

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013386.D
 Acq On : 02 Oct 2019 18:38
 Operator : SY/VA
 Sample : K5148-01
 Misc : 8.28G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100119

Quant Time: Oct 03 07:33:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	166940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132082	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	7.88	113	135400	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.32	98	554435	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	169028	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

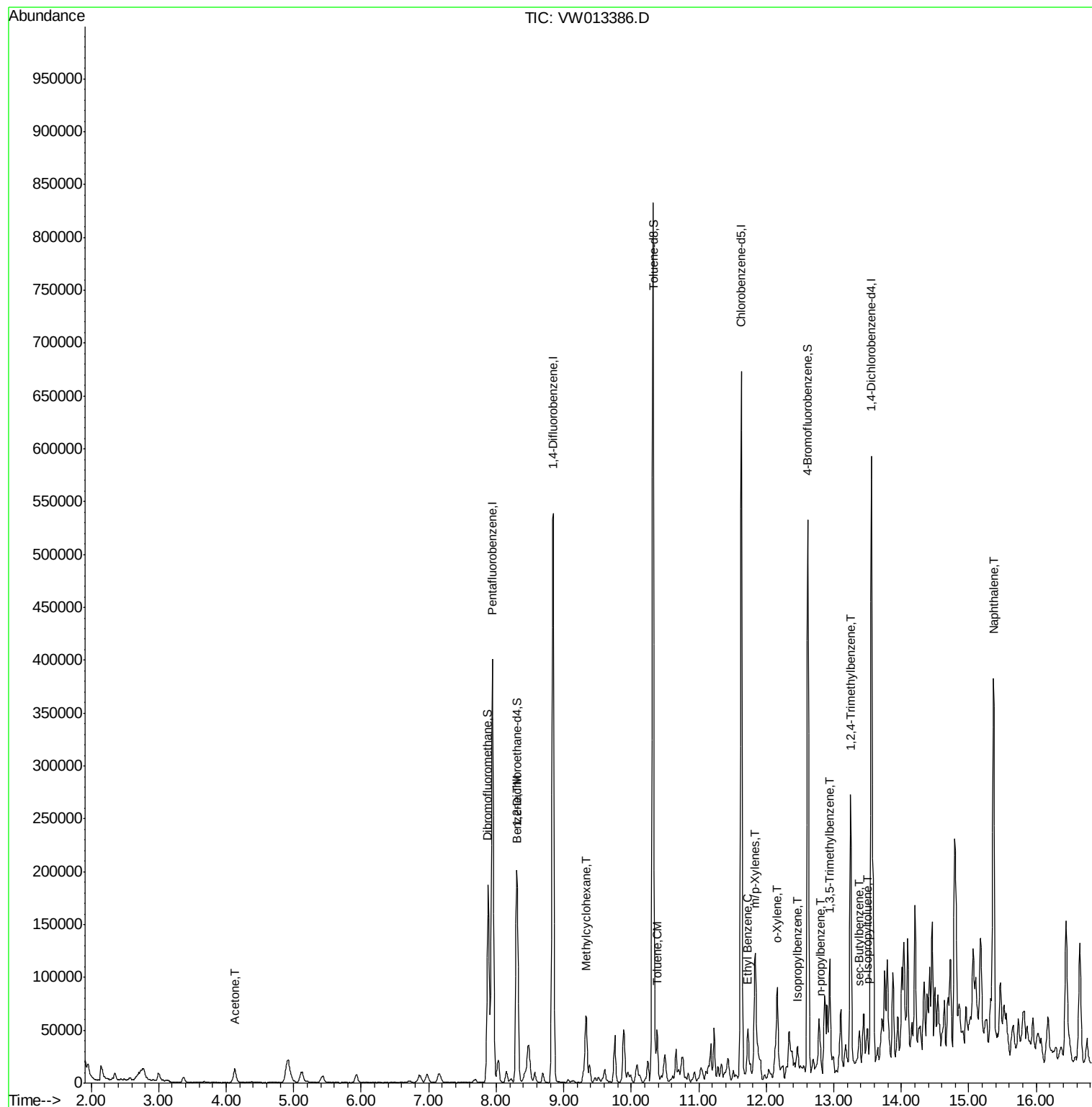
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	23377	31.676	ug/l	92
39) Methylcyclohexane	9.33	83	24469	4.097	ug/l	89
40) Benzene	8.32	78	54134	4.217	ug/l	100
52) Toluene	10.38	92	20333	2.456	ug/l	97
67) Ethyl Benzene	11.73	91	26948	1.847	ug/l	96
68) m/p-Xylenes	11.83	106	35307	6.270	ug/l	97
69) o-Xylene	12.16	106	20698	3.976	ug/l	96
73) Isopropylbenzene	12.46	105	14026	1.149	ug/l	97
78) n-propylbenzene	12.80	91	16347	1.164	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	39532	3.897	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	140613	13.944	ug/l	99
85) sec-Butylbenzene	13.38	105	17543	1.436	ug/l #	78
86) p-Isopropyltoluene	13.50	119	17025	1.504	ug/l	96
95) Naphthalene	15.36	128	308617	52.276	ug/l	99

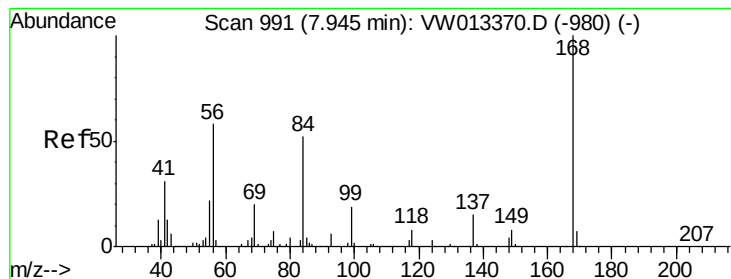
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100219\
Data File : VW013386.D
Acq On : 02 Oct 2019 18:38
Operator : SY/VA
Sample : K5148-01
Misc : 8.28G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-02-100119

Quant Time: Oct 03 07:33:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

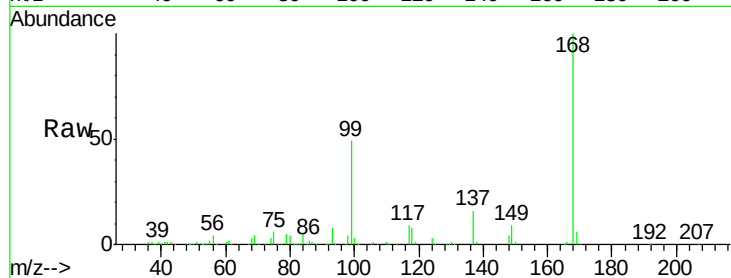
OR-02-100119

Tot Ion:168 Resp: 322456

Ion Ratio Lower Upper

168 100

99 48.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

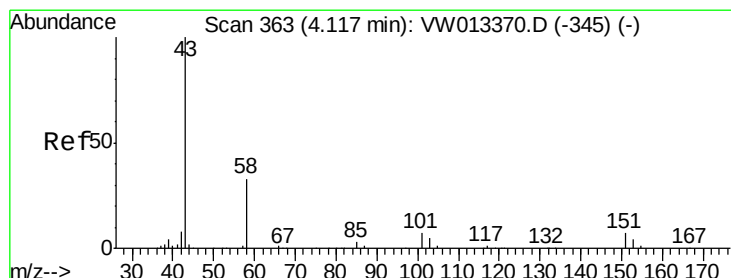
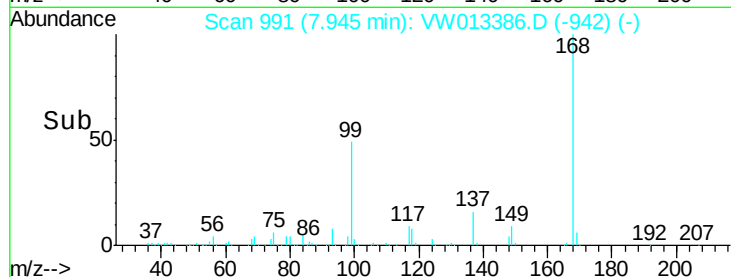
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 31.676 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013386.D

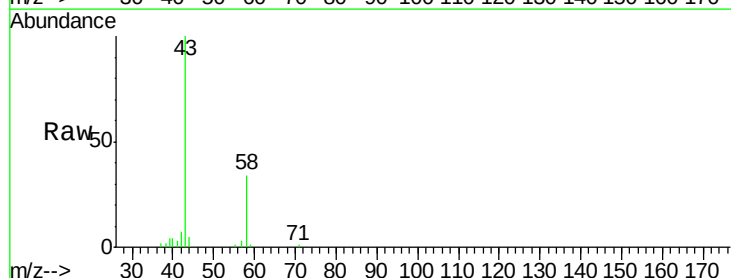
Acq: 02 Oct 2019 18:38

Tgt Ion: 43 Resp: 23377

Ion Ratio Lower Upper

43 100

58 34.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

8000

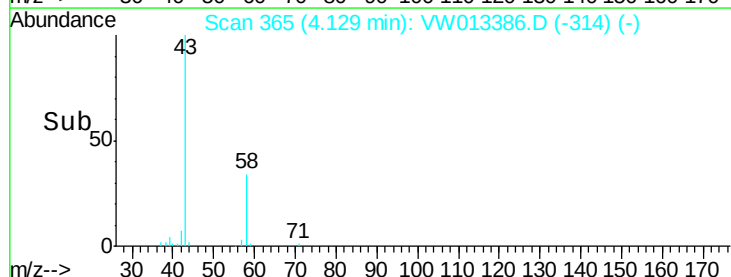
6000

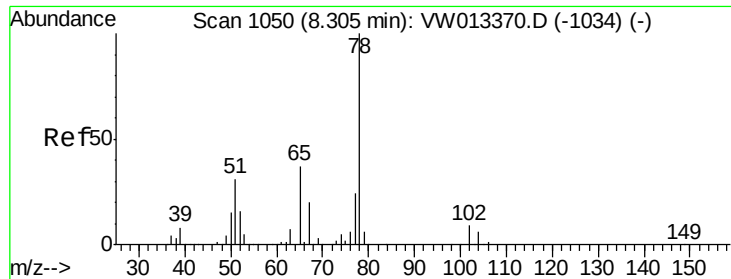
4000

2000

0

Time-->

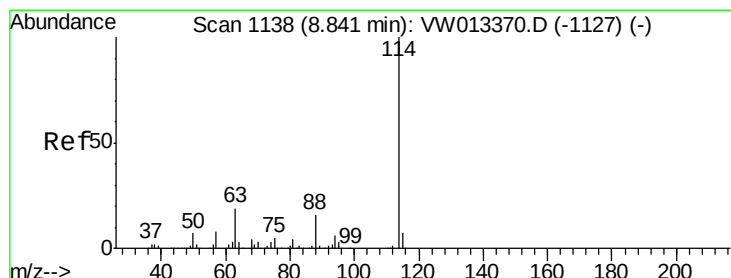
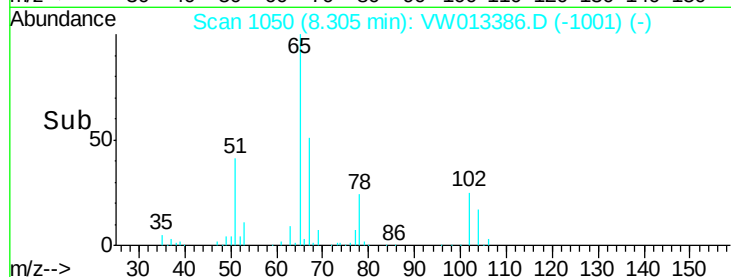
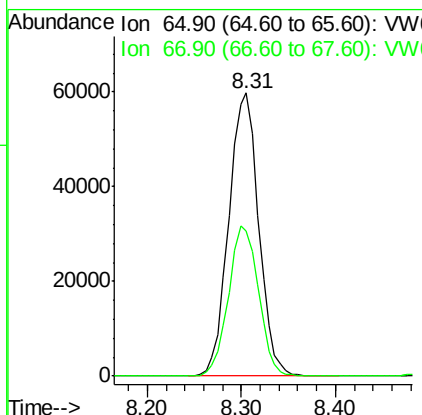
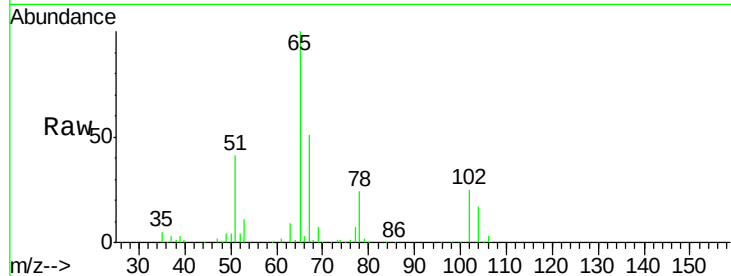




#33
 1,2-Dichloroethane-d4
 Concen: 54.858 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

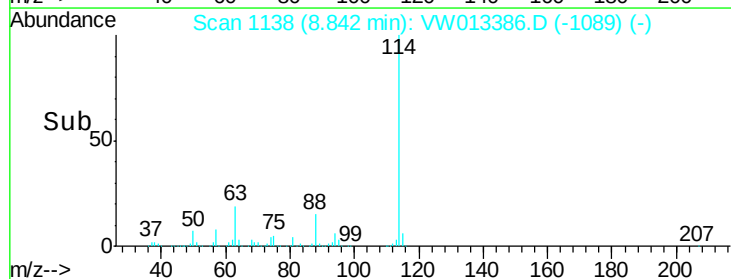
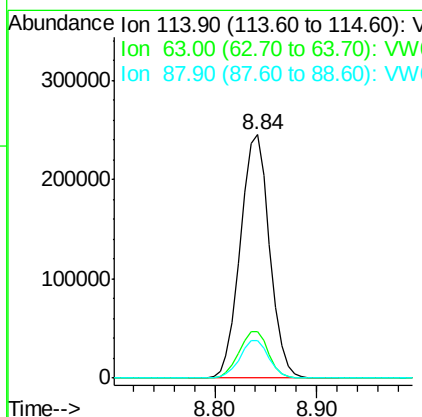
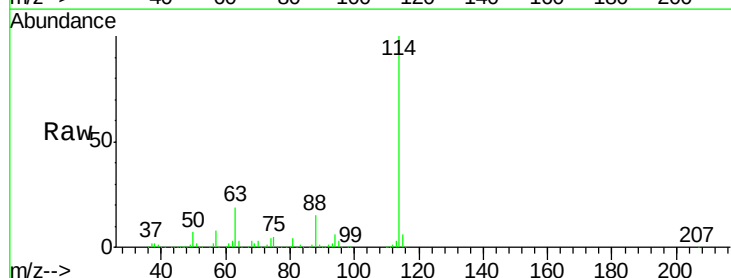
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100119

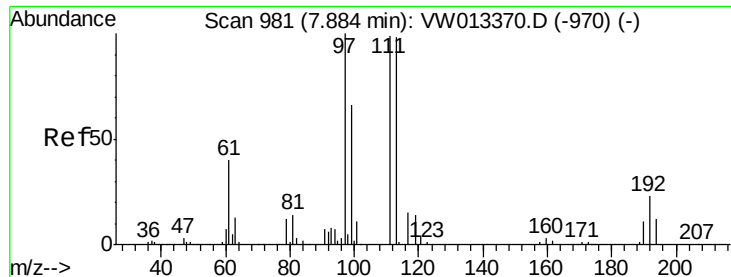
Tot Ion: 65 Resp: 132082
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

Tgt Ion: 114 Resp: 488277
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.5 0.0 32.0

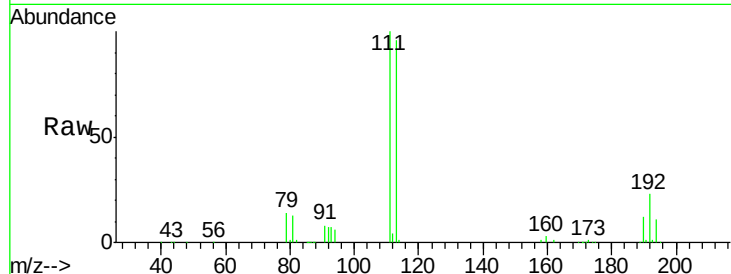




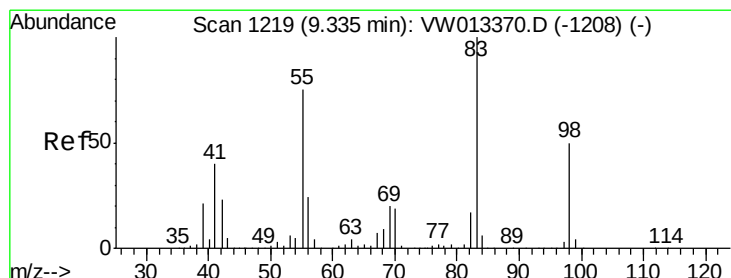
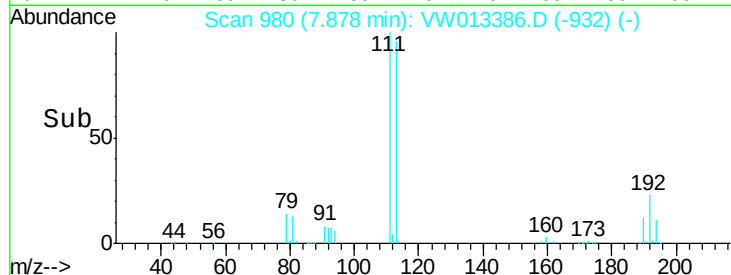
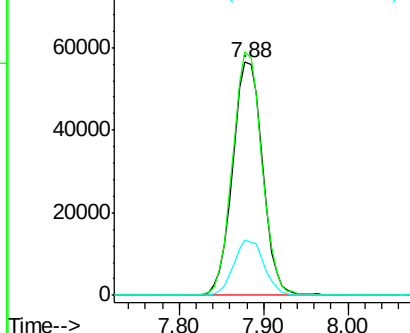
#35
Dibromofluoromethane
Concen: 52.847 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
OR-02-100119

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	23.7	19.1	28.7

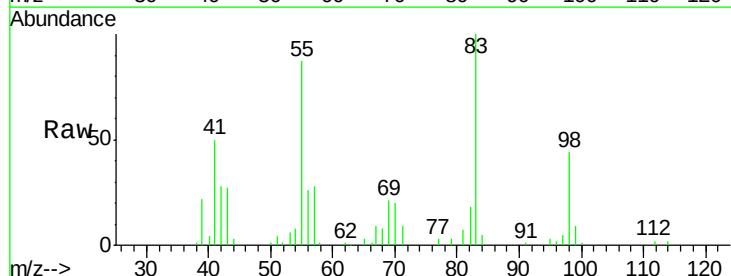


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

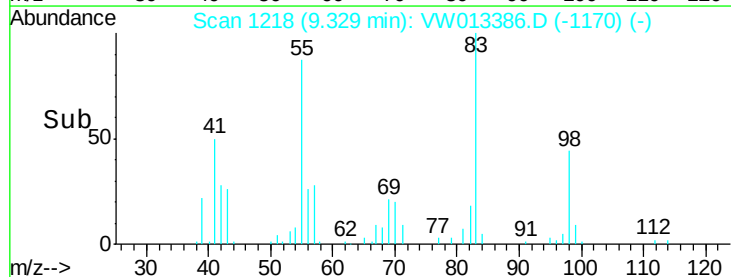
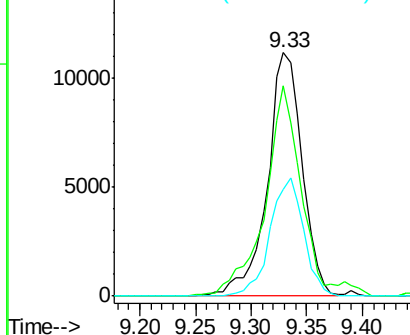


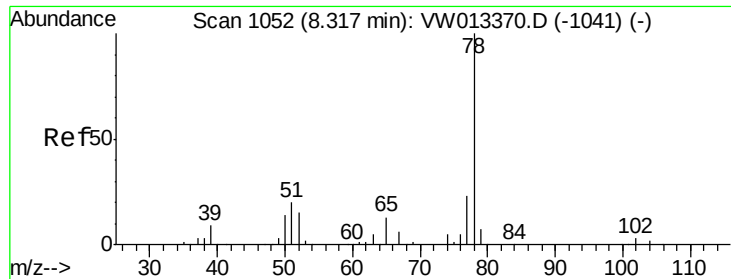
#39
Methylcyclohexane
Concen: 4.097 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.6	60.4	90.6
98	44.0	40.0	60.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 4.217 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

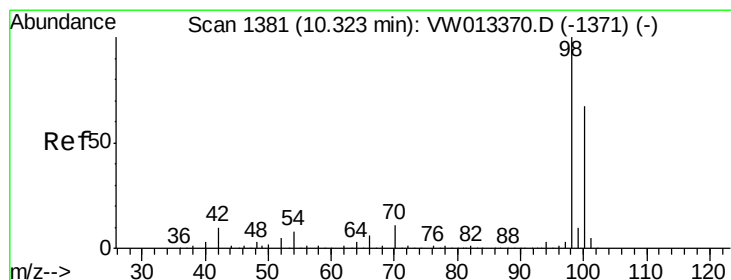
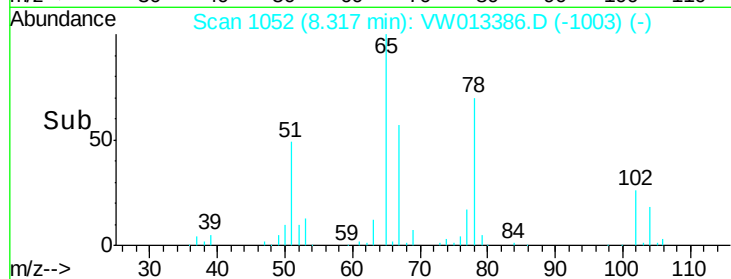
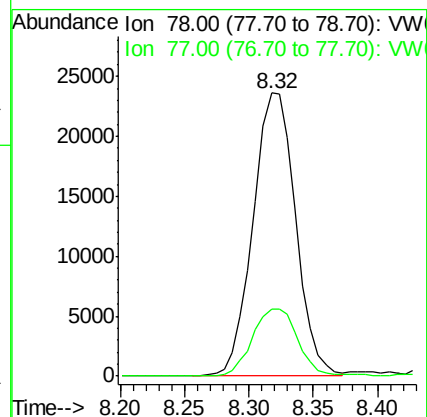
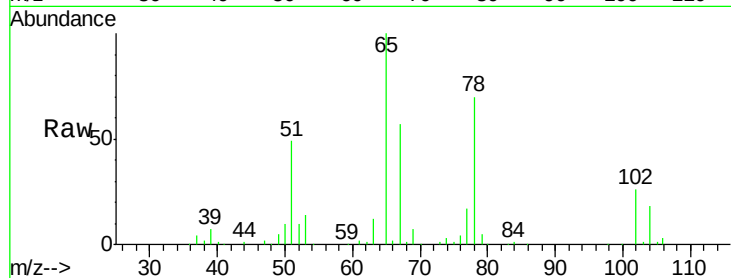
OR-02-100119

Tot Ion: 78 Resp: 54134

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7



#50

Toluene-d8

Concen: 52.146 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013386.D

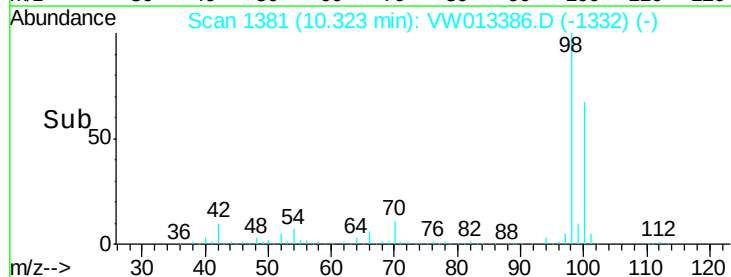
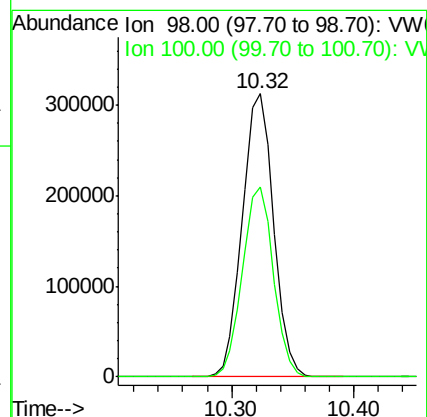
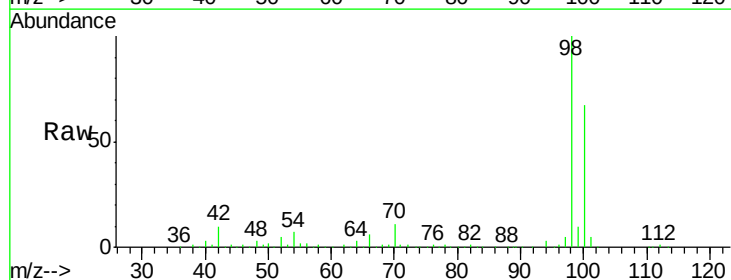
Acq: 02 Oct 2019 18:38

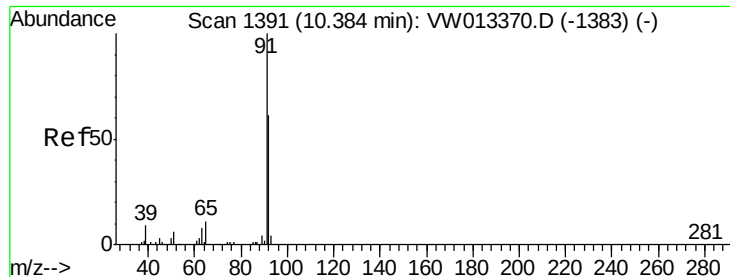
Tgt Ion: 98 Resp: 554435

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3





#52

Toluene

Concen: 2.456 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

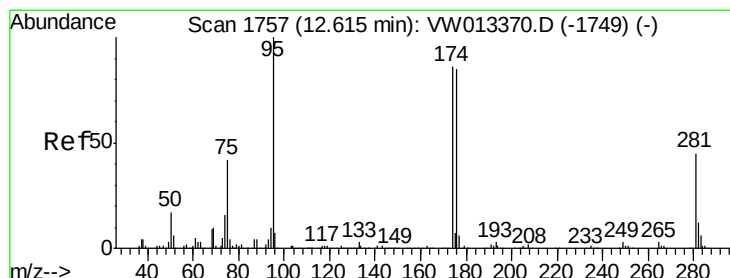
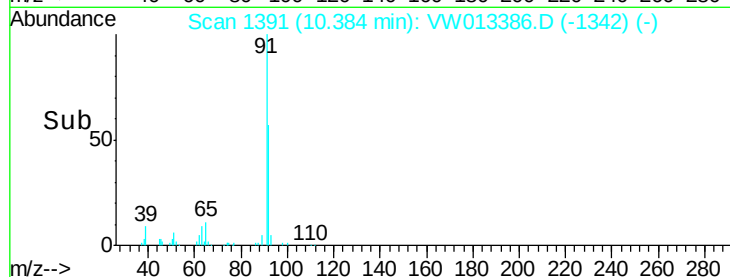
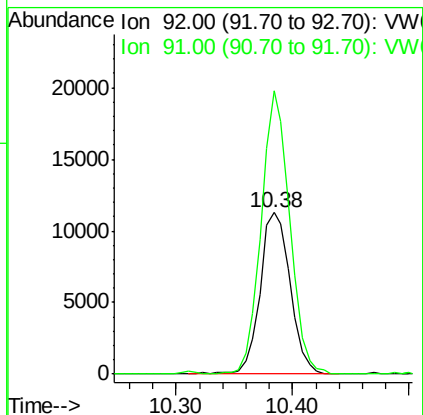
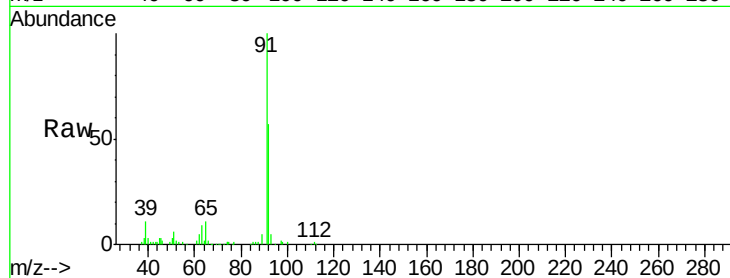
OR-02-100119

Tot Ion: 92 Resp: 20333

Ion Ratio Lower Upper

92 100

91 165.7 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 47.607 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

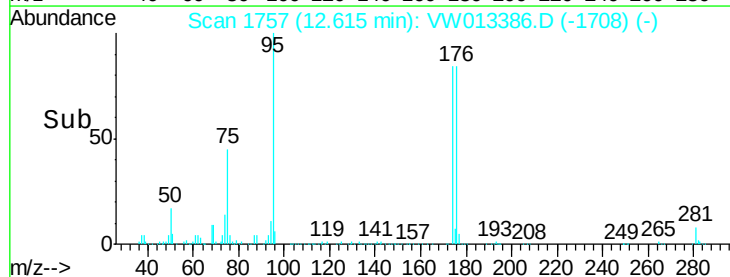
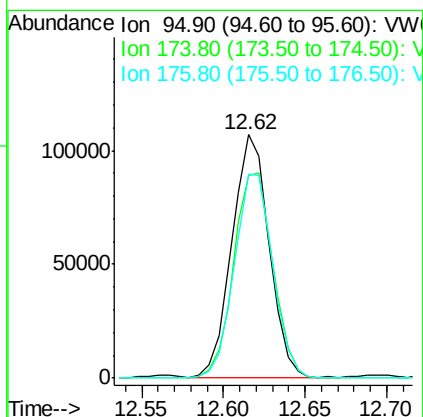
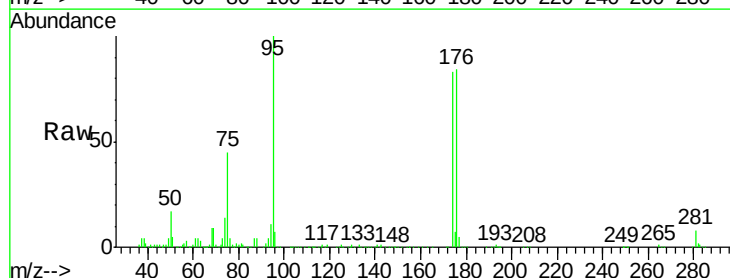
Tgt Ion: 95 Resp: 169028

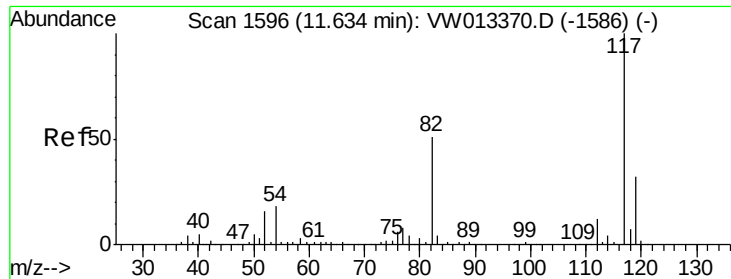
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.4

176 87.1 0.0 172.2

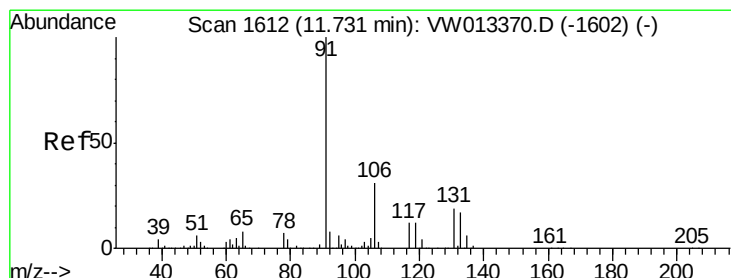
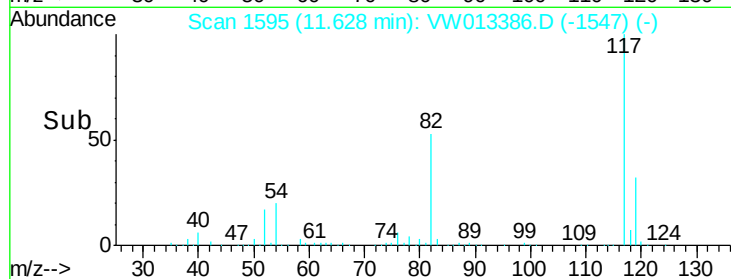
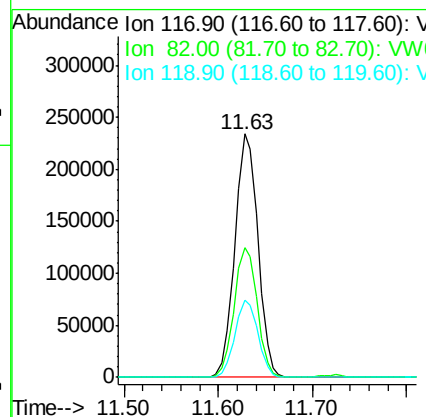
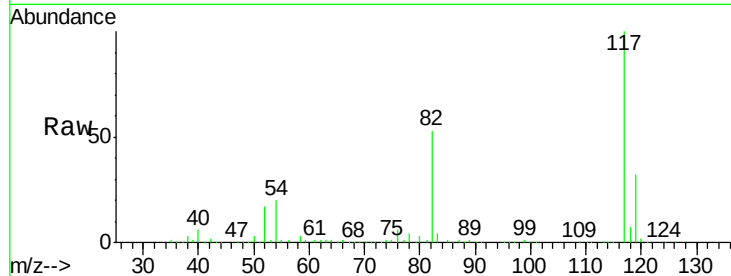




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

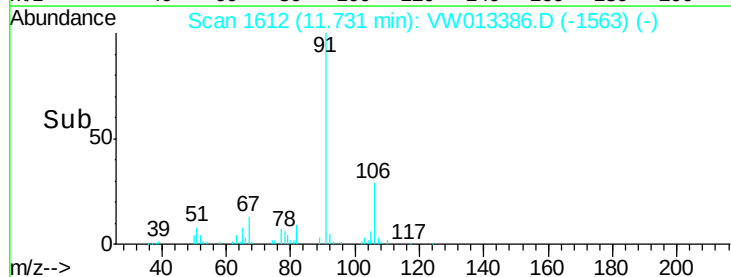
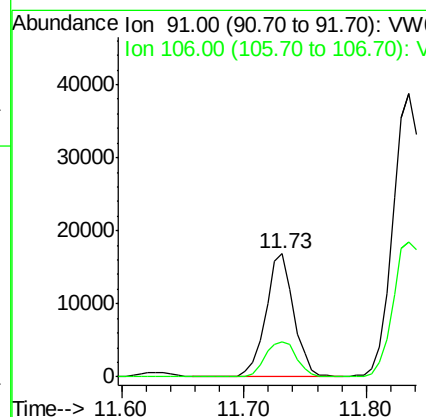
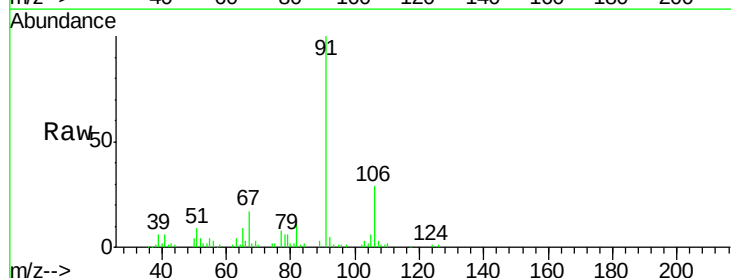
Instrument :
MSVOA_W
ClientSampleId :
OR-02-100119

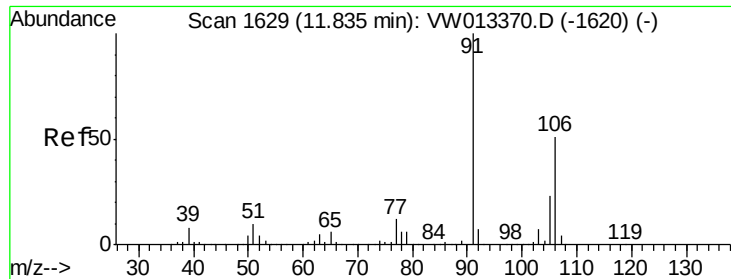
Tot Ion:117 Resp: 397299
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 32.0 26.2 39.2



#67
Ethyl Benzene
Concen: 1.847 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

Tgt Ion: 91 Resp: 26948
Ion Ratio Lower Upper
91 100
106 28.6 24.9 37.3

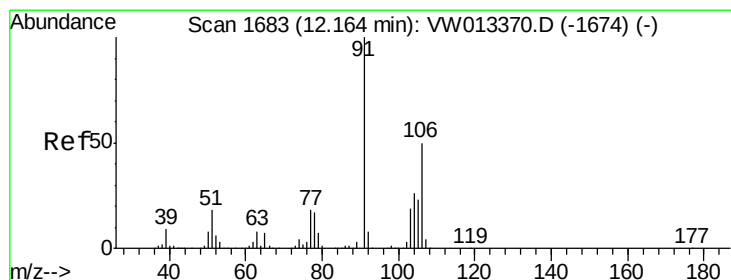
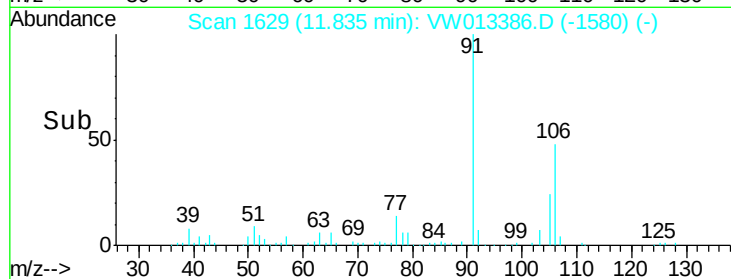
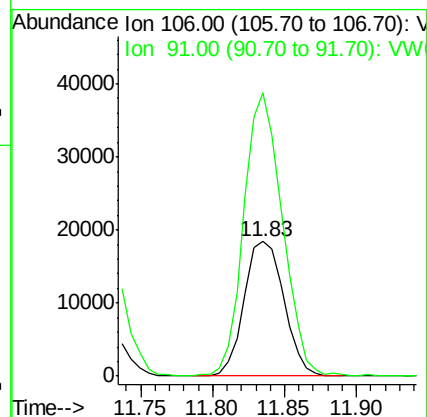
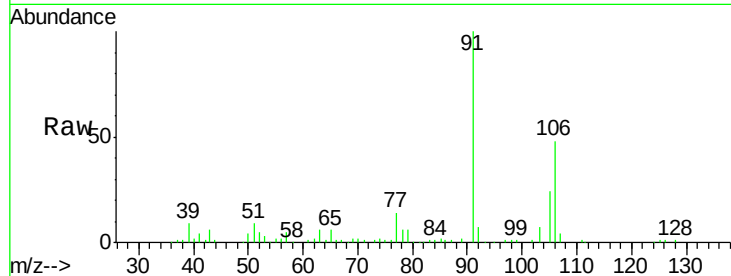




#68
m/p-Xylenes
Concen: 6.270 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

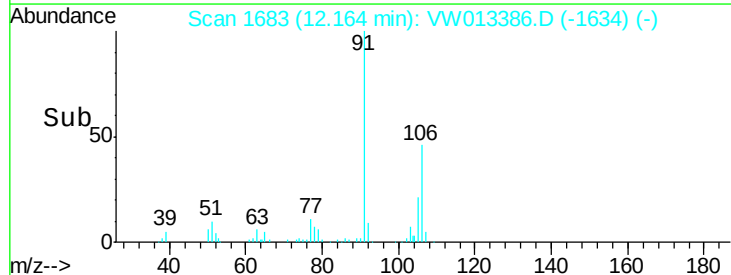
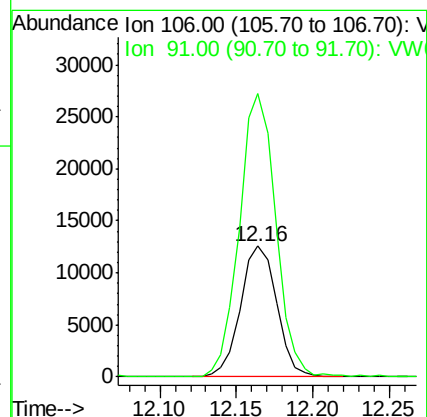
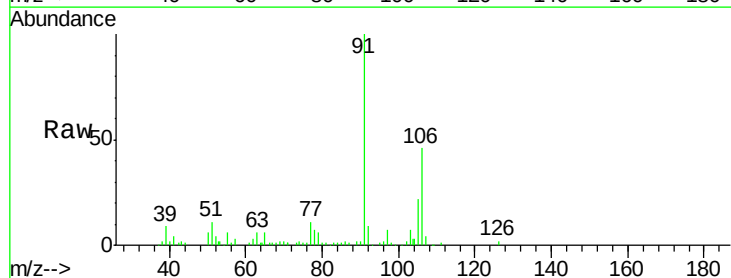
Instrument :
MSVOA_W
ClientSampled :
OR-02-100119

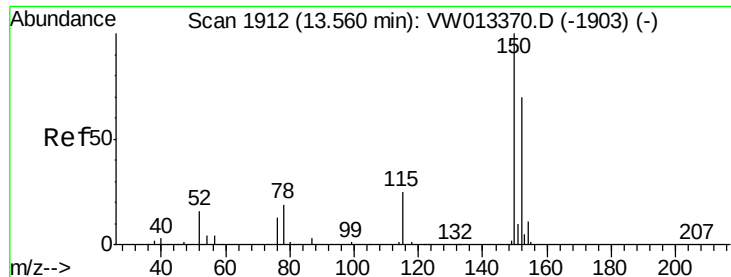
Tot Ion:106 Resp: 35307
Ion Ratio Lower Upper
106 100
91 202.3 157.9 236.9



#69
o-Xylene
Concen: 3.976 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013386.D
Acq: 02 Oct 2019 18:38

Tgt Ion:106 Resp: 20698
Ion Ratio Lower Upper
106 100
91 218.7 106.5 319.5

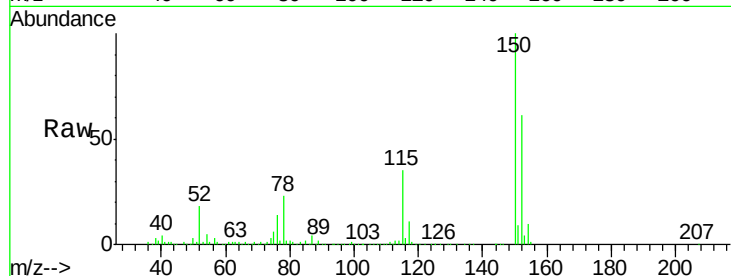




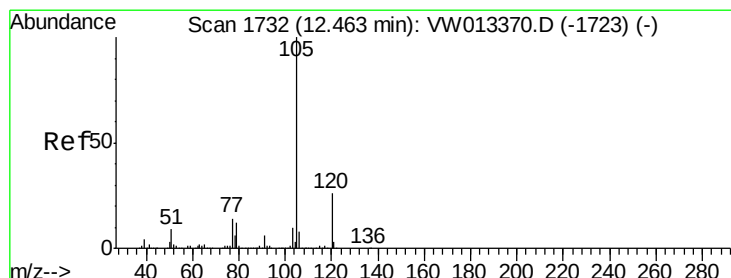
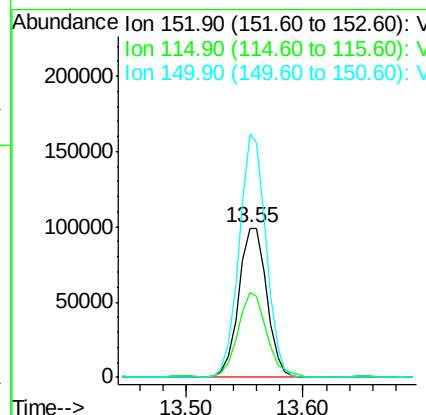
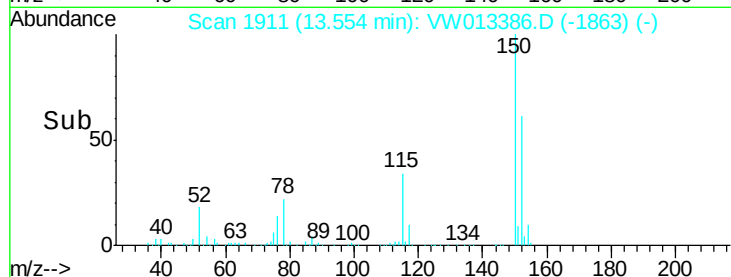
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-100119

Tot Ion:152 Resp: 166940
 Ion Ratio Lower Upper
 152 100
 115 58.2 27.3 81.9
 150 155.6 0.0 349.0

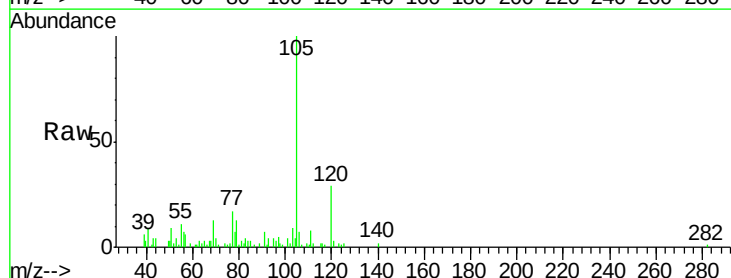


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

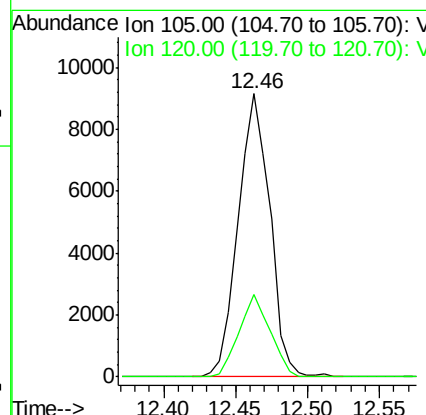
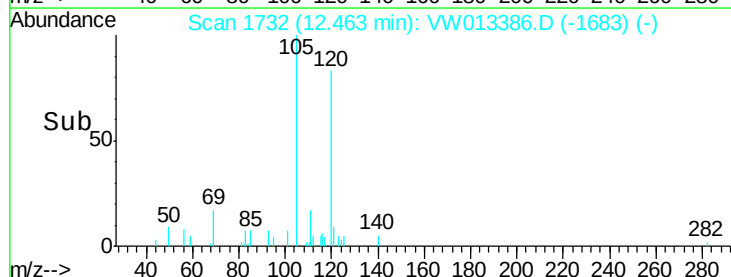


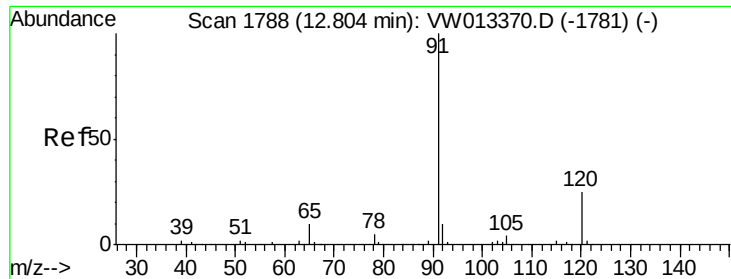
#73
 Isopropylbenzene
 Concen: 1.149 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

Tgt Ion:105 Resp: 14026
 Ion Ratio Lower Upper
 105 100
 120 28.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.164 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

Instrument :

MSVOA_W

ClientSampled :

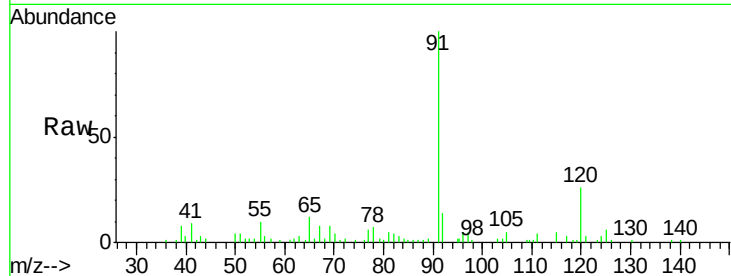
OR-02-100119

Tot Ion: 91 Resp: 16347

Ion Ratio Lower Upper

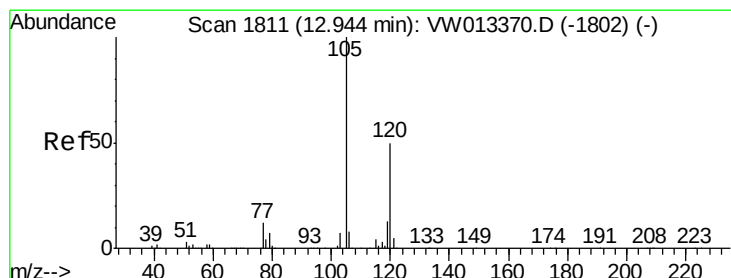
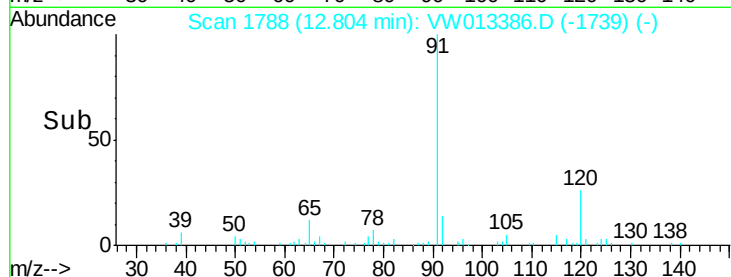
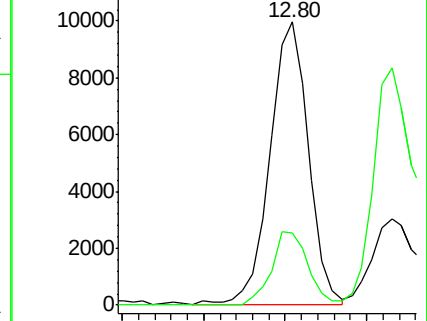
91 100

120 24.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 3.897 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013386.D

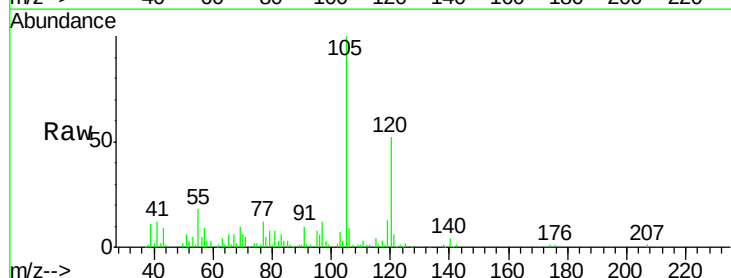
Acq: 02 Oct 2019 18:38

Tgt Ion: 105 Resp: 39532

Ion Ratio Lower Upper

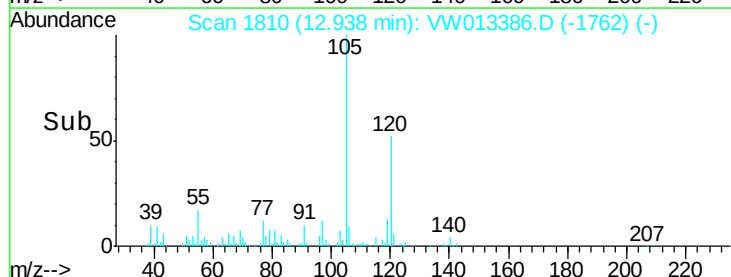
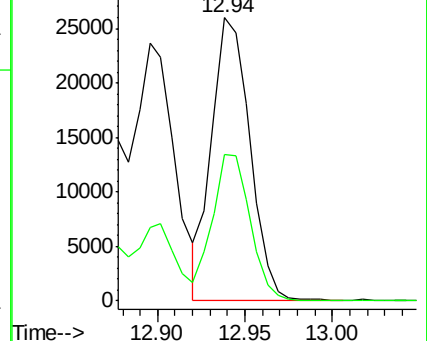
105 100

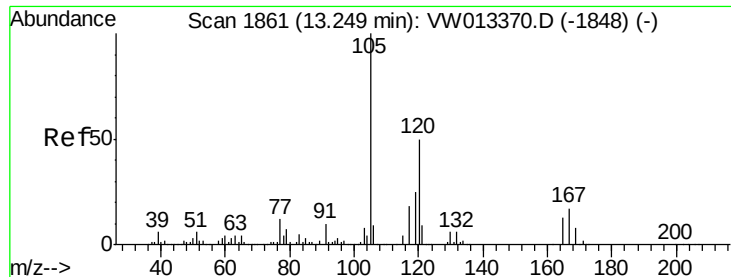
120 51.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

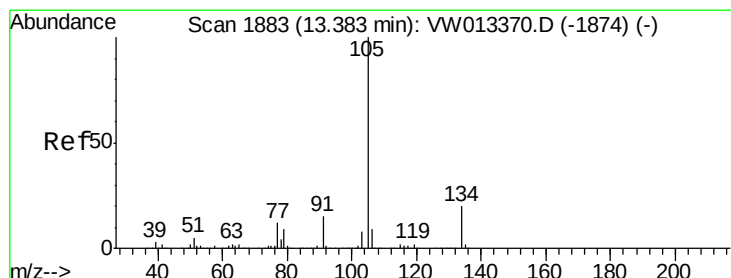
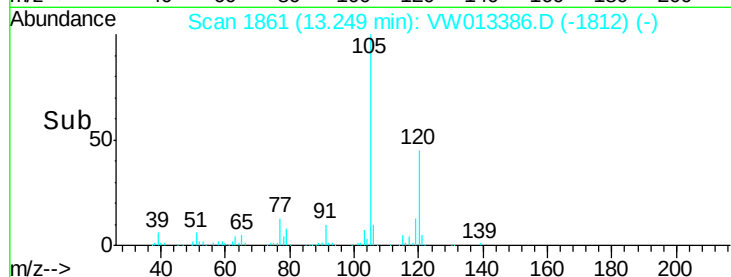
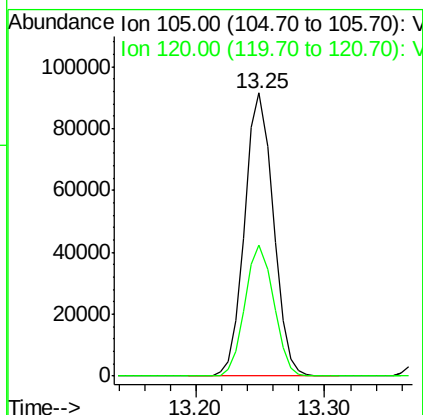
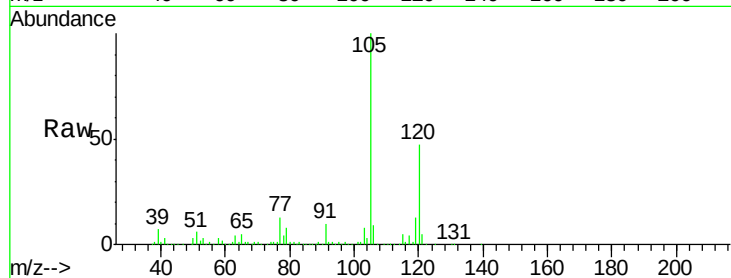




#84
 1,2,4-Trimethylbenzene
 Concen: 13.944 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

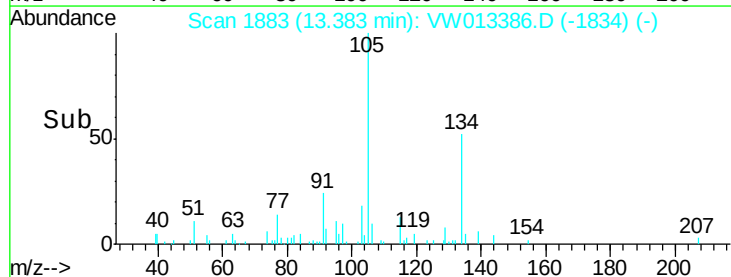
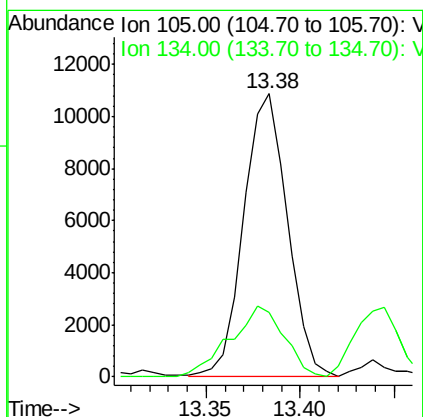
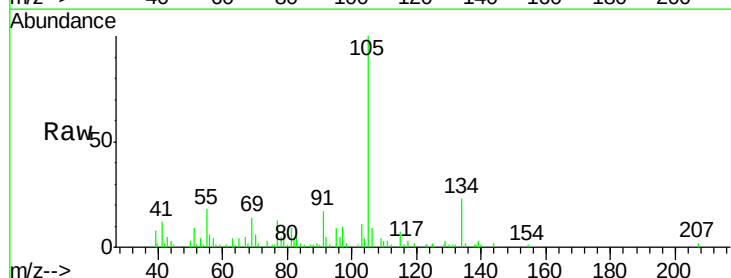
Instrument :
 MSVOA_W
 ClientSampled :
 OR-02-100119

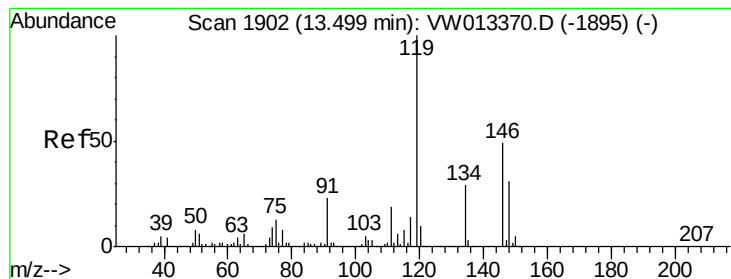
Tot Ion:105 Resp: 140613
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 1.436 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013386.D
 Acq: 02 Oct 2019 18:38

Tgt Ion:105 Resp: 17543
 Ion Ratio Lower Upper
 105 100
 134 30.8 10.3 30.8#





#86

p-Isopropyltoluene

Concen: 1.504 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

OR-02-100119

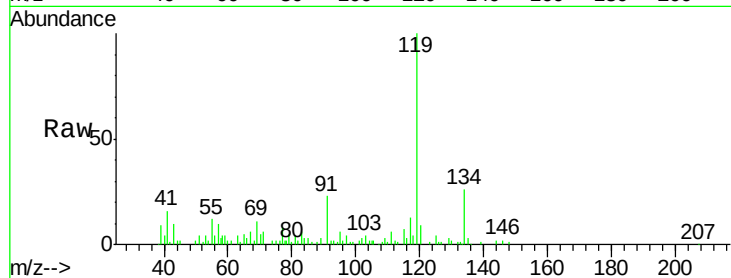
Tot Ion:119 Resp: 17025

Ion Ratio Lower Upper

119 100

134 25.2 13.3 39.8

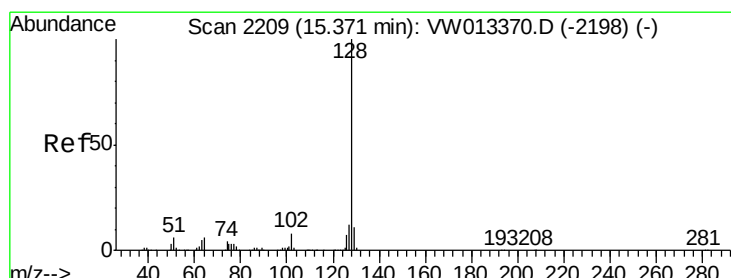
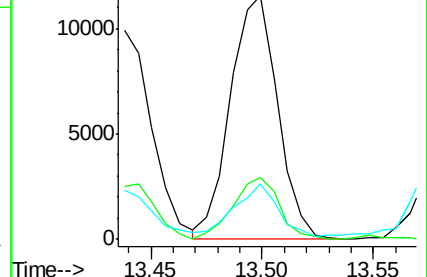
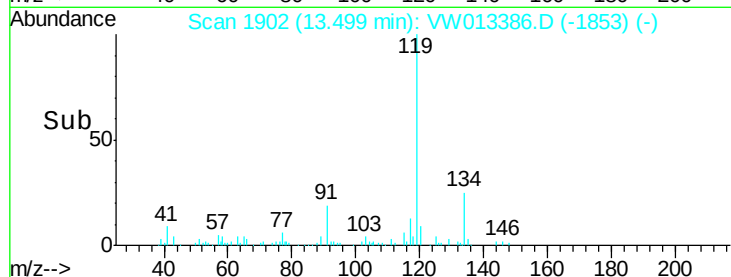
91 18.5 10.8 32.4



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



#95

Naphthalene

Concen: 52.276 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013386.D

Acq: 02 Oct 2019 18:38

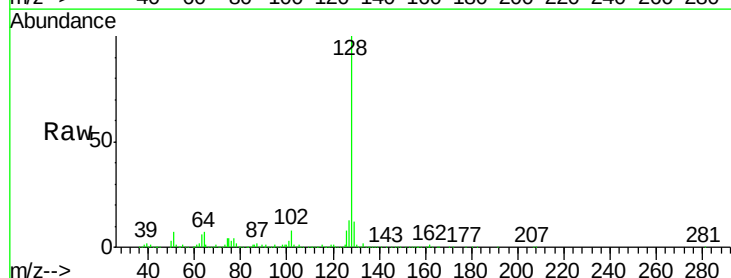
Tgt Ion:128 Resp: 308617

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.4 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

