

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062572.D
 Acq On : 21 Jul 2020 15:25
 Operator : JC/MD
 Sample : VN0721WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBL01

Quant Time: Jul 22 05:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	184421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	326377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	312483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109588	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	142560	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.52%		
35) Dibromofluoromethane	7.55	113	107087	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.90%		
50) Toluene-d8	10.06	98	415288	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.10%		
62) 4-Bromofluorobenzene	12.38	95	142596	45.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.18%		

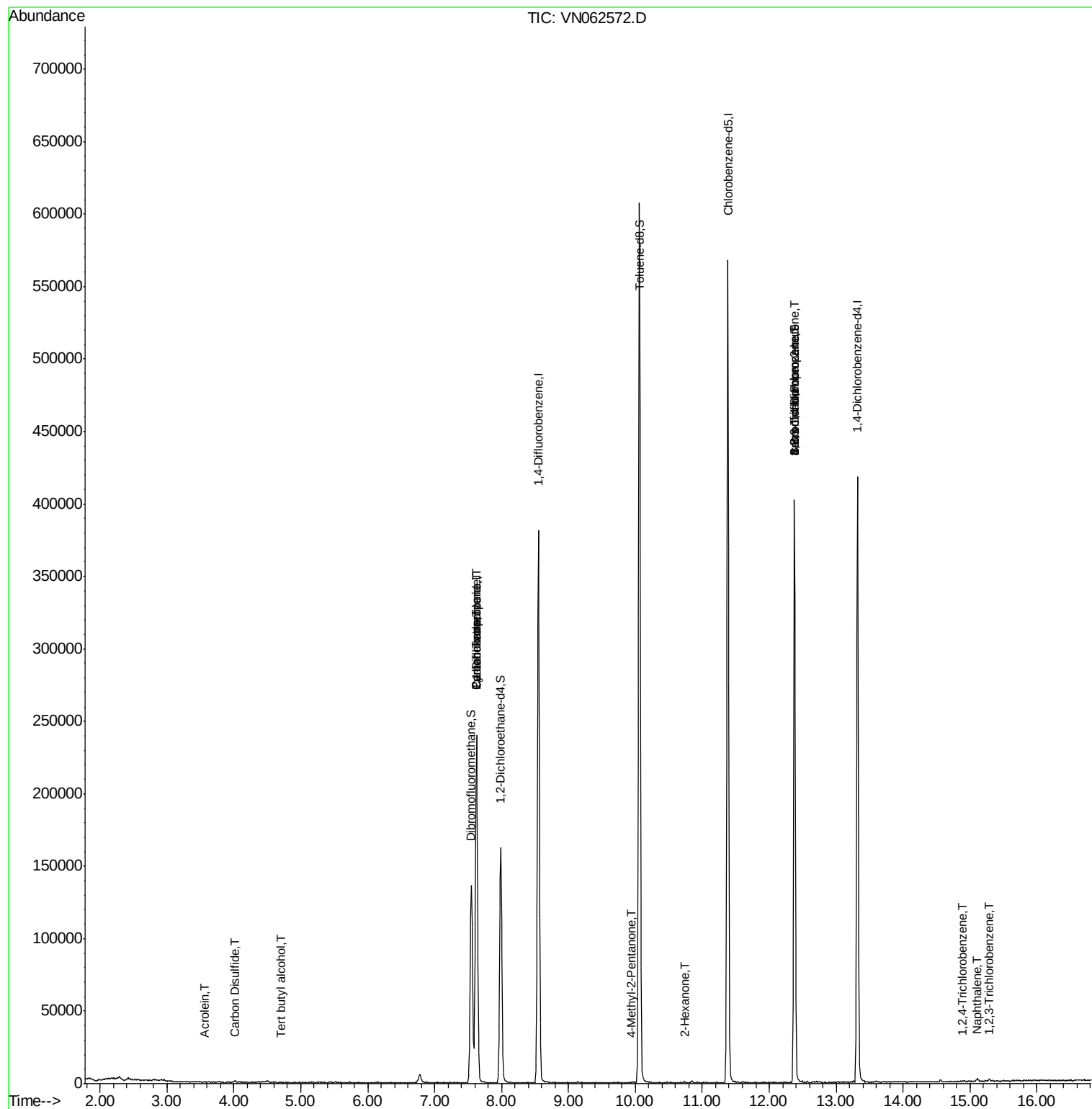
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	100	0.219	ug/l #	73
13) Acrolein	3.57	56	162	8.764	ug/l #	14
17) Carbon Disulfide	4.01	76	1824	0.281	ug/l #	75
31) Cyclohexane	7.63	56	4327	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	16339	4.697	ug/l #	50
38) Carbon Tetrachloride	7.63	117	18411	5.506	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	748	0.207	ug/l #	38
59) 2-Hexanone	10.73	43	516	3.141	ug/l #	56
71) Bromoform	12.38	173	540	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	76808	27.536	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76808	76.653	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	381	3.298	ug/l #	70
95) Naphthalene	15.11	128	2768	4.287	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.28	180	587	0.356	ug/l #	17

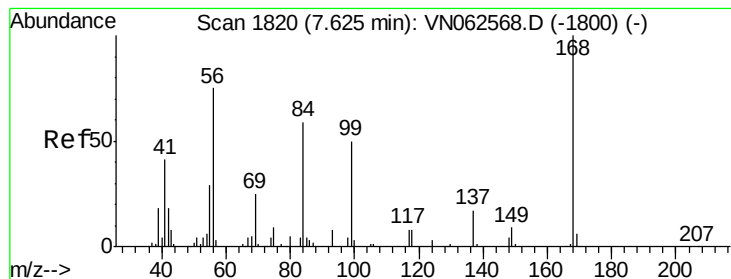
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

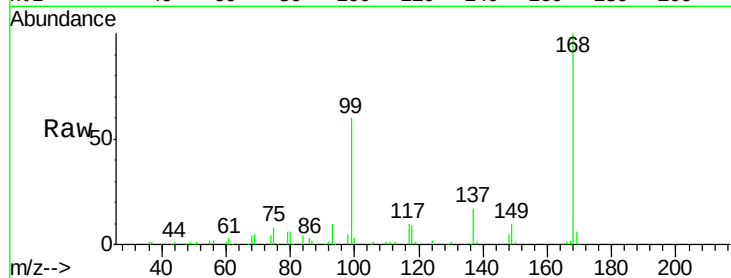
VN0721WBL01

Tot Ion:168 Resp: 184421

Ion Ratio Lower Upper

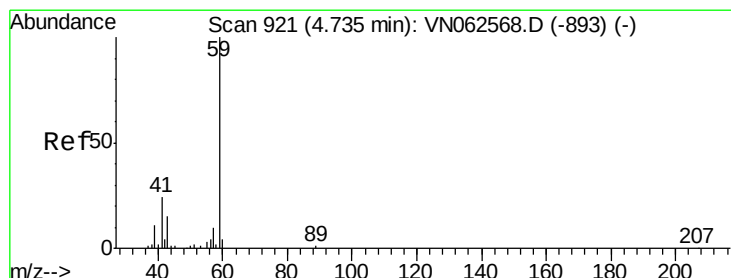
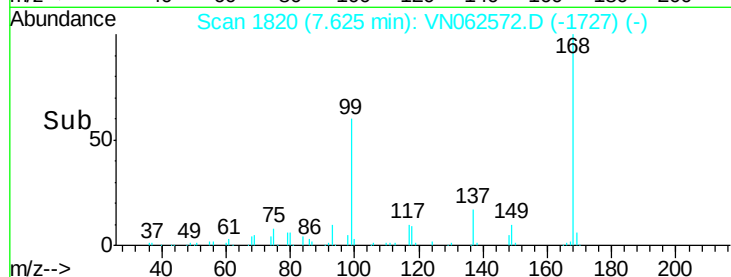
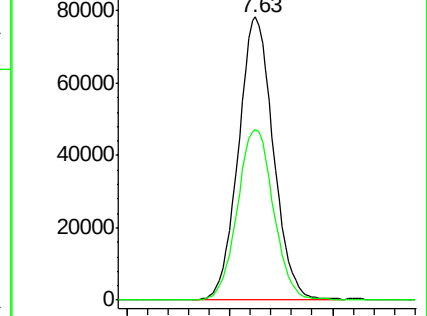
168 100

99 60.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.219 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN062572.D

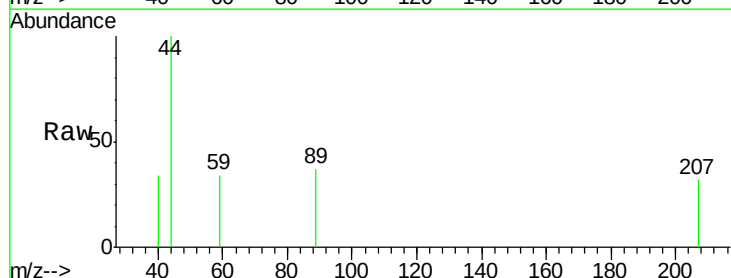
Acq: 21 Jul 2020 15:25

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

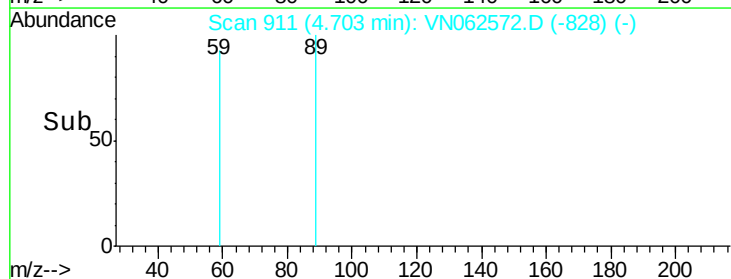
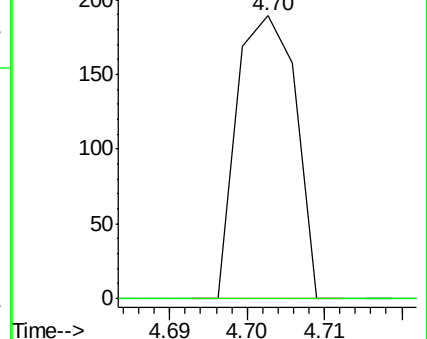
59 100

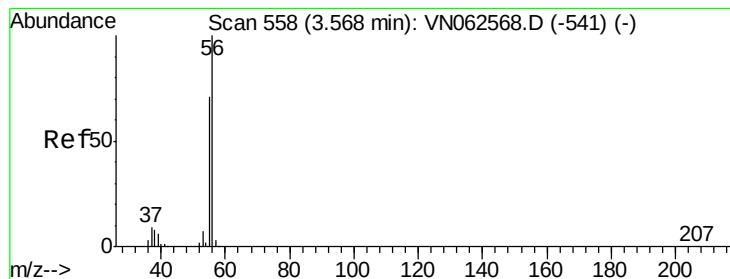
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 8.764 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

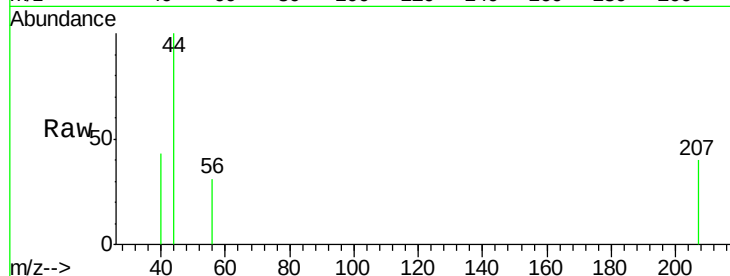
VN0721WBL01

Tot Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

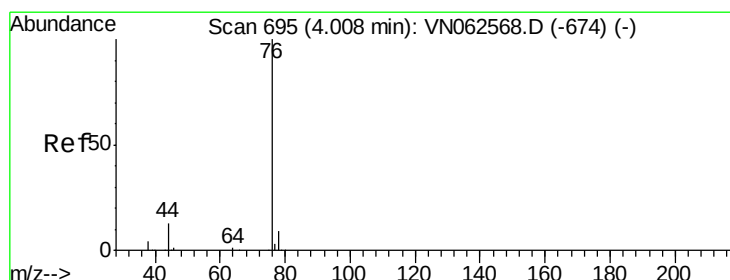
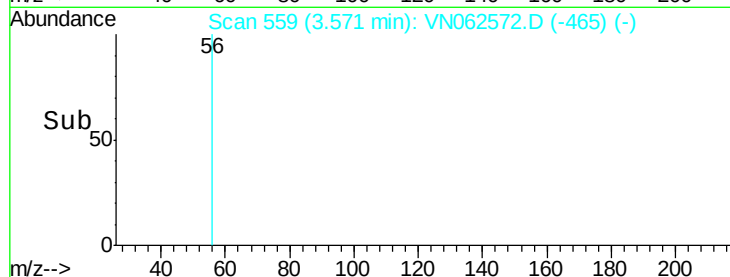
150

100

50

0

Time-->



#17

Carbon Disulfide

Concen: 0.281 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062572.D

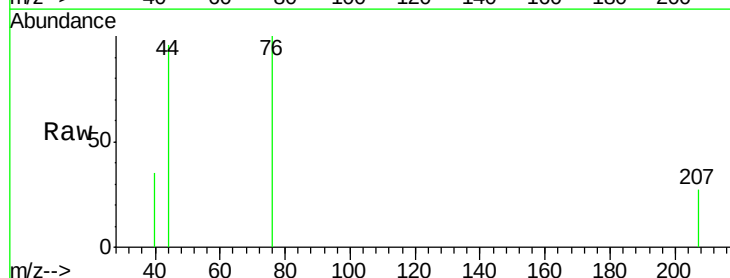
Acq: 21 Jul 2020 15:25

Tgt Ion: 76 Resp: 1824

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

800

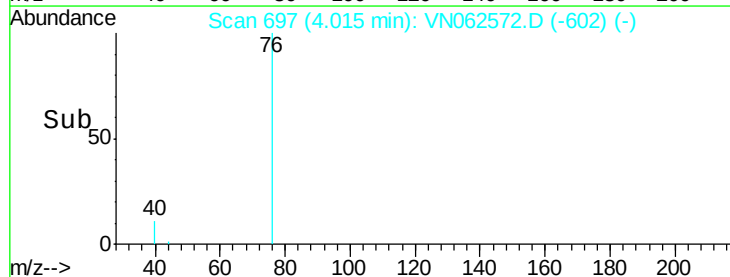
600

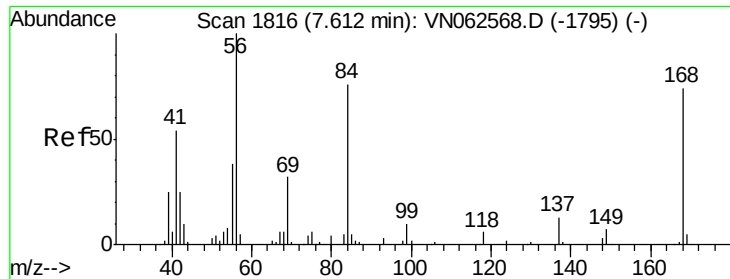
400

200

0

Time-->

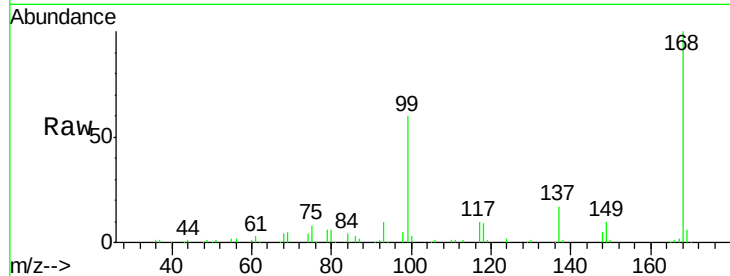




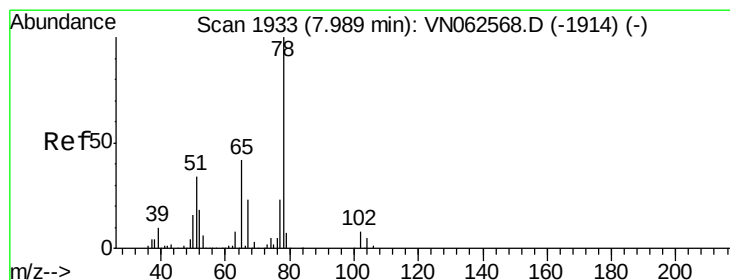
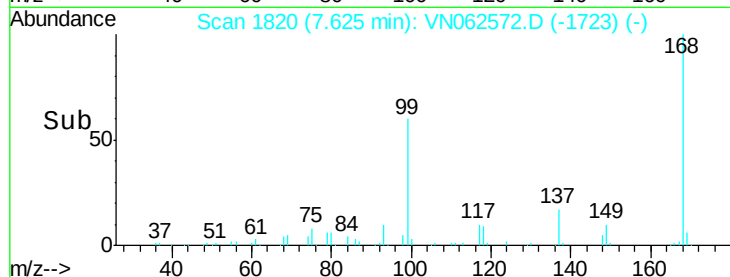
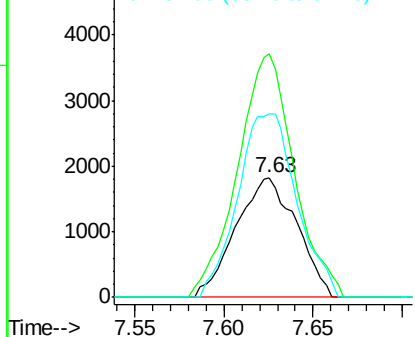
#31
Cyclohexane
Concen: 1.025 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062572.D
Acq: 21 Jul 2020 15:25

Instrument :
MSVOA_N
ClientSampled :
VN0721WBL01

Tot Ion: 56 Resp: 4327
Ion Ratio Lower Upper
56 100
69 202.7 25.3 37.9#
84 152.8 61.0 91.4#

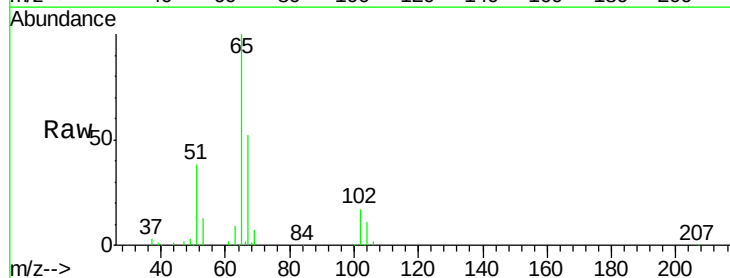


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

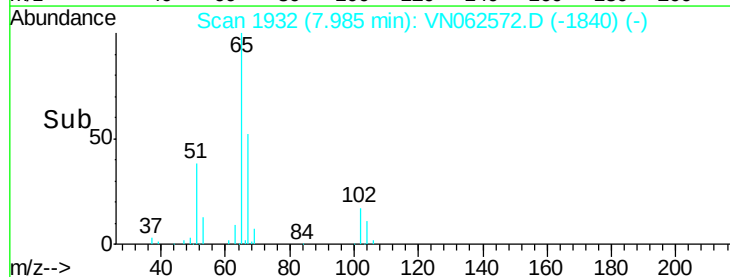
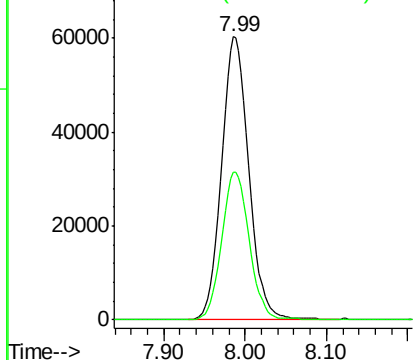


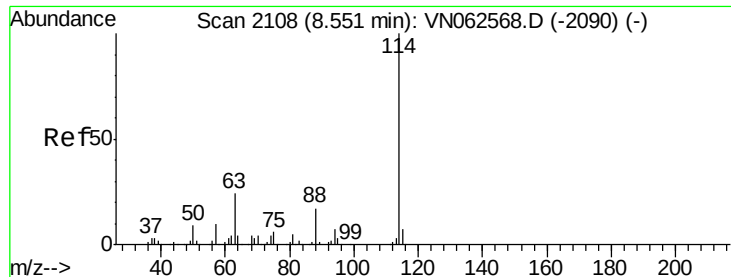
#33
1,2-Dichloroethane-d4
Concen: 49.761 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062572.D
Acq: 21 Jul 2020 15:25

Tgt Ion: 65 Resp: 142560
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

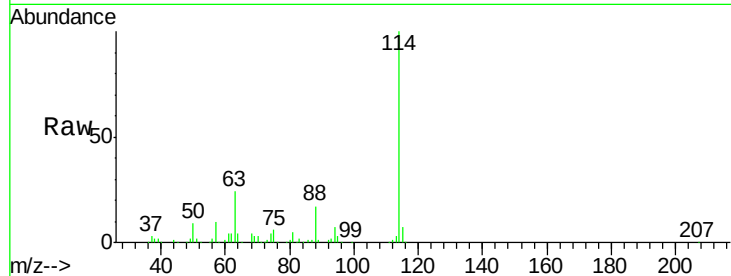




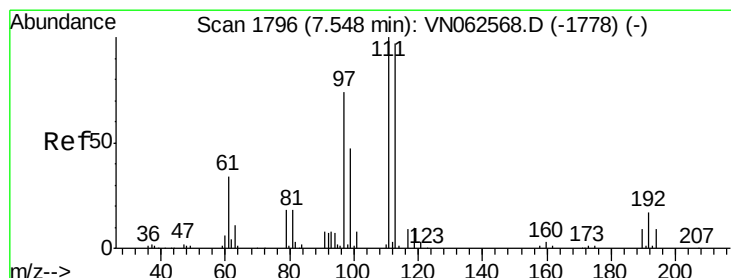
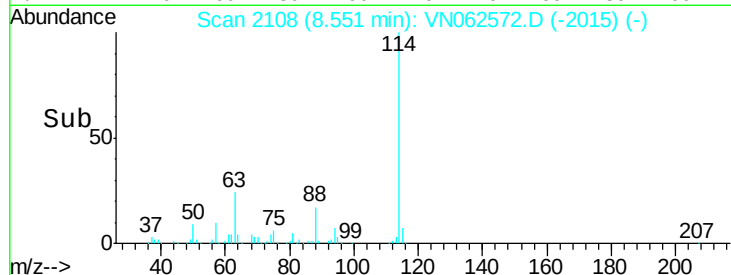
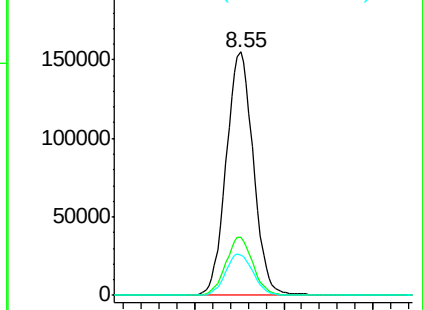
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062572.D
 Acq: 21 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	48.4
88	16.6	0.0	33.8

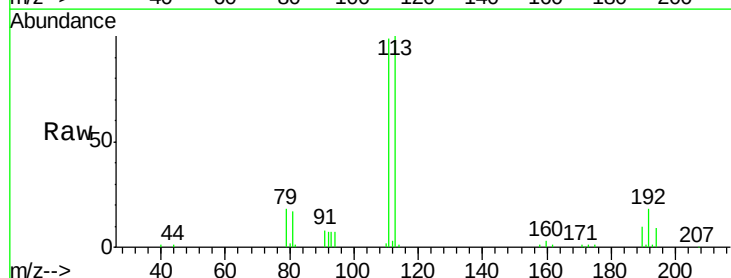


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

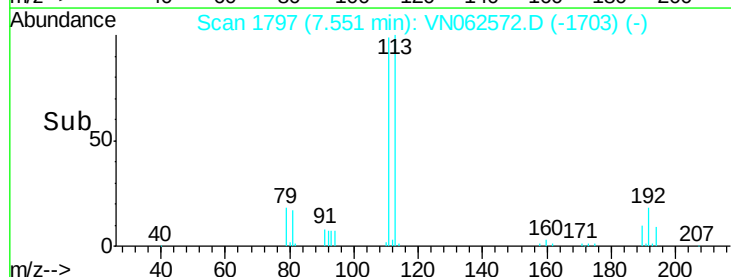
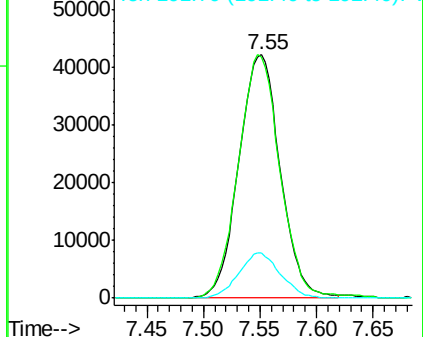


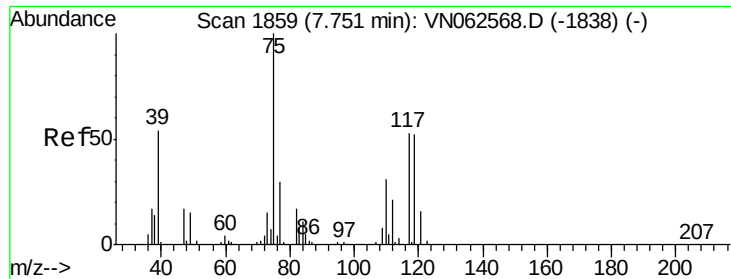
#35
 Dibromofluoromethane
 Concen: 49.951 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062572.D
 Acq: 21 Jul 2020 15:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.7	124.1
192	18.7	14.8	22.2



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: 4.697 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

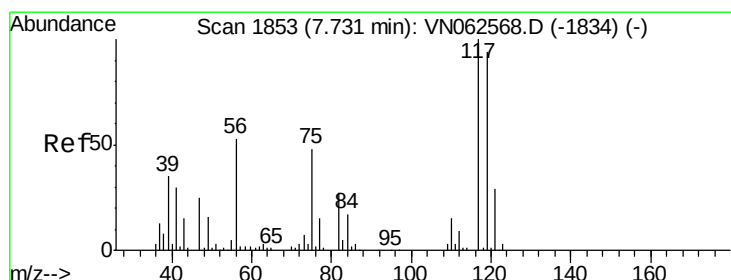
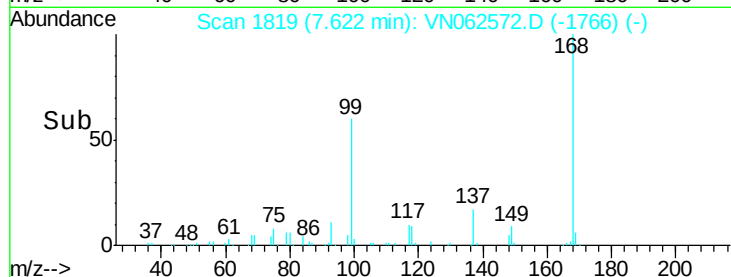
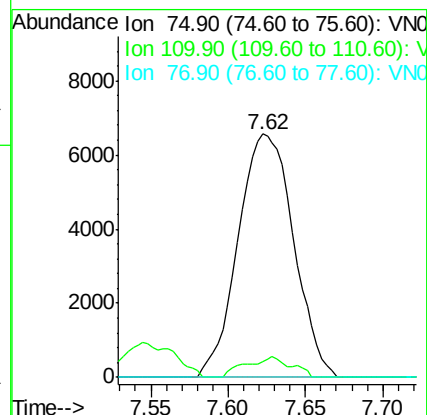
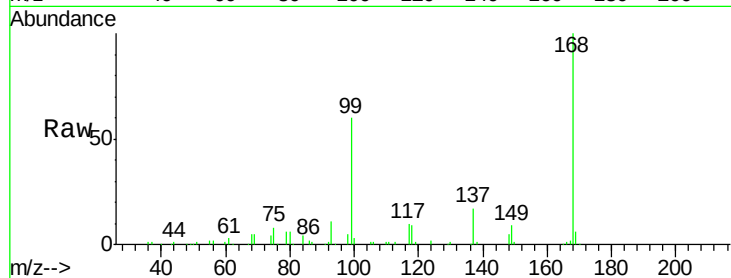
Tot Ion: 75 Resp: 16339

Ion Ratio Lower Upper

75 100

110 6.9 16.0 48.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.506 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

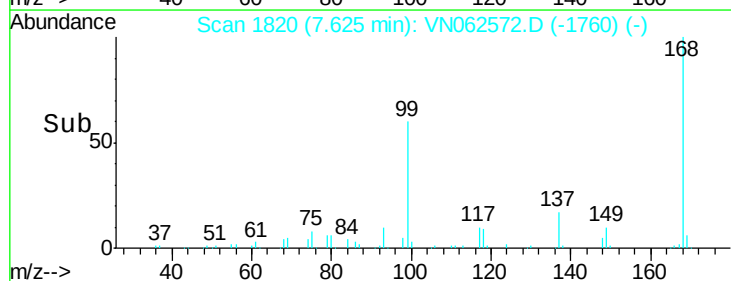
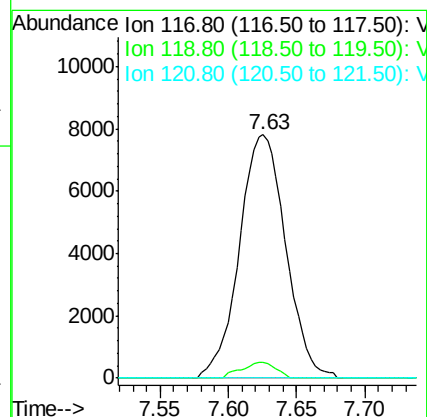
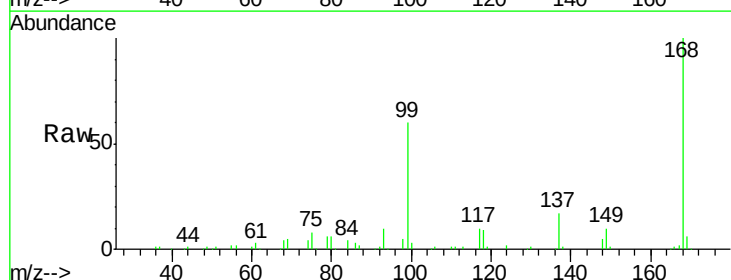
Tgt Ion: 117 Resp: 18411

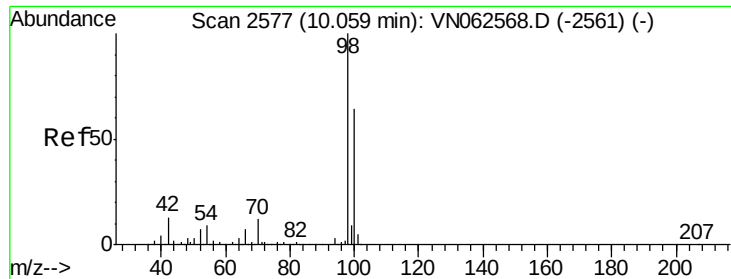
Ion Ratio Lower Upper

117 100

119 6.3 74.8 112.2#

121 0.0 23.0 34.6#





#50

Toluene-d8

Concen: 48.550 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

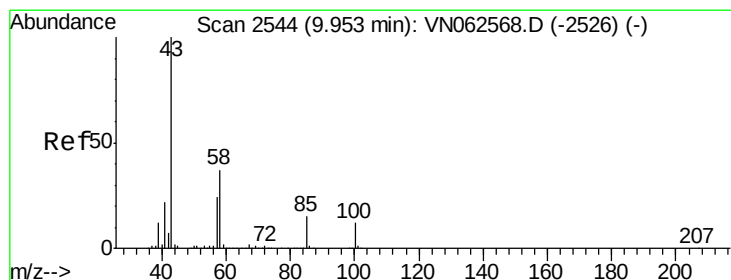
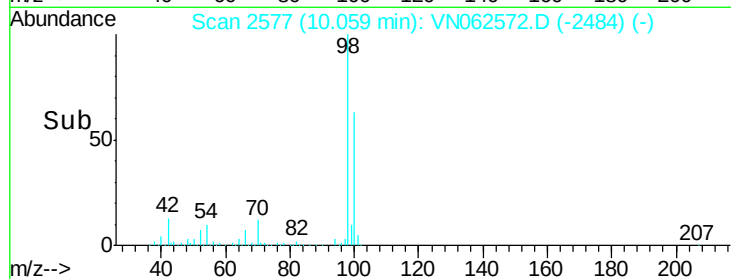
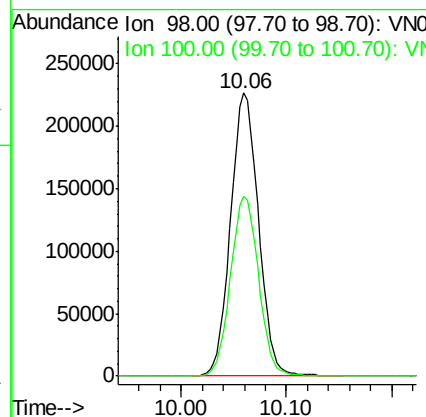
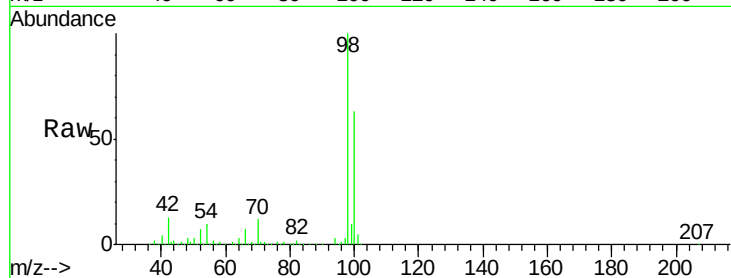
VN0721WBL01

Tot Ion: 98 Resp: 415288

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062572.D

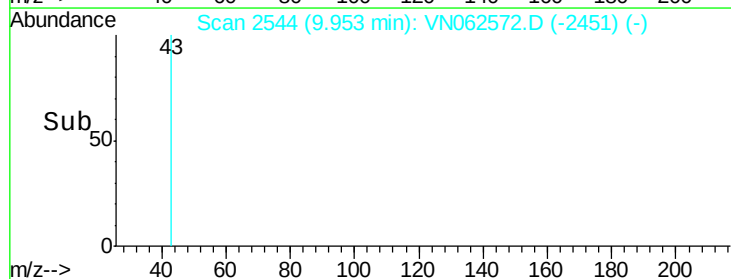
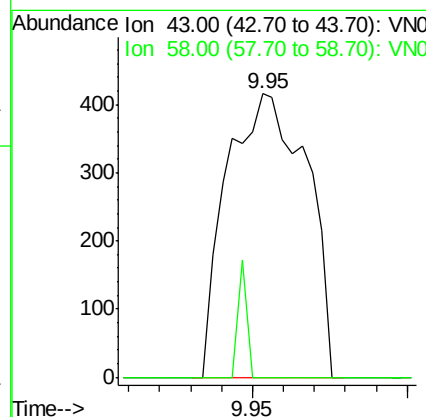
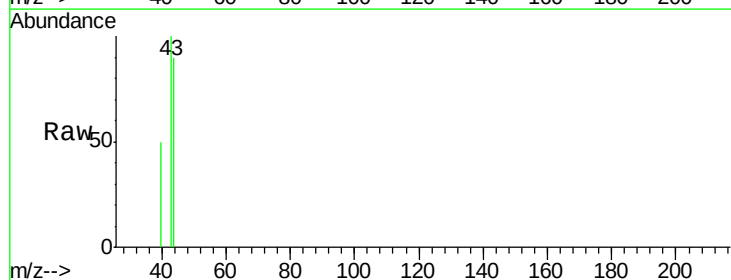
Acq: 21 Jul 2020 15:25

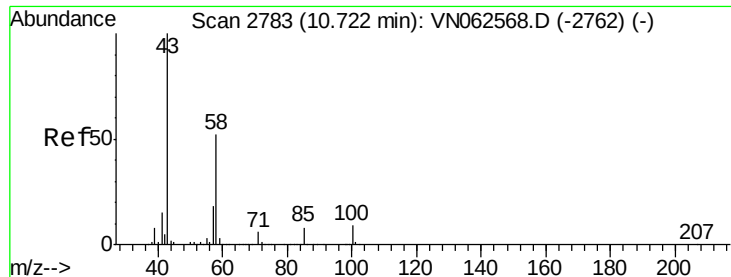
Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#





#59

2-Hexanone

Concen: 3.141 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

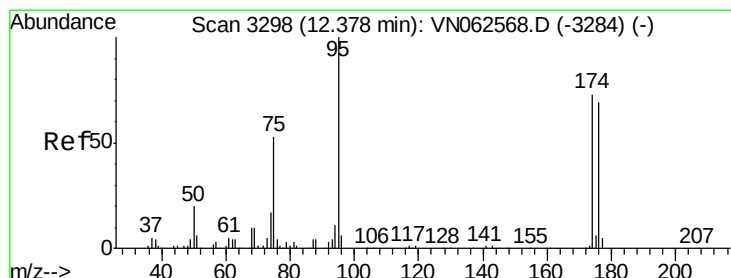
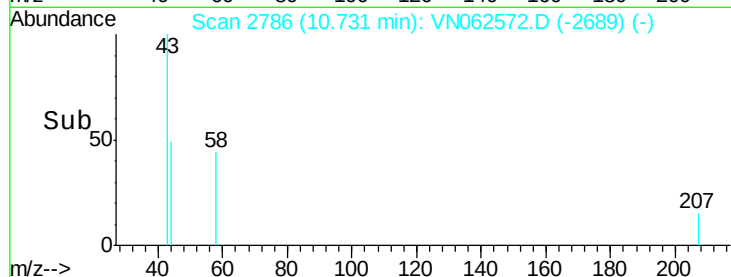
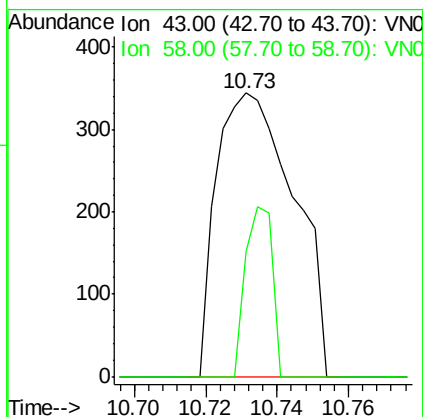
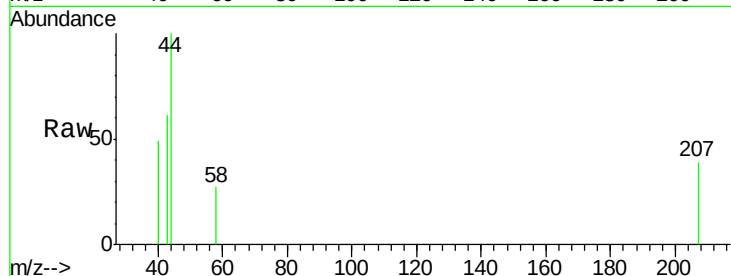
VN0721WBL01

Tot Ion: 43 Resp: 516

Ion Ratio Lower Upper

43 100

58 20.7 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 45.593 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

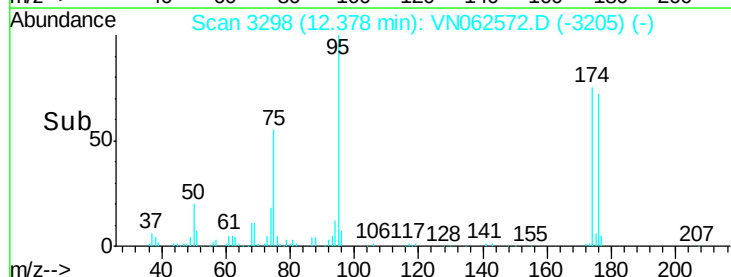
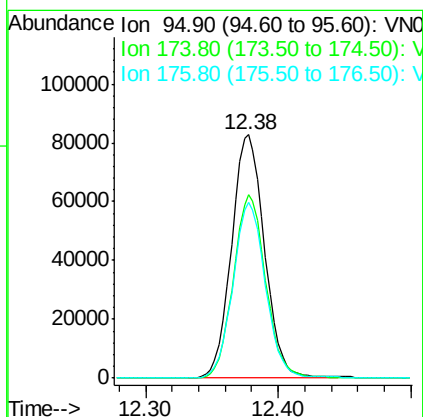
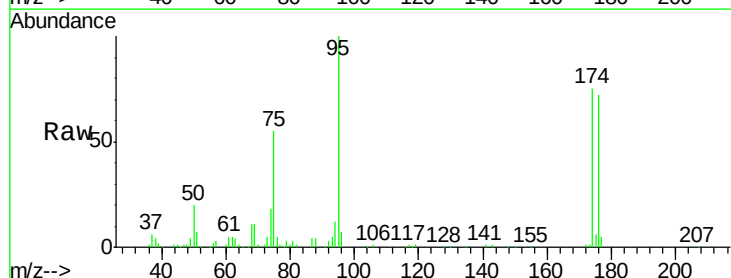
Tgt Ion: 95 Resp: 142596

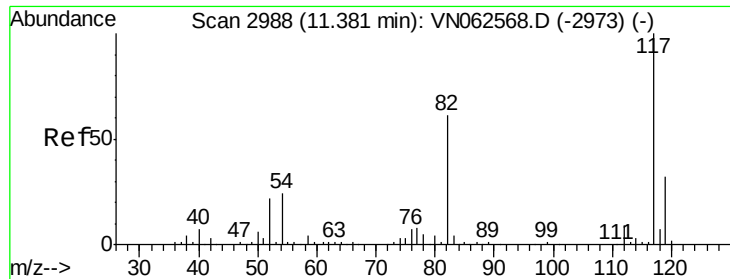
Ion Ratio Lower Upper

95 100

174 74.1 0.0 144.6

176 70.9 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

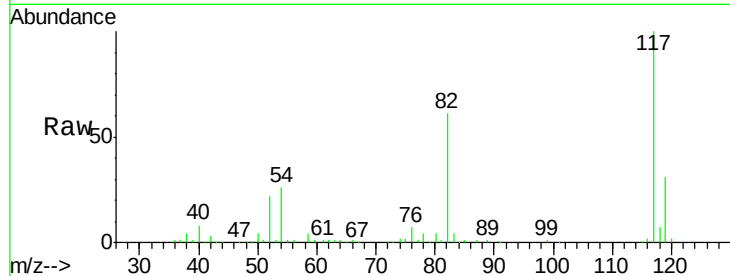
Tot Ion:117 Resp: 312483

Ion Ratio Lower Upper

117 100

82 61.5 49.0 73.6

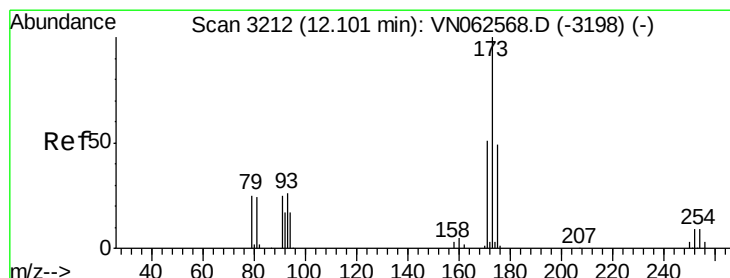
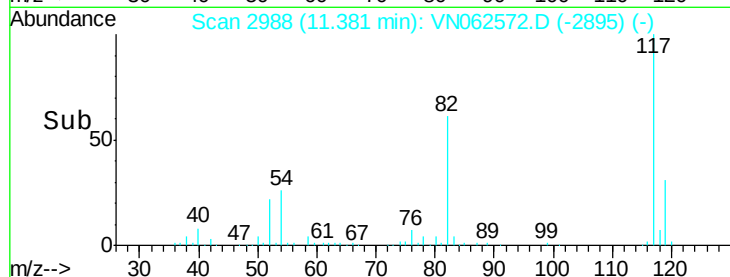
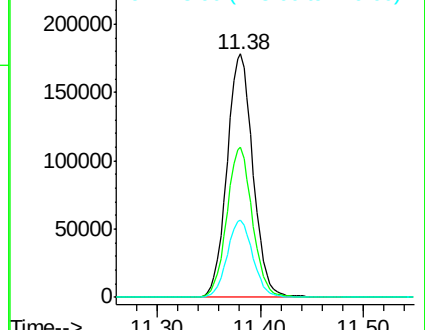
119 31.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.292 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

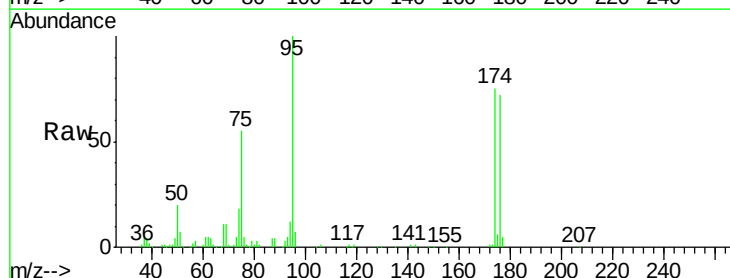
Tgt Ion:173 Resp: 540

Ion Ratio Lower Upper

173 100

175 1217.0 24.1 72.2#

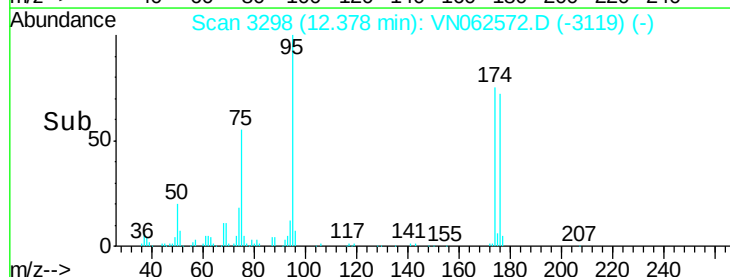
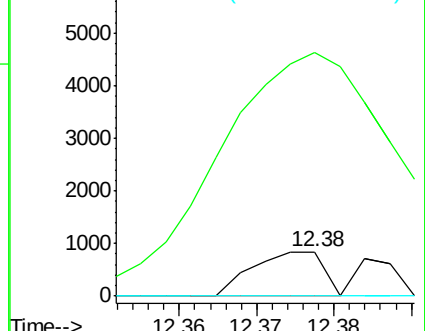
254 0.0 0.0 0.0

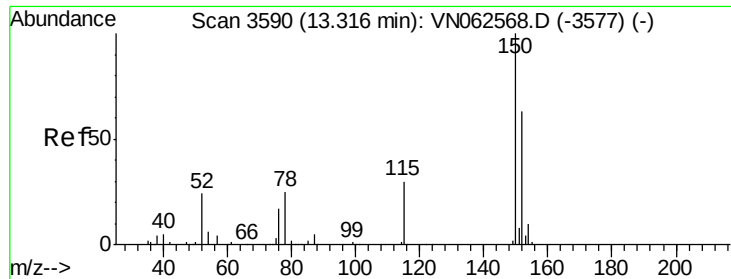


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

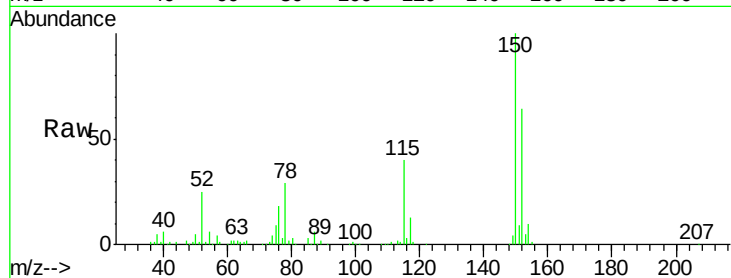




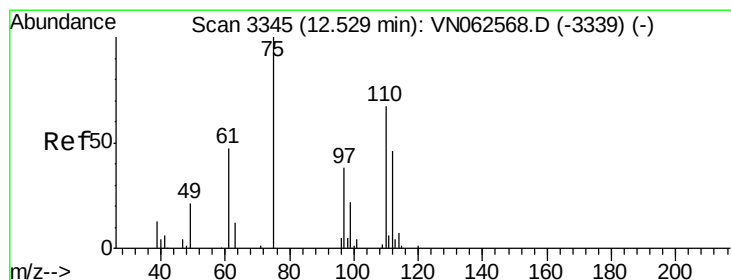
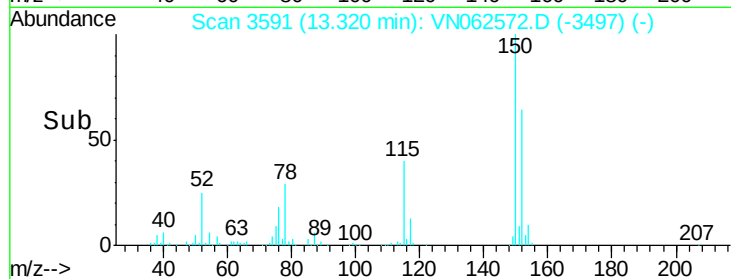
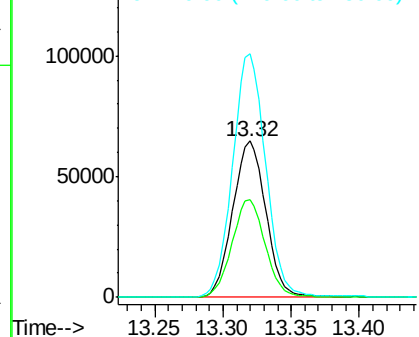
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062572.D
 Acq: 21 Jul 2020 15:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0721WBL01

Tot Ion:152 Resp: 109588
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.8 95.4
 150 155.2 0.0 351.4

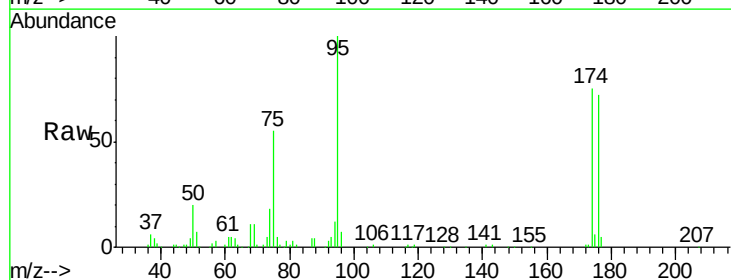


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

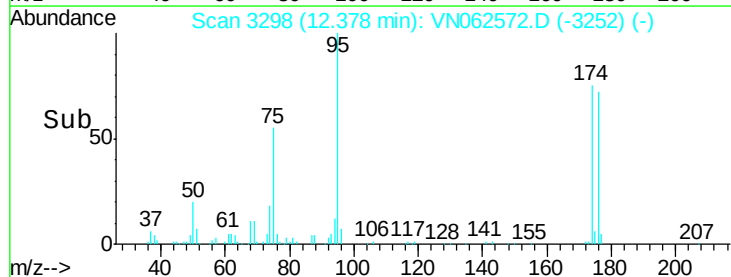
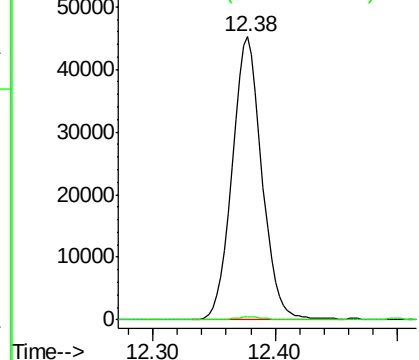


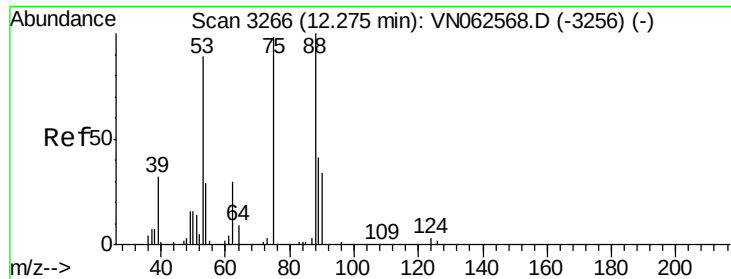
#76
 1,2,3-Trichloropropane
 Concen: 27.536 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062572.D
 Acq: 21 Jul 2020 15:25

Tgt Ion: 75 Resp: 76808
 Ion Ratio Lower Upper
 75 100
 77 1.0 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: 76.653 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

VN0721WBL01

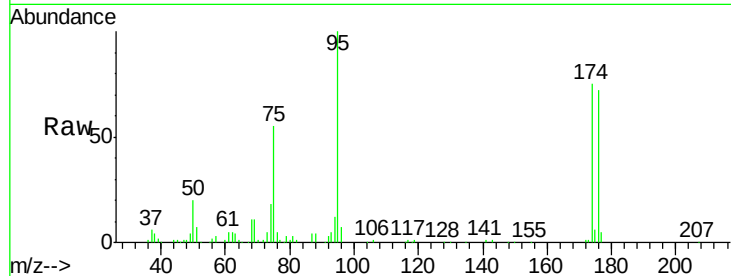
Tot Ion: 75 Resp: 76808

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

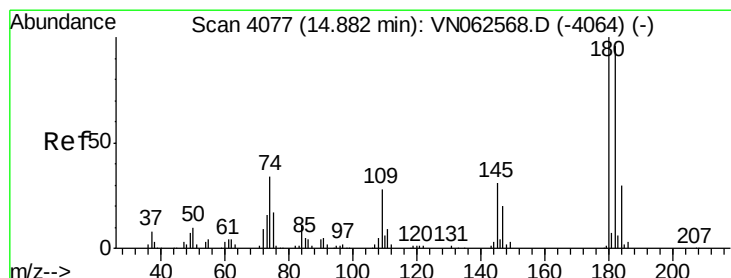
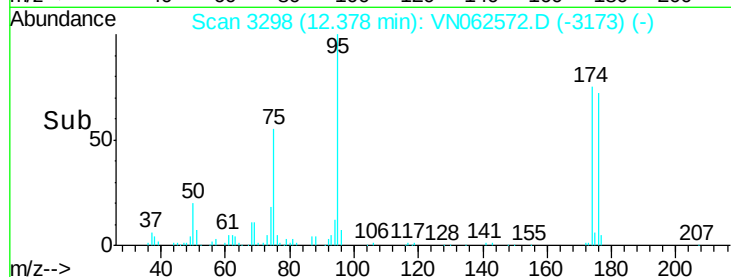
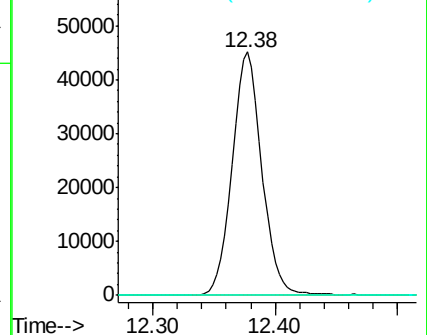
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062572.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062572.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062572.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.298 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

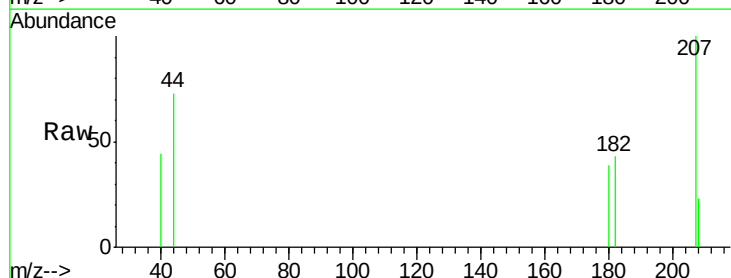
Tgt Ion: 180 Resp: 381

Ion Ratio Lower Upper

180 100

182 74.8 47.8 143.3

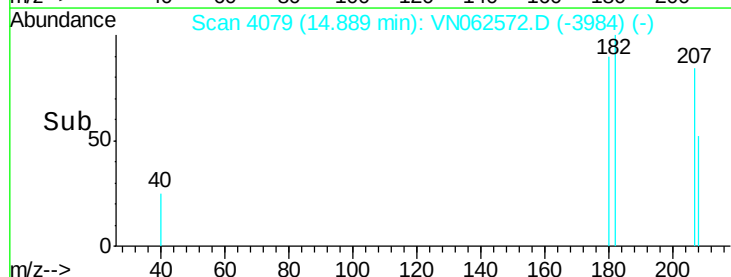
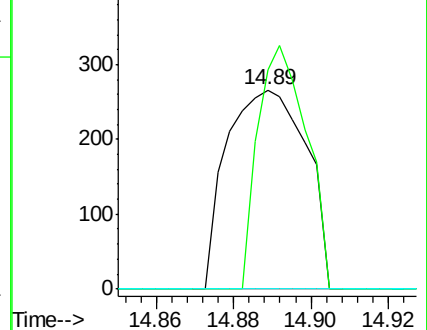
145 0.0 15.3 45.9#

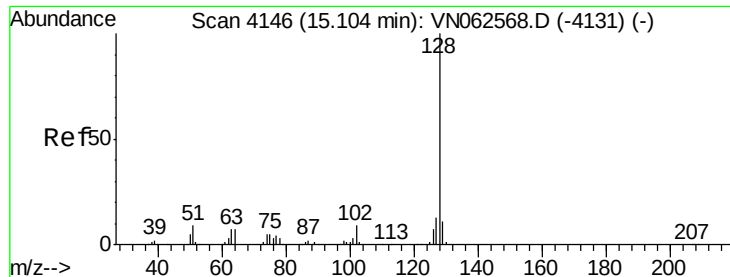


Abundance Ion 179.80 (179.50 to 180.50): VN062572.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062572.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062572.D (-3984) (-)





#95

Naphthalene

Concen: 4.287 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

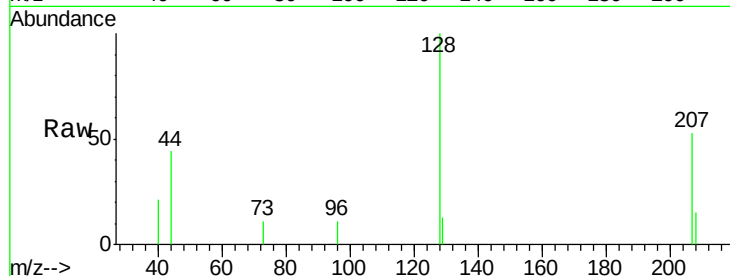
Tot Ion:128 Resp: 2768

Ion Ratio Lower Upper

128 100

127 3.6 10.4 15.6#

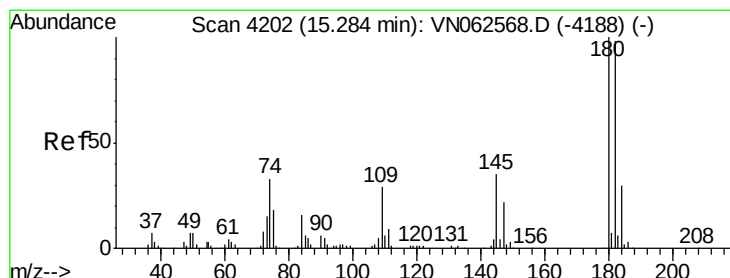
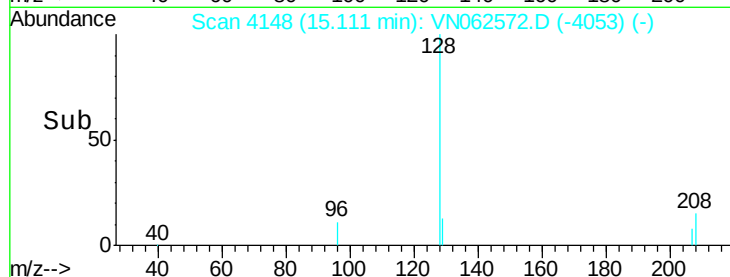
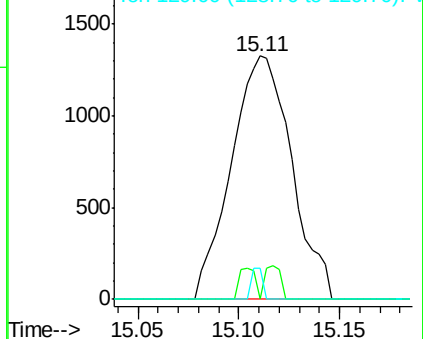
129 2.4 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.356 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN062572.D

Acq: 21 Jul 2020 15:25

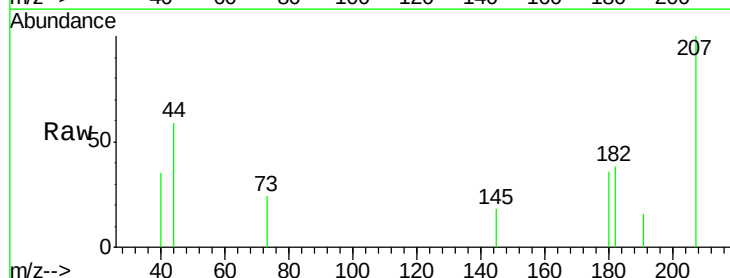
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 10.7 16.7 50.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

