

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064917.D
 Acq On : 4 Dec 2020 14:29
 Operator : JC/MD
 Sample : L4954-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 05 01:28:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	169668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	311982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104650	53.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.10%
35) Dibromofluoromethane	7.55	113	96375	52.93	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.86%
50) Toluene-d8	10.06	98	377064	50.68	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.36%
62) 4-Bromofluorobenzene	12.38	95	144370	54.23	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.46%

Target Compounds

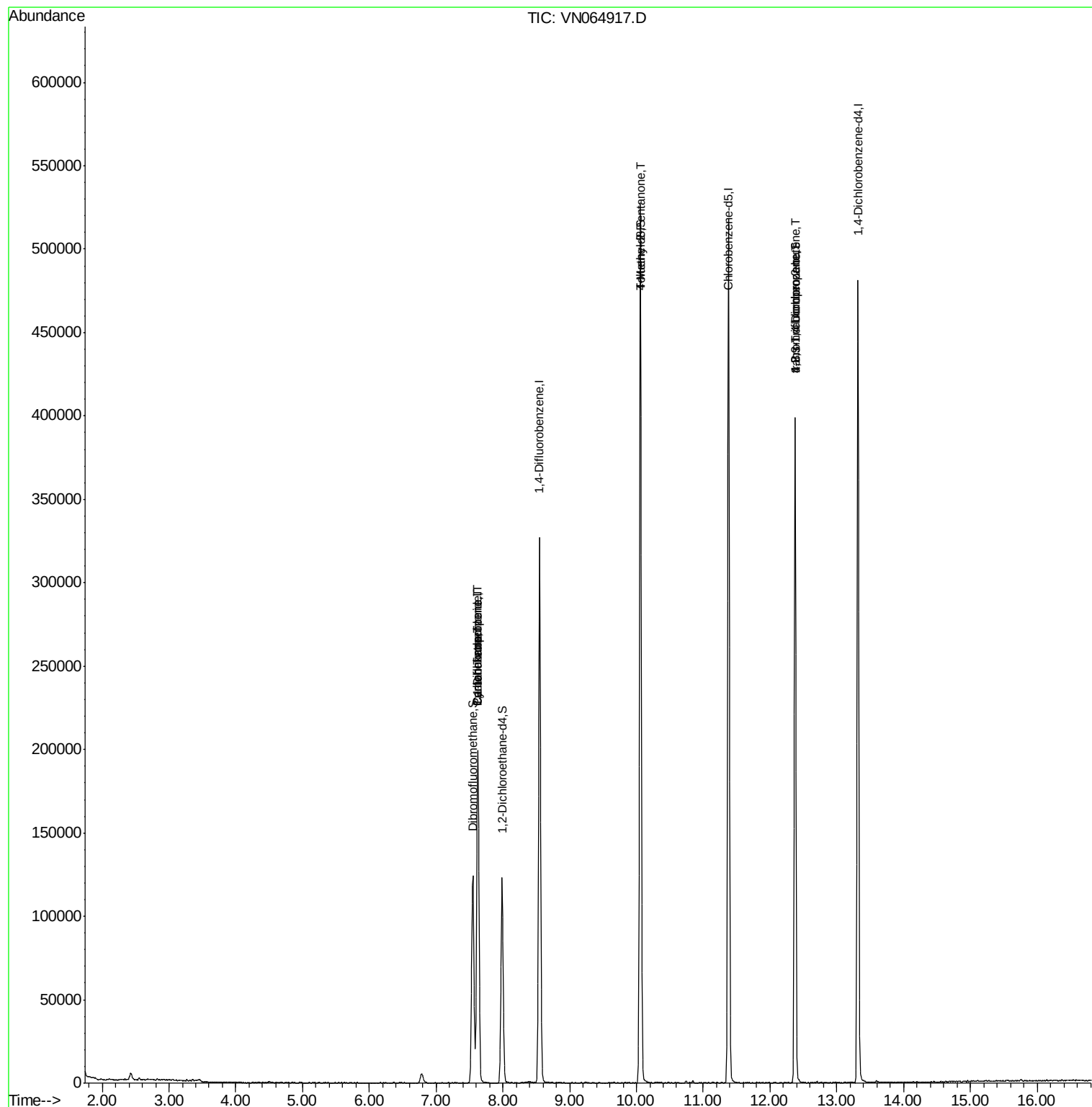
					Qvalue	
31) Cyclohexane	7.62	56	2925	1.064	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	12704	4.504	ug/l #	45
38) Carbon Tetrachloride	7.63	117	16337	5.567	ug/l #	16
51) 4-Methyl-2-Pentanone	10.05	43	1322	0.504	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	69171	22.986	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	69171	63.000	ug/l #	15

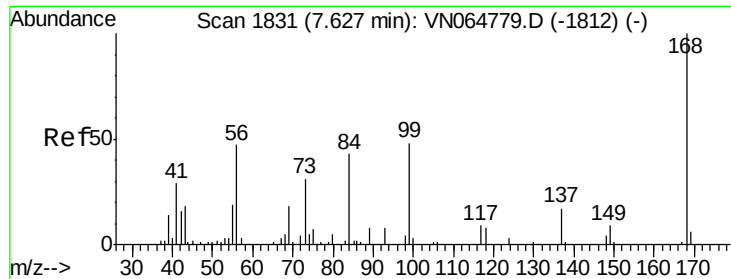
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

Instrument :

MSVOA_N

ClientSampleId :

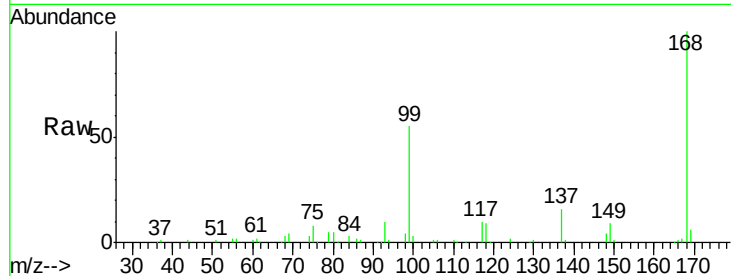
TRIP-BLANK

Tot Ion:168 Resp: 169668

Ion Ratio Lower Upper

168 100

99 54.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

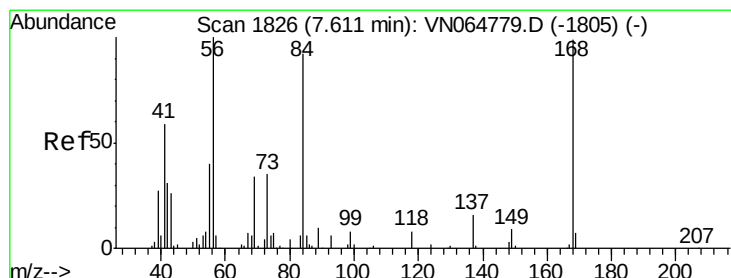
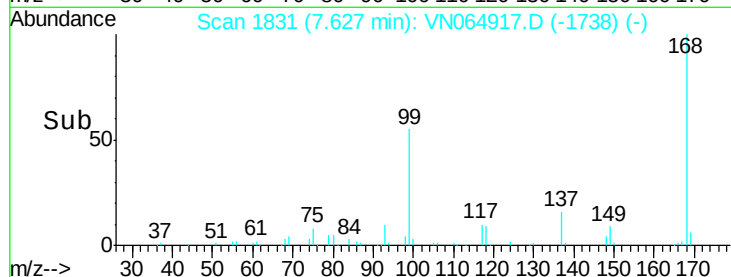
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

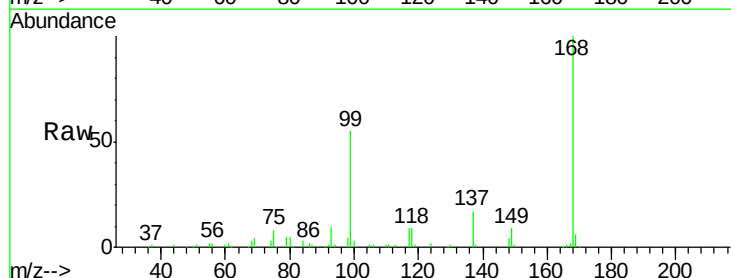
Tgt Ion: 56 Resp: 2925

Ion Ratio Lower Upper

56 100

69 167.7 27.5 41.3#

84 121.9 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

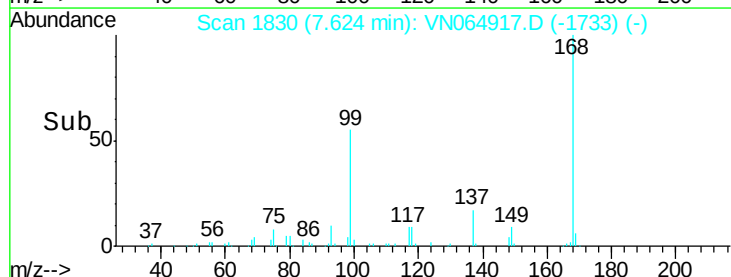
3000

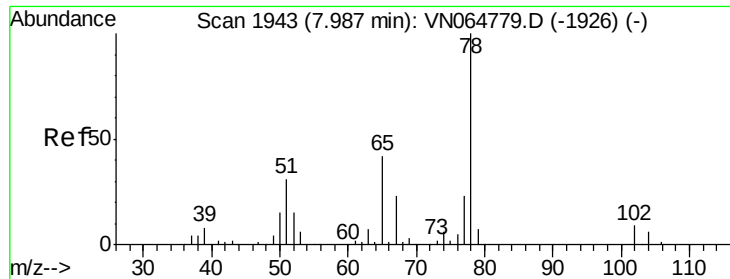
2000

1000

0

Time-->

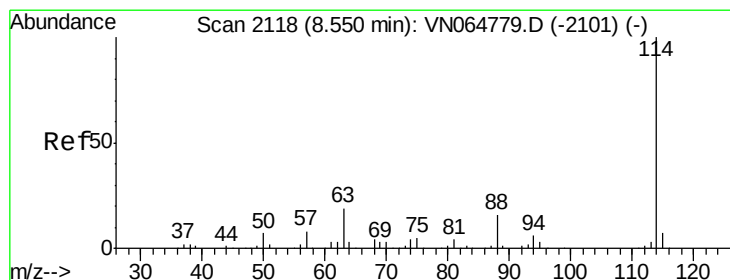
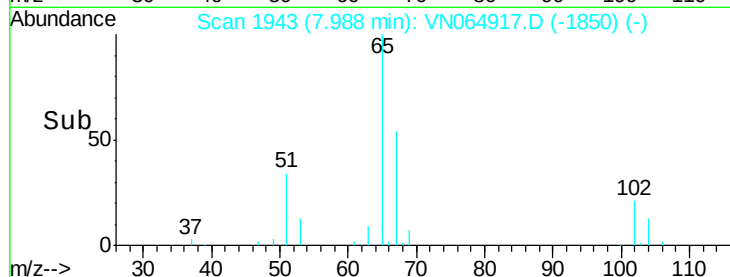
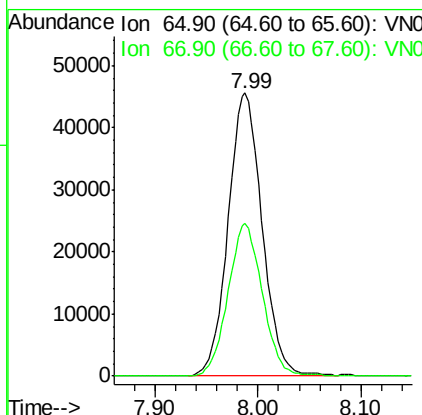
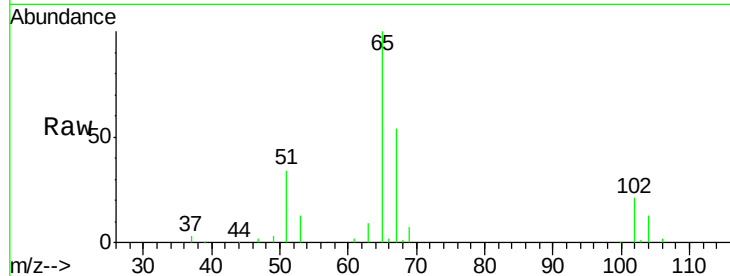




#33
 1,2-Dichloroethane-d4
 Concen: 53.054 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064917.D
 Acq: 4 Dec 2020 14:29

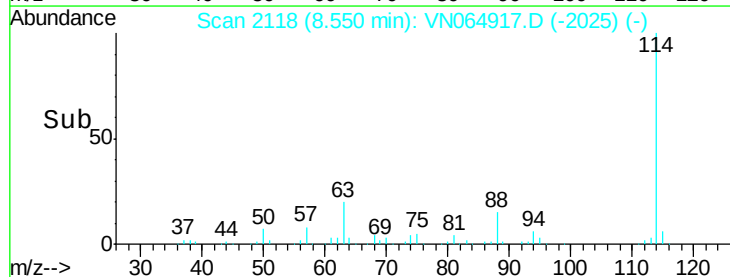
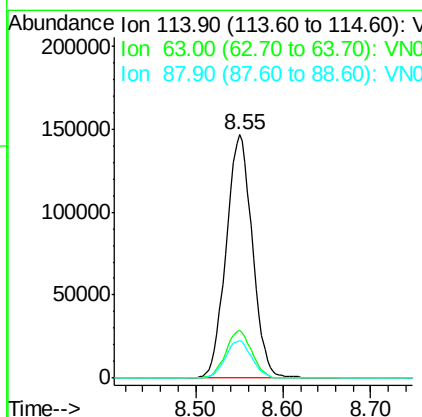
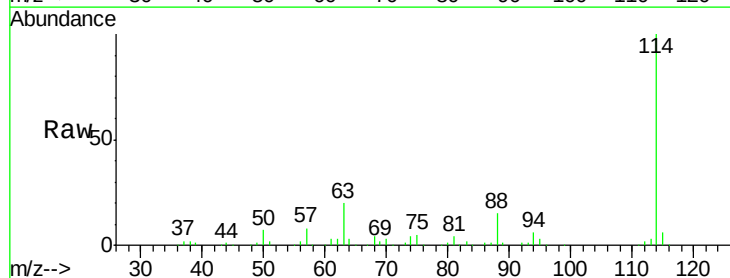
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

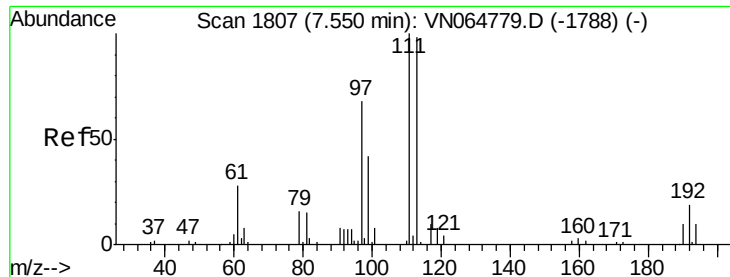
Tot Ion: 65 Resp: 104650
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064917.D
 Acq: 4 Dec 2020 14:29

Tgt Ion: 114 Resp: 304285
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.932 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

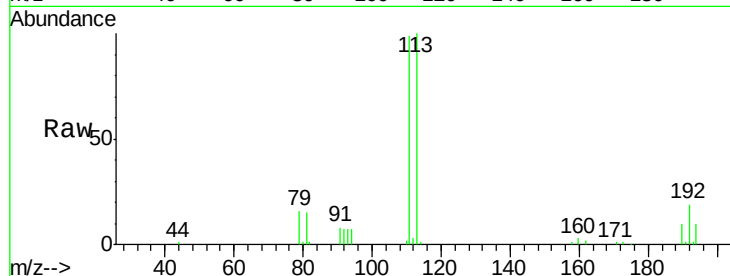
Tot Ion:113 Resp: 96375

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

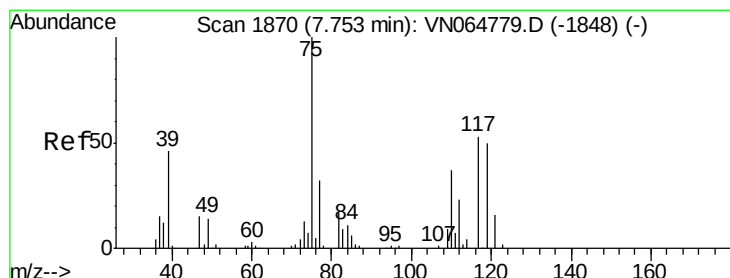
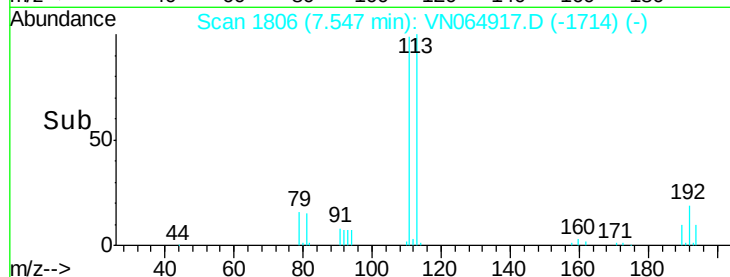
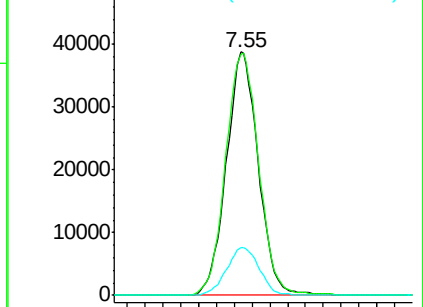
192 20.1 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

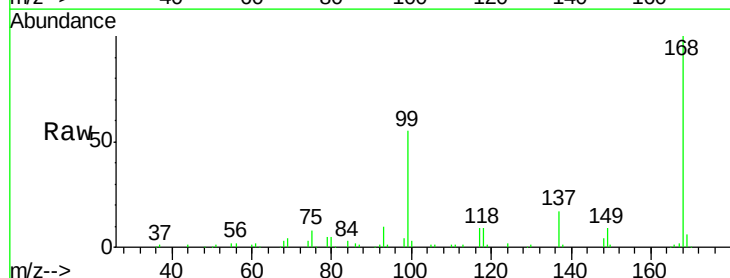
Tgt Ion: 75 Resp: 12704

Ion Ratio Lower Upper

75 100

110 3.9 17.8 53.3#

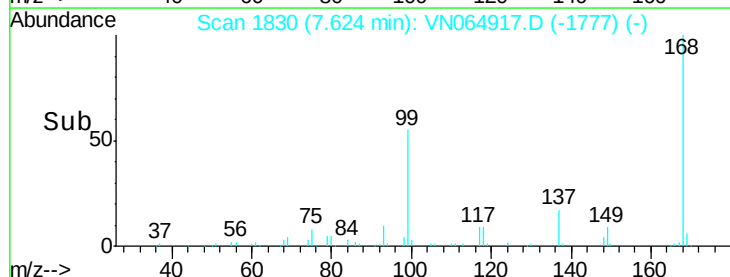
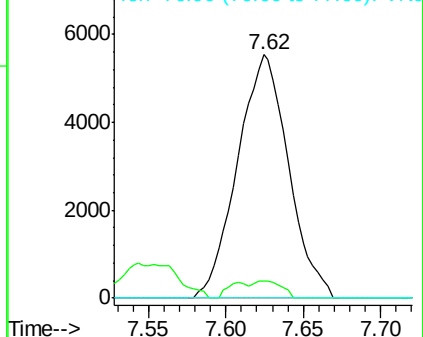
77 0.0 25.0 37.4#

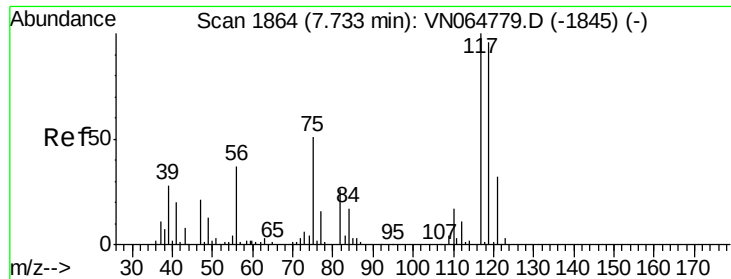


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

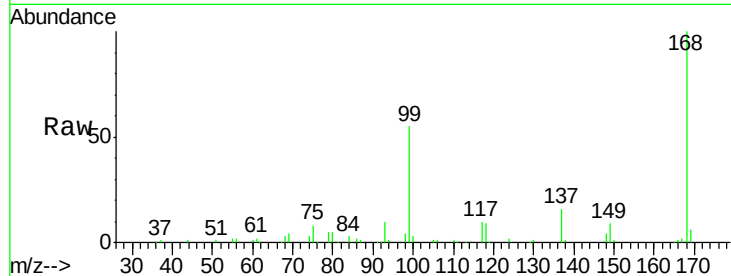
Tot Ion:117 Resp: 16337

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

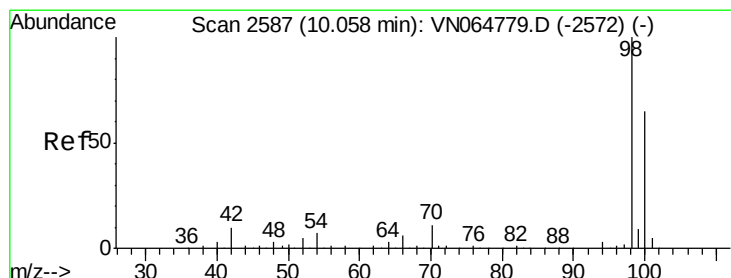
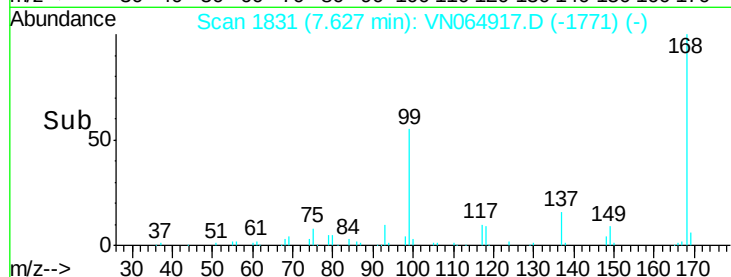
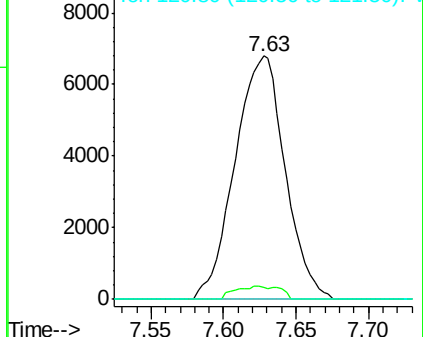
121 0.0 25.4 38.2#



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



#50

Toluene-d8

Concen: 50.685 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064917.D

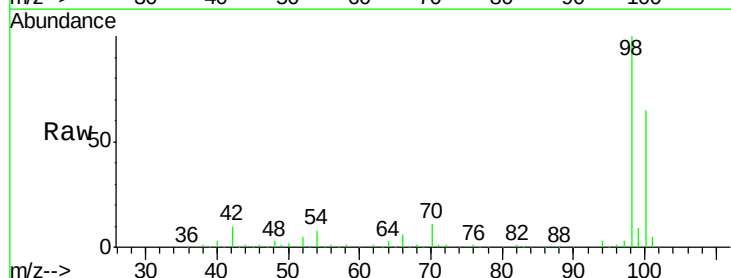
Acq: 4 Dec 2020 14:29

Tgt Ion: 98 Resp: 377064

Ion Ratio Lower Upper

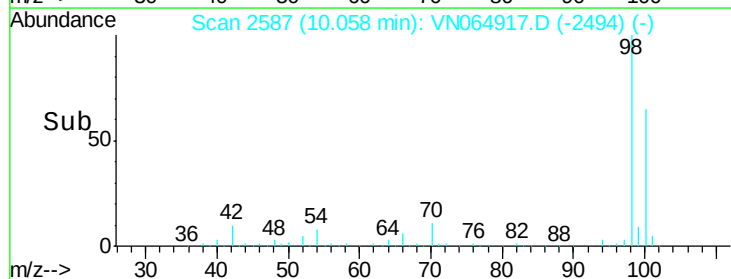
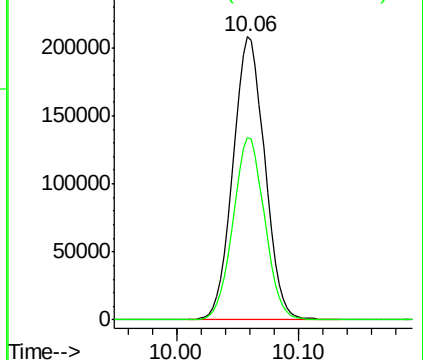
98 100

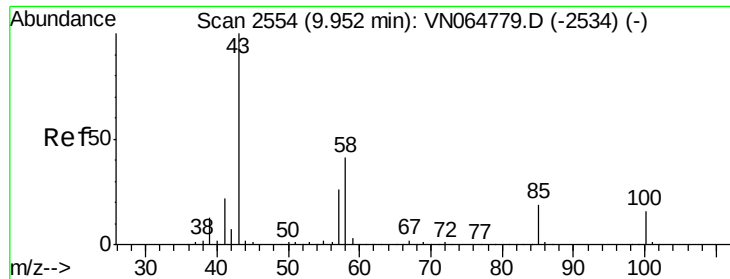
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

Instrument :

MSVOA_N

ClientSampleId :

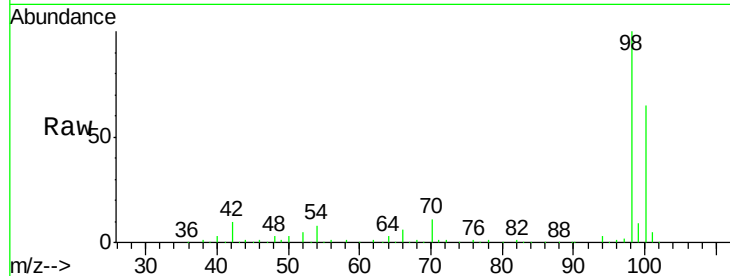
TRIP-BLANK

Tot Ion: 43 Resp: 1322

Ion Ratio Lower Upper

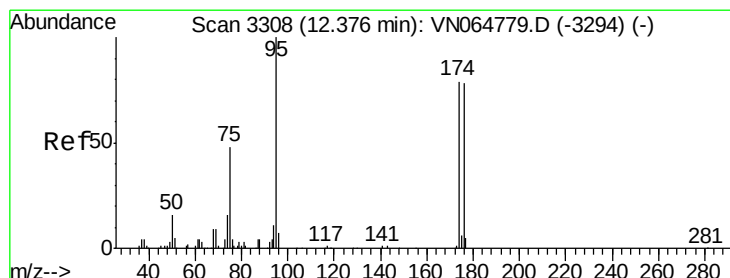
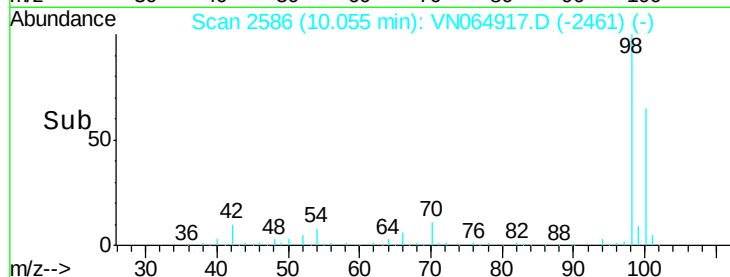
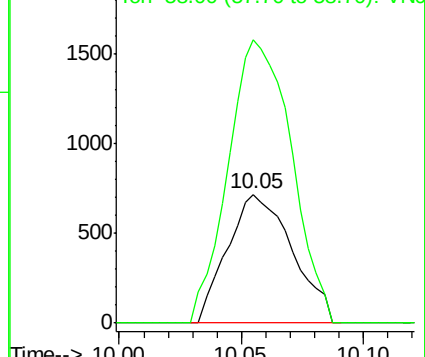
43 100

58 214.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 54.225 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

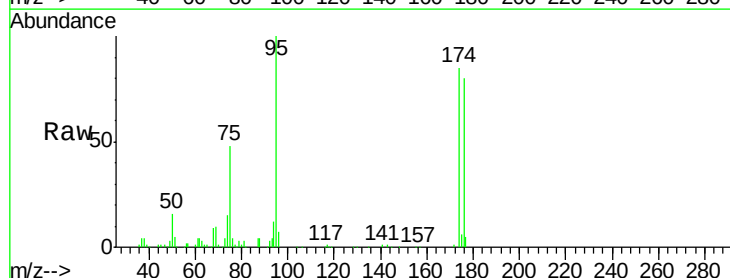
Tgt Ion: 95 Resp: 144370

Ion Ratio Lower Upper

95 100

174 84.1 0.0 160.4

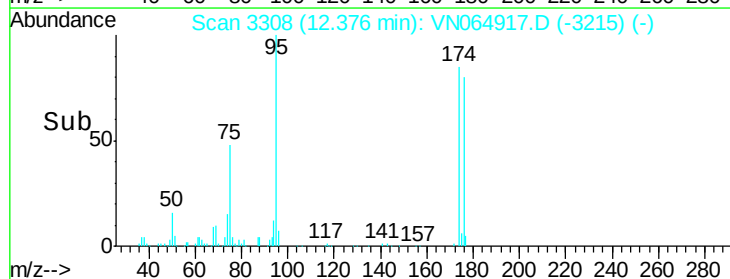
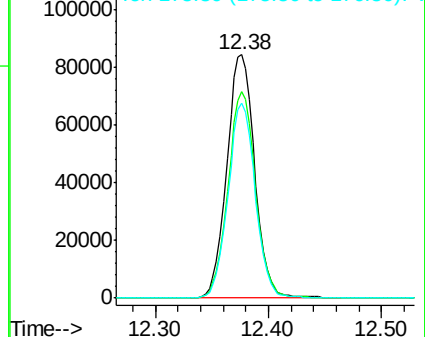
176 78.3 0.0 158.4

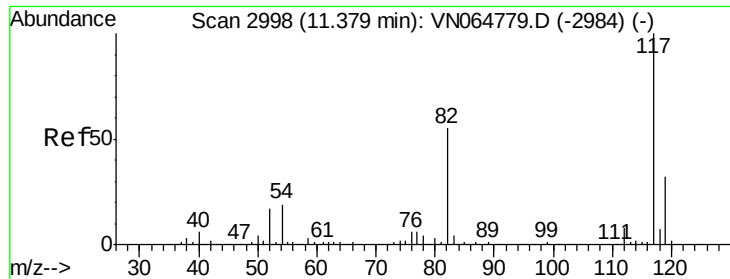


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

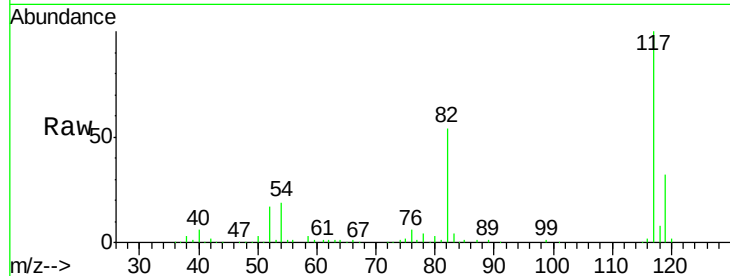




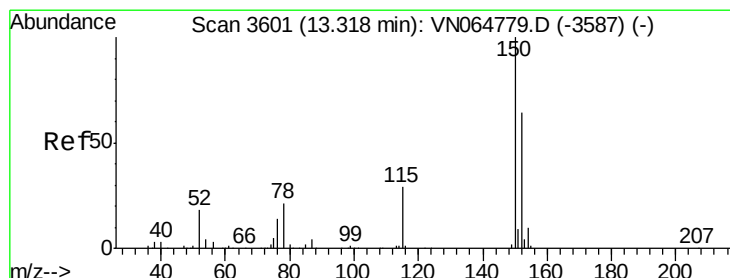
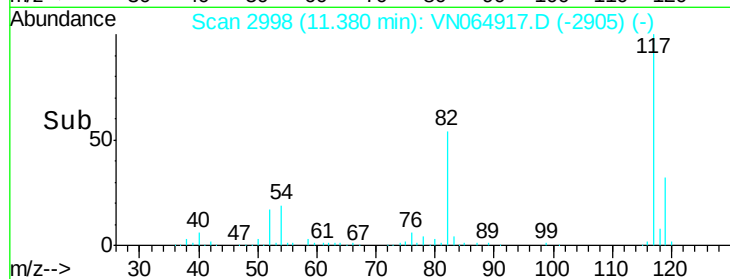
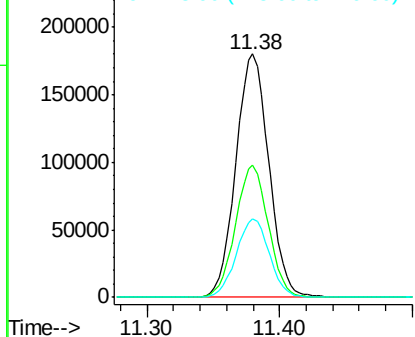
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064917.D
Acq: 4 Dec 2020 14:29

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 311982
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.2 25.8 38.6

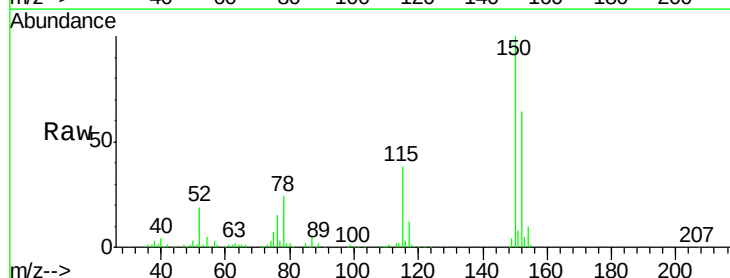


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

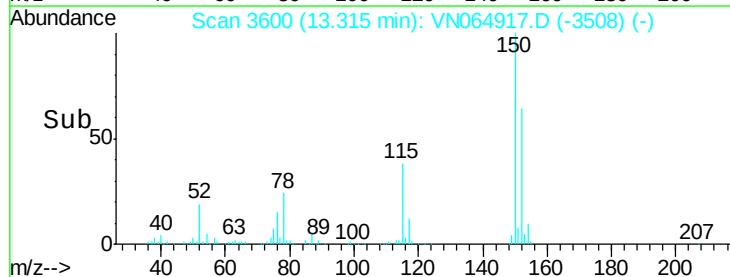
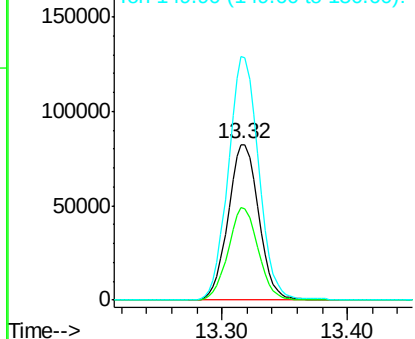


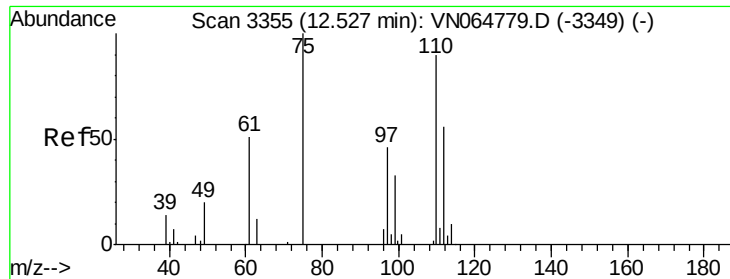
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064917.D
Acq: 4 Dec 2020 14:29

Tgt Ion:152 Resp: 139731
Ion Ratio Lower Upper
152 100
115 58.4 29.7 89.1
150 156.0 0.0 350.6



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: 22.986 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

Instrument :

MSVOA_N

ClientSampled :

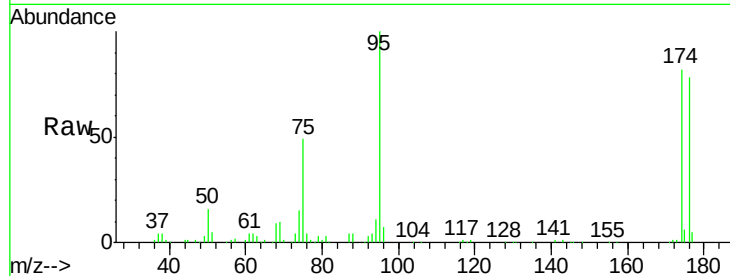
TRIP-BLANK

Tot Ion: 75 Resp: 69171

Ion Ratio Lower Upper

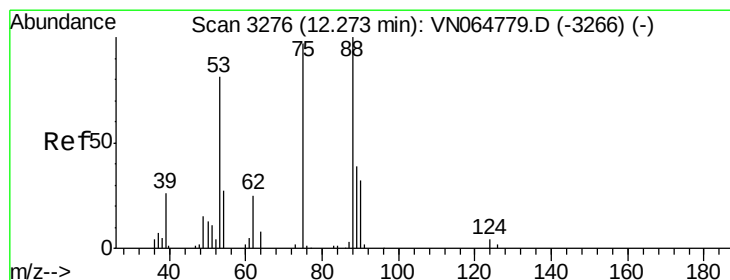
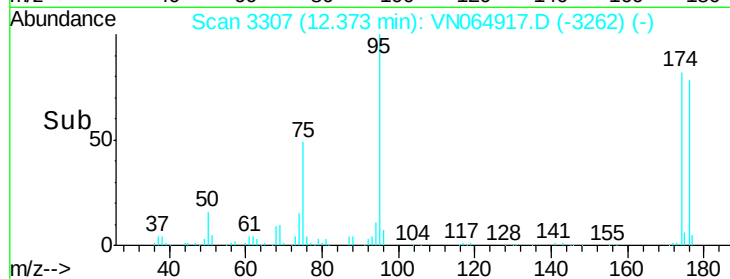
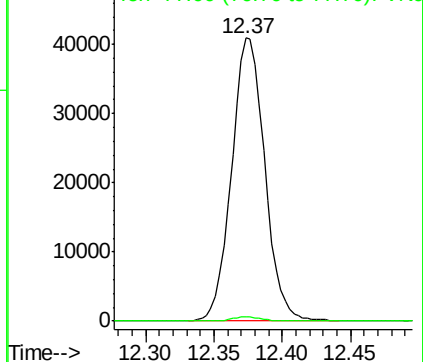
75 100

77 1.2 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: 63.000 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064917.D

Acq: 4 Dec 2020 14:29

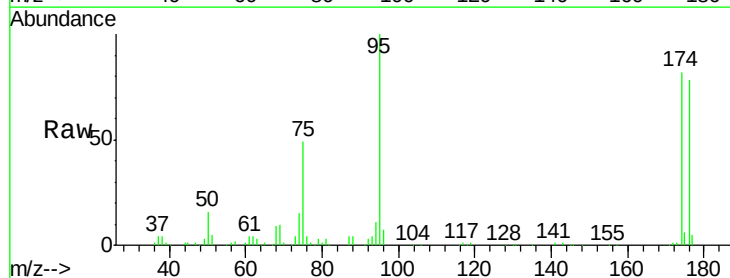
Tgt Ion: 75 Resp: 69171

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



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

