

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067755.D
 Acq On : 23 Nov 2020 19:32
 Operator : VA/SY
 Sample : L4873-01
 Misc : 5.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-112320

Quant Time: Nov 24 01:23:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	431813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117331	49.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.74%
35) Dibromofluoromethane	7.91	113	118195	49.43	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.86%
50) Toluene-d8	10.34	98	441897	50.55	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.10%
62) 4-Bromofluorobenzene	12.64	95	215483	72.11	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	144.22%#

Target Compounds

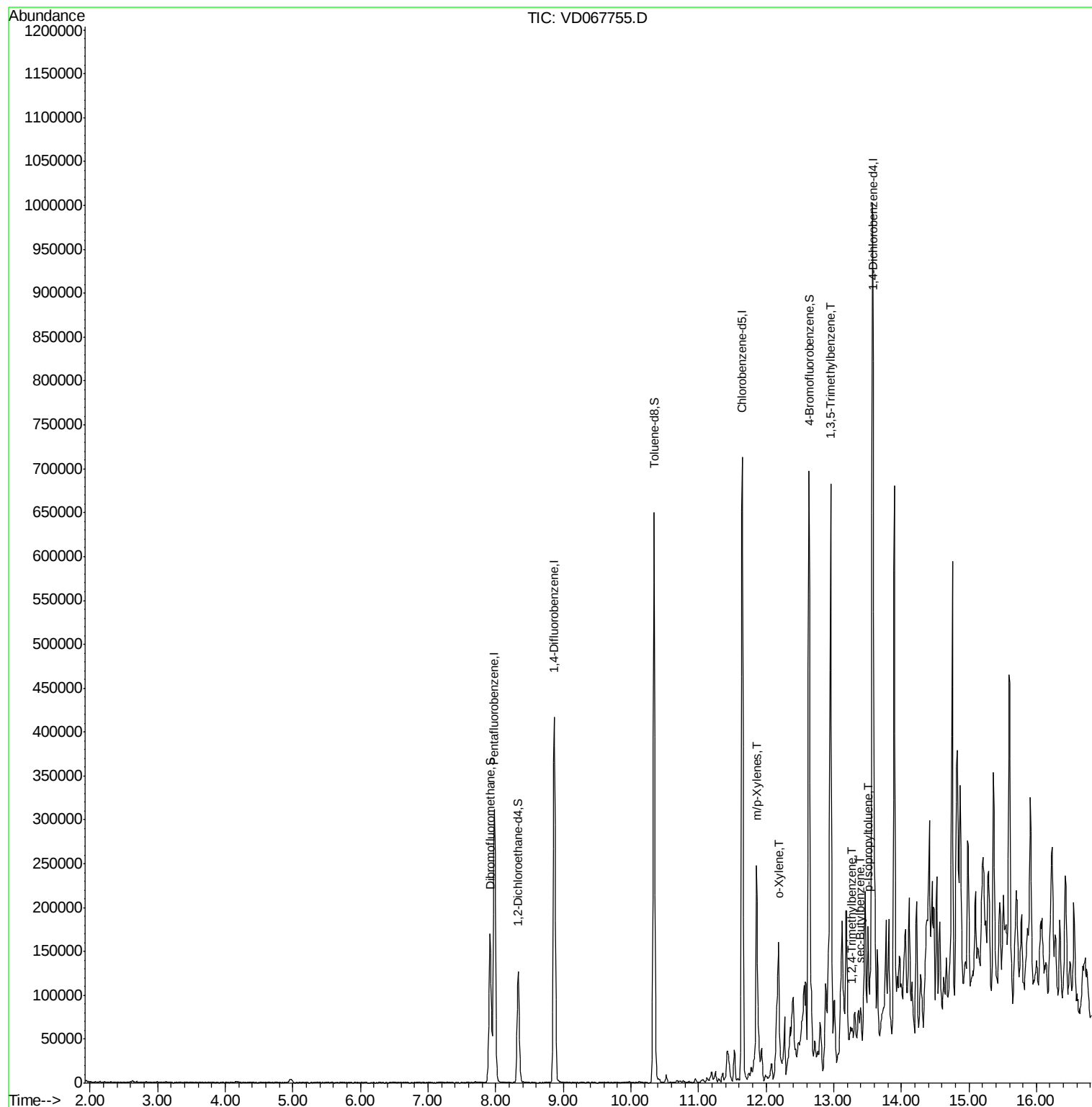
					Qvalue
68) m/p-Xylenes	11.86	106	8368	1.468	ug/l 95
69) o-Xylene	12.18	106	34291	6.606	ug/l 96
80) 1,3,5-Trimethylbenzene	12.96	105	104285	7.507	ug/l 98
84) 1,2,4-Trimethylbenzene	13.27	105	15024	1.083	ug/l 96
85) sec-Butylbenzene	13.40	105	17713	1.129	ug/l 78
86) p-Isopropyltoluene	13.52	119	18271	1.203	ug/l 95

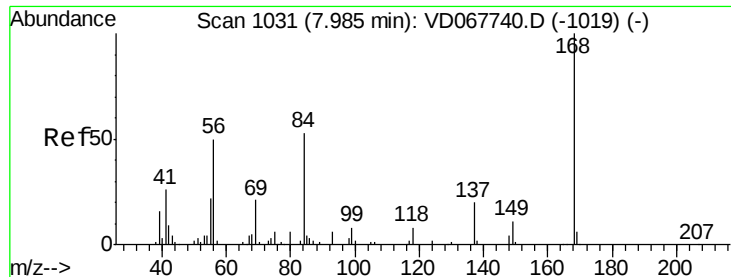
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
Data File : VD067755.D
Acq On : 23 Nov 2020 19:32
Operator : VA/SY
Sample : L4873-01
Misc : 5.76G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-01-112320

Quant Time: Nov 24 01:23:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

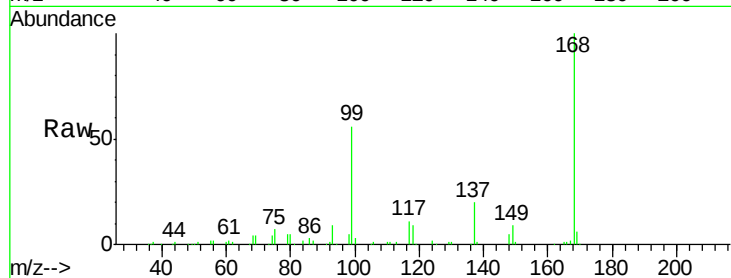
HR-01-112320

Tot Ion:168 Resp: 244399

Ion Ratio Lower Upper

168 100

99 56.3 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

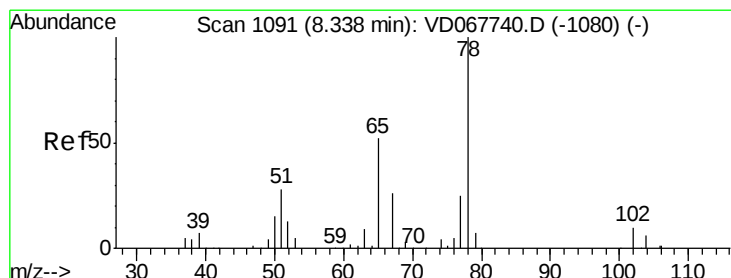
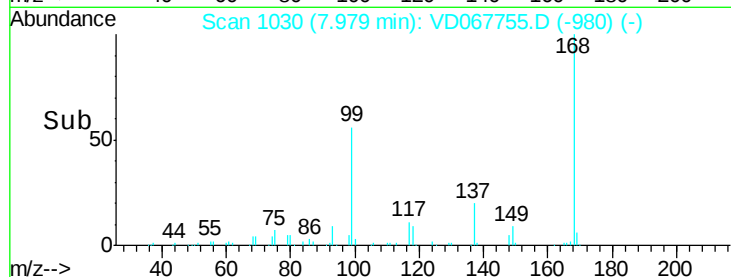
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.375 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067755.D

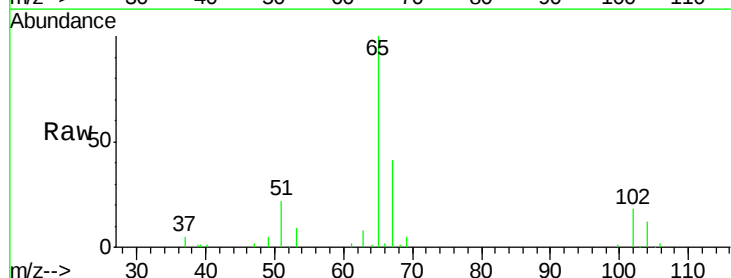
Acq: 23 Nov 2020 19:32

Tgt Ion: 65 Resp: 117331

Ion Ratio Lower Upper

65 100

67 47.0 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

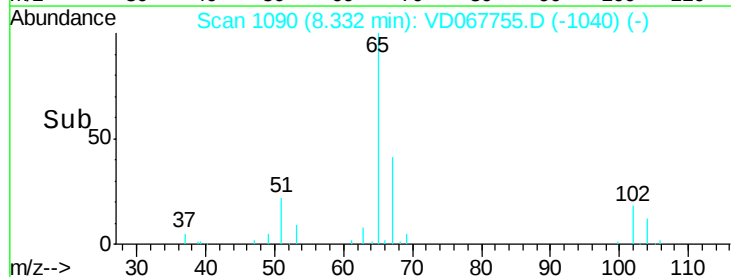
30000

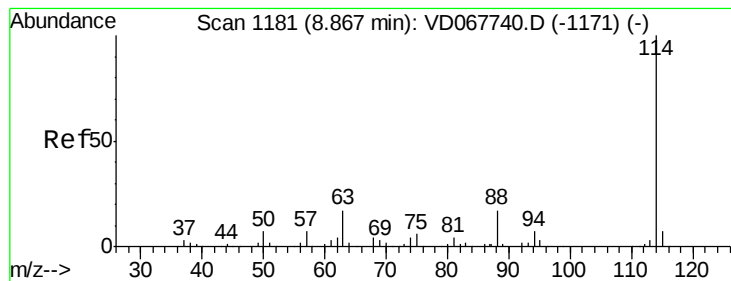
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-112320

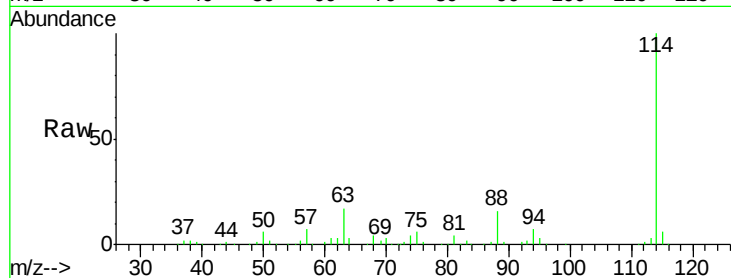
Tot Ion:114 Resp: 375731

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

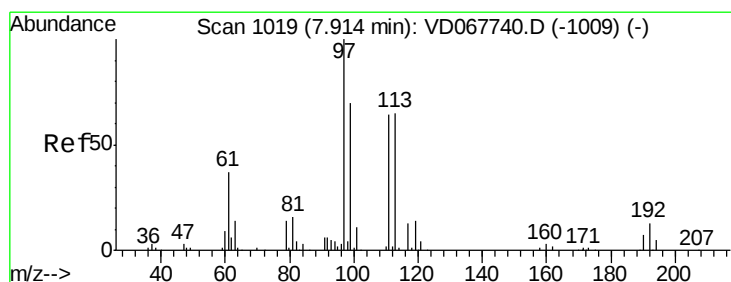
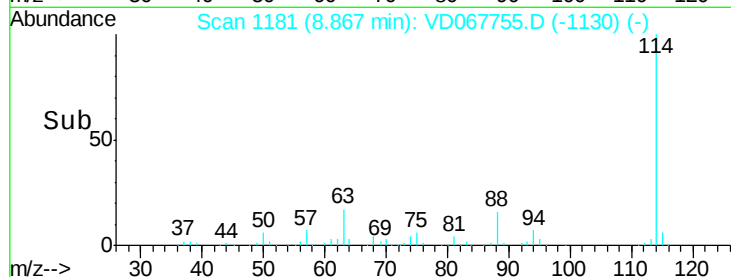
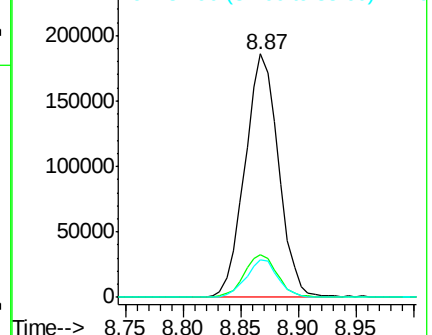
88 15.6 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.430 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

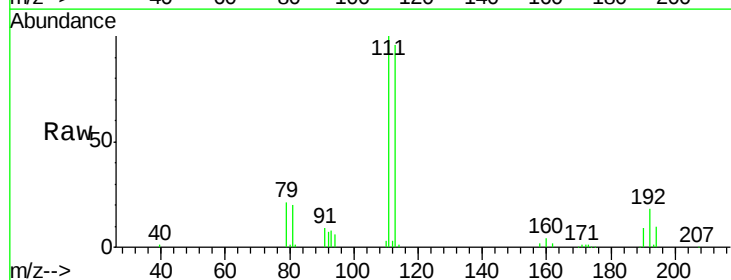
Tgt Ion:113 Resp: 118195

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

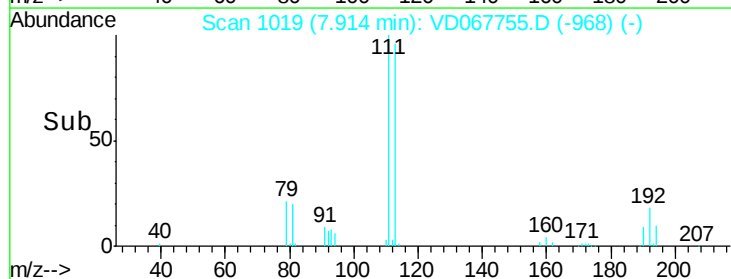
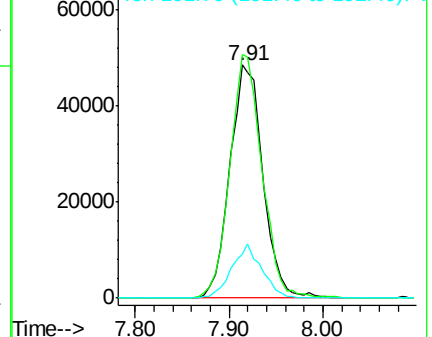
192 20.9 17.0 25.4

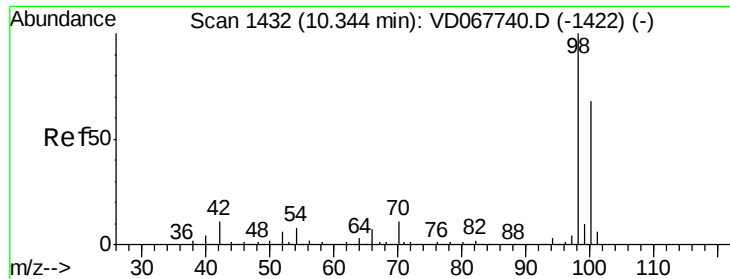


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.548 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

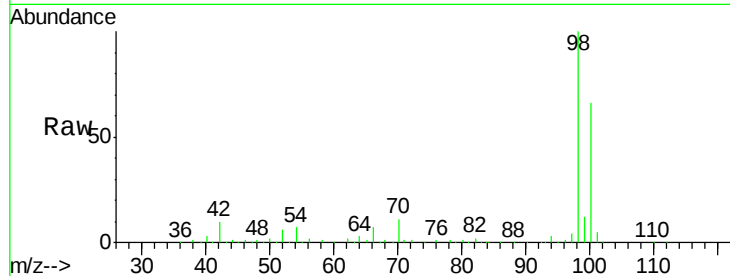
HR-01-112320

Tot Ion: 98 Resp: 441897

Ion Ratio Lower Upper

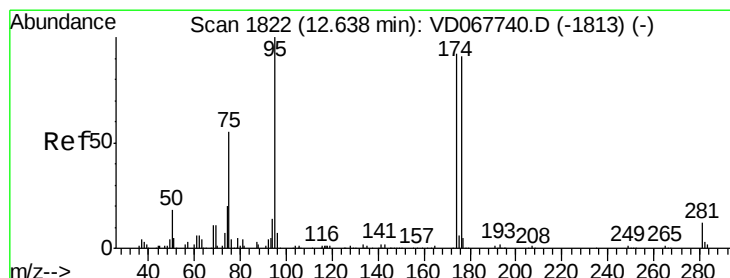
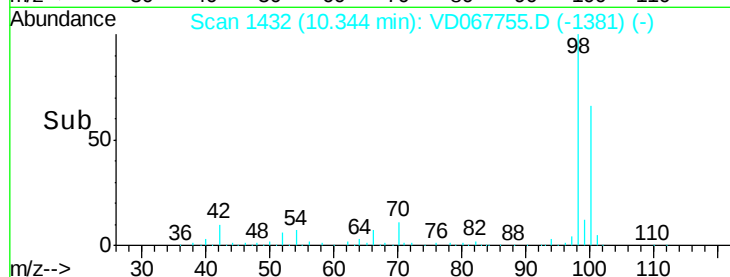
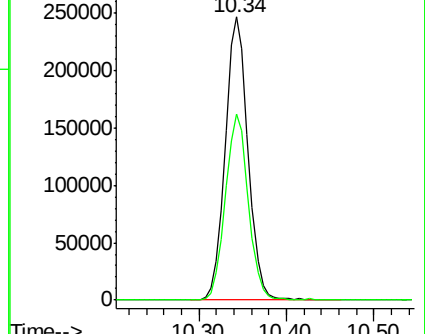
98 100

100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 72.113 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

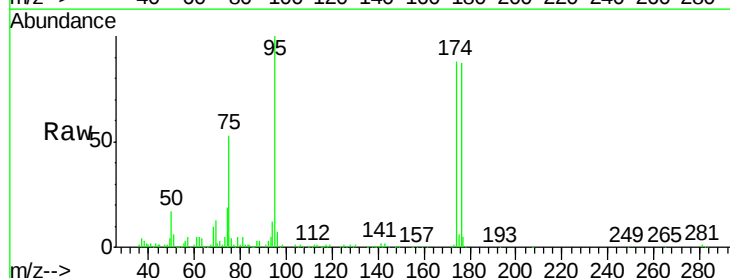
Tgt Ion: 95 Resp: 215483

Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.4

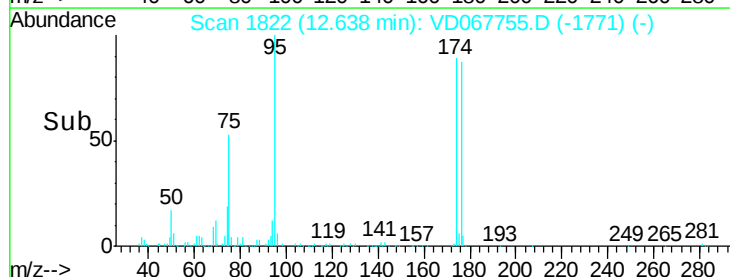
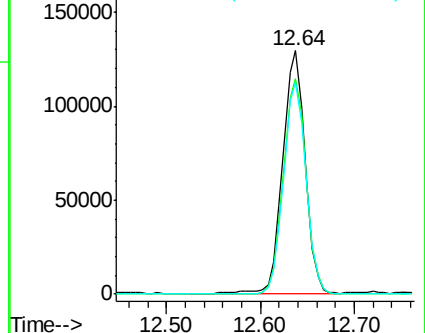
176 86.3 0.0 178.2

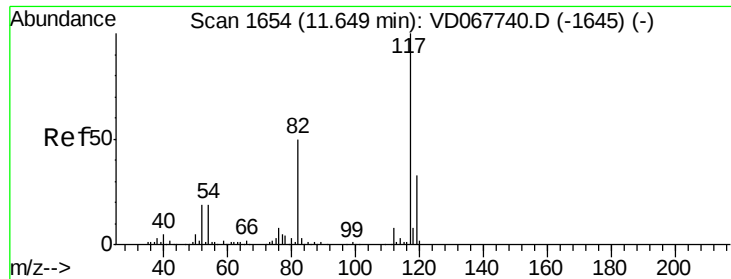


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

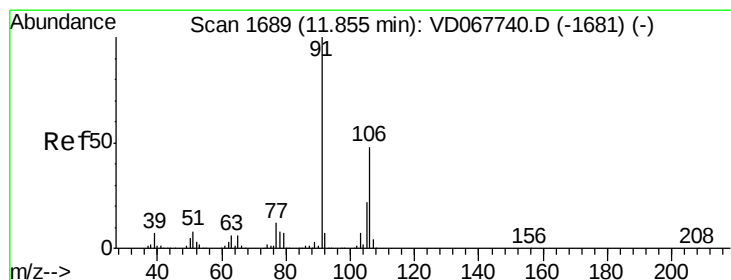
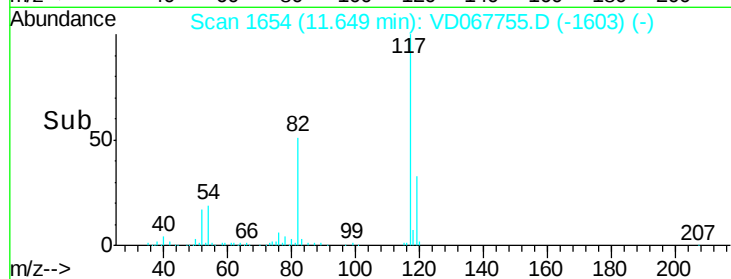
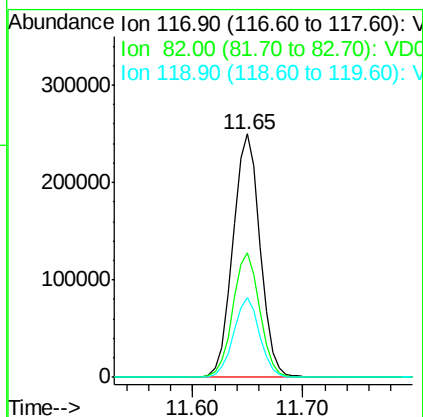
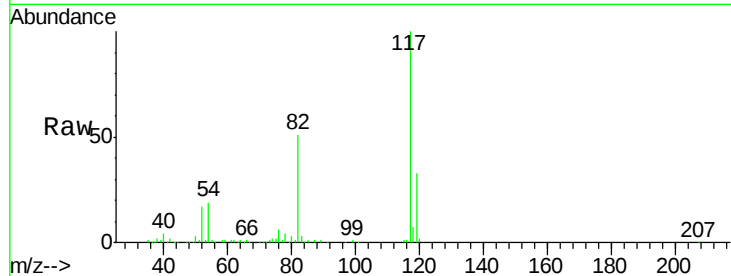




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

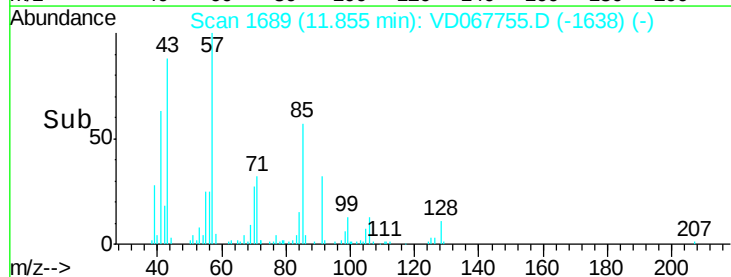
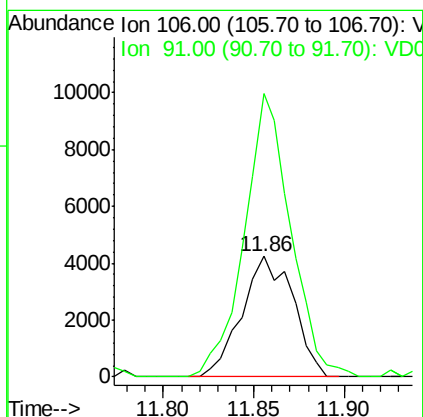
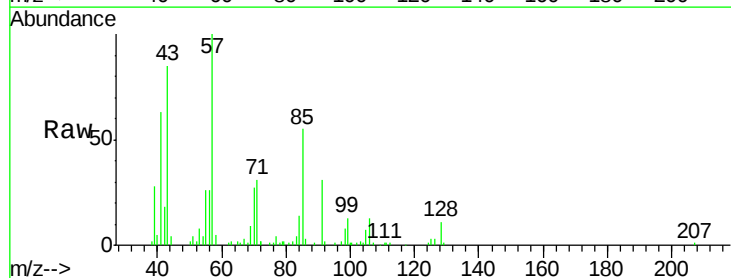
Instrument :
MSVOA_D
ClientSampleId :
HR-01-112320

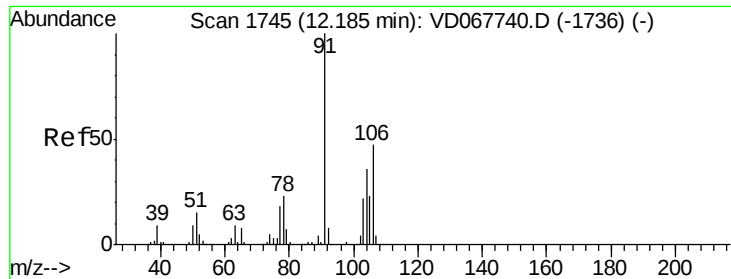
Tot Ion:117 Resp: 431813
Ion Ratio Lower Upper
117 100
82 50.7 40.2 60.4
119 32.5 26.5 39.7



#68
m/p-Xylenes
Concen: 1.468 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Tgt Ion:106 Resp: 8368
Ion Ratio Lower Upper
106 100
91 211.8 163.0 244.6

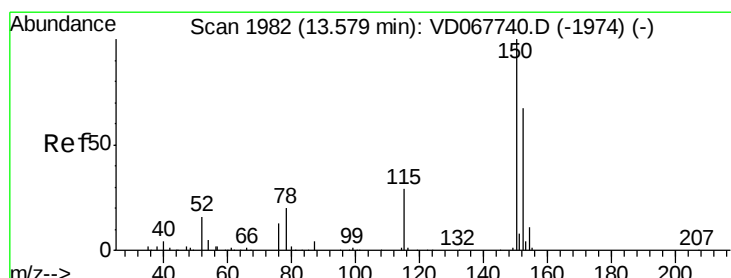
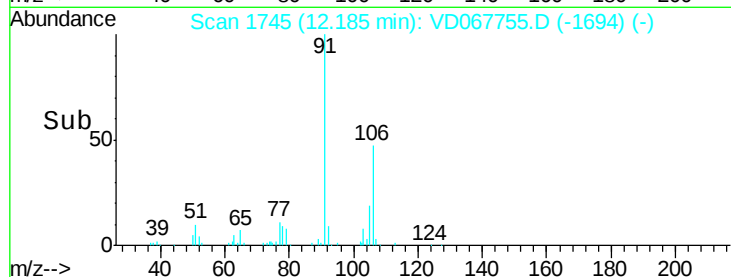
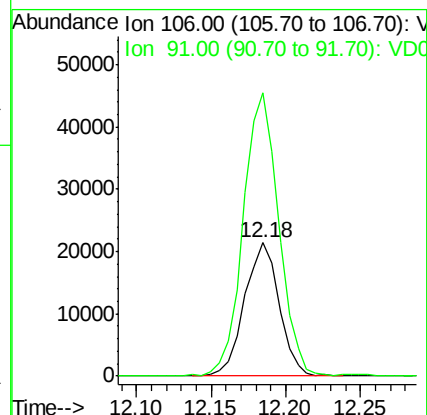
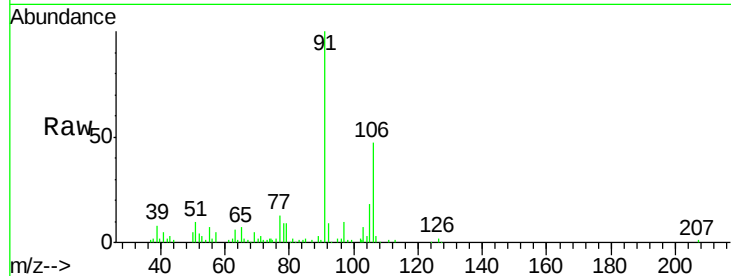




#69
o-Xylene
Concen: 6.606 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

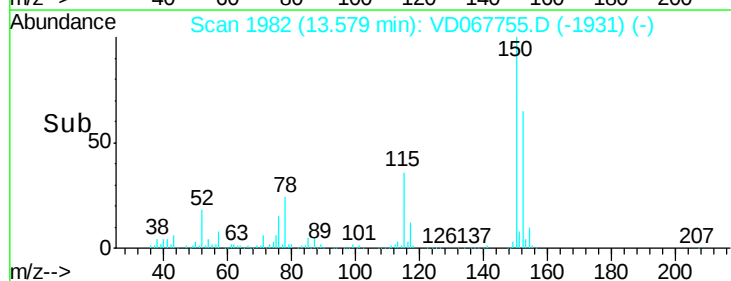
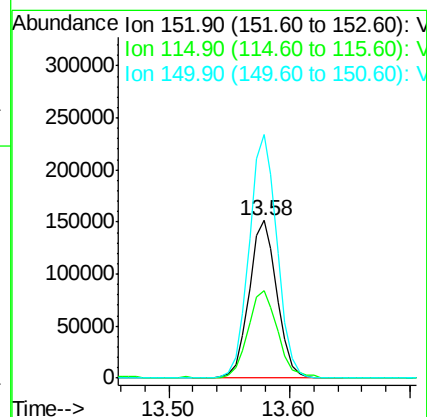
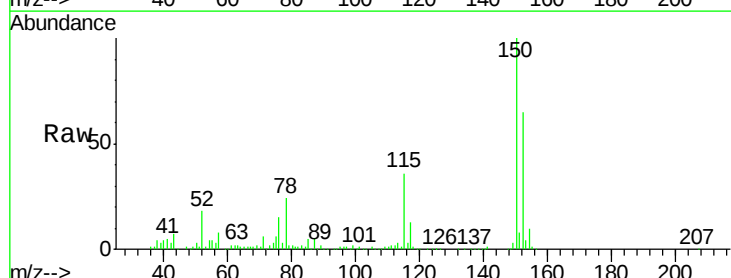
Instrument :
MSVOA_D
ClientSampleId :
HR-01-112320

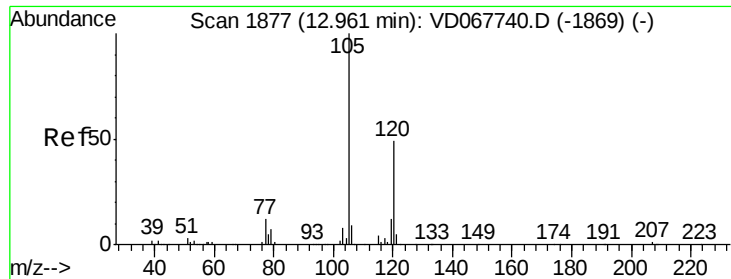
Tot Ion:106 Resp: 34291
Ion Ratio Lower Upper
106 100
91 218.8 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067755.D
Acq: 23 Nov 2020 19:32

Tgt Ion:152 Resp: 242761
Ion Ratio Lower Upper
152 100
115 59.8 29.4 88.3
150 154.8 0.0 340.6





#80

1,3,5-Trimethylbenzene

Concen: 7.507 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

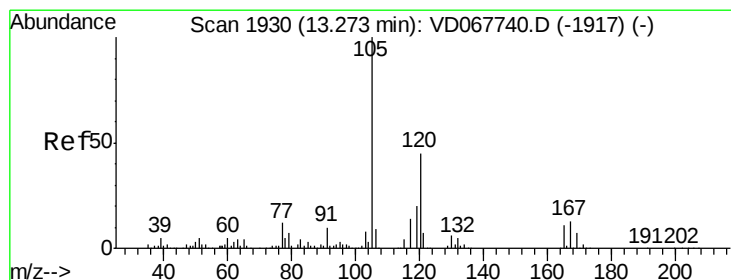
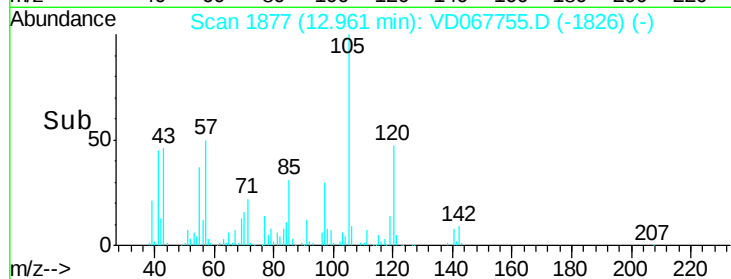
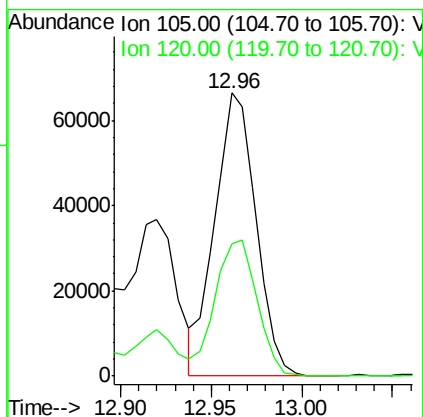
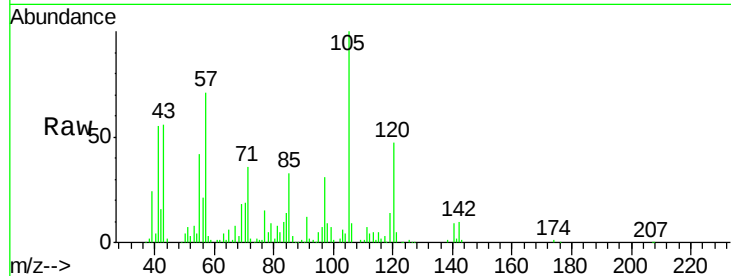
HR-01-112320

Tot Ion:105 Resp: 104285

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 1.083 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067755.D

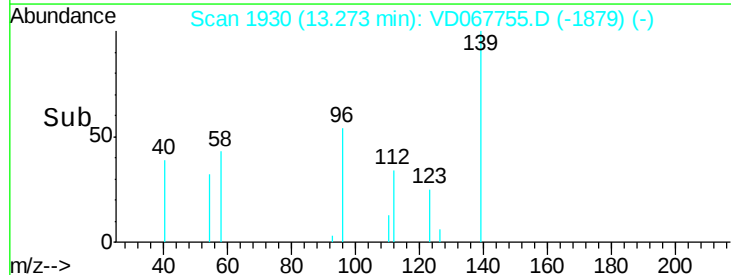
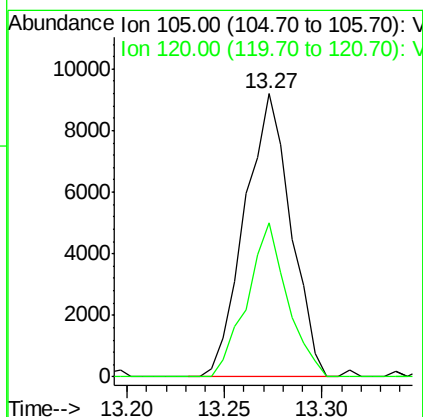
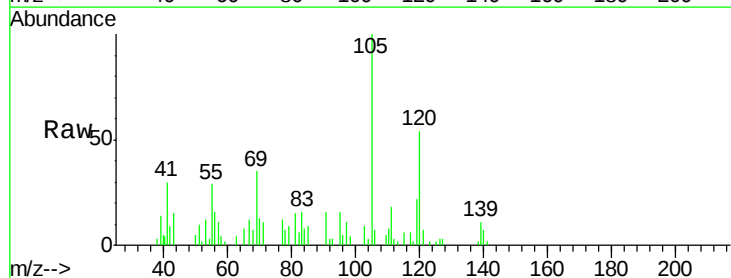
Acq: 23 Nov 2020 19:32

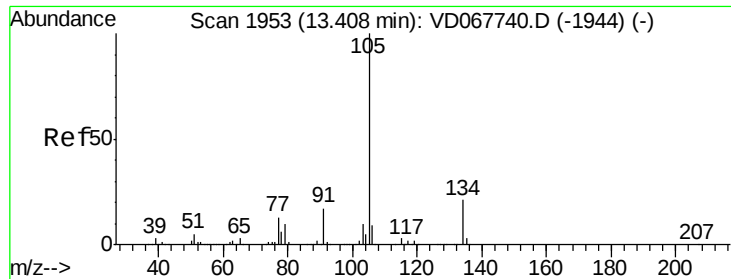
Tgt Ion:105 Resp: 15024

Ion Ratio Lower Upper

105 100

120 47.5 22.6 67.7





#85

sec-Butylbenzene

Concen: 1.129 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

Instrument :

MSVOA_D

ClientSampleId :

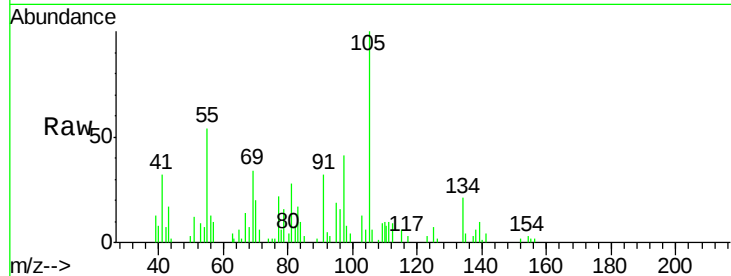
HR-01-112320

Tot Ion:105 Resp: 17713

Ion Ratio Lower Upper

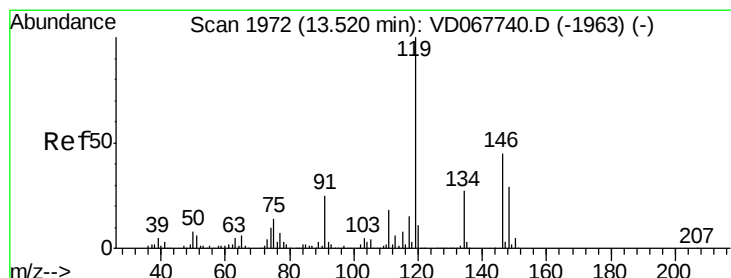
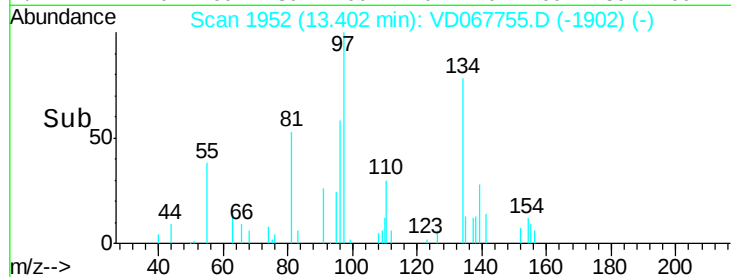
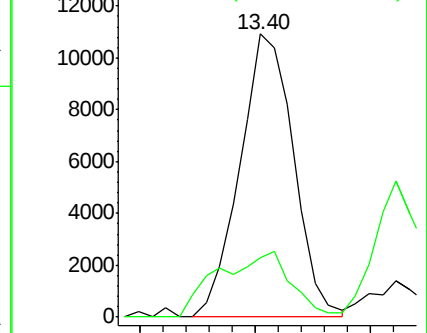
105 100

134 31.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.203 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067755.D

Acq: 23 Nov 2020 19:32

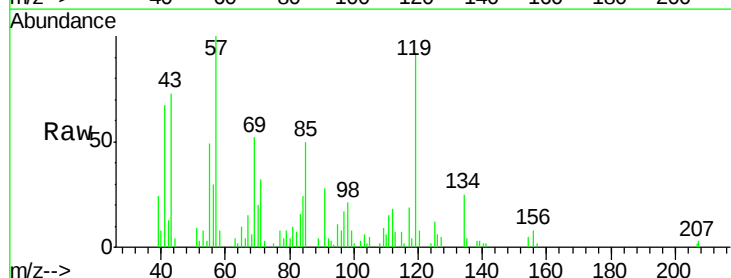
Tgt Ion:119 Resp: 18271

Ion Ratio Lower Upper

119 100

134 28.3 13.0 38.9

91 27.8 12.7 38.1



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

