

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056034.D
 Acq On : 6 Jun 2019 10:19
 Operator : JC/SP
 Sample : K3203-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB08-190604

Quant Time: Jun 06 17:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	177824	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	7.59	113	157512	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.09	98	643185	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.40	95	205659	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

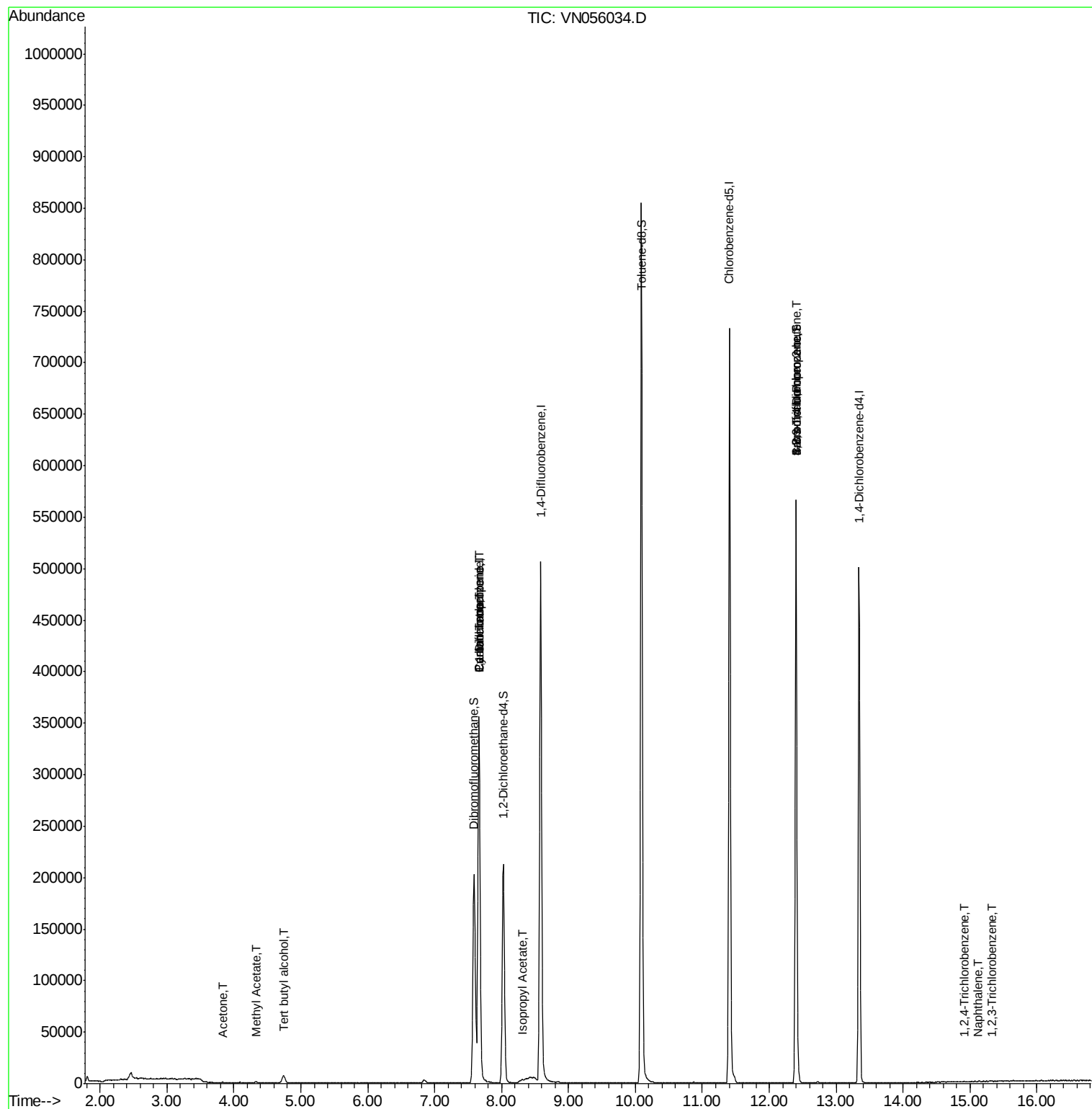
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	3150	5.393	ug/l #	74
16) Acetone	3.83	43	702	0.437	ug/l #	76
18) Methyl Acetate	4.34	43	2690	0.278	ug/l #	65
31) Cyclohexane	7.66	56	4618	0.867	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19943	4.566	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27455	6.819	ug/l #	15
43) Isopropyl Acetate	8.31	43	4598	0.730	ug/l #	53
71) Bromoform	12.40	173	1401	3.225	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93212	32.723	ug/l #	100
79) 2-Chlorotoluene	12.67	91	30	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	93212	108.974	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	192	4.331	ug/l #	65
95) Naphthalene	15.13	128	595	3.925	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	187	3.092	ug/l #	49

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

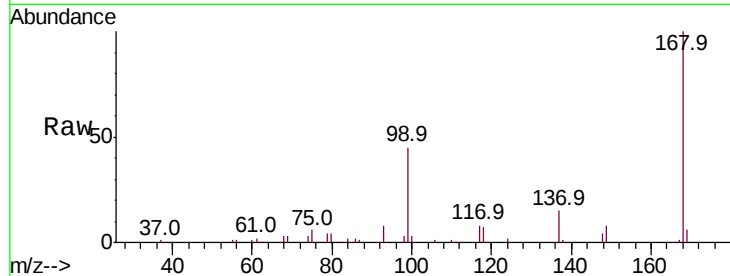
Z1-TB08-190604

Tot Ion:168 Resp: 338008

Ion Ratio Lower Upper

168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

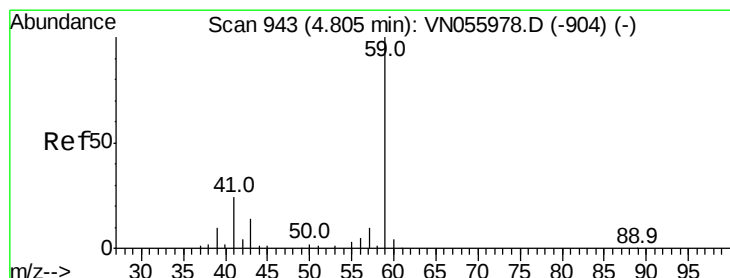
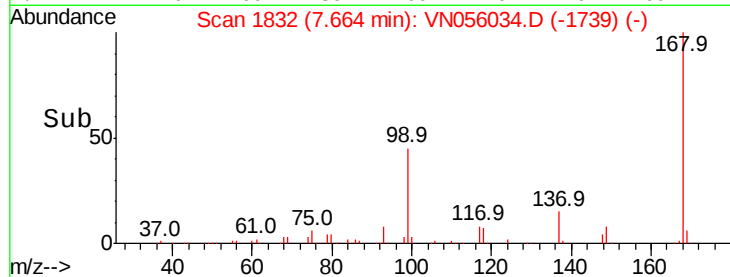
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 5.393 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.07 min

Lab File: VN056034.D

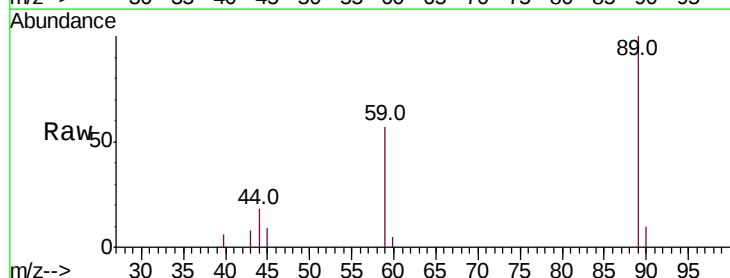
Acq: 6 Jun 2019 10:19

Tgt Ion: 59 Resp: 3150

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.73

2000

1500

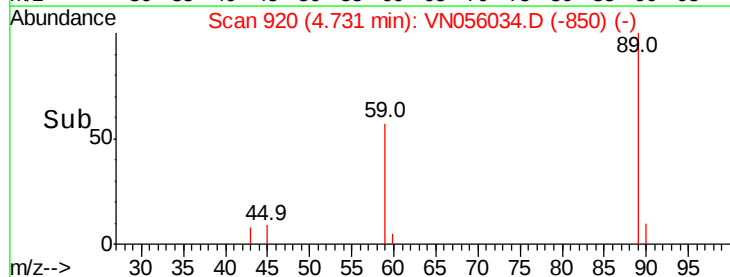
1000

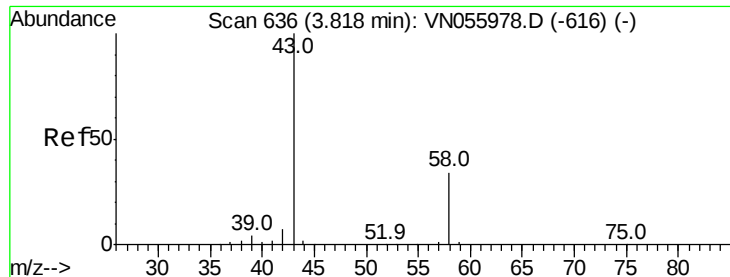
500

0

4.70 4.75

Time-->





#16

Acetone

Concen: 0.437 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

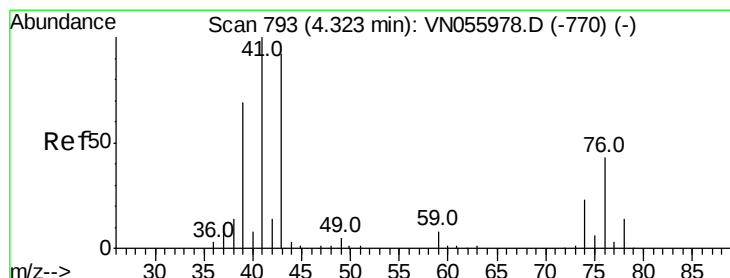
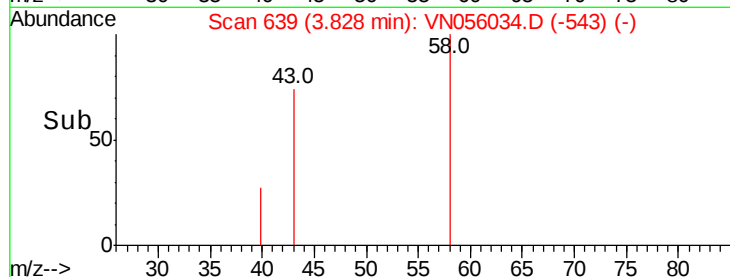
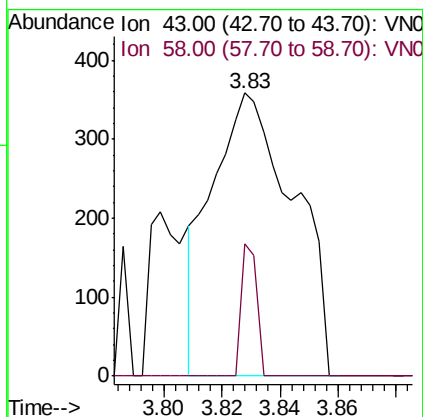
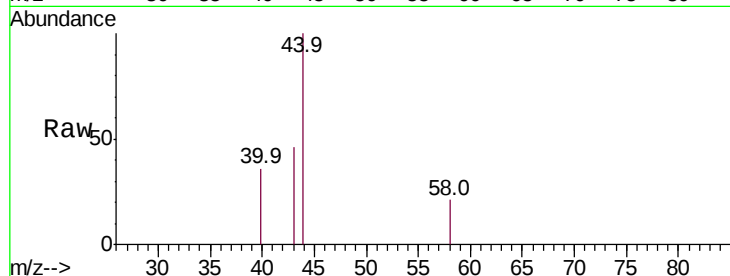
Z1-TB08-190604

Tot Ion: 43 Resp: 702

Ion Ratio Lower Upper

43 100

58 46.6 26.6 39.8#



#18

Methyl Acetate

Concen: 0.278 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056034.D

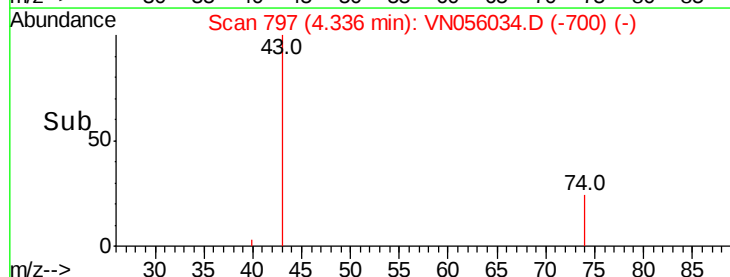
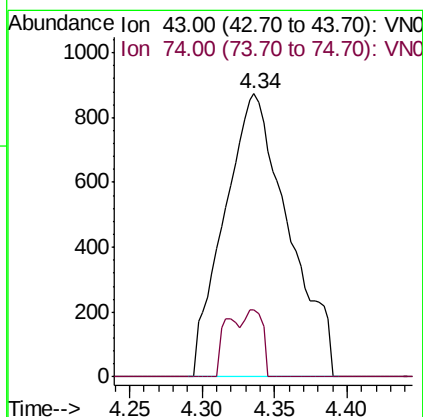
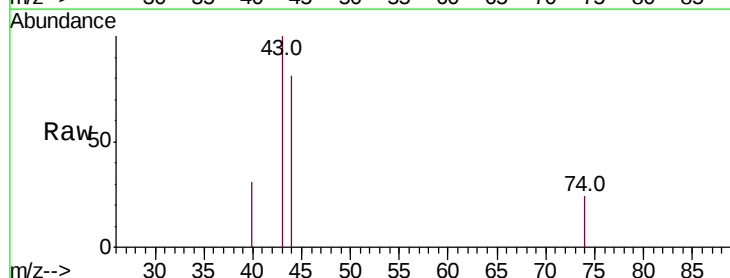
Acq: 6 Jun 2019 10:19

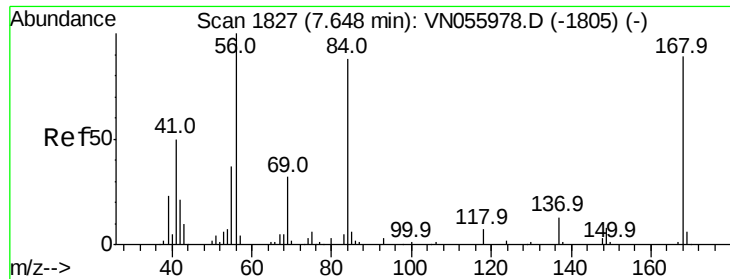
Tgt Ion: 43 Resp: 2690

Ion Ratio Lower Upper

43 100

74 6.7 19.3 28.9#

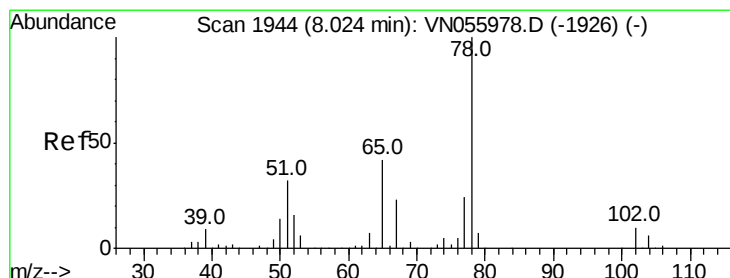
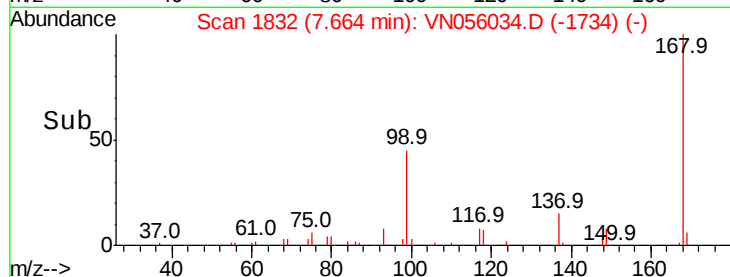
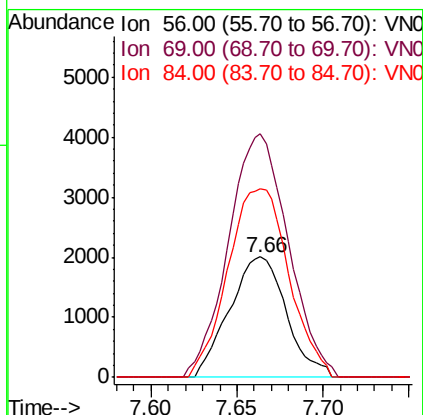
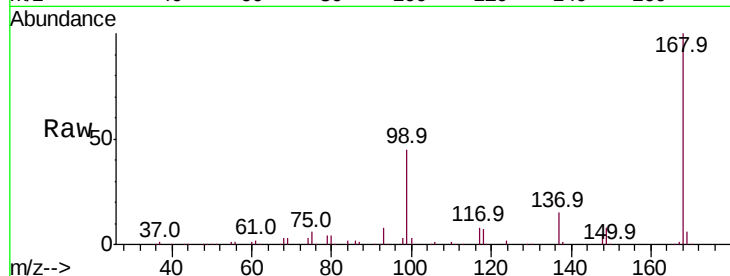




#31
Cyclohexane
Concen: 0.867 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056034.D
Acq: 6 Jun 2019 10:19

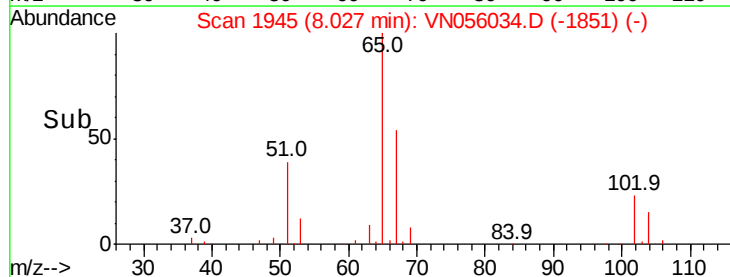
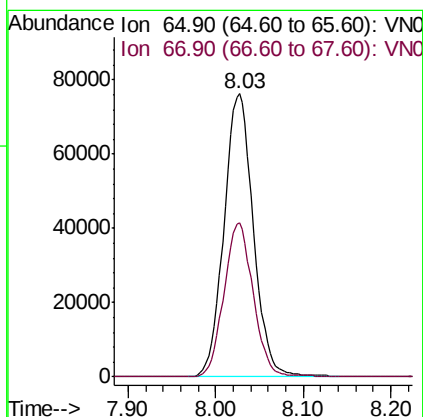
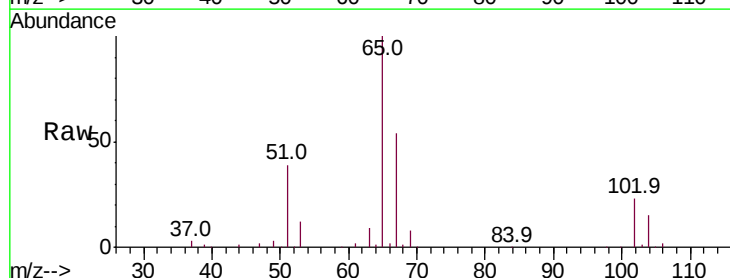
Instrument :
MSVOA_N
ClientSampleId :
Z1-TB08-190604

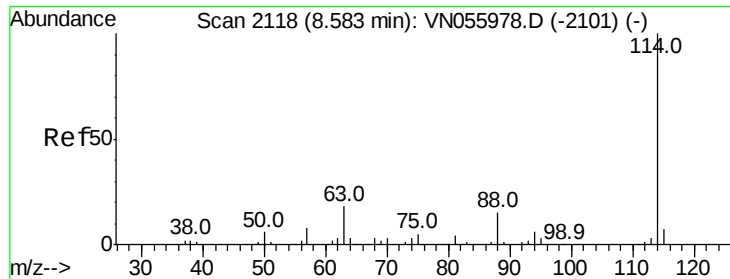
Tot Ion: 56 Resp: 4618
Ion Ratio Lower Upper
56 100
69 201.9 25.6 38.4#
84 156.1 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 52.985 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056034.D
Acq: 6 Jun 2019 10:19

Tgt Ion: 65 Resp: 177824
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.2

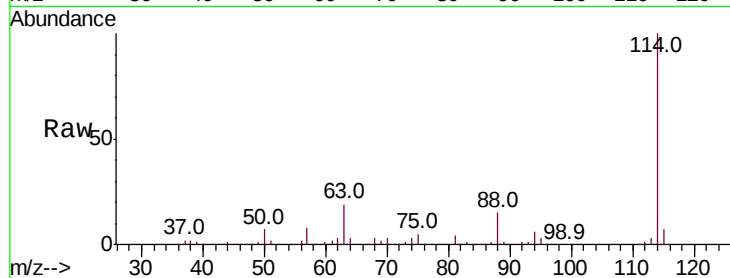




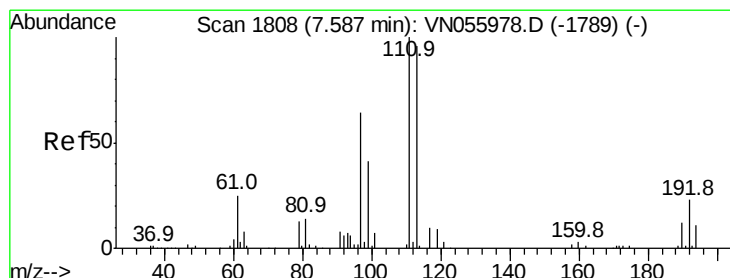
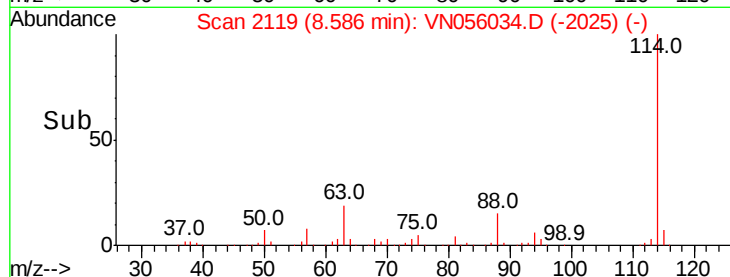
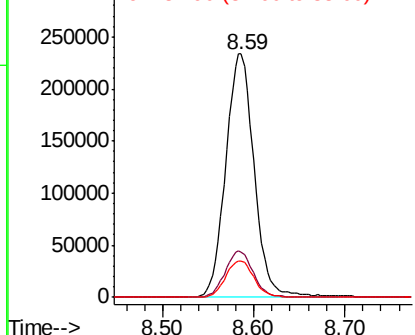
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056034.D
 Acq: 6 Jun 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB08-190604

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.2
88	14.9	0.0	31.0

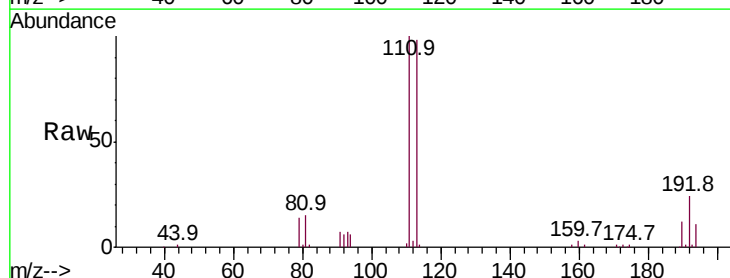


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

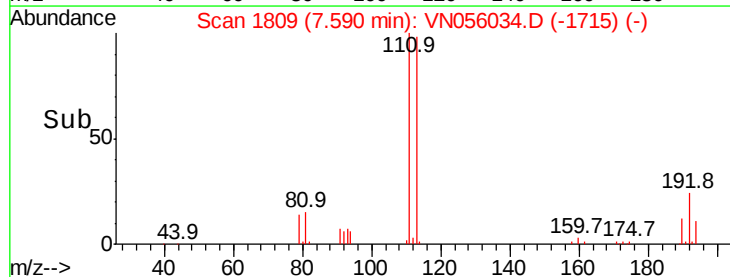
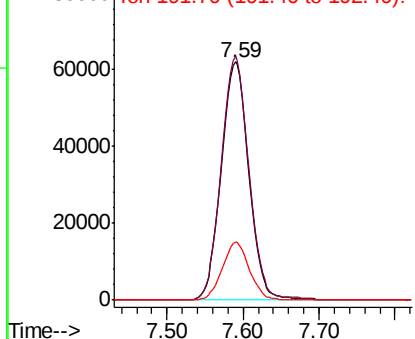


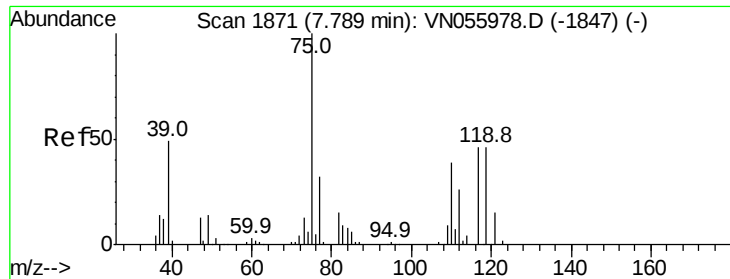
#35
 Dibromofluoromethane
 Concen: 50.545 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056034.D
 Acq: 6 Jun 2019 10:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	23.7	19.5	29.3



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





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB08-190604

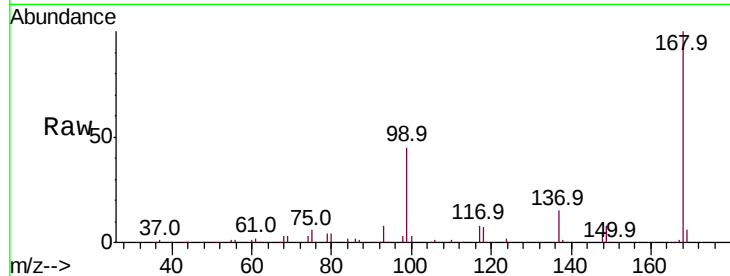
Tot Ion: 75 Resp: 19943

Ion Ratio Lower Upper

75 100

110 7.4 19.0 57.0#

77 0.0 25.1 37.7#



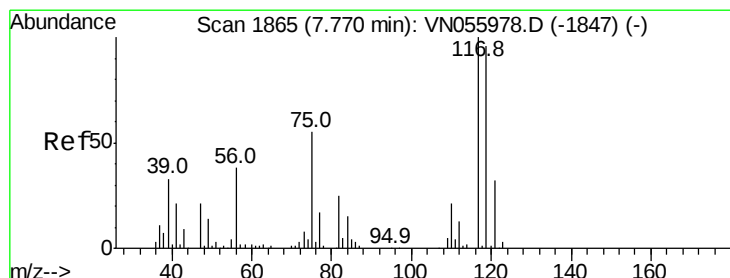
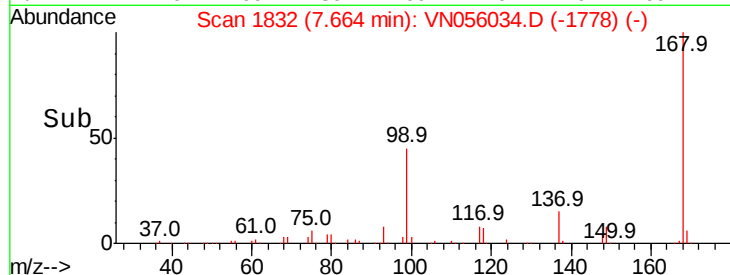
Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)

7.66

Time-->



#38

Carbon Tetrachloride

Concen: 6.819 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

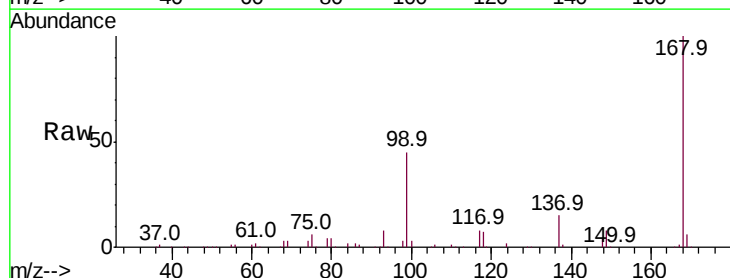
Tgt Ion: 117 Resp: 27455

Ion Ratio Lower Upper

117 100

119 5.8 79.0 118.6#

121 0.0 24.7 37.1#



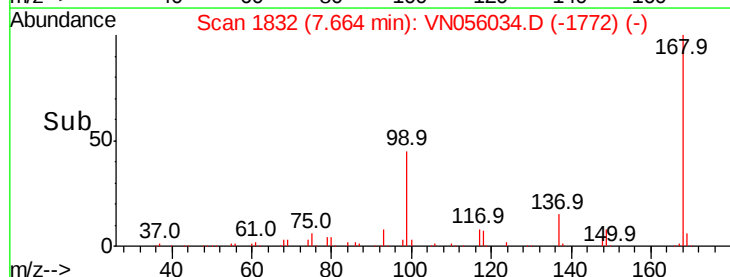
Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

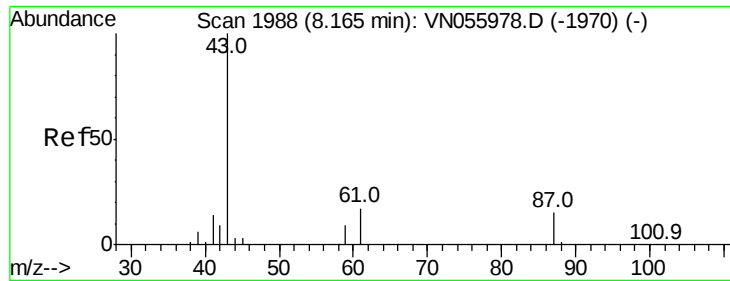
Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)

7.66

Time-->





#43

Isopropyl Acetate

Concen: 0.730 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

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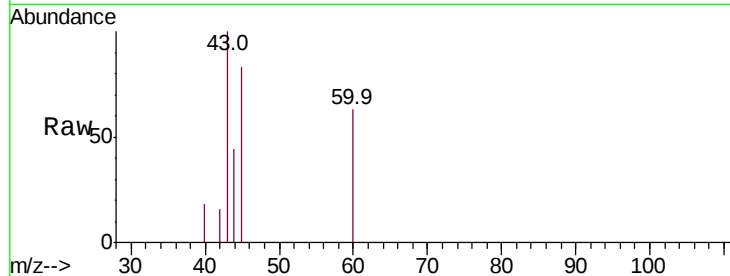
Tot Ion: 43 Resp: 4598

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

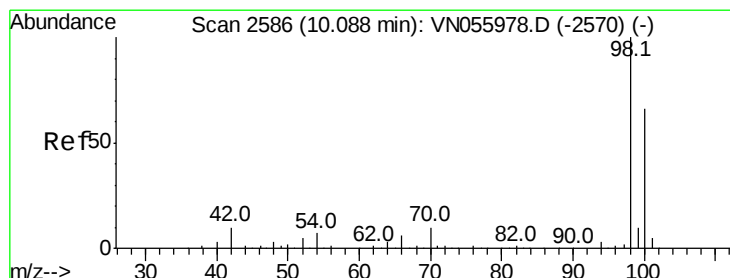
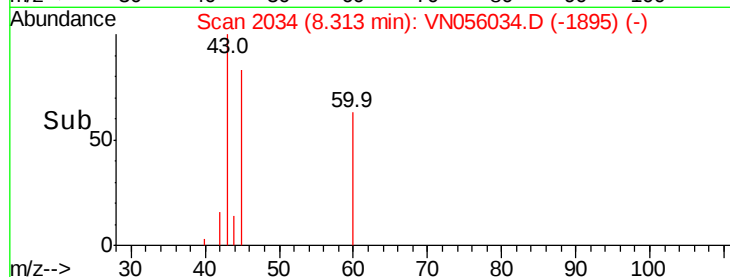
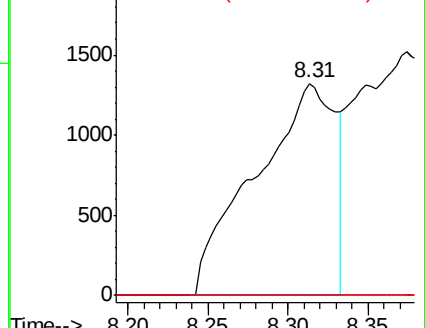
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.638 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056034.D

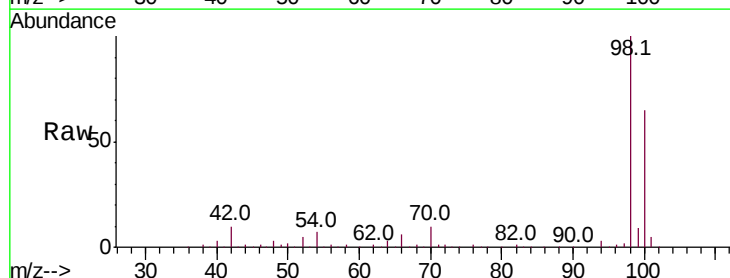
Acq: 6 Jun 2019 10:19

Tgt Ion: 98 Resp: 643185

Ion Ratio Lower Upper

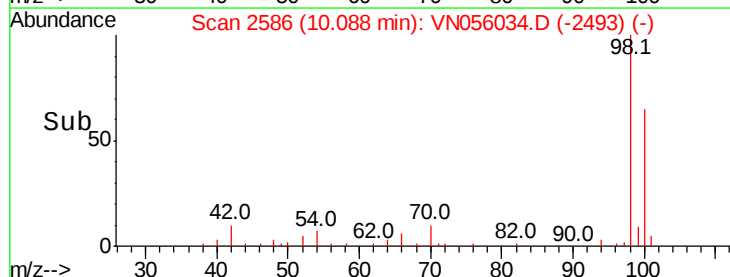
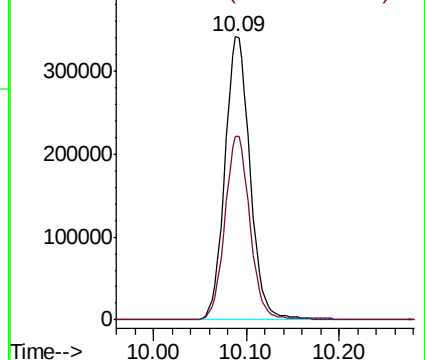
98 100

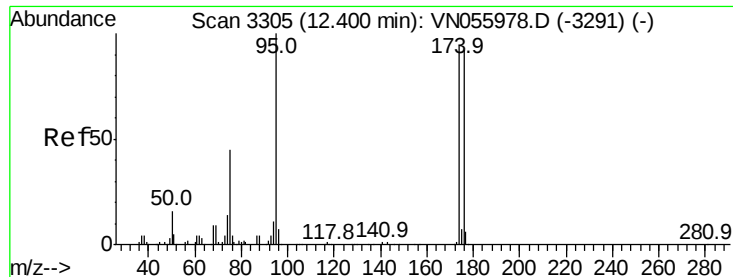
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.432 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

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ClientSampleId :

Z1-TB08-190604

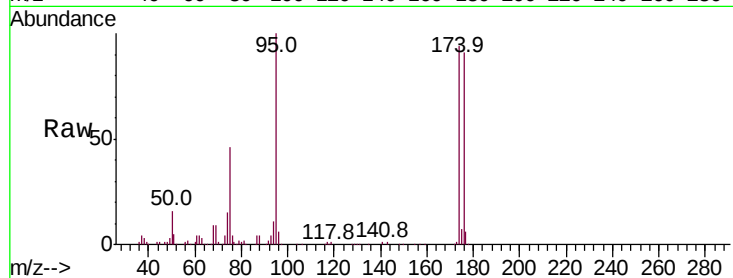
Tot Ion: 95 Resp: 205659

Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.0

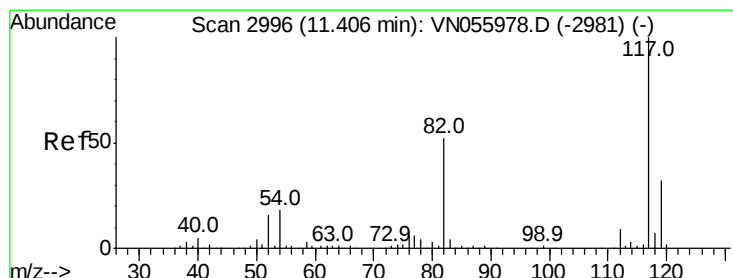
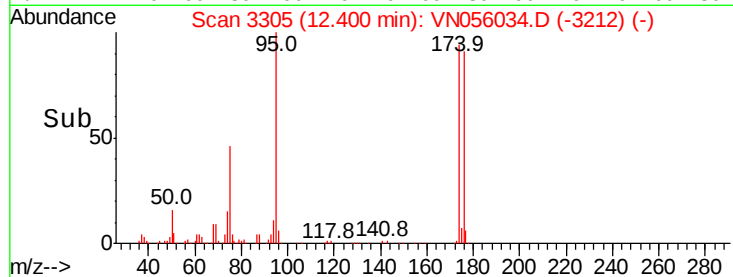
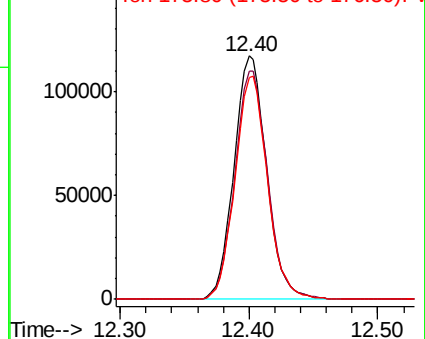
176 91.2 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

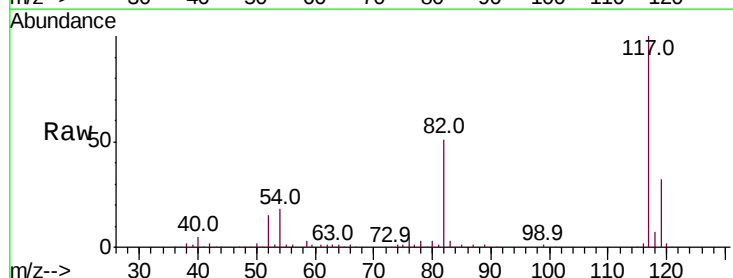
Tgt Ion: 117 Resp: 475385

Ion Ratio Lower Upper

117 100

82 50.8 41.8 62.8

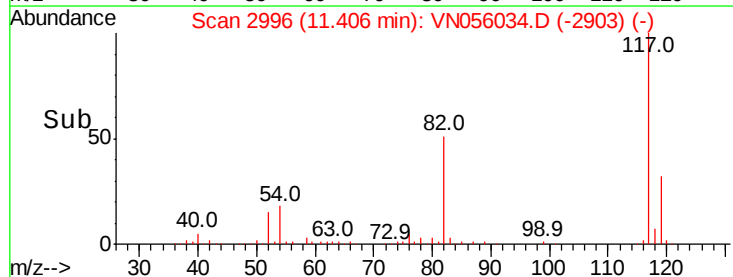
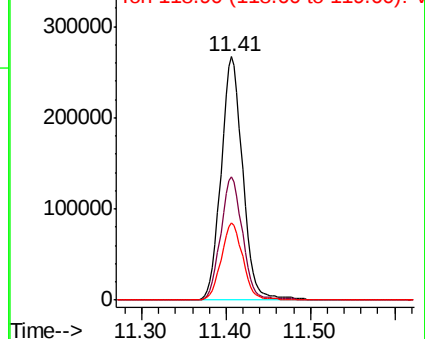
119 31.9 25.4 38.0

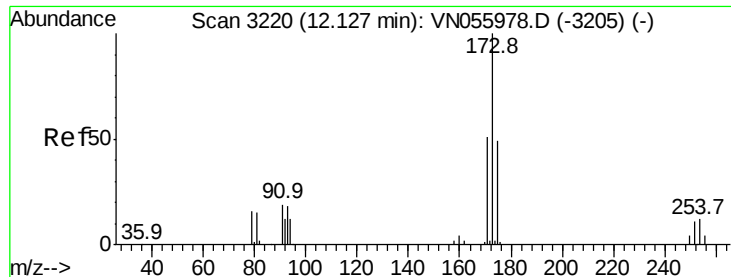


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

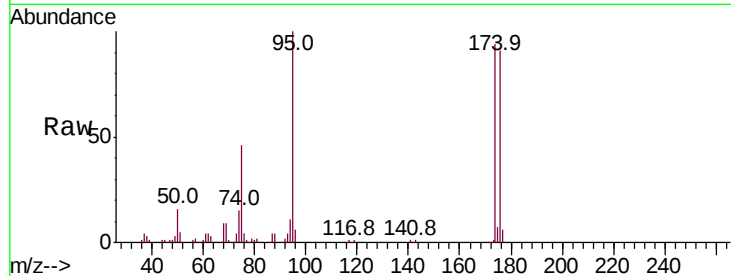




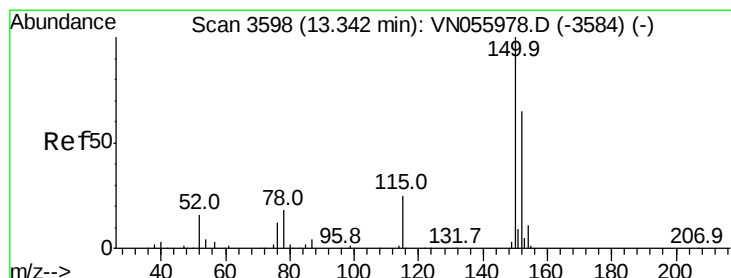
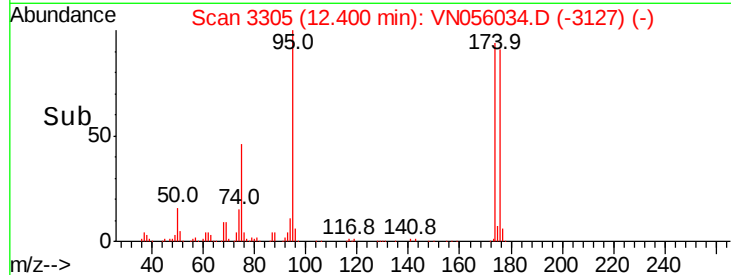
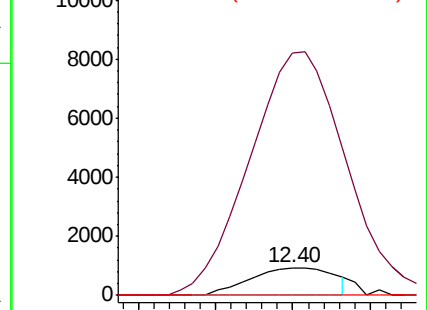
#71
Bromoform
Concen: 3.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056034.D
Acq: 6 Jun 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
Z1-TB08-190604

Tot Ion:173 Resp: 1401
Ion Ratio Lower Upper
173 100
175 887.4 24.3 72.8#
254 0.0 0.0 0.0

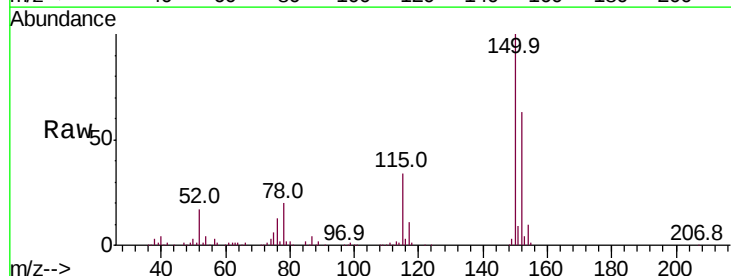


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

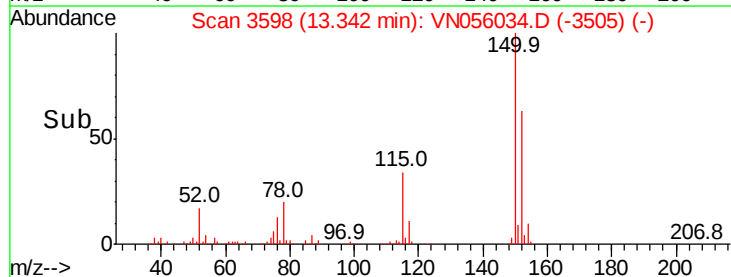
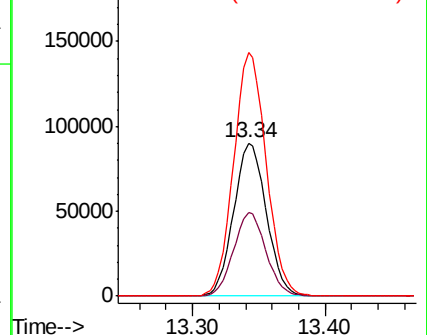


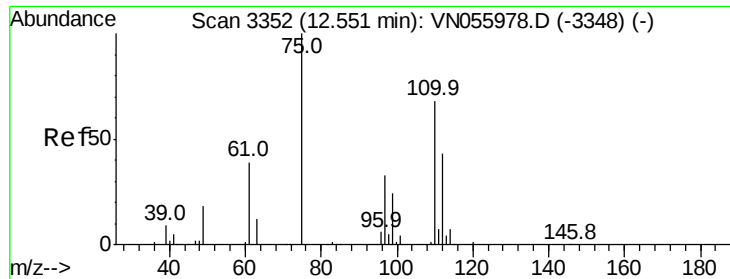
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056034.D
Acq: 6 Jun 2019 10:19

Tgt Ion:152 Resp: 154807
Ion Ratio Lower Upper
152 100
115 53.8 27.0 81.0
150 158.5 0.0 343.2



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

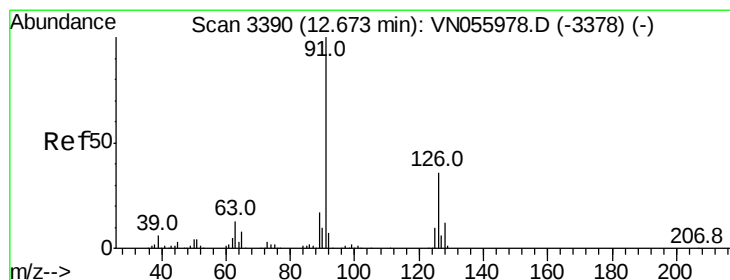
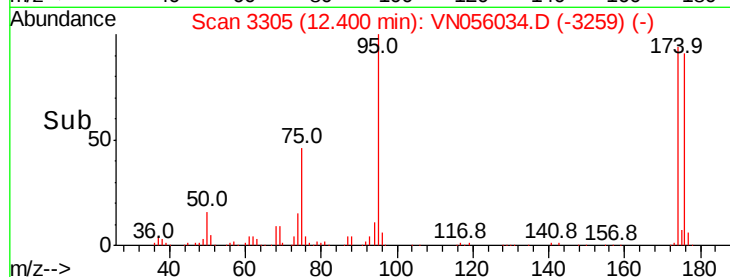
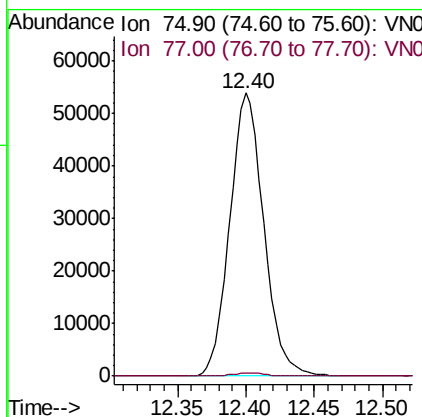
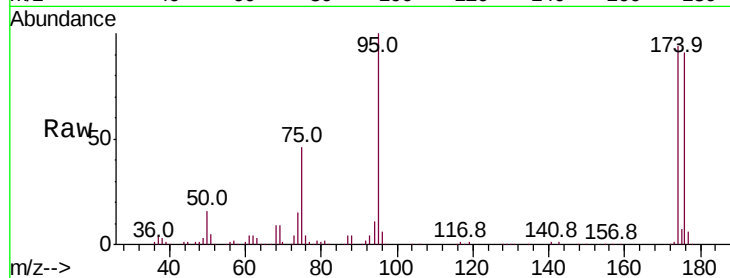




#76
 1,2,3-Trichloropropane
 Concen: 32.723 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056034.D
 Acq: 6 Jun 2019 10:19

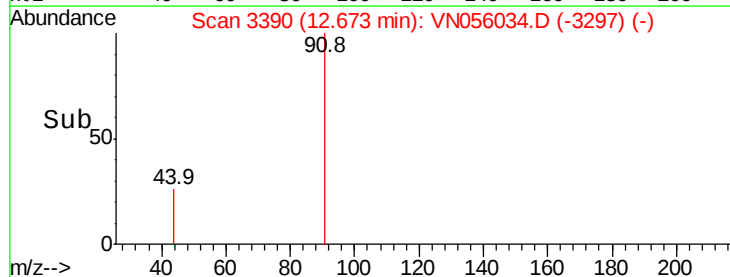
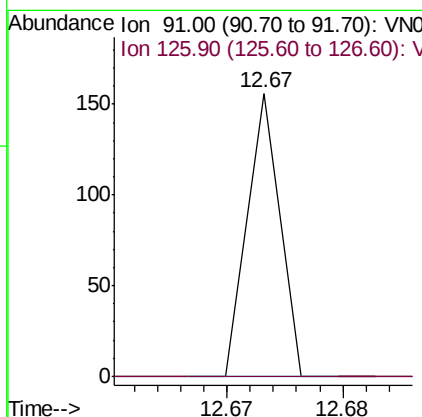
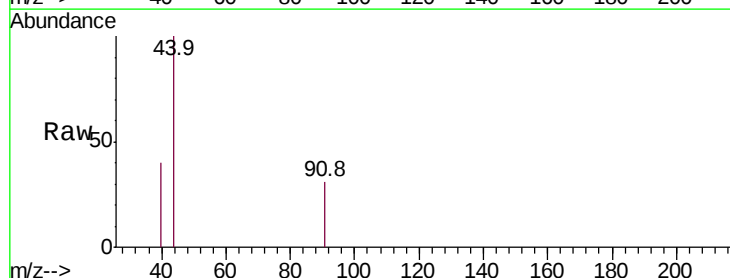
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB08-190604

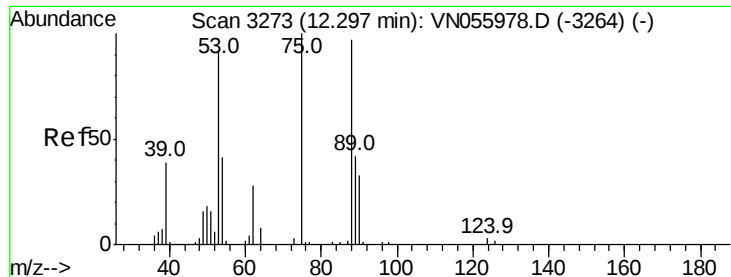
Tot Ion: 75 Resp: 93212
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056034.D
 Acq: 6 Jun 2019 10:19

Tgt Ion: 91 Resp: 30
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.974 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB08-190604

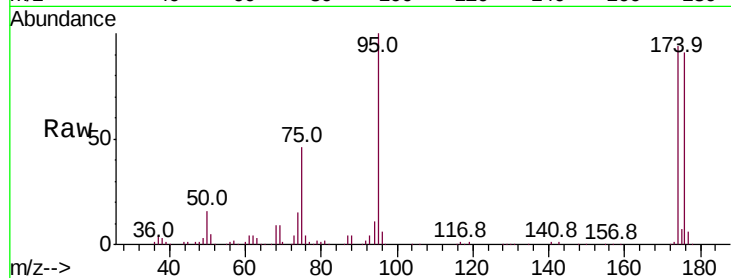
Tot Ion: 75 Resp: 93212

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

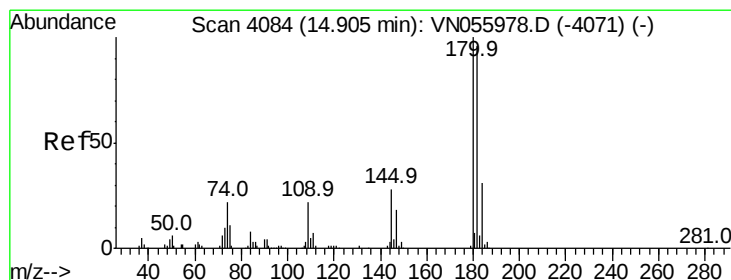
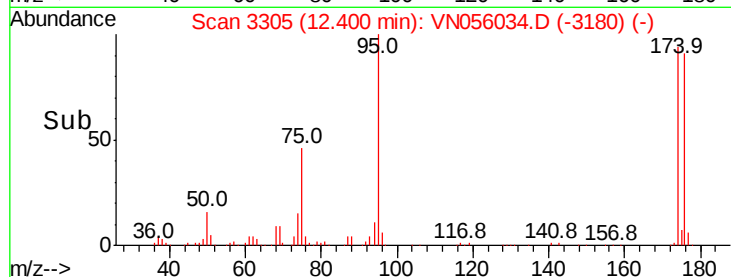
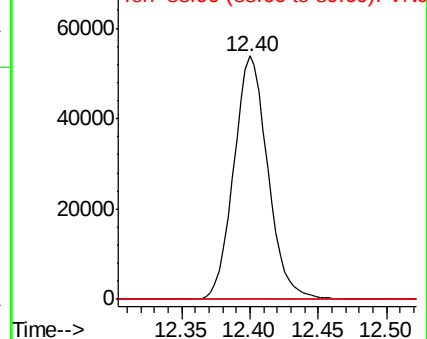
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.331 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

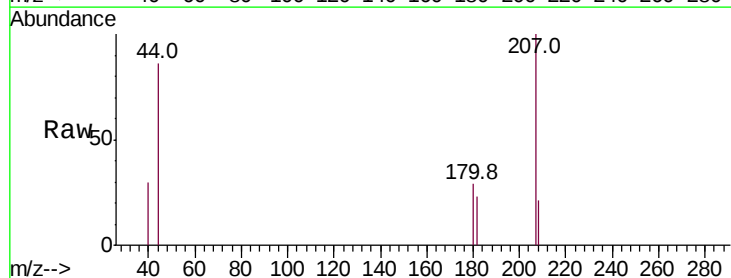
Tgt Ion:180 Resp: 192

Ion Ratio Lower Upper

180 100

182 67.7 48.3 144.9

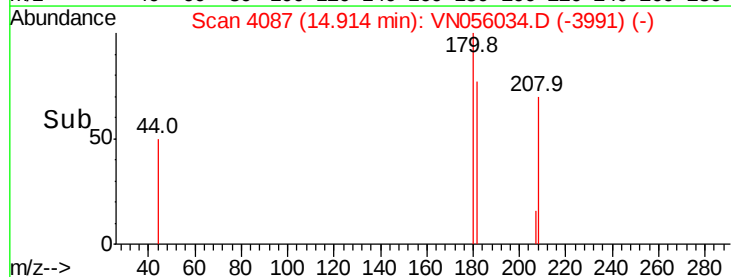
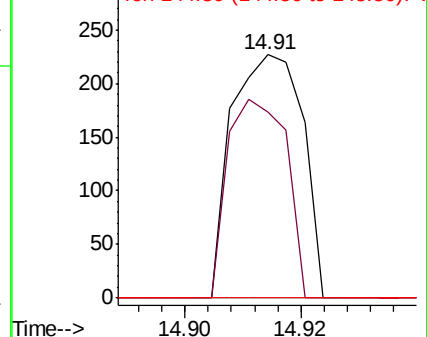
145 0.0 14.0 41.9#

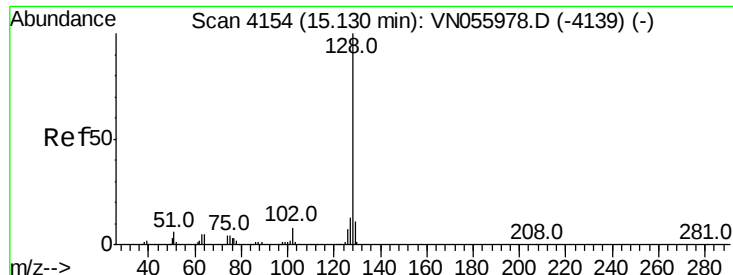


Abundance Ion 179.80 (179.50 to 180.50): VN055978.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055978.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055978.D (-4071) (-)





#95

Naphthalene

Concen: 3.925 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB08-190604

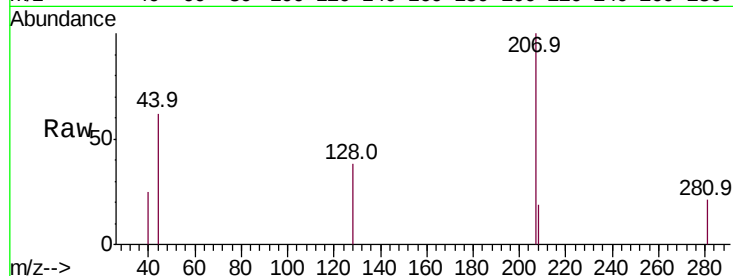
Tot Ion:128 Resp: 595

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

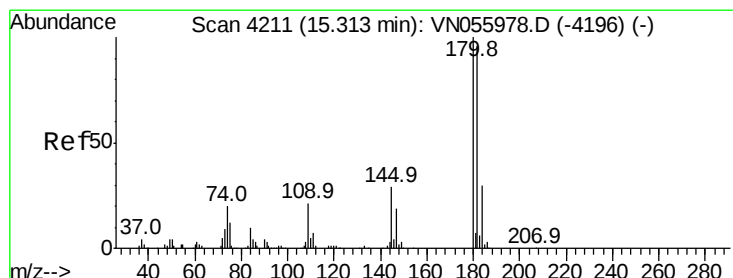
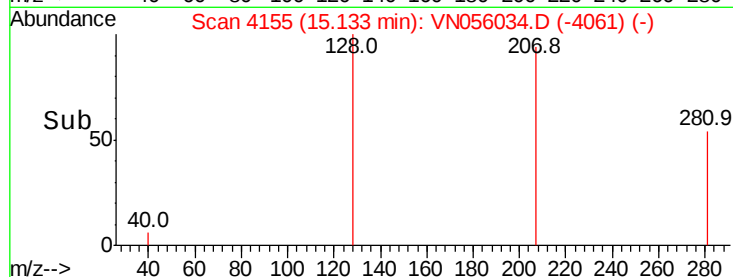
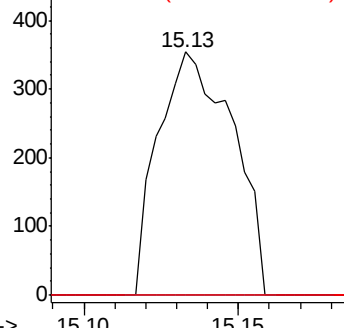
129 0.0 8.7 13.1#



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: 3.092 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056034.D

Acq: 6 Jun 2019 10:19

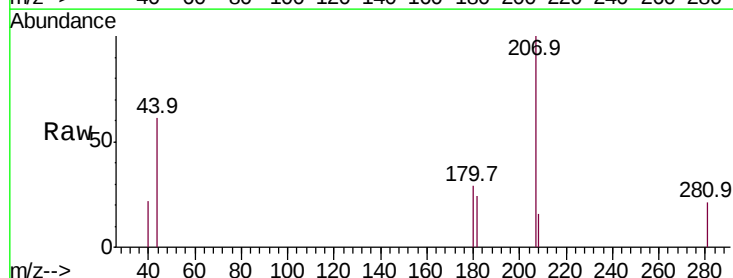
Tgt Ion:180 Resp: 187

Ion Ratio Lower Upper

180 100

182 144.9 47.9 143.7#

145 0.0 14.9 44.7#



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

