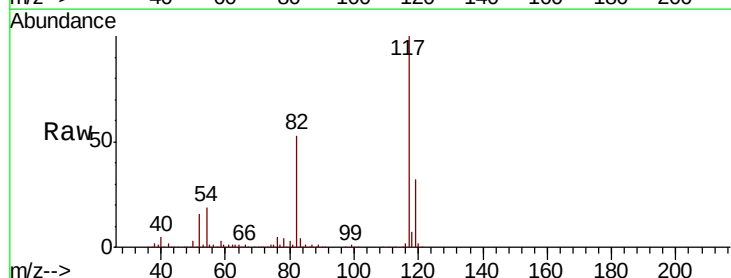
Tgt Ion: 117 Resp: 1824444

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

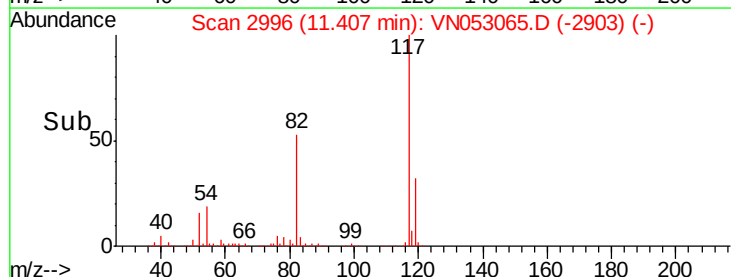
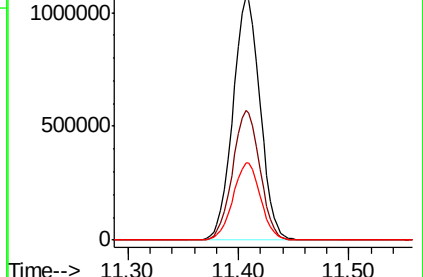
119 31.9 25.5 38.3

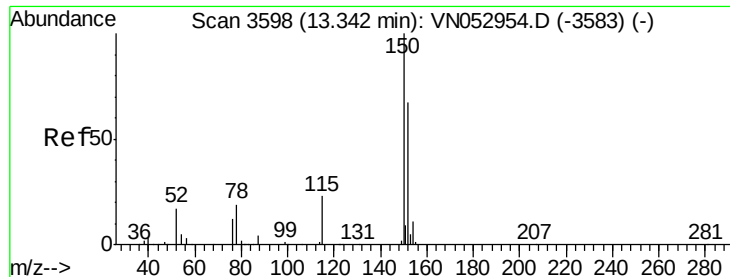


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

Instrument :

MSVOA_N

ClientSampled :

R20-OS

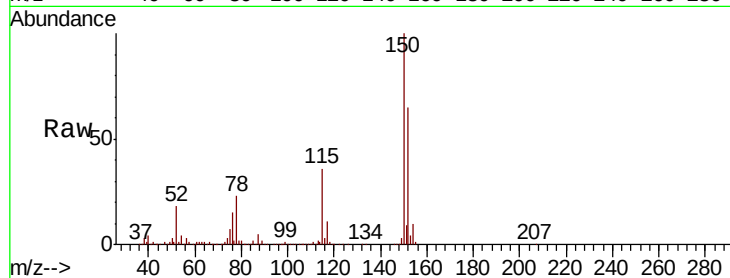
Tot Ion:152 Resp: 804074

Ion Ratio Lower Upper

152 100

115 55.8 28.3 85.0

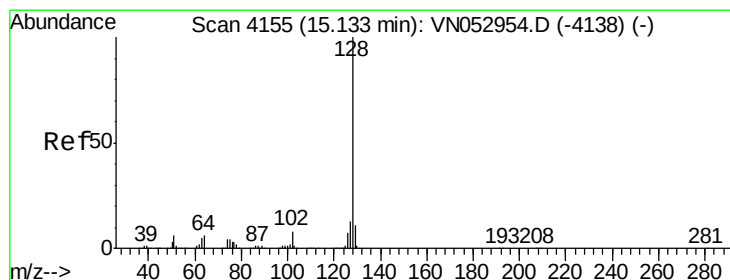
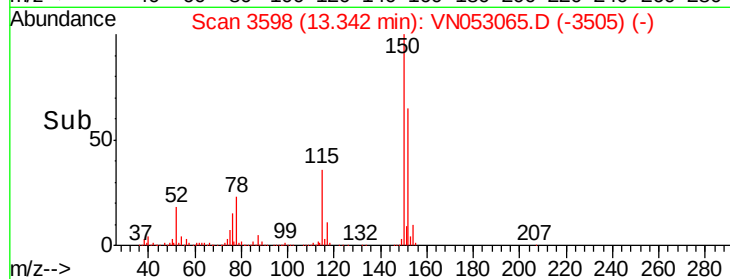
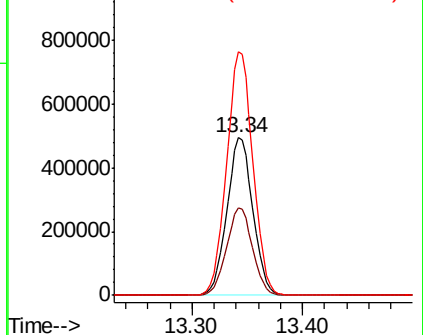
150 156.2 0.0 347.8



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: 1.956 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053065.D

Acq: 20 Dec 2018 19:01

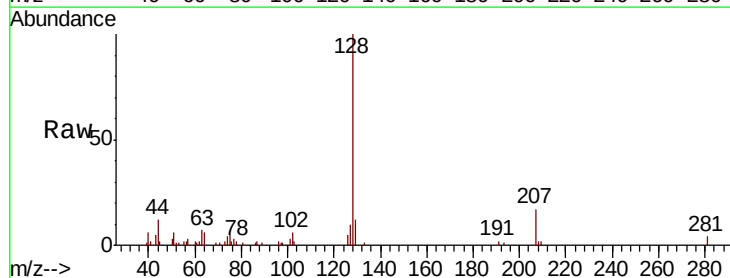
Tgt Ion:128 Resp: 26200

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.4

129 11.1 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

