

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063521.D
 Acq On : 22 Sep 2020 6:29
 Operator : JC/MD
 Sample : L4082-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D3-20200916

Quant Time: Sep 22 09:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

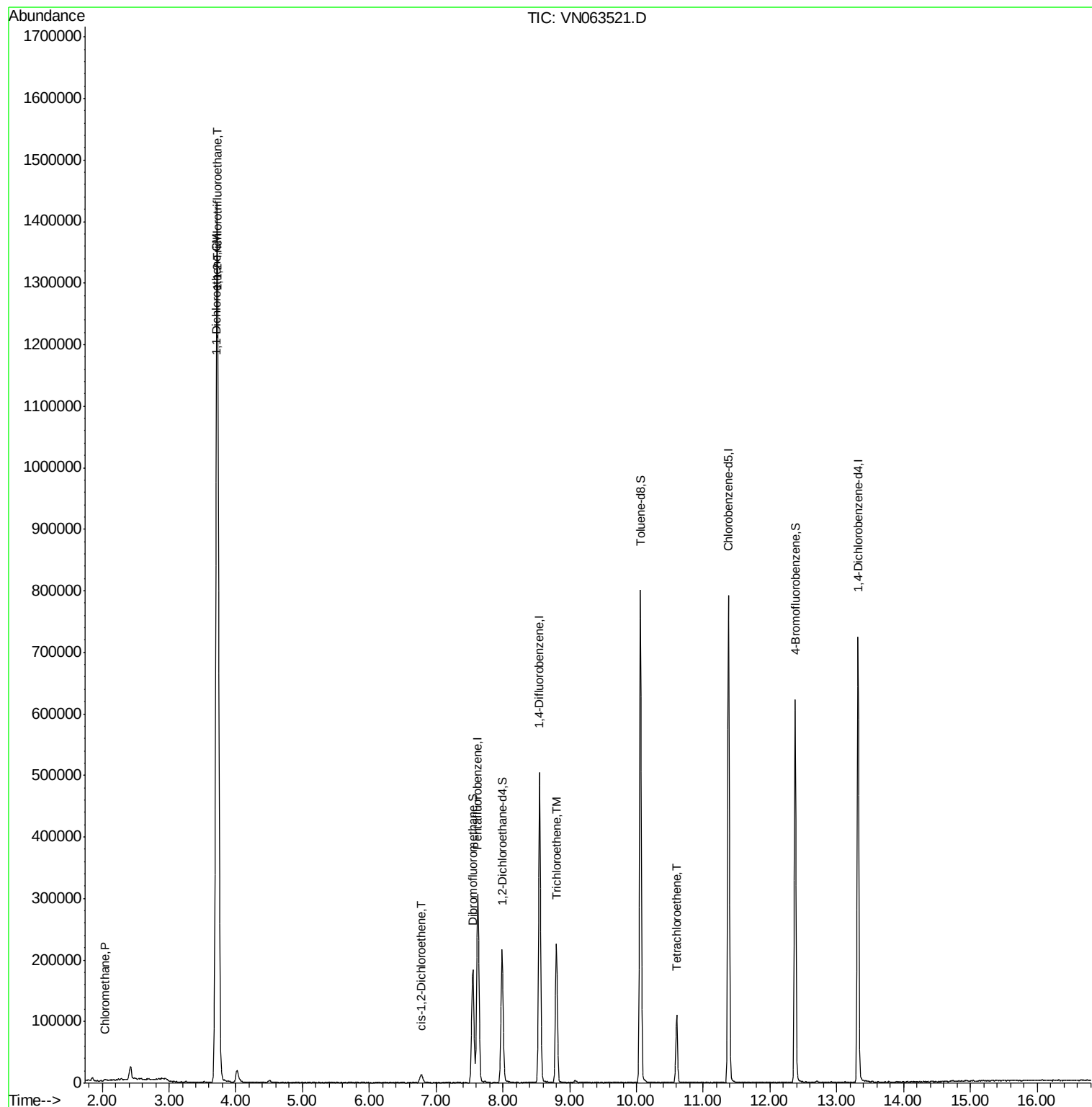
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179081	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	189086	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.55	113	133804	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	10.06	98	536221	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	209733	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
Target Compounds						
3) Chloromethane	2.04	50	1799	0.536	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	868683	348.096	ug/l	98
12) 1,1-Dichloroethene	3.70	96	7196	2.847	ug/l #	77
27) cis-1,2-Dichloroethene	6.79	96	3300	1.041	ug/l	41
44) Trichloroethene	8.80	130	73977	23.871	ug/l	98
64) Tetrachloroethene	10.60	164	23271	8.206	ug/l	93

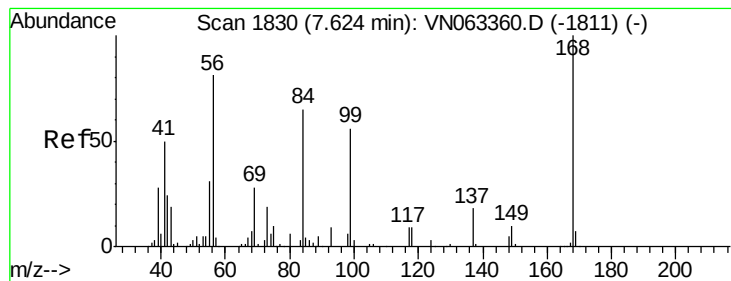
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

Instrument :

MSVOA_N

ClientSampleId :

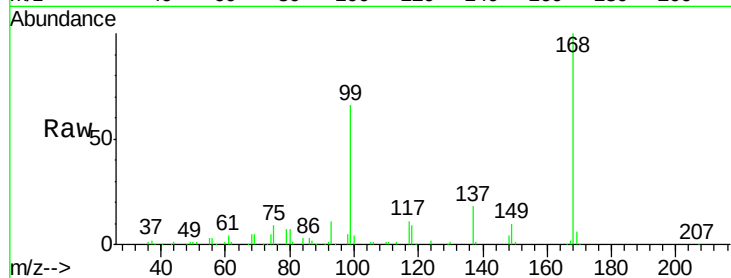
RE131D3-20200916

Tot Ion:168 Resp: 223987

Ion Ratio Lower Upper

168 100

99 65.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

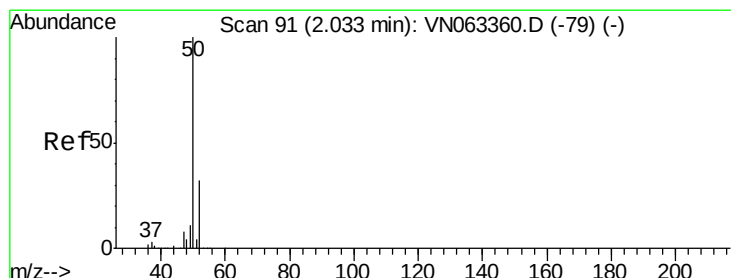
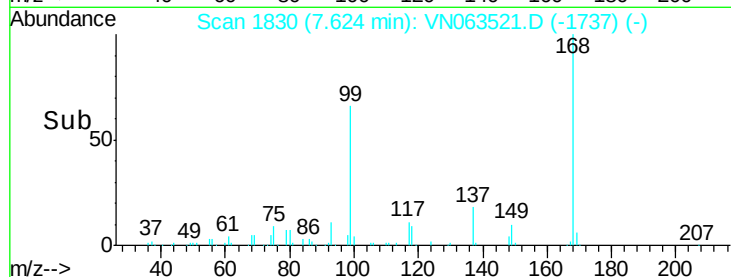
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.536 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063521.D

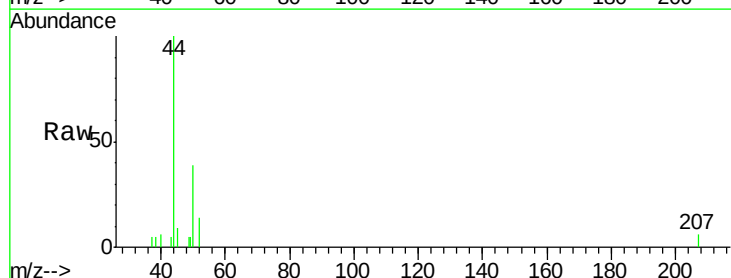
Acq: 22 Sep 2020 6:29

Tgt Ion: 50 Resp: 1799

Ion Ratio Lower Upper

50 100

52 36.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1500

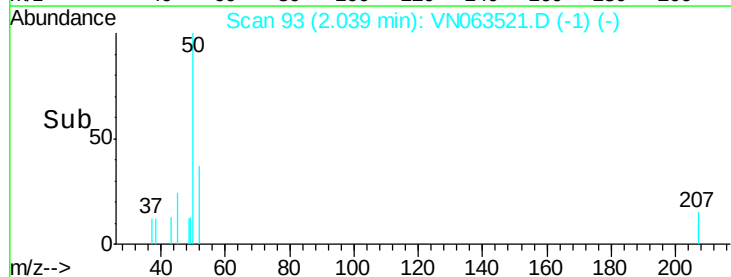
1000

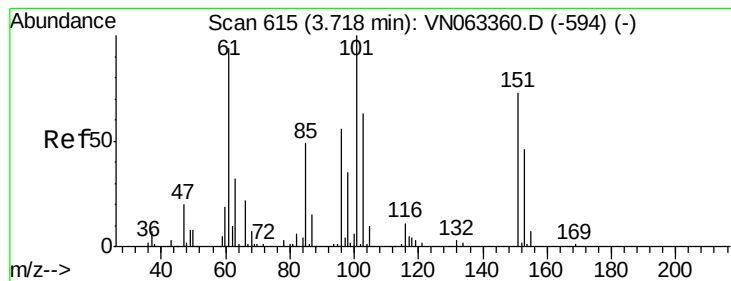
500

0

Time-->

2.00 2.02 2.04 2.06 2.08





#9

1,1,2-Trichlorotrifluoroethane

Concen: 348.096 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200916

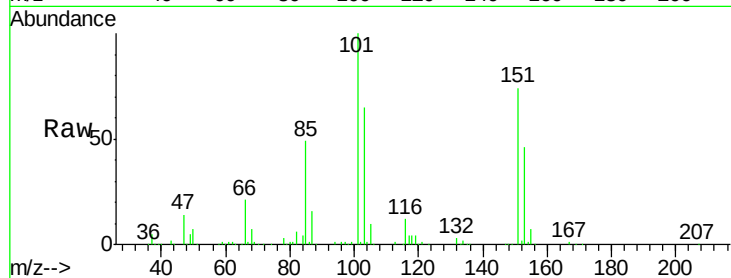
Tot Ion:101 Resp: 868683

Ion Ratio Lower Upper

101 100

85 48.8 37.7 56.5

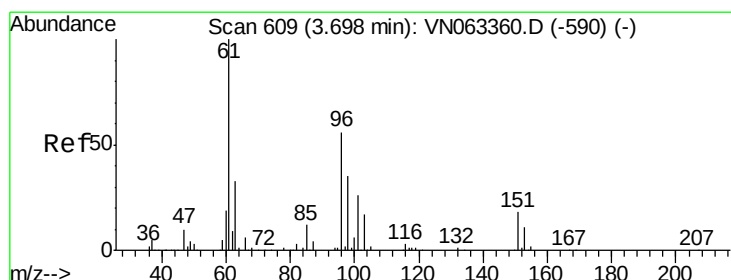
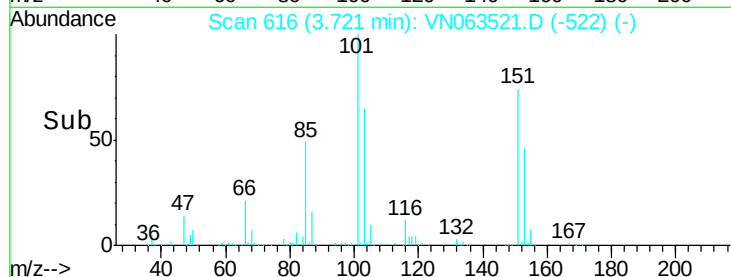
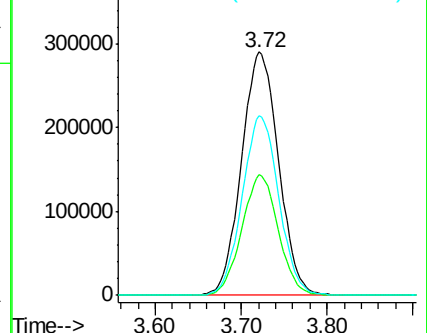
151 73.0 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 2.847 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

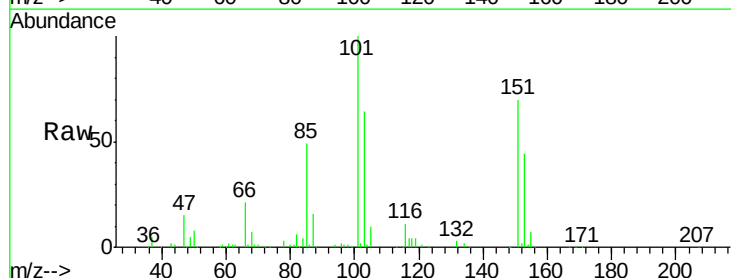
Tgt Ion: 96 Resp: 7196

Ion Ratio Lower Upper

96 100

61 142.4 143.4 215.2#

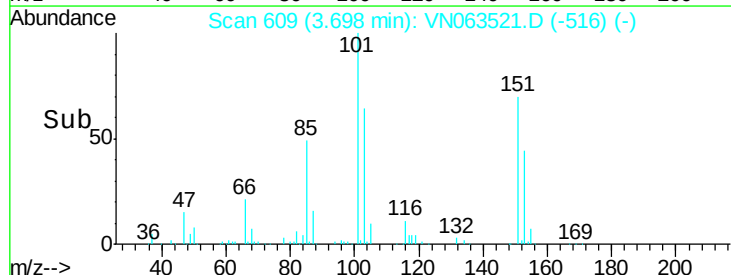
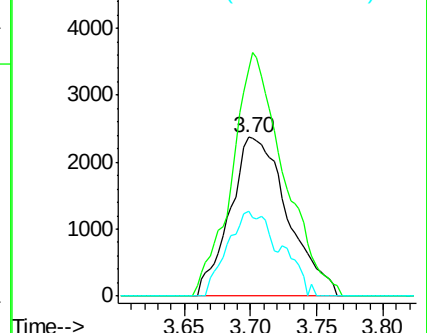
98 53.2 50.6 76.0

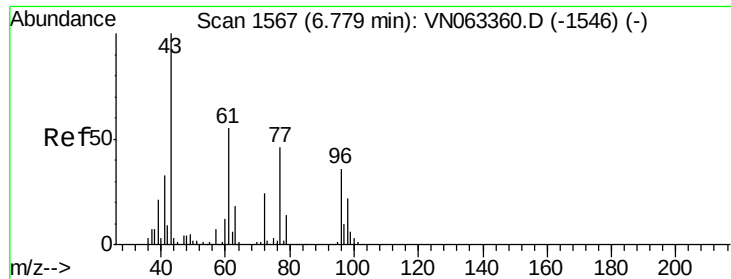


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

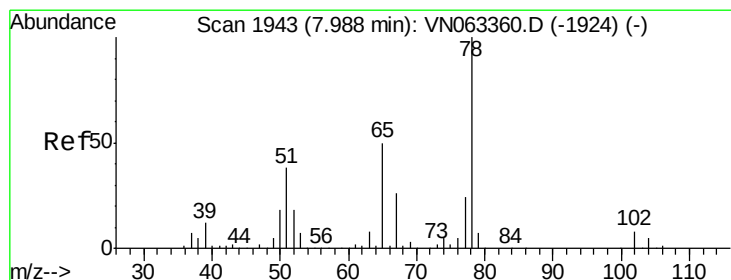
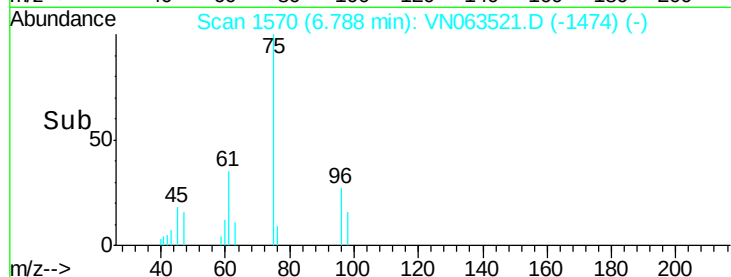
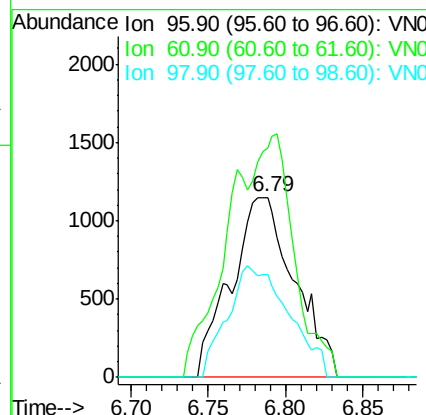
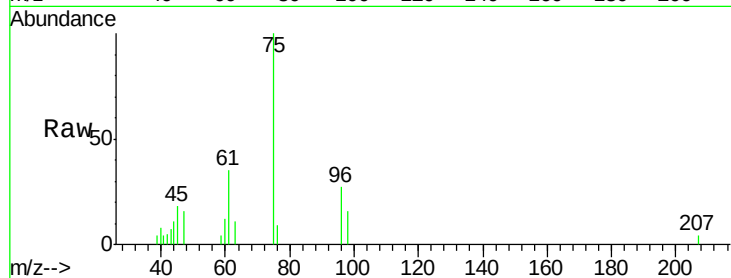




#27
 cis-1,2-Dichloroethene
 Concen: 1.041 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN063521.D
 Acq: 22 Sep 2020 6:29

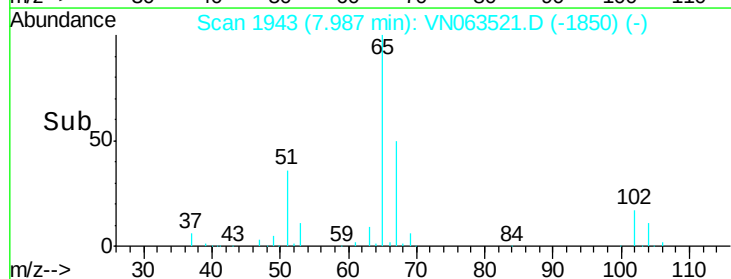
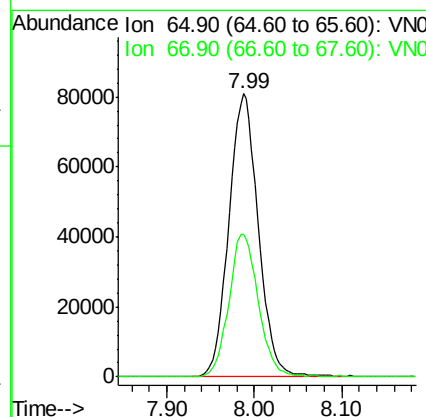
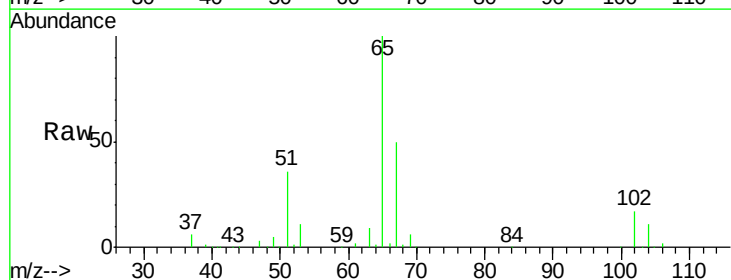
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D3-20200916

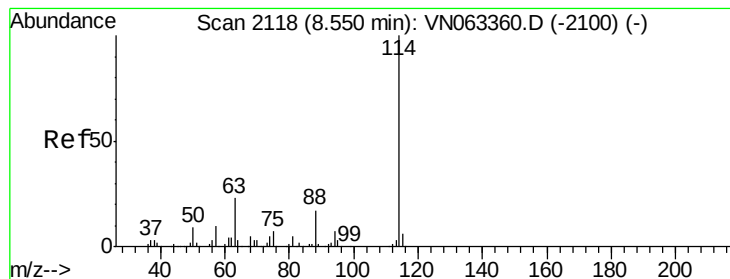
Tot Ion: 96 Resp: 3300
 Ion Ratio Lower Upper
 96 100
 61 53.8 0.0 319.6
 98 59.3 0.0 127.8



#33
 1,2-Dichloroethane-d4
 Concen: 49.592 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063521.D
 Acq: 22 Sep 2020 6:29

Tgt Ion: 65 Resp: 189086
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200916

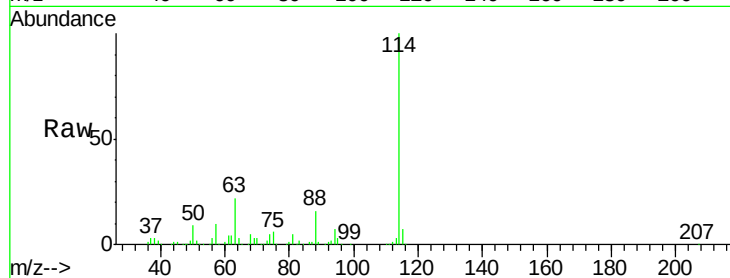
Tot Ion:114 Resp: 420133

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

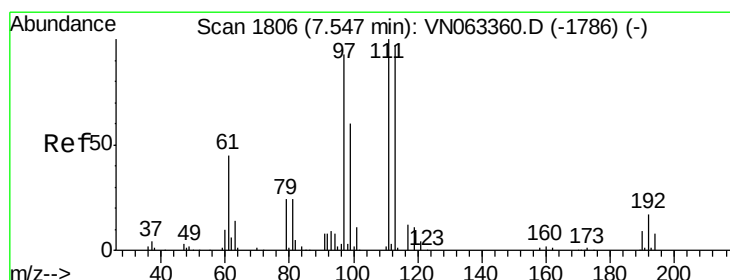
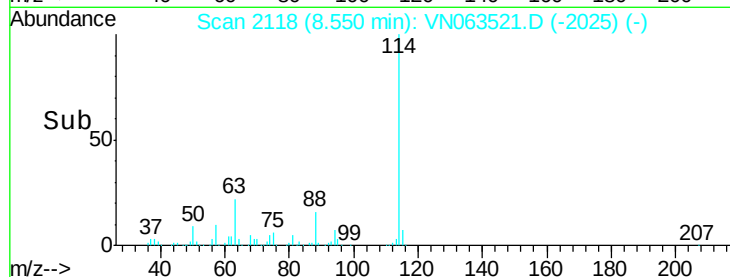
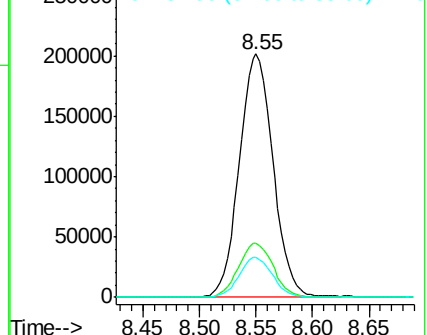
88 16.2 0.0 33.2



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: 46.005 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

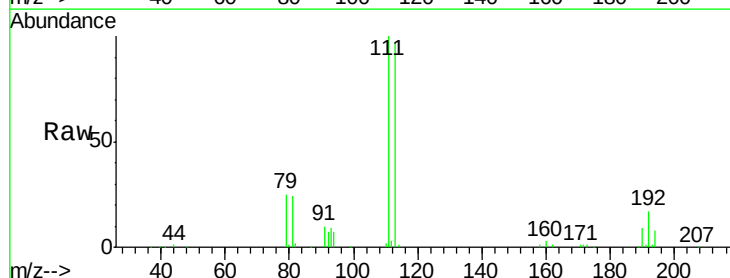
Tgt Ion:113 Resp: 133804

Ion Ratio Lower Upper

113 100

111 105.3 82.9 124.3

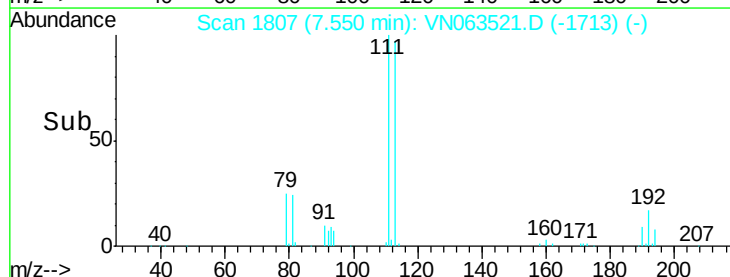
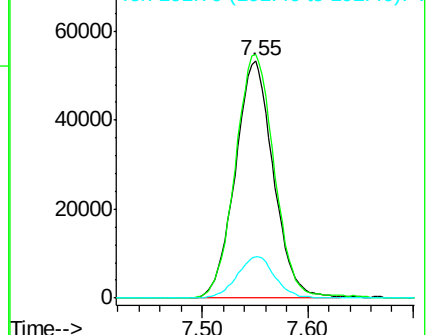
192 17.2 13.9 20.9

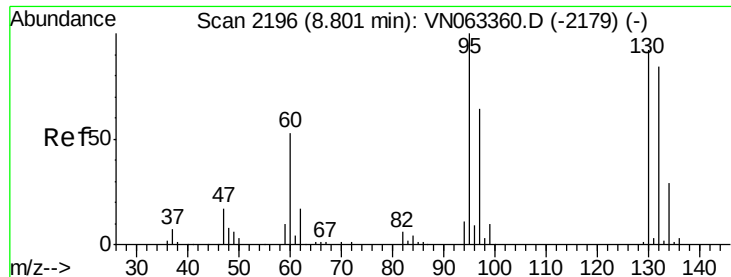


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 23.871 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

Instrument :

MSVOA_N

ClientSampleId :

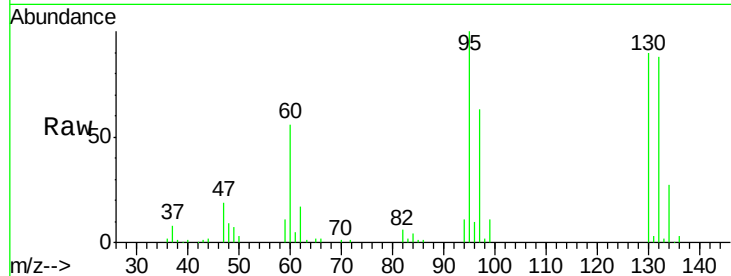
RE131D3-20200916

Tot Ion:130 Resp: 73977

Ion Ratio Lower Upper

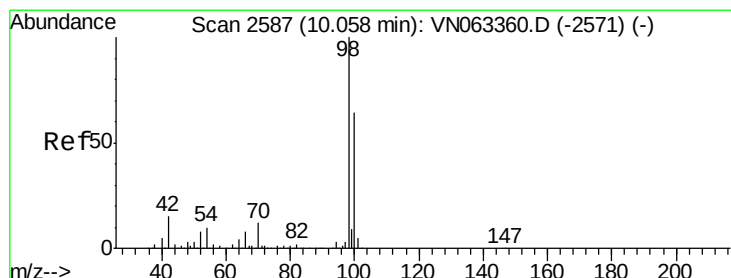
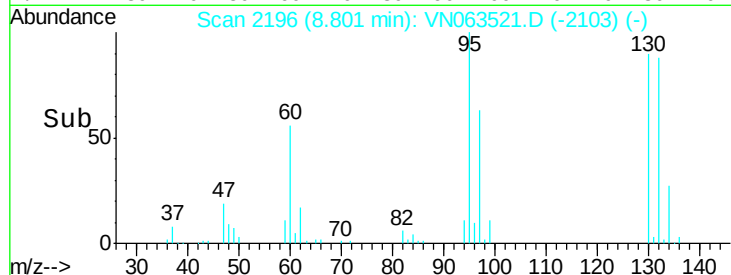
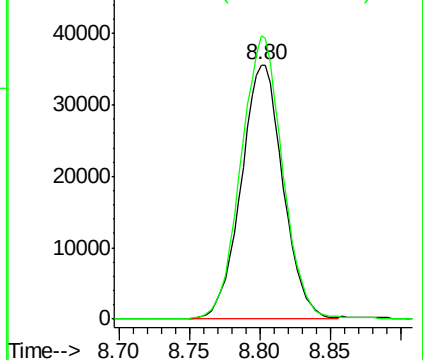
130 100

95 110.8 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#50

Toluene-d8

Concen: 49.031 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063521.D

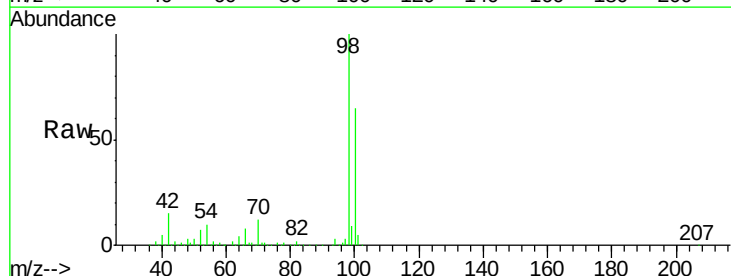
Acq: 22 Sep 2020 6:29

Tgt Ion: 98 Resp: 536221

Ion Ratio Lower Upper

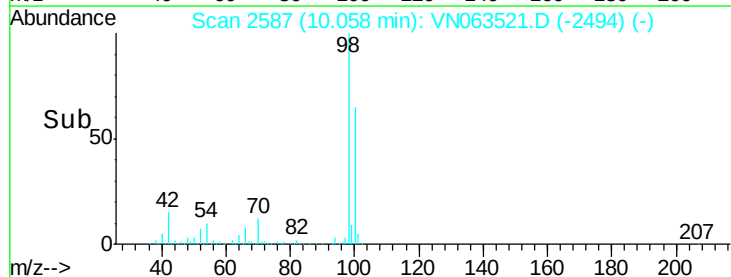
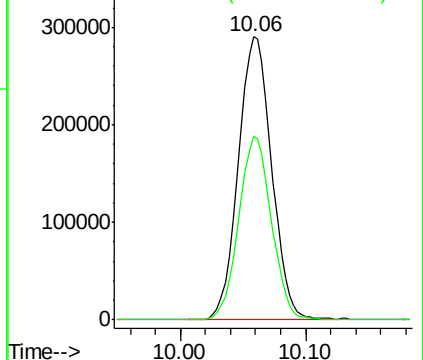
98 100

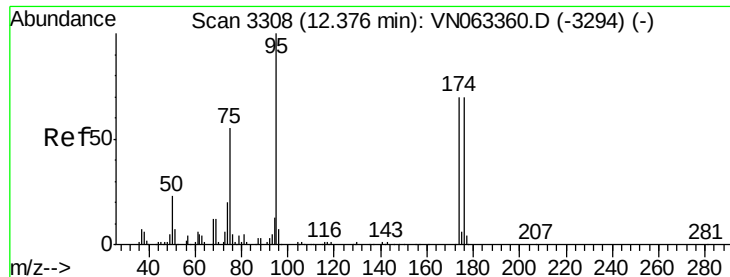
100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.314 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

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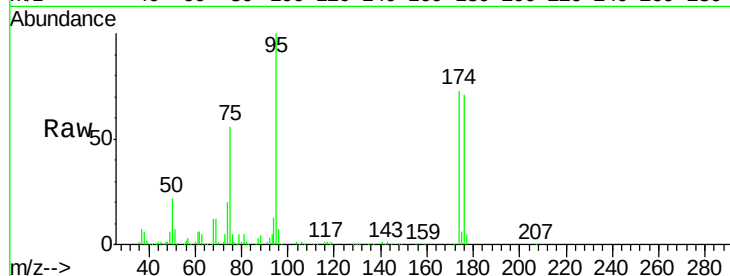
Tot Ion: 95 Resp: 209733

Ion Ratio Lower Upper

95 100

174 72.8 0.0 140.8

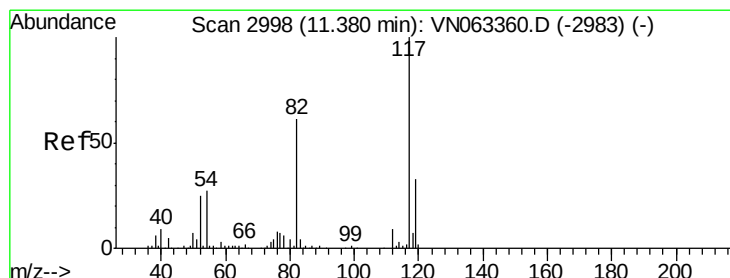
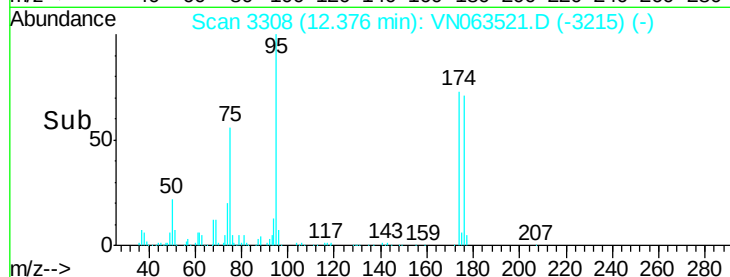
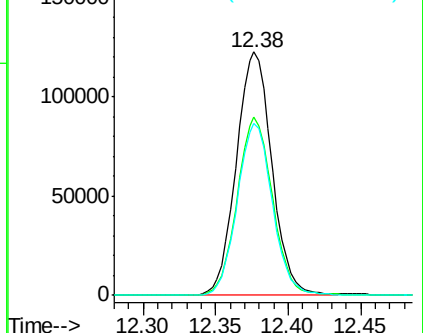
176 69.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

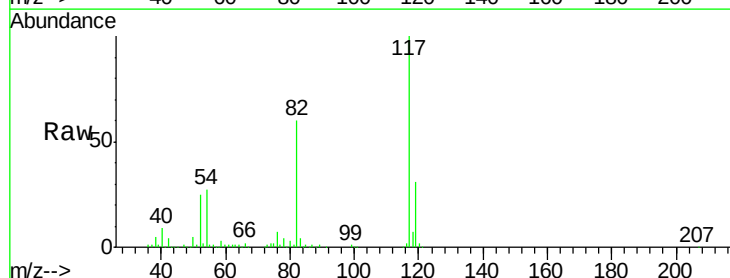
Tgt Ion: 117 Resp: 416458

Ion Ratio Lower Upper

117 100

82 60.5 49.2 73.8

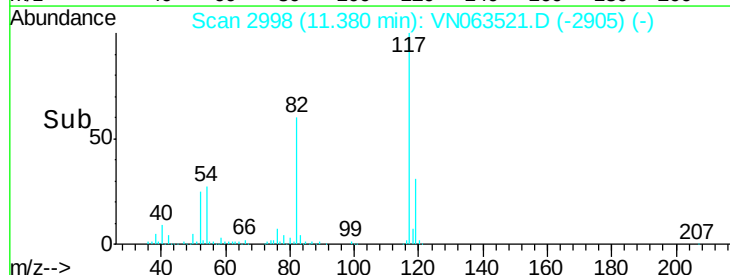
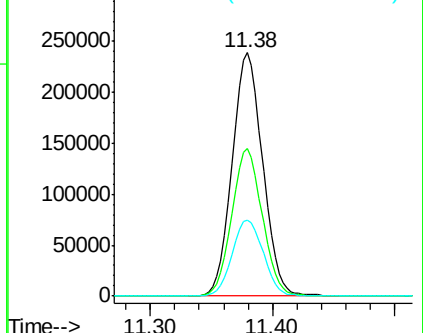
119 31.2 26.2 39.4

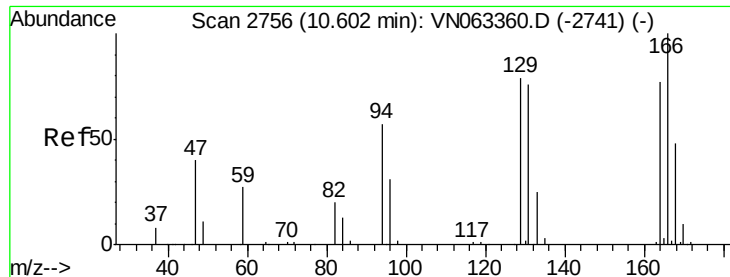


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 8.206 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200916

Tot Ion:164 Resp: 23271

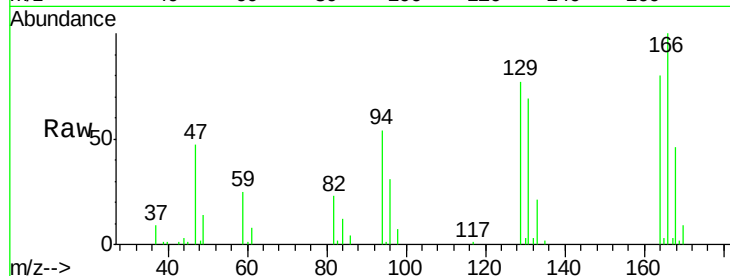
Ion Ratio Lower Upper

164 100

166 124.8 103.4 155.0

129 95.8 81.8 122.6

131 86.3 78.2 117.4

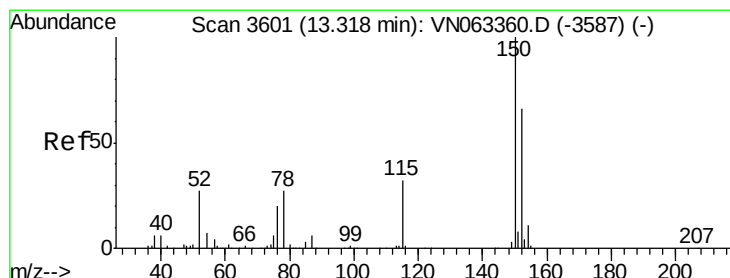
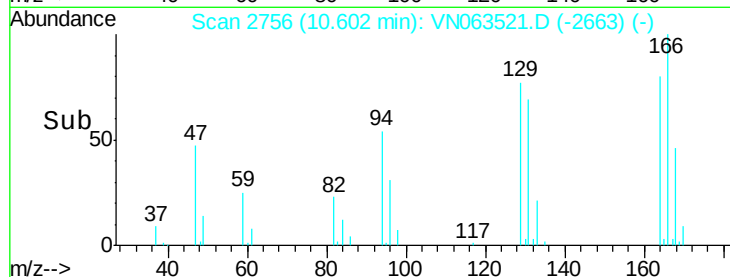
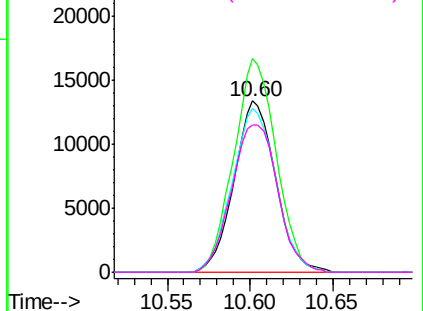


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063521.D

Acq: 22 Sep 2020 6:29

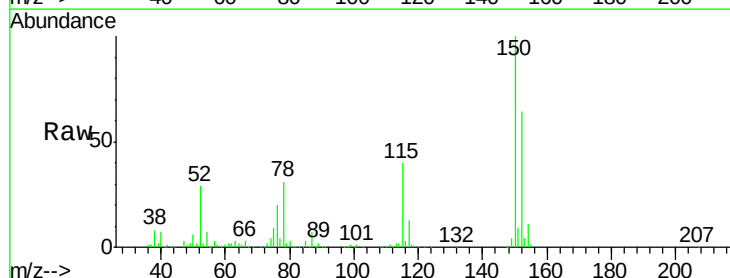
Tgt Ion:152 Resp: 179081

Ion Ratio Lower Upper

152 100

115 63.3 32.2 96.6

150 156.7 0.0 343.4



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

