

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063506.D
 Acq On : 22 Sep 2020 00:29
 Operator : JC/MD
 Sample : L4082-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200915

Quant Time: Sep 22 04:59:26 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	7.63	168	222731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	173400	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	175583	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
35) Dibromofluoromethane	7.55	113	131749	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	10.06	98	520915	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.38	95	202505	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	

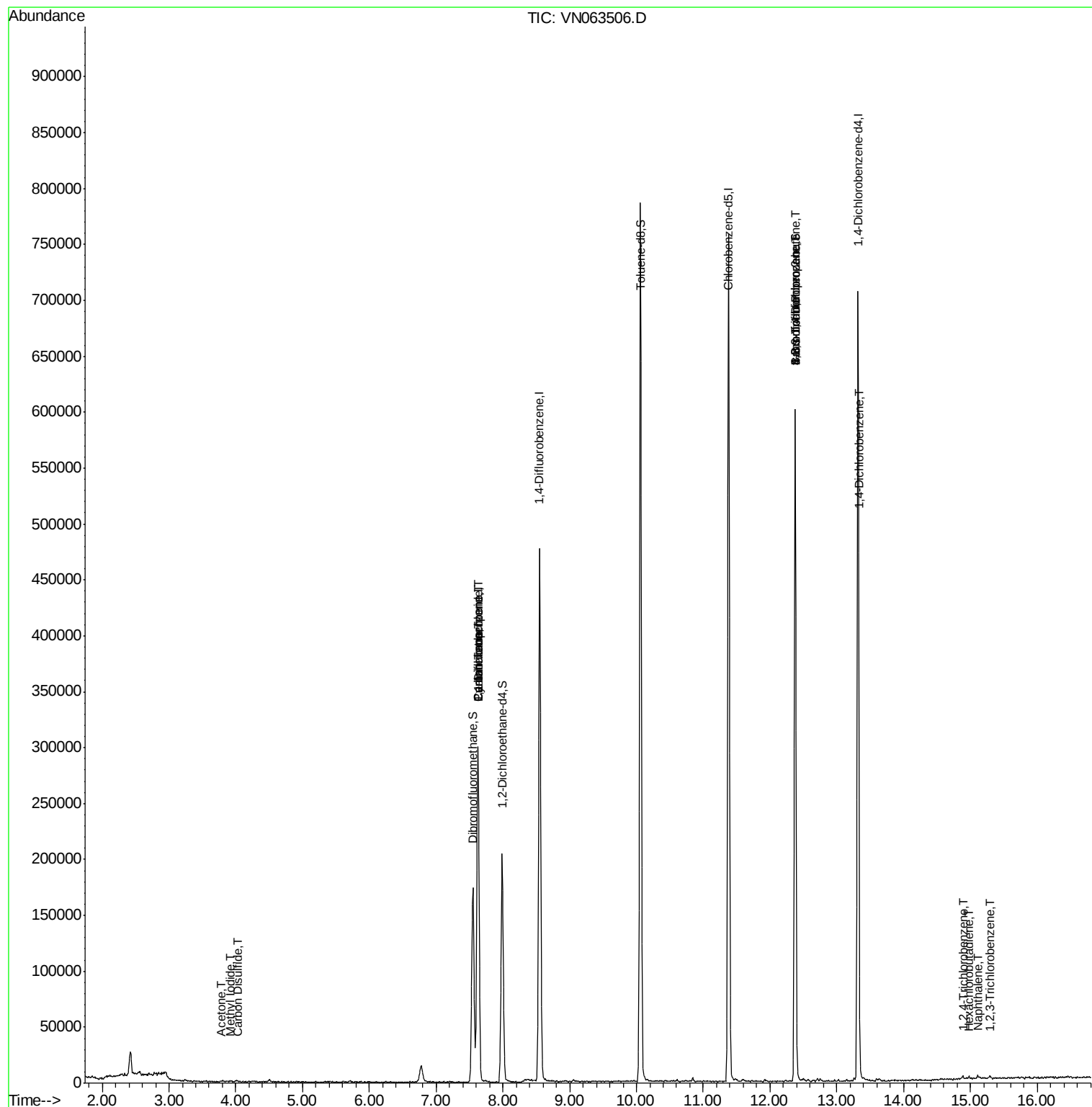
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.92	142	1109	0.343	ug/l #	71
16) Acetone	3.78	43	250	0.205	ug/l #	47
17) Carbon Disulfide	4.02	76	2137	0.292	ug/l #	75
31) Cyclohexane	7.62	56	6682	1.276	ug/l #	41
36) 1,1-Dichloropropene	7.63	75	19806	4.575	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24883	5.630	ug/l #	17
71) Bromoform	12.38	173	1857	0.811	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	112892	26.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112892	72.114	ug/l #	7
88) 1,4-Dichlorobenzene	13.34	146	1219	0.207	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.89	180	804	0.240	ug/l	83
94) Hexachlorobutadiene	14.98	225	552	0.398	ug/l	74
95) Naphthalene	15.11	128	3003	0.271	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.29	180	966	0.298	ug/l #	51

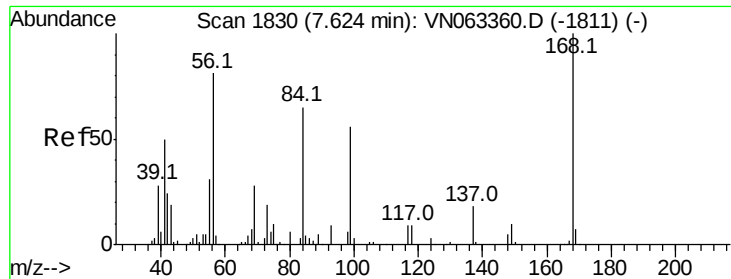
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

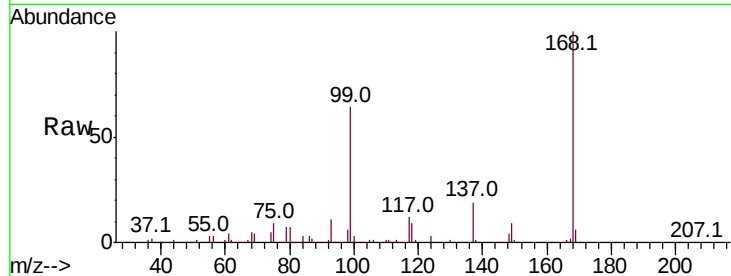
TB01-20200915

Tot Ion:168 Resp: 222731

Ion Ratio Lower Upper

168 100

99 64.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

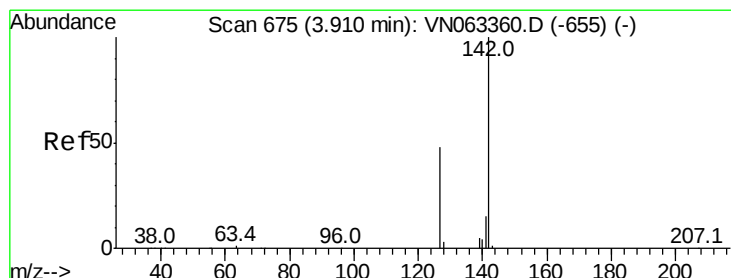
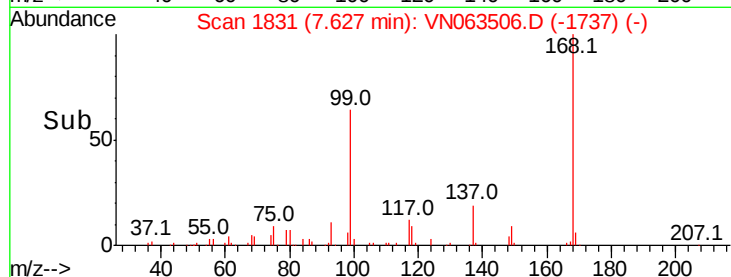
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#10

Methyl Iodide

Concen: 0.343 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

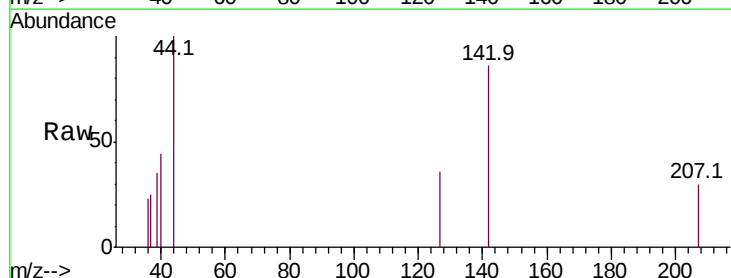
Tgt Ion:142 Resp: 1109

Ion Ratio Lower Upper

142 100

127 30.2 39.0 58.6#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.92

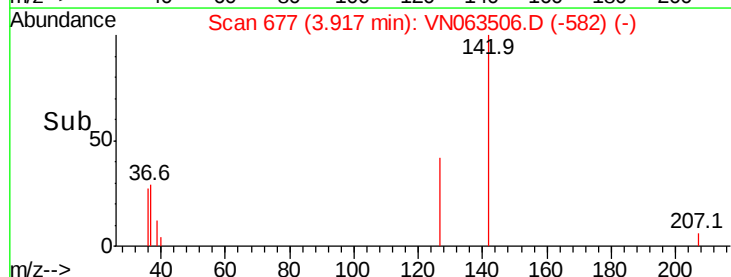
600

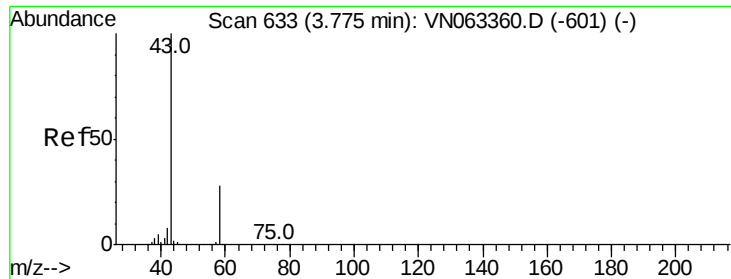
400

200

0

Time--> 3.90 3.95





#16

Acetone

Concen: 0.205 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

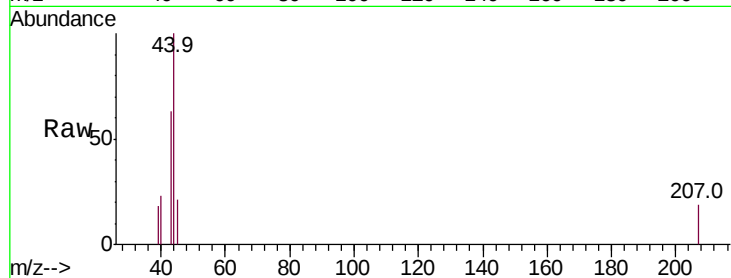
TB01-20200915

Tot Ion: 43 Resp: 250

Ion Ratio Lower Upper

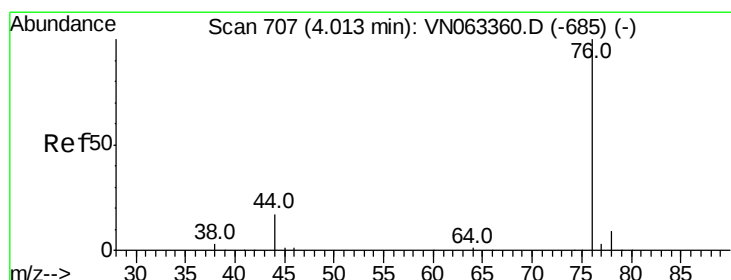
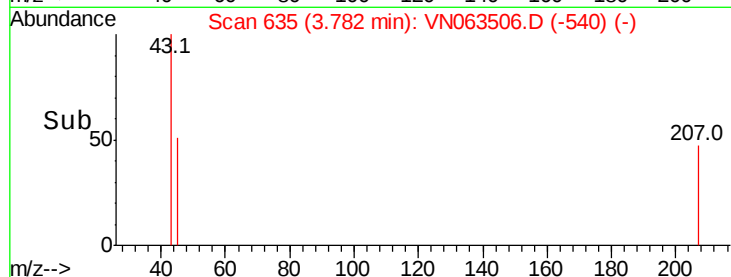
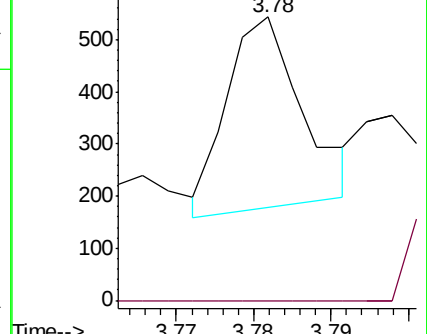
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.292 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063506.D

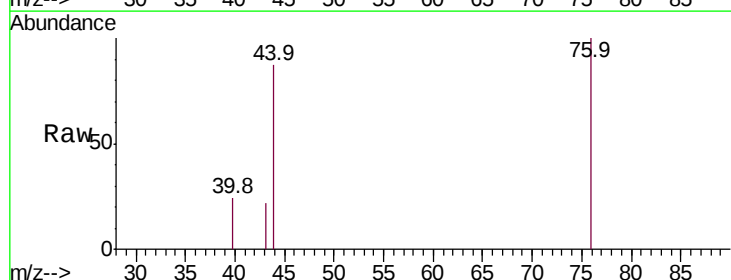
Acq: 22 Sep 2020 00:29

Tgt Ion: 76 Resp: 2137

Ion Ratio Lower Upper

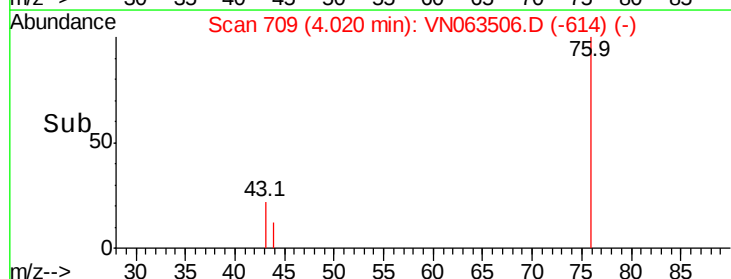
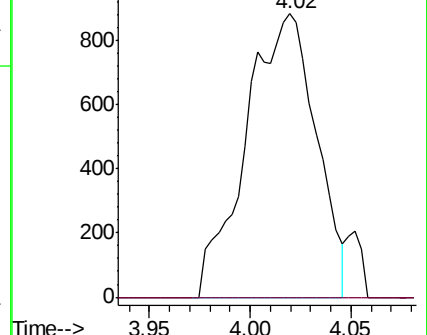
76 100

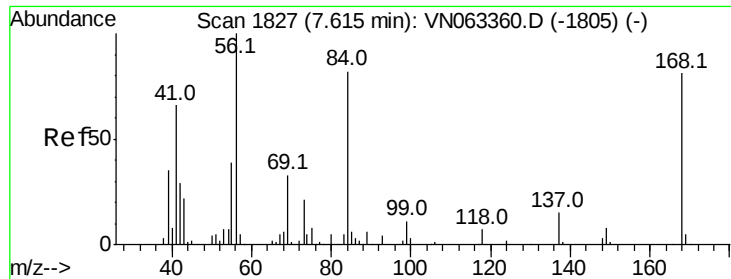
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

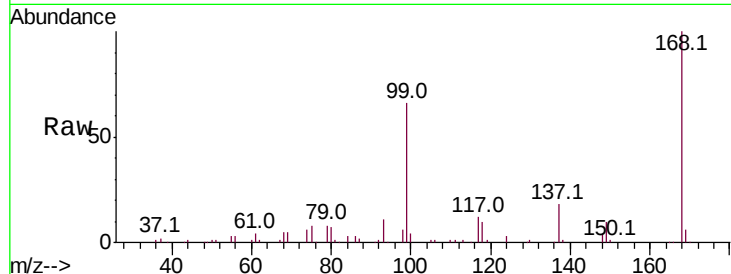




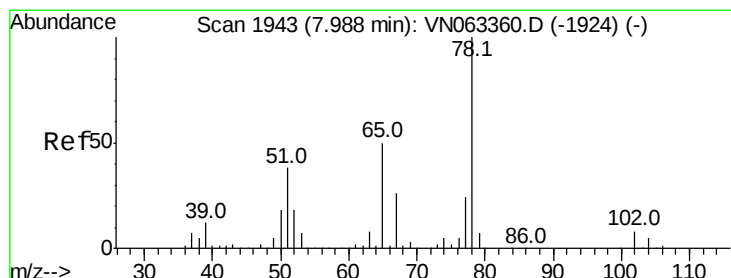
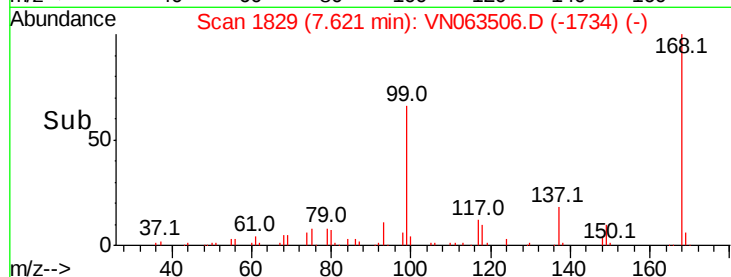
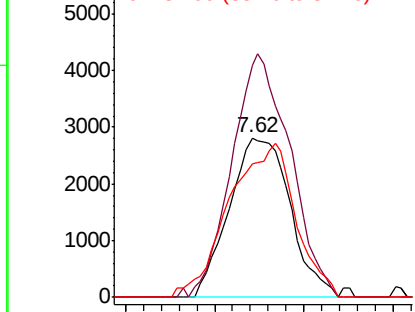
#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063506.D
Acq: 22 Sep 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
TB01-20200915

Tot Ion: 56 Resp: 6682
Ion Ratio Lower Upper
56 100
69 145.3 26.1 39.1#
84 83.6 65.4 98.2

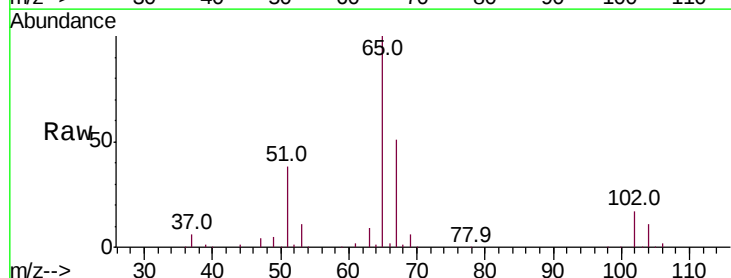


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

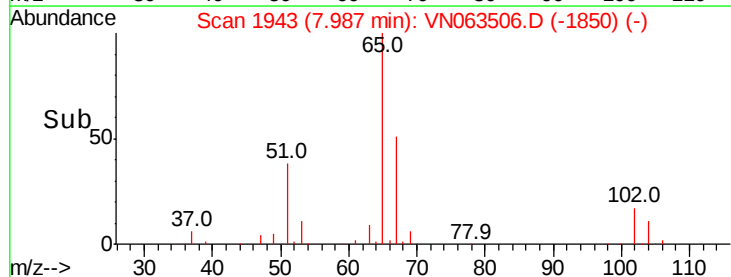
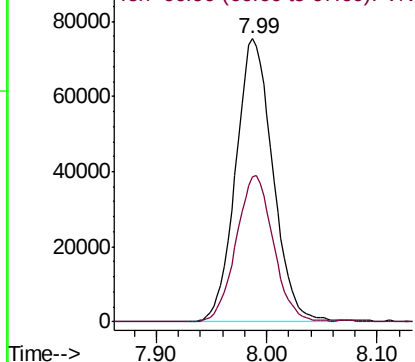


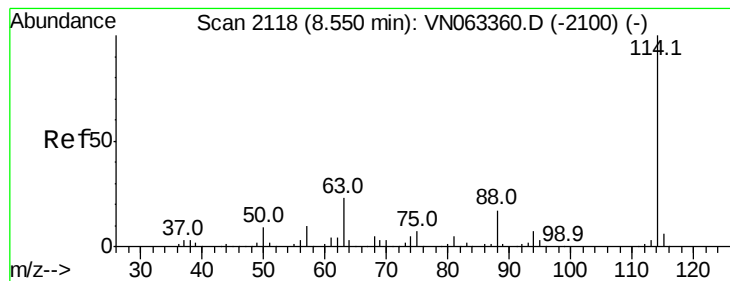
#33
1,2-Dichloroethane-d4
Concen: 46.310 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063506.D
Acq: 22 Sep 2020 00:29

Tgt Ion: 65 Resp: 175583
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.2



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# 2118

Delta R.T. -0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200915

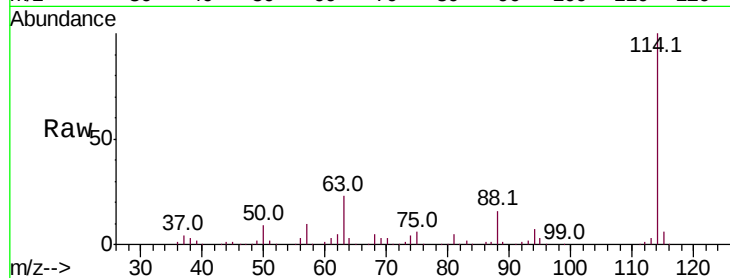
Tot Ion:114 Resp: 406386

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

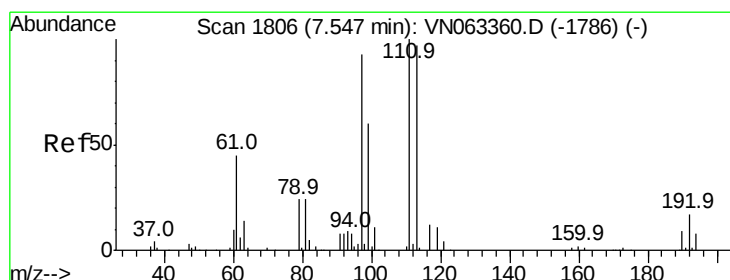
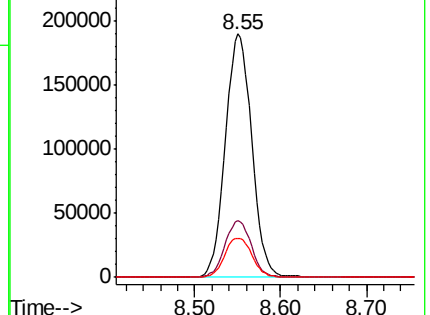
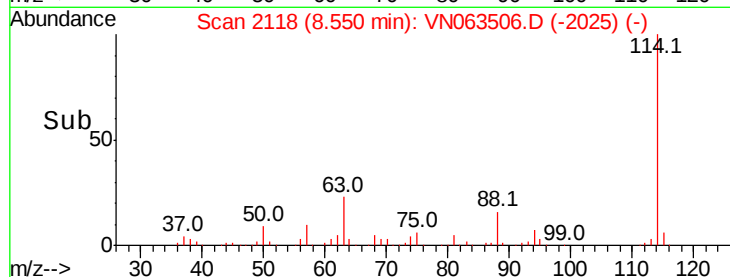
88 16.2 0.0 33.2



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: 46.830 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

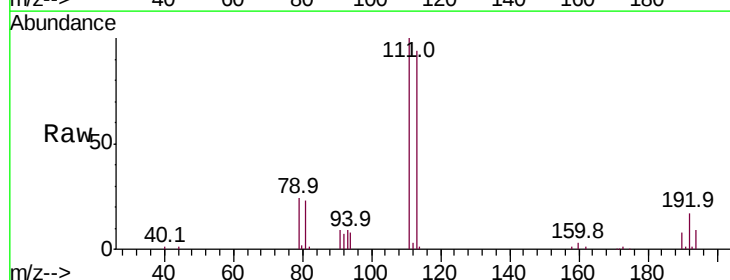
Tgt Ion:113 Resp: 131749

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

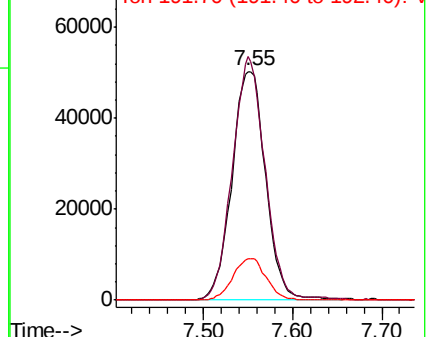
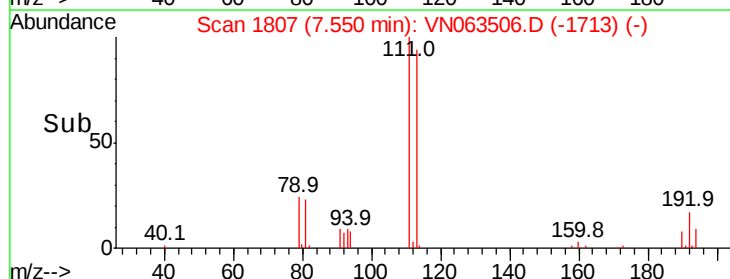
192 17.9 13.9 20.9

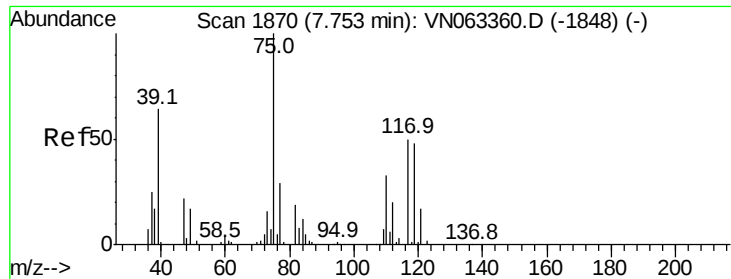


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

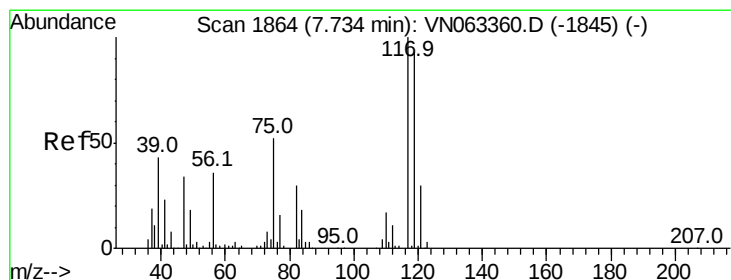
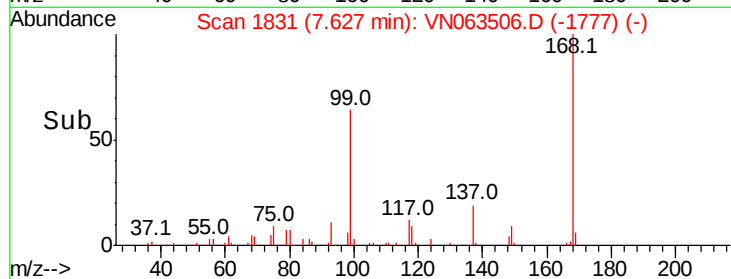
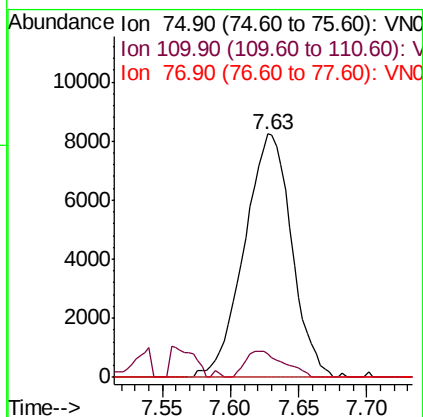
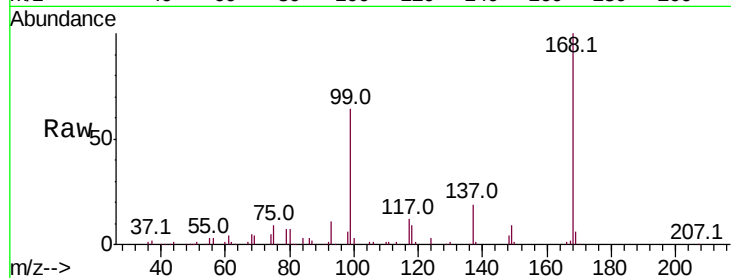




#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063506.D
 Acq: 22 Sep 2020 00:29

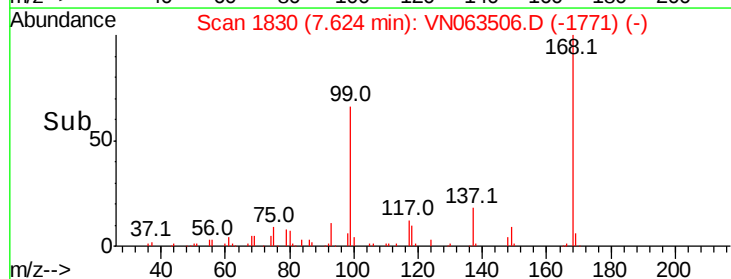
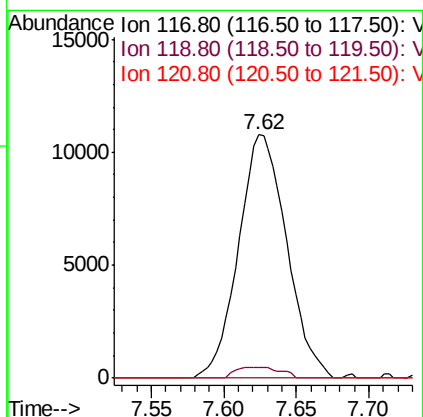
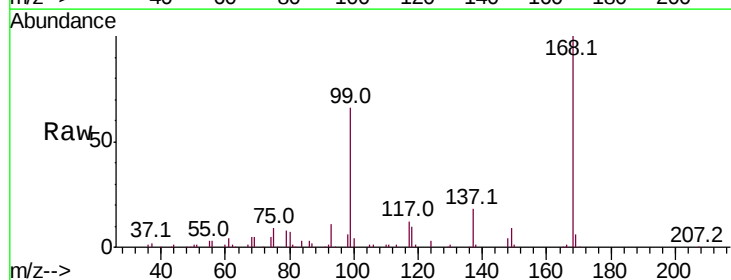
Instrument :
 MSVOA_N
 ClientSampleID :
 TB01-20200915

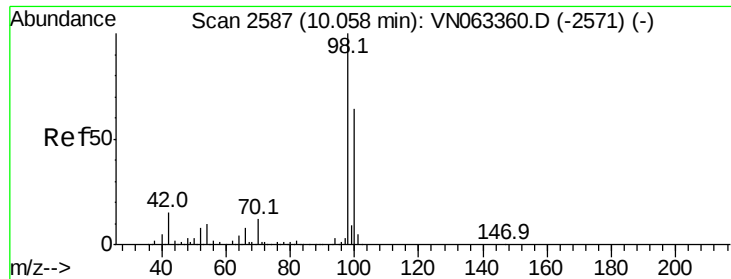
Tot Ion: 75 Resp: 19806
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.5 49.5#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.630 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063506.D
 Acq: 22 Sep 2020 00:29

Tgt Ion: 117 Resp: 24883
 Ion Ratio Lower Upper
 117 100
 119 4.3 74.5 111.7#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 49.242 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

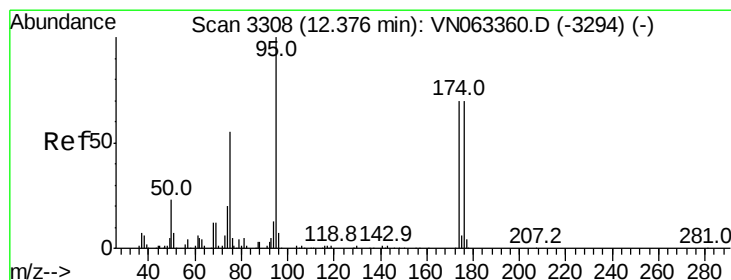
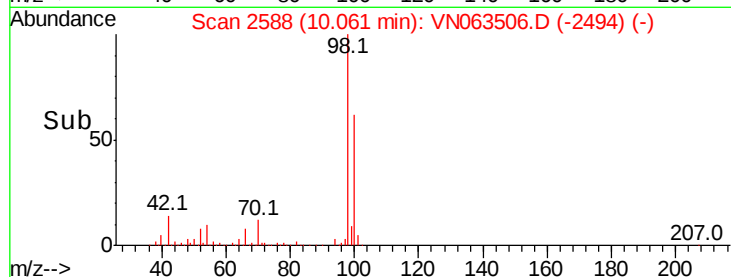
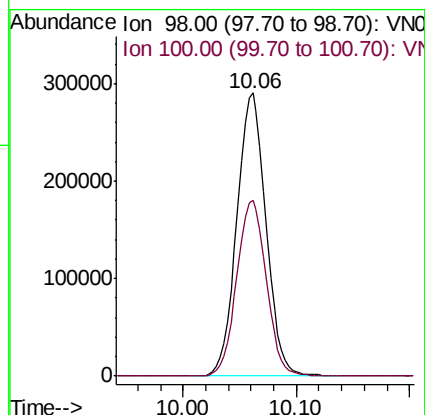
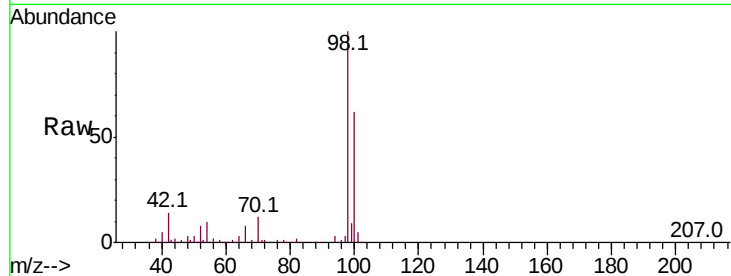
TB01-20200915

Tot Ion: 98 Resp: 520915

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.220 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

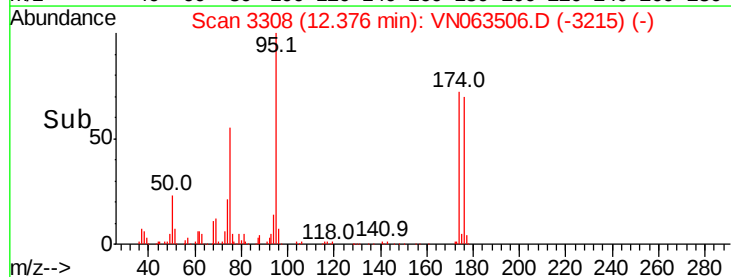
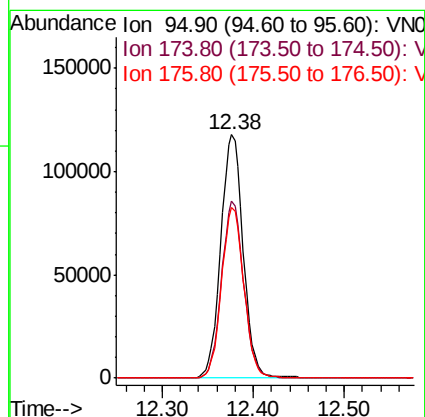
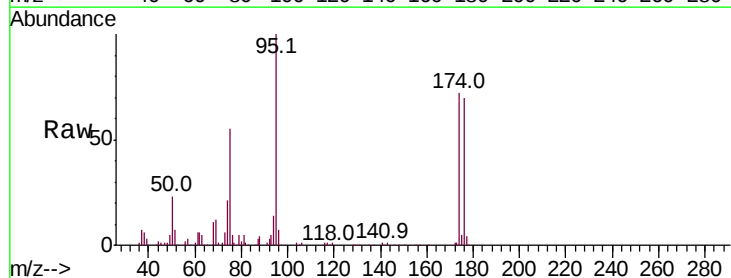
Tgt Ion: 95 Resp: 202505

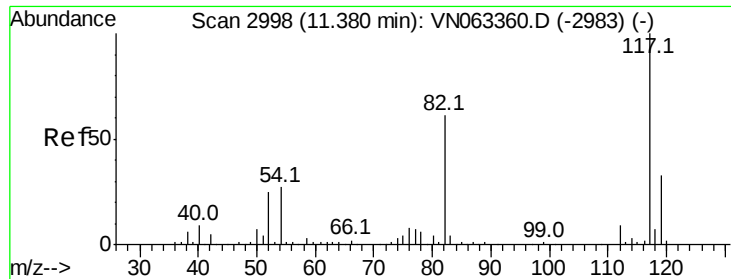
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

176 69.4 0.0 137.6

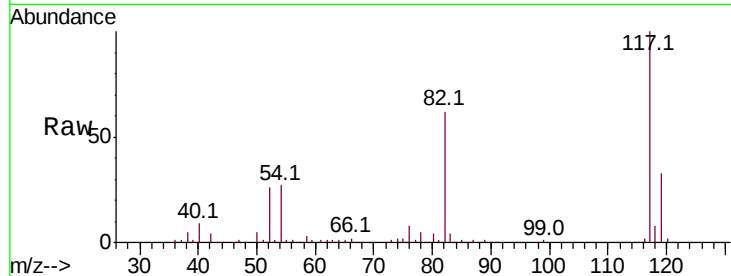




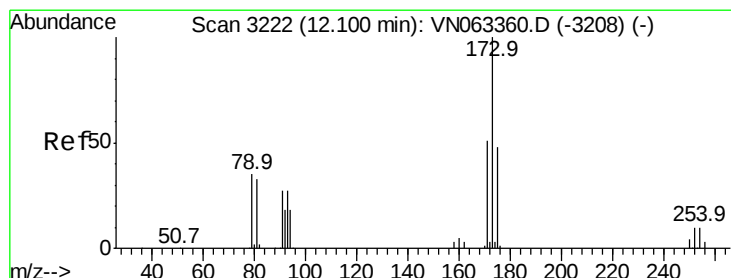
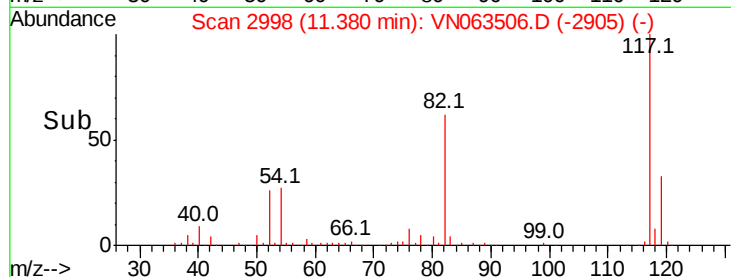
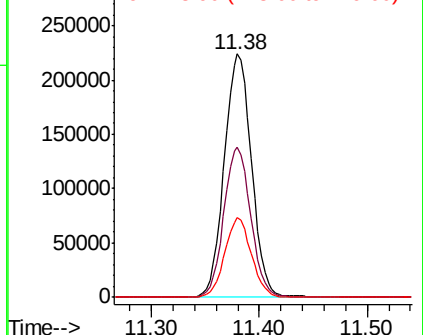
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063506.D
Acq: 22 Sep 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
TB01-20200915

Tot Ion:117 Resp: 395227
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.5 26.2 39.4

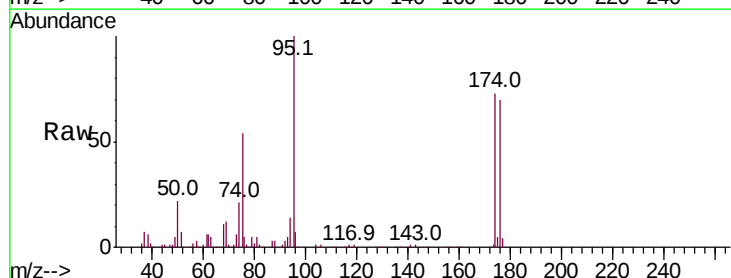


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

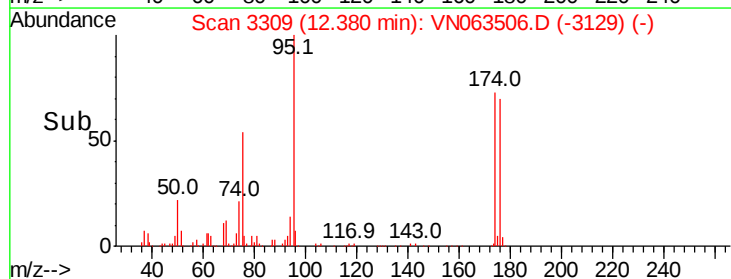
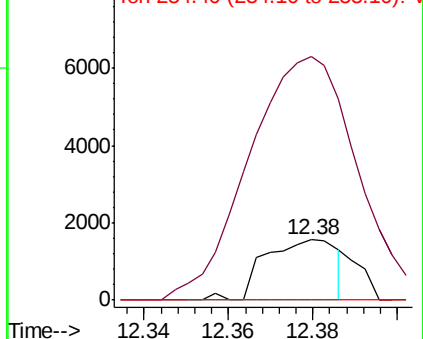


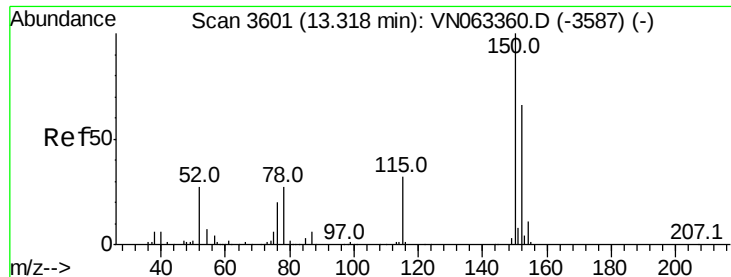
#71
Bromoform
Concen: 0.811 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063506.D
Acq: 22 Sep 2020 00:29

Tgt Ion:173 Resp: 1857
Ion Ratio Lower Upper
173 100
175 489.2 24.0 72.0#
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# 3601

Delta R.T. -0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200915

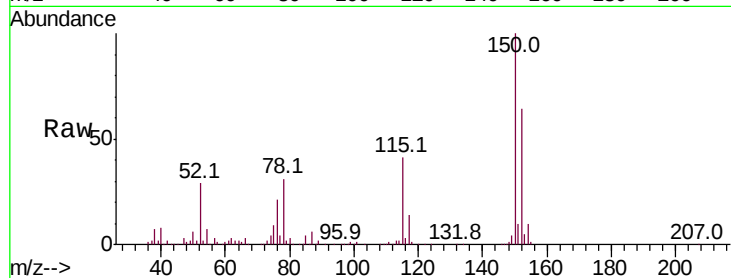
Tot Ion:152 Resp: 173400

Ion Ratio Lower Upper

152 100

115 63.5 32.2 96.6

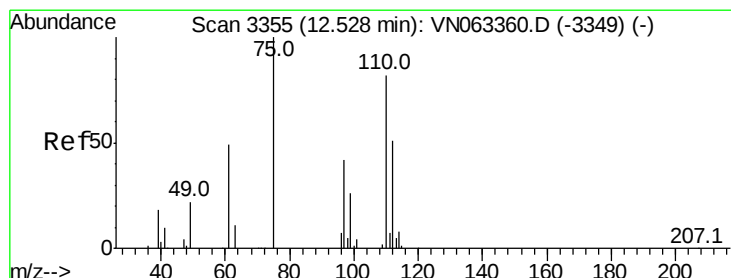
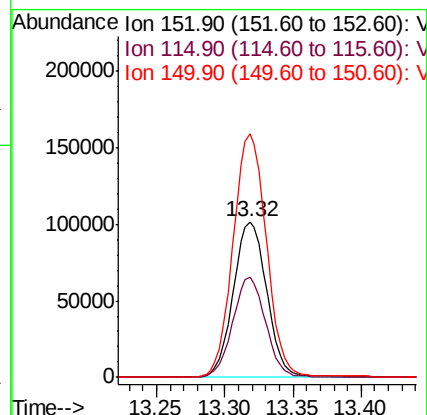
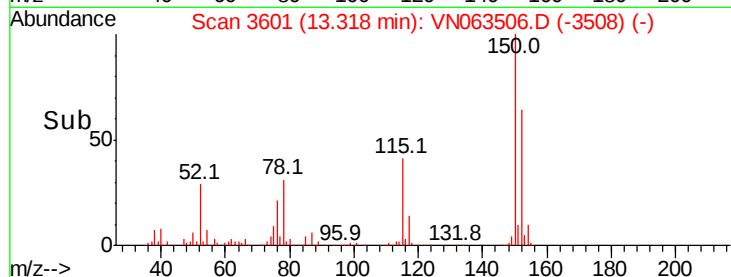
150 156.3 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 26.304 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063506.D

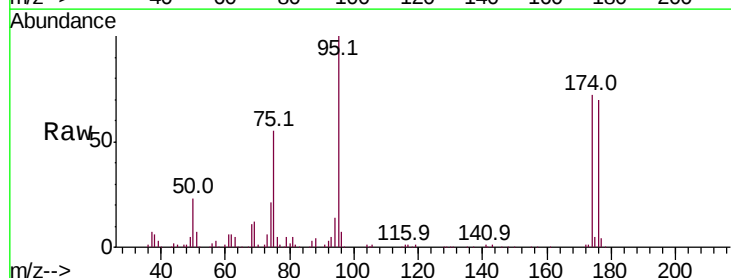
Acq: 22 Sep 2020 00:29

Tgt Ion: 75 Resp: 112892

Ion Ratio Lower Upper

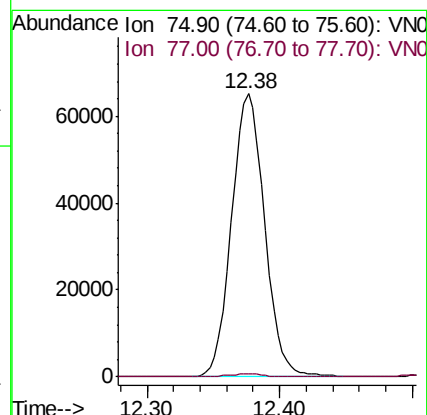
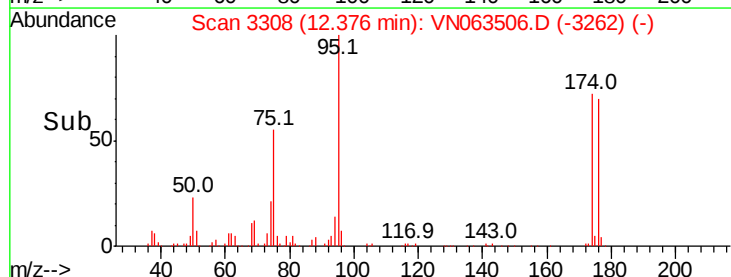
75 100

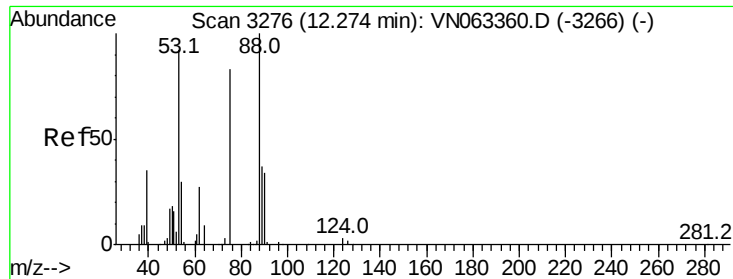
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.114 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200915

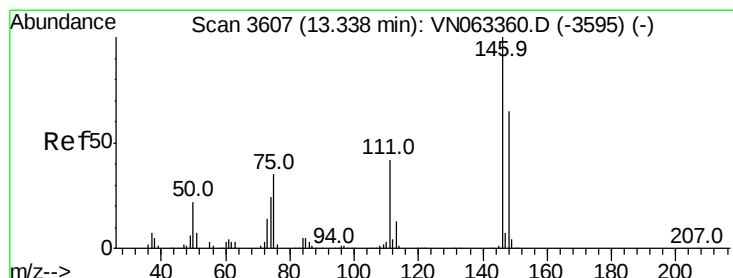
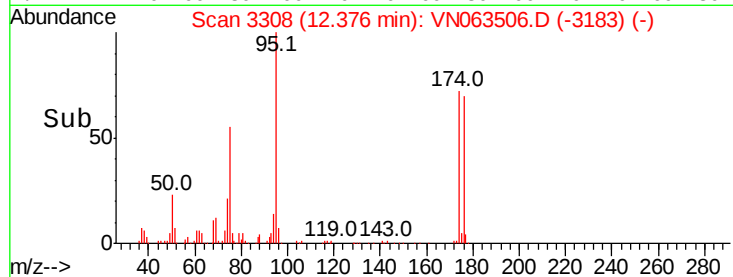
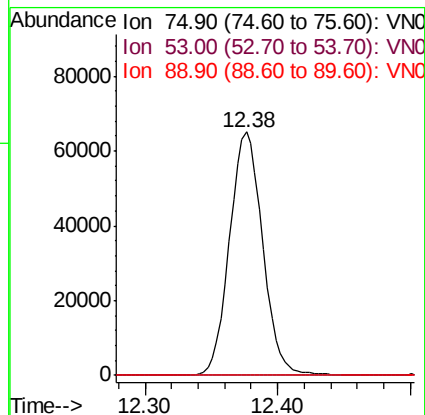
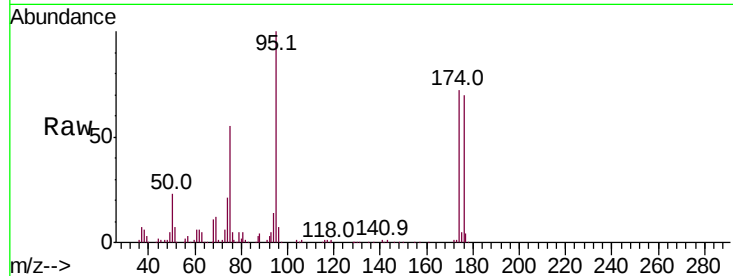
Tot Ion: 75 Resp: 112892

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



#88

1,4-Dichlorobenzene

Concen: 0.207 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

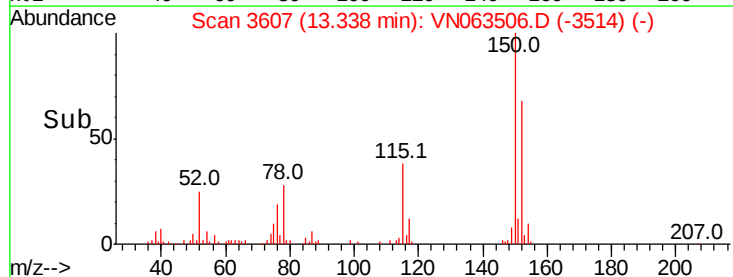
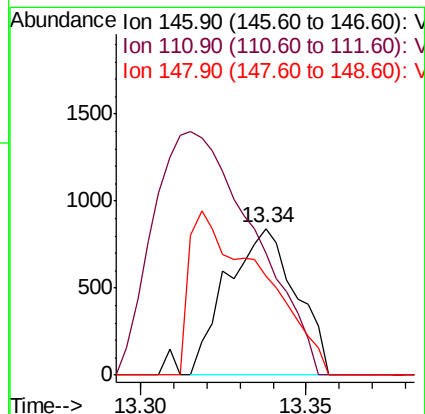
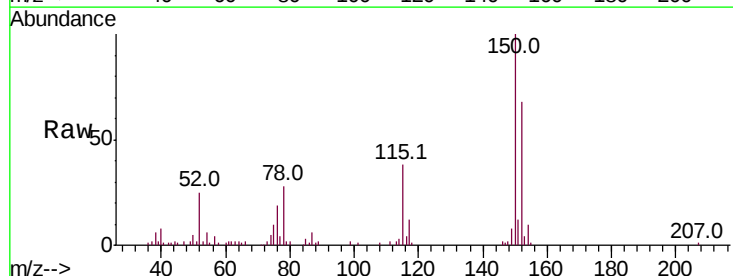
Tgt Ion: 146 Resp: 1219

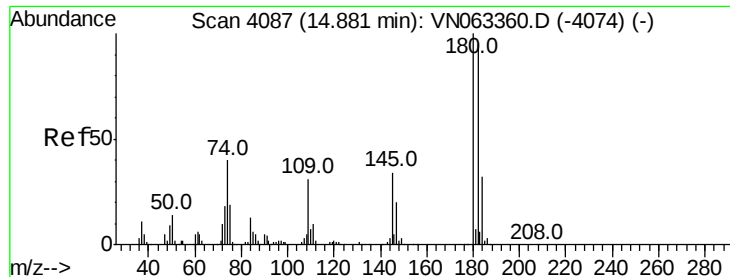
Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

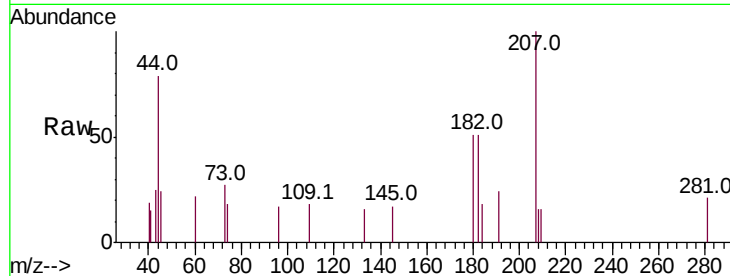




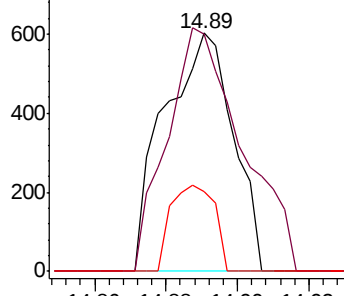
#93
 1,2,4-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 14.89 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN063506.D
 Acq: 22 Sep 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200915

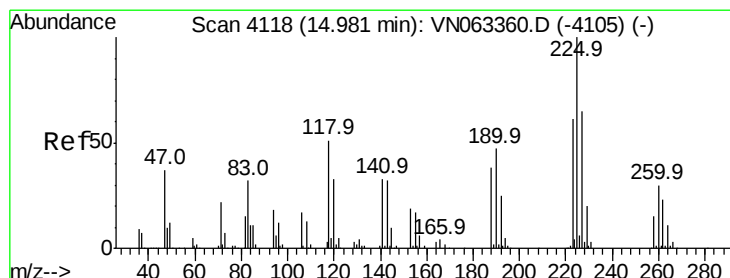
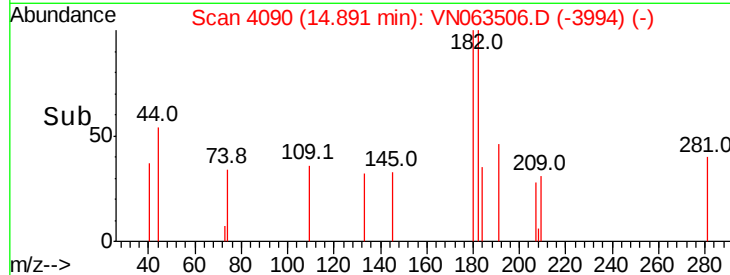
Tot Ion:180 Resp: 804
 Ion Ratio Lower Upper
 180 100
 182 111.1 47.3 142.0
 145 23.0 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

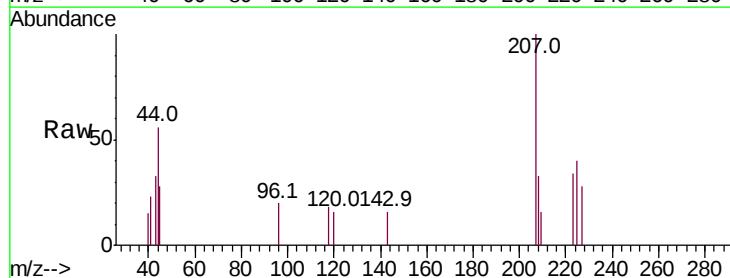


Time-->

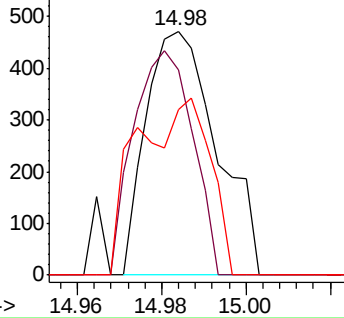


#94
 Hexachlorobutadiene
 Concen: 0.398 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063506.D
 Acq: 22 Sep 2020 00:29

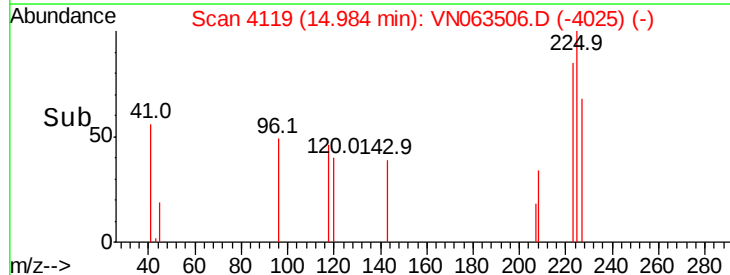
Tgt Ion:225 Resp: 552
 Ion Ratio Lower Upper
 225 100
 223 76.8 30.6 91.6
 227 38.6 31.2 93.6

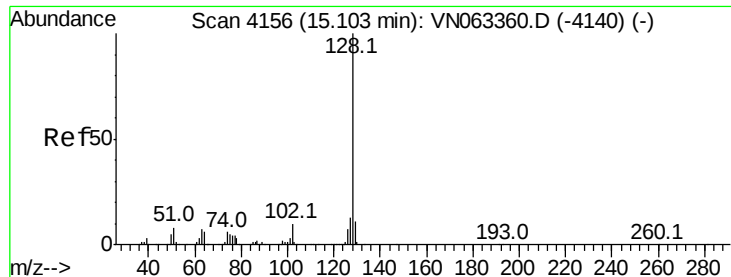


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.271 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200915

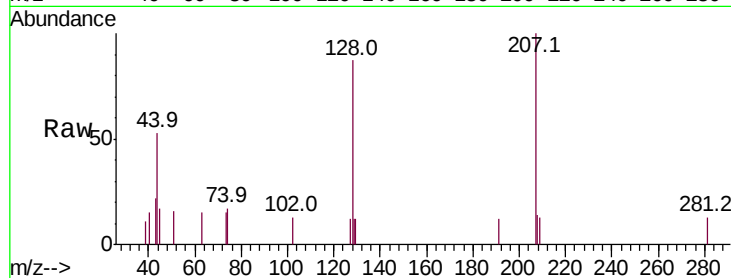
Tot Ion:128 Resp: 3003

Ion Ratio Lower Upper

128 100

127 5.0 10.6 15.8#

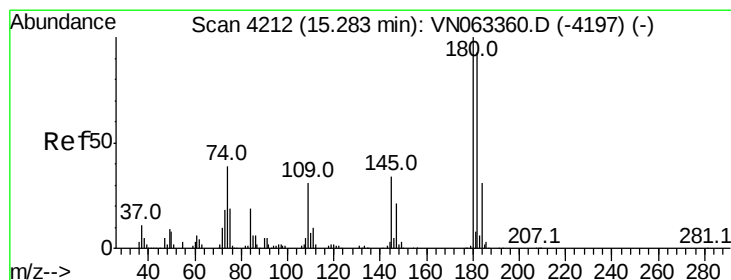
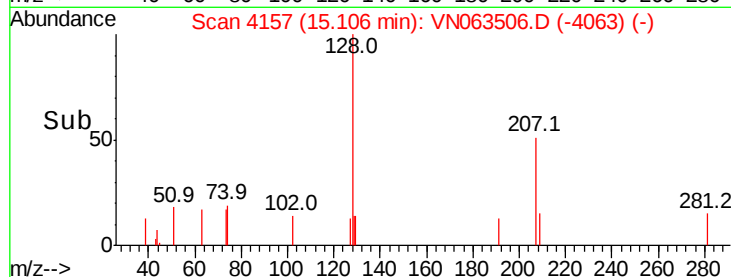
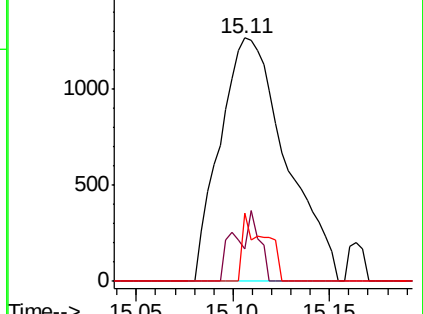
129 9.5 8.8 13.2



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: 0.298 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN063506.D

Acq: 22 Sep 2020 00:29

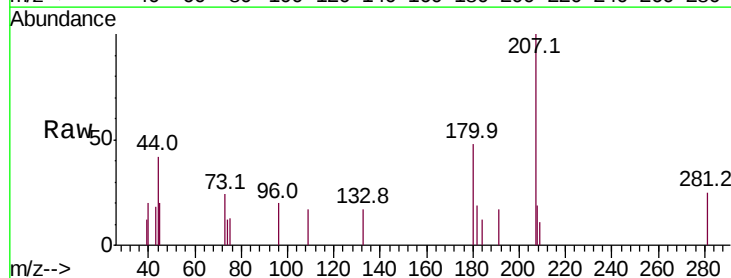
Tgt Ion:180 Resp: 966

Ion Ratio Lower Upper

180 100

182 49.3 46.7 140.1

145 0.0 16.8 50.3#



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

