

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011860.D
 Acq On : 12 Aug 2019 18:41
 Operator : SY/VA
 Sample : K4223-08RE
 Misc : 4.59G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-4RE

Quant Time: Aug 13 08:58:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

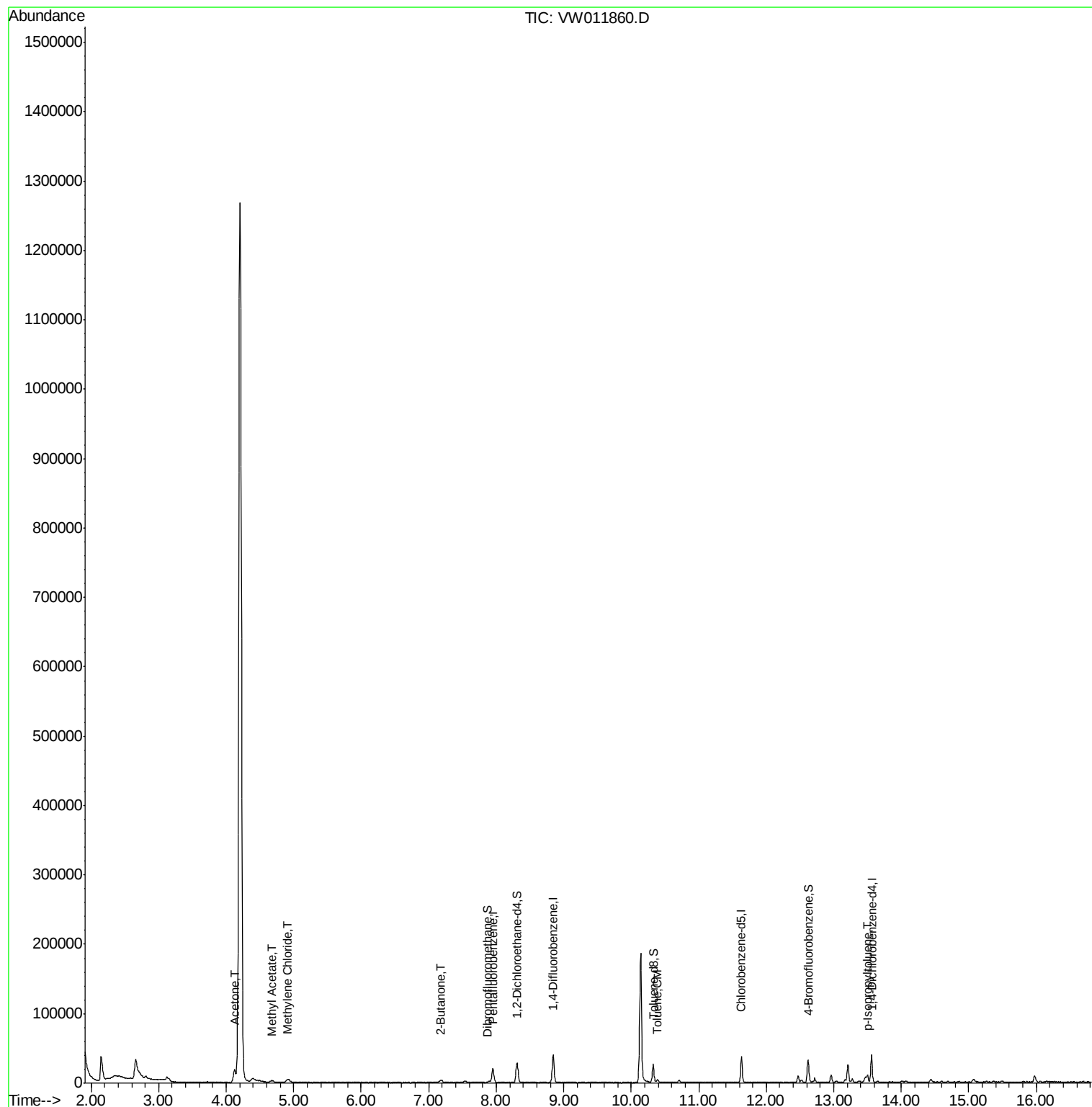
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	13705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	31004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	19038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	21808	138.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.16%	
35) Dibromofluoromethane	7.88	113	1504	8.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.30%	
50) Toluene-d8	10.32	98	16730	23.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.98%	
62) 4-Bromofluorobenzene	12.62	95	10408	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	
Target Compounds						
16) Acetone	4.12	43	32496	649.147	ug/l	97
18) Methyl Acetate	4.68	43	4895	43.527	ug/l	98
20) Methylene Chloride	4.91	84	3068	17.771	ug/l	93
25) 2-Butanone	7.18	43	6577	100.406	ug/l	95
52) Toluene	10.39	92	1641	3.009	ug/l	99
86) p-Isopropyltoluene	13.50	119	5388	8.497	ug/l #	84

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

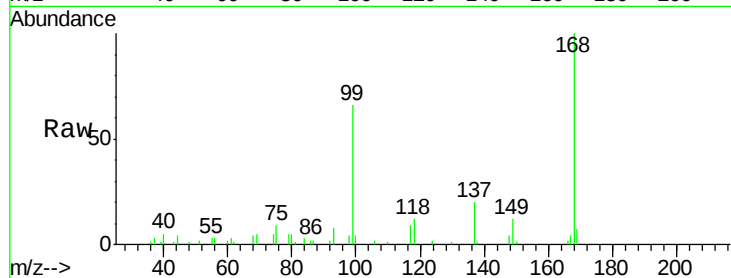
SP-4RE

Tot Ion:168 Resp: 13705

Ion Ratio Lower Upper

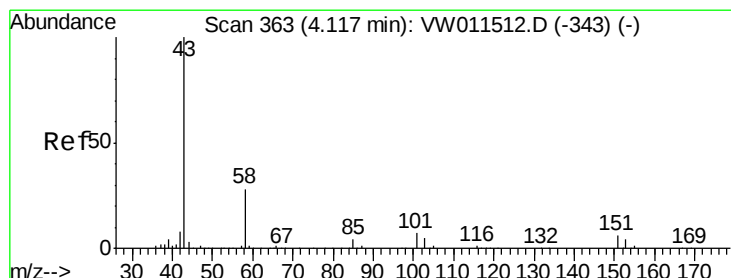
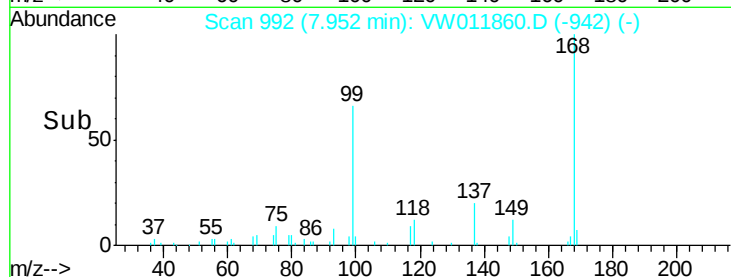
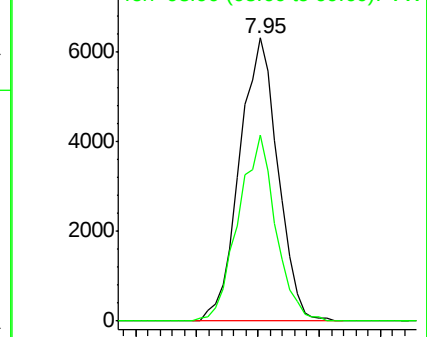
168 100

99 65.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 649.147 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011860.D

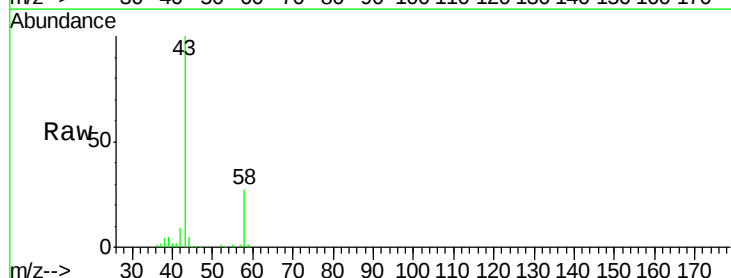
Acq: 12 Aug 2019 18:41

Tgt Ion: 43 Resp: 32496

Ion Ratio Lower Upper

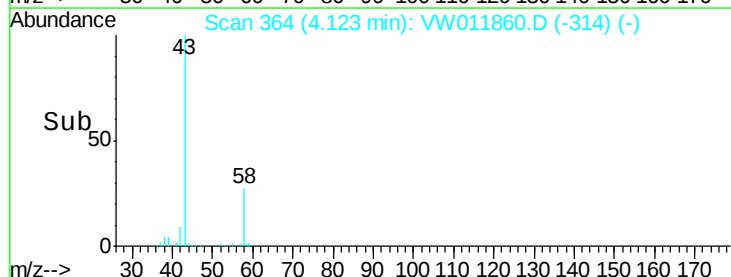
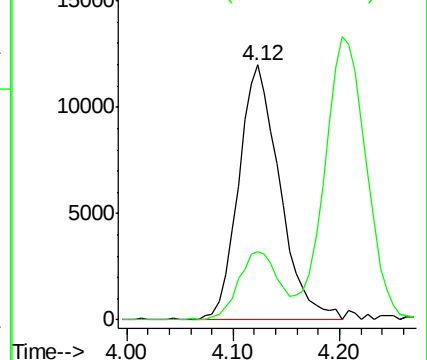
43 100

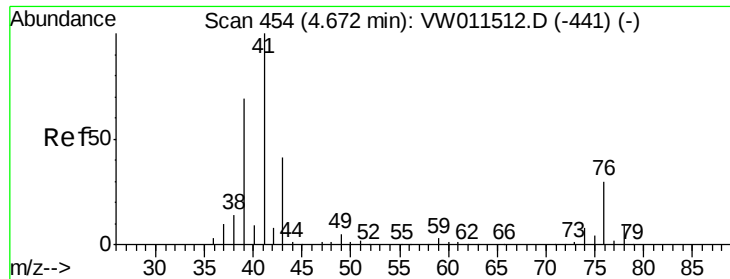
58 26.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

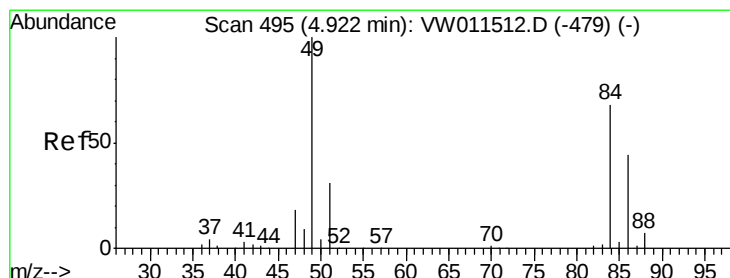
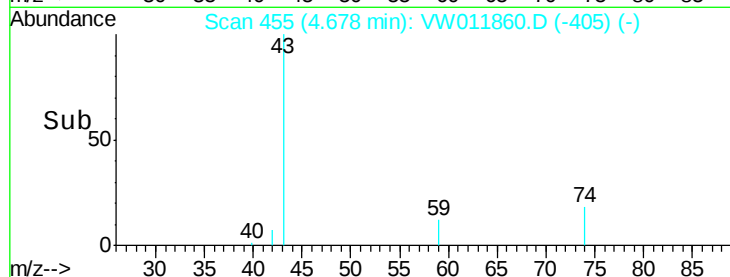
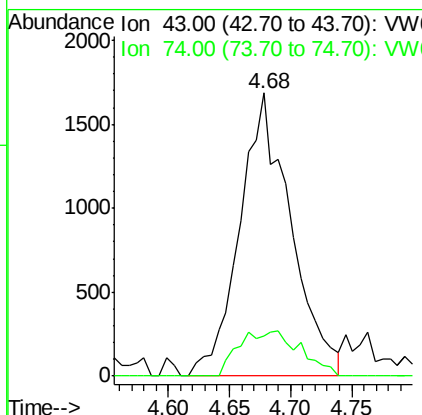
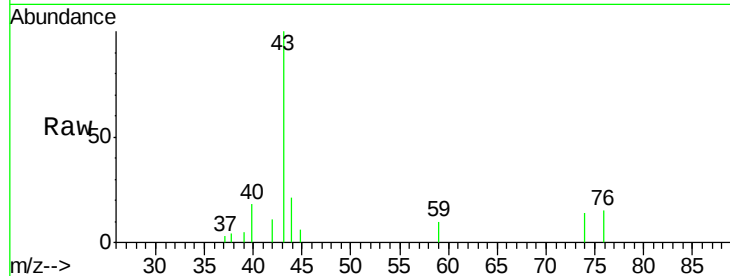




#18
Methyl Acetate
Concen: 43.527 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011860.D
Acq: 12 Aug 2019 18:41

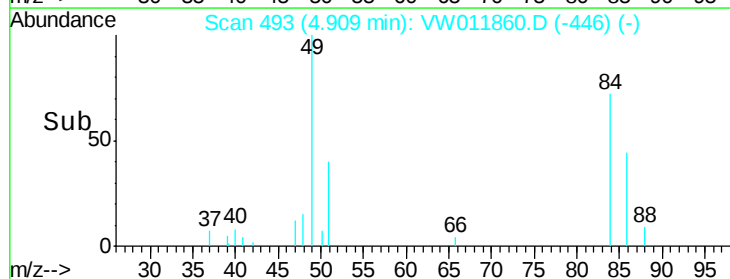
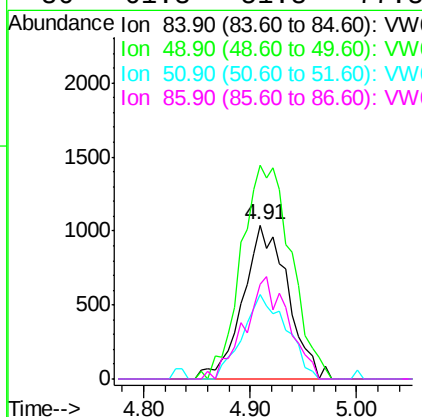
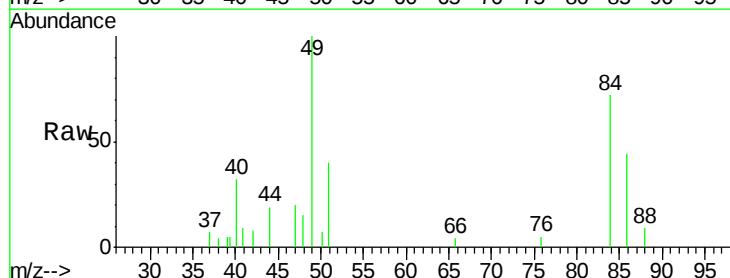
Instrument :
MSVOA_W
ClientSampleId :
SP-4RE

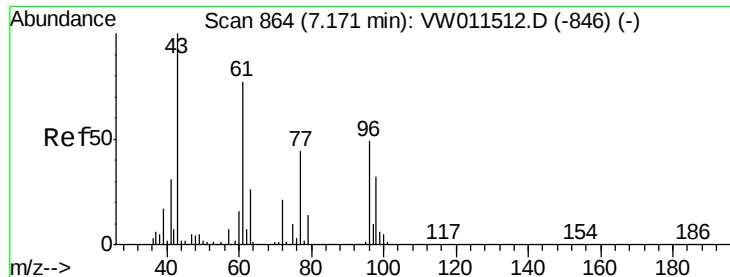
Tot Ion: 43 Resp: 4895
Ion Ratio Lower Upper
43 100
74 19.1 15.9 23.9



#20
Methylene Chloride
Concen: 17.771 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011860.D
Acq: 12 Aug 2019 18:41

Tgt Ion: 84 Resp: 3068
Ion Ratio Lower Upper
84 100
49 138.6 117.8 176.6
51 54.8 37.0 55.4
86 61.3 51.8 77.8





#25

2-Butanone

Concen: 100.406 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

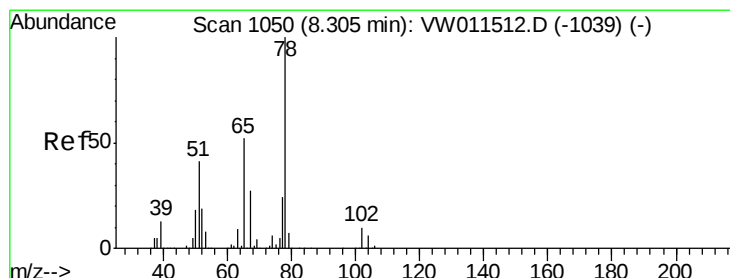
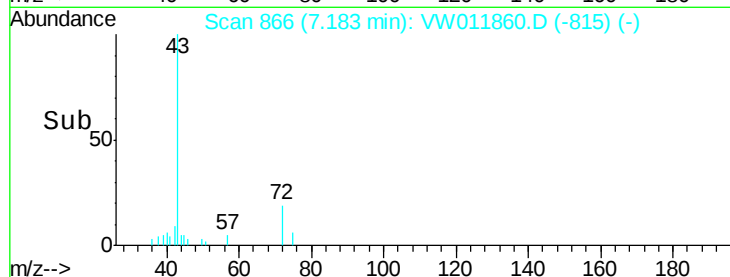
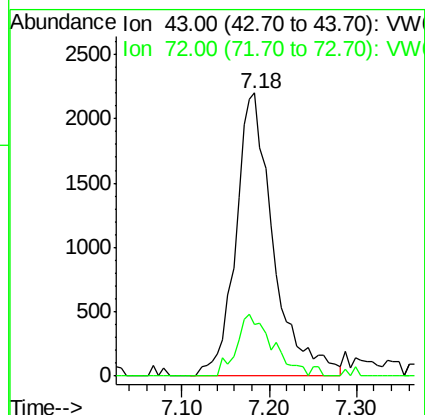
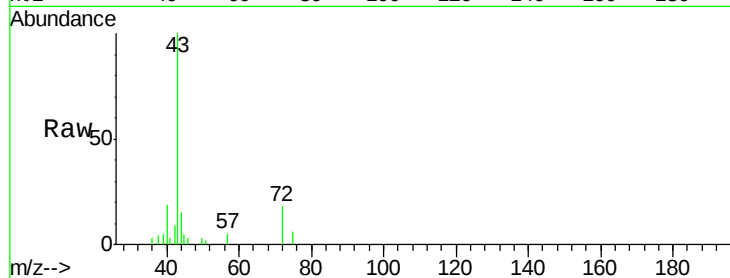
SP-4RE

Tot Ion: 43 Resp: 6577

Ion Ratio Lower Upper

43 100

72 18.3 16.6 24.8



#33

1,2-Dichloroethane-d4

Concen: 138.576 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW011860.D

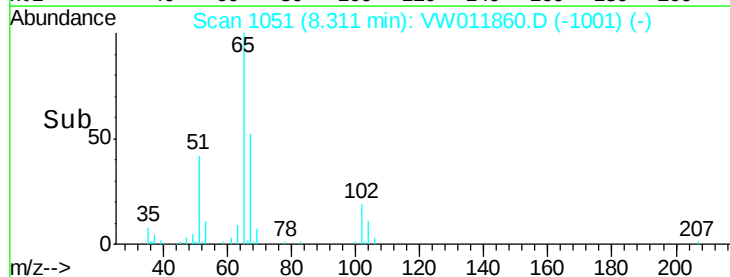
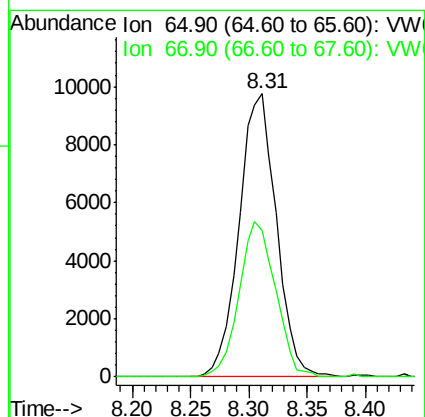
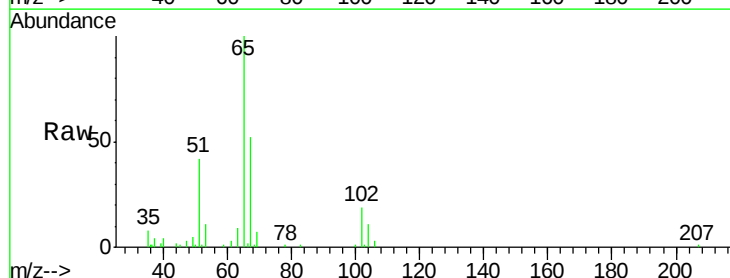
Acq: 12 Aug 2019 18:41

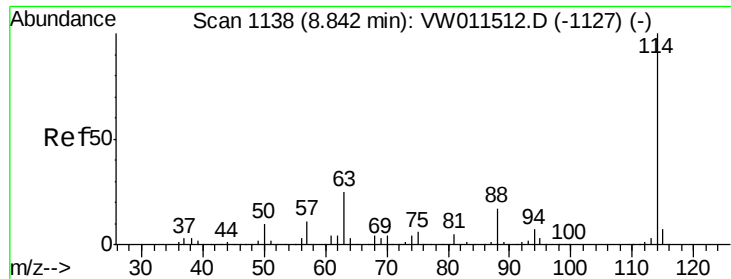
Tgt Ion: 65 Resp: 21808

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.2

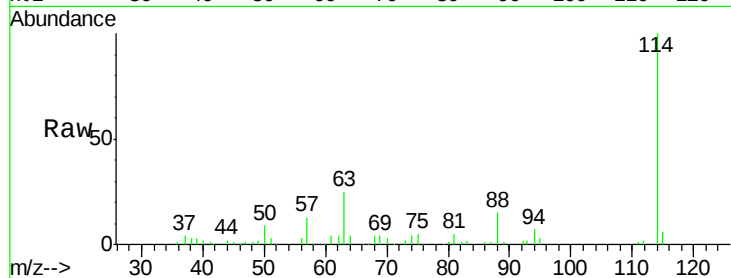




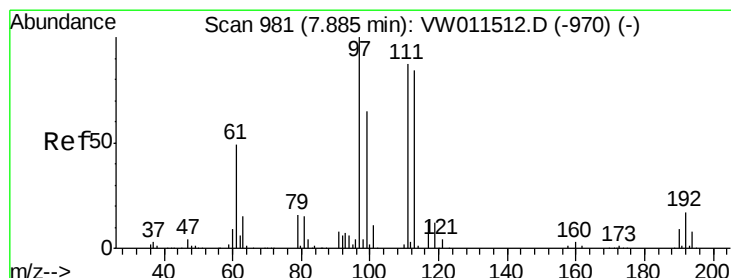
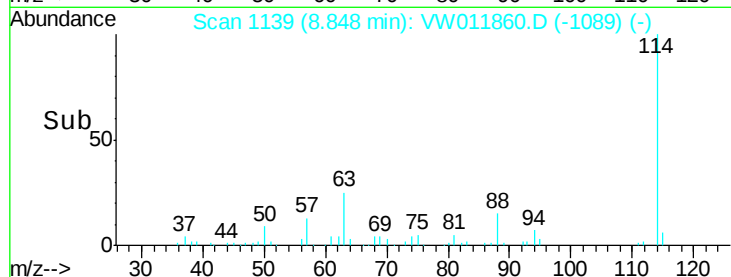
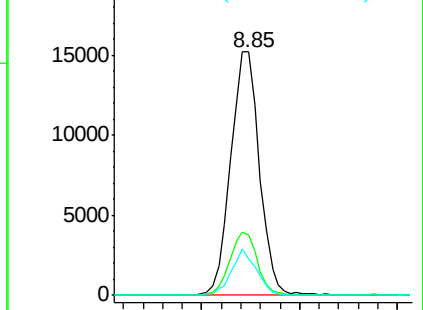
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW011860.D
Acq: 12 Aug 2019 18:41

Instrument :
MSVOA_W
ClientSampleId :
SP-4RE

Tot Ion:114 Resp: 31004
Ion Ratio Lower Upper
114 100
63 25.0 0.0 49.2
88 14.8 0.0 33.8

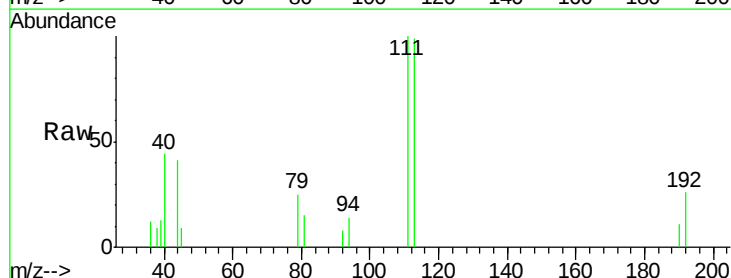


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

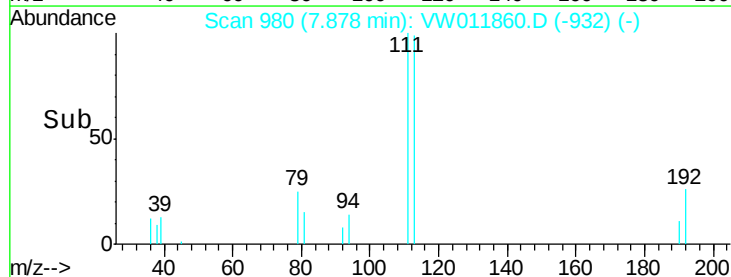
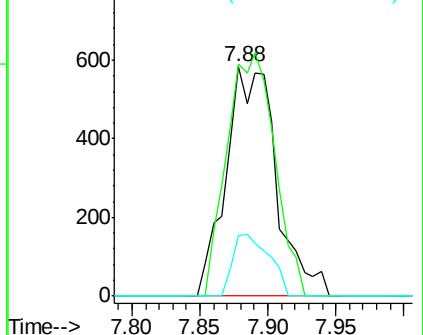


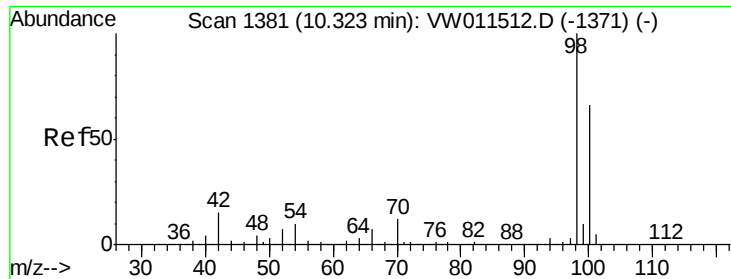
#35
Dibromofluoromethane
Concen: 8.647 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011860.D
Acq: 12 Aug 2019 18:41

Tgt Ion:113 Resp: 1504
Ion Ratio Lower Upper
113 100
111 100.7 82.7 124.1
192 19.5 16.1 24.1



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





#50

Toluene-d8

Concen: 23.492 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

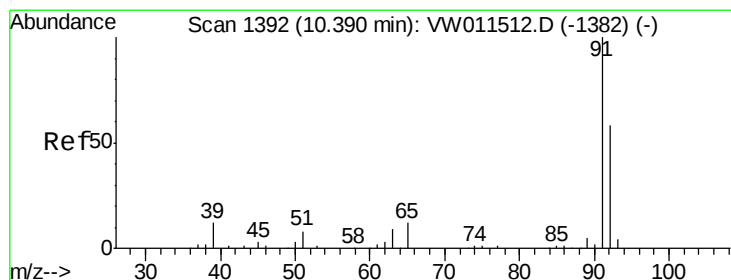
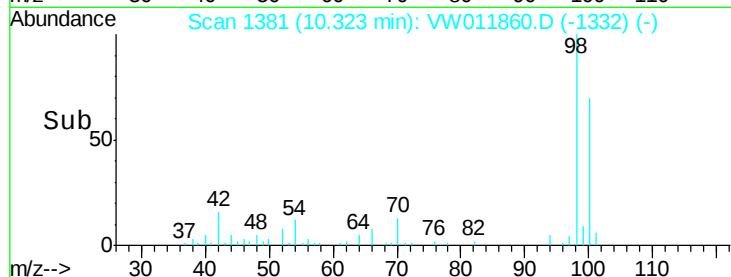
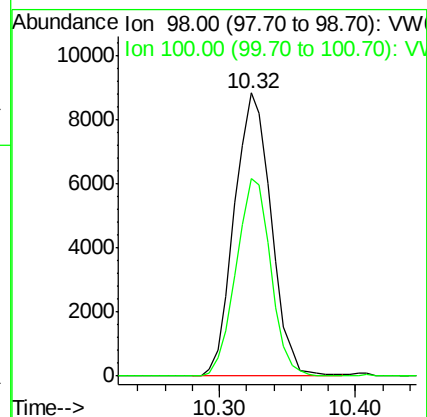
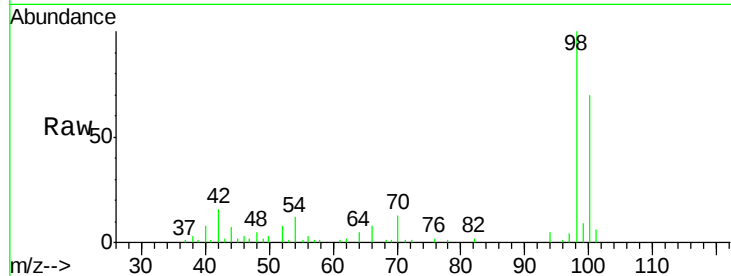
SP-4RE

Tot Ion: 98 Resp: 16730

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



#52

Toluene

Concen: 3.009 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011860.D

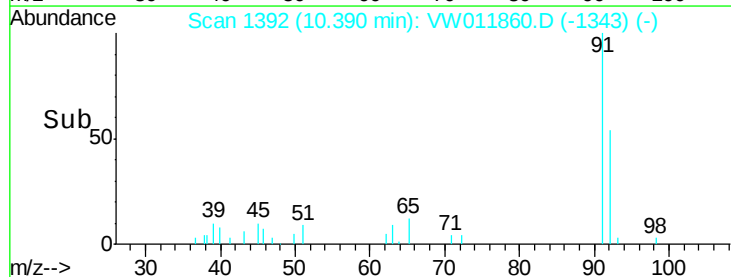
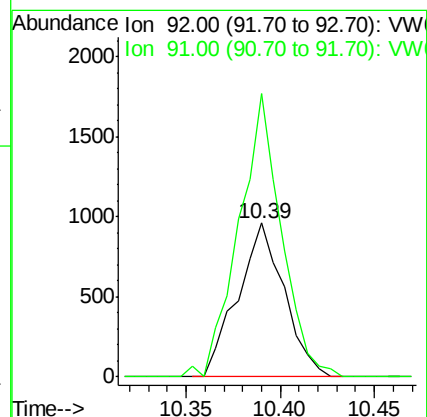
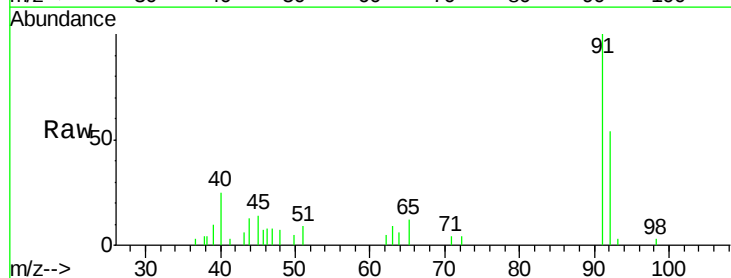
Acq: 12 Aug 2019 18:41

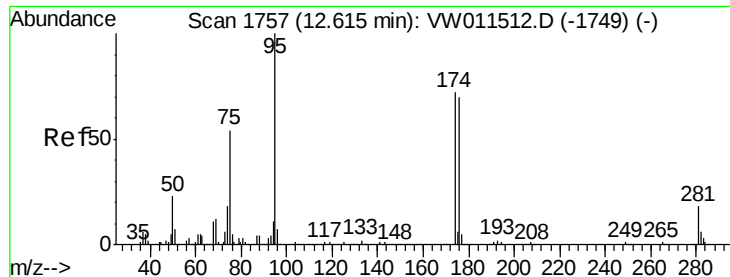
Tgt Ion: 92 Resp: 1641

Ion Ratio Lower Upper

92 100

91 169.1 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 40.993 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

SP-4RE

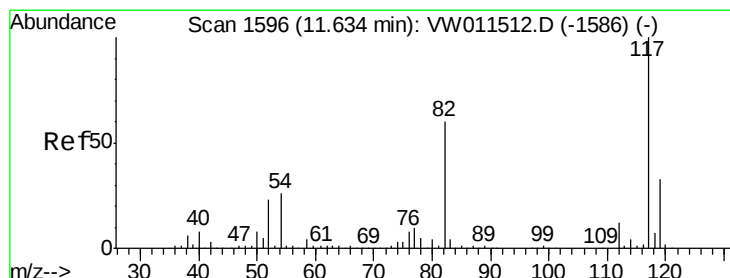
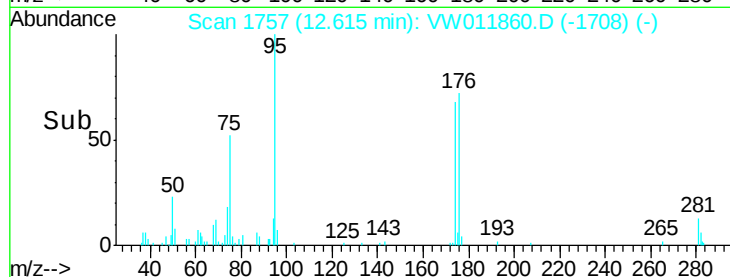
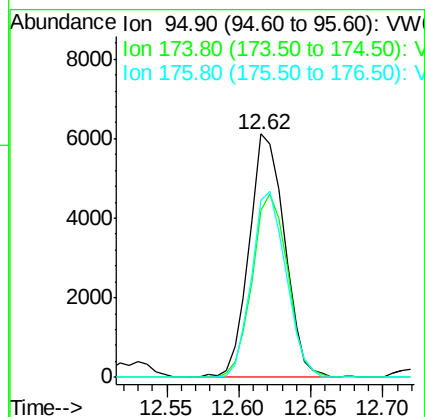
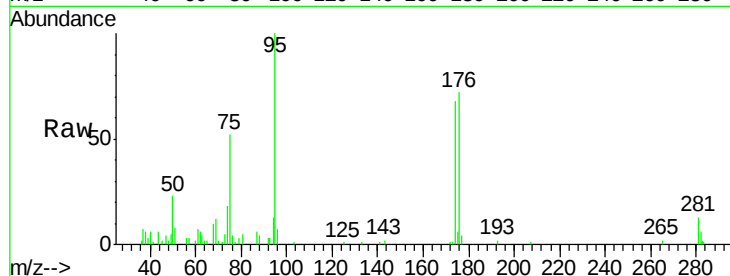
Tot Ion: 95 Resp: 10408

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 74.1 0.0 144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

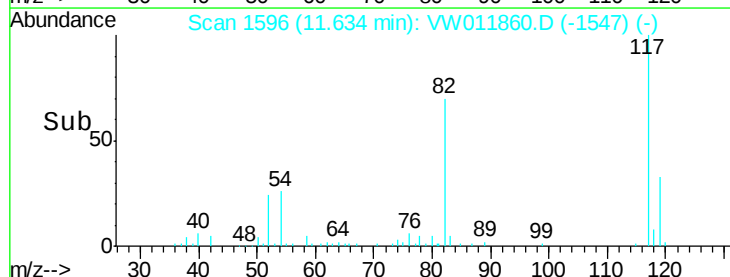
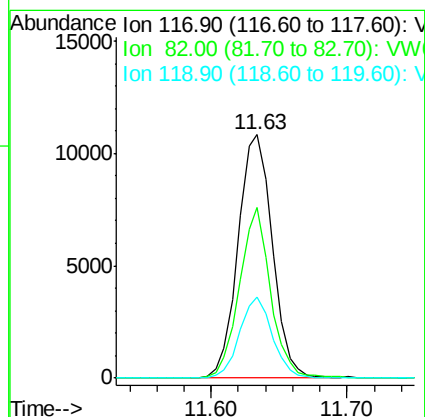
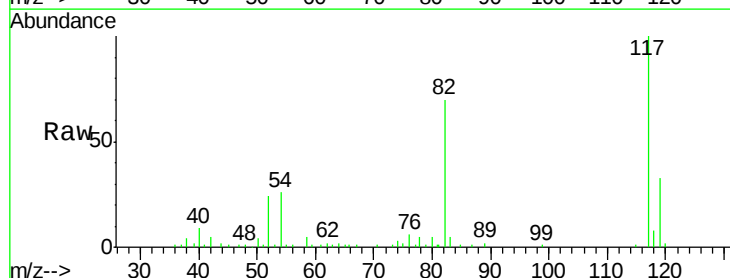
Tgt Ion: 117 Resp: 19038

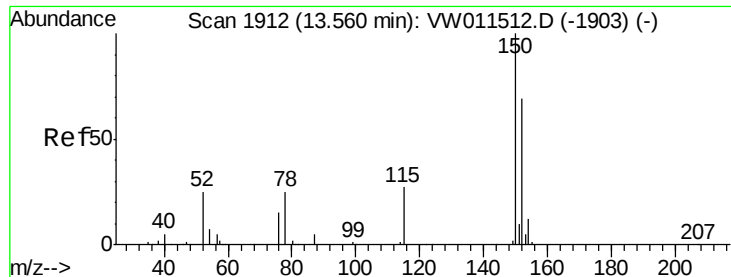
Ion Ratio Lower Upper

117 100

82 70.2 47.9 71.9

119 33.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

SP-4RE

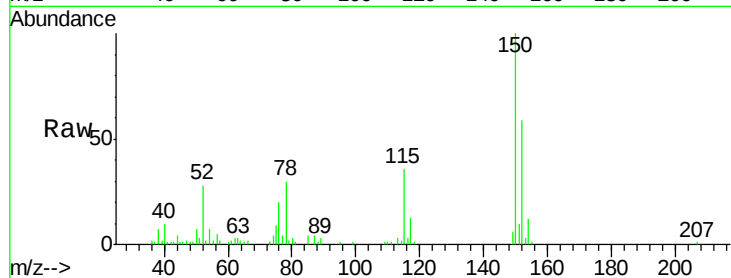
Tot Ion:152 Resp: 9366

Ion Ratio Lower Upper

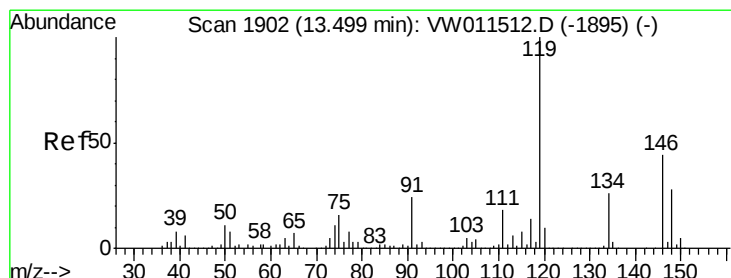
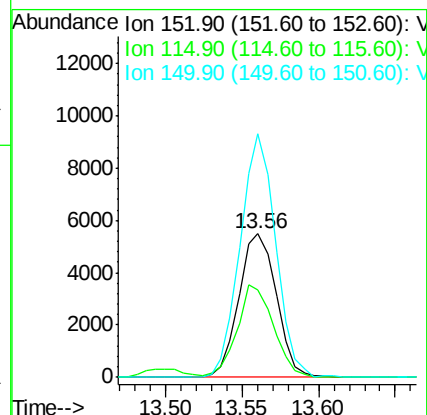
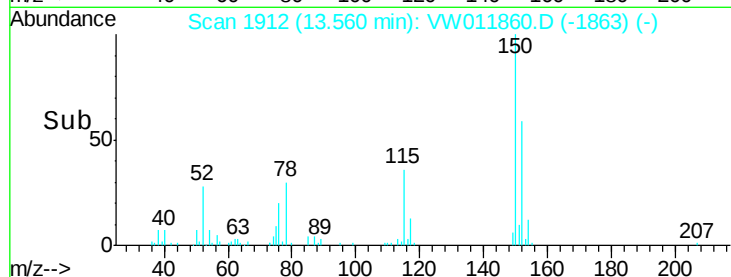
152 100

115 61.9 30.5 91.5

150 159.9 0.0 352.6



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



#86

p-Isopropyltoluene

Concen: 8.497 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011860.D

Acq: 12 Aug 2019 18:41

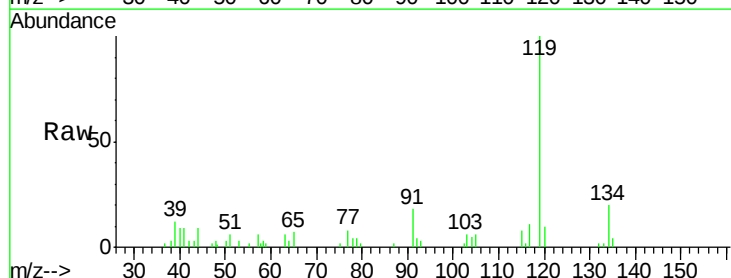
Tgt Ion:119 Resp: 5388

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 39.6 12.1 36.3#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

