

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067319.D
 Acq On : 20 Oct 2020 13:01
 Operator : VA/SY
 Sample : L4458-01
 Misc : 3.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-DRUM

Quant Time: Oct 21 02:24:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	552013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	468467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	176454	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
35) Dibromofluoromethane	7.91	113	188213	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.34	98	614904	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.64	95	188922	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	

Target Compounds

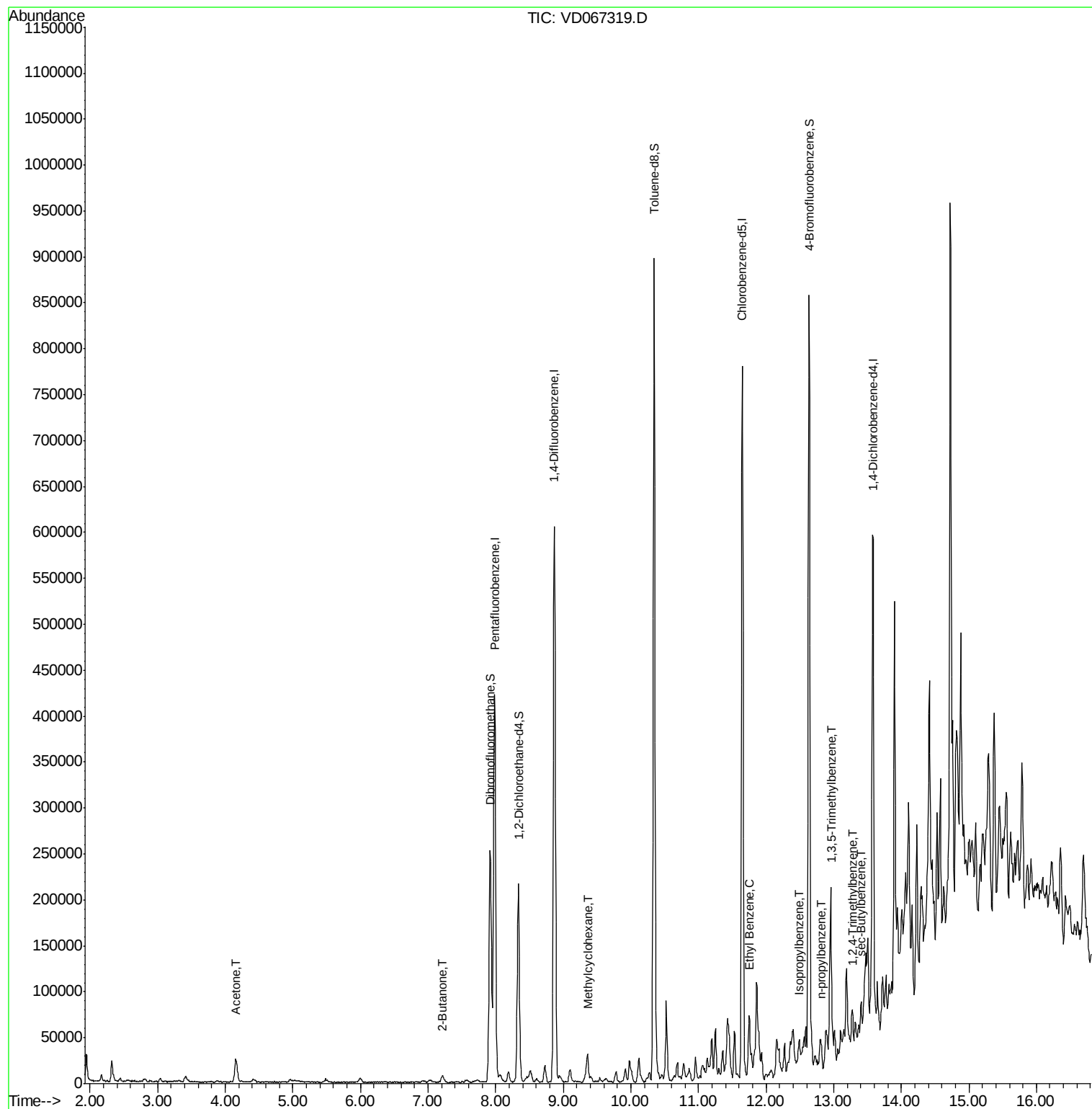
					Qvalue
16) Acetone	4.16	43	43056	97.890	ug/l 93
25) 2-Butanone	7.21	43	10274	20.492	ug/l 94
39) Methylcyclohexane	9.36	83	11331	2.317	ug/l 94
67) Ethyl Benzene	11.75	91	44071	2.862	ug/l 94
73) Isopropylbenzene	12.48	105	10309	1.099	ug/l 95
78) n-propylbenzene	12.82	91	13462	1.239	ug/l 97
80) 1,3,5-Trimethylbenzene	12.97	105	13427	1.648	ug/l 88
84) 1,2,4-Trimethylbenzene	13.27	105	26929	3.344	ug/l 94
85) sec-Butylbenzene	13.41	105	25010	2.648	ug/l 96

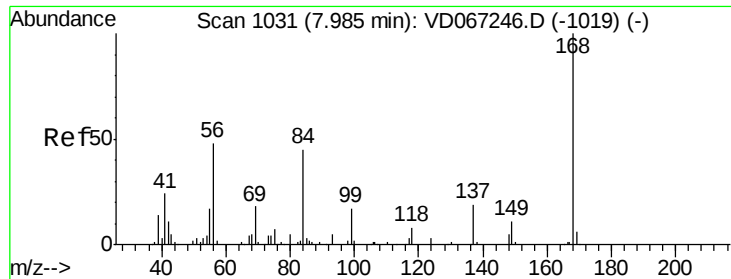
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

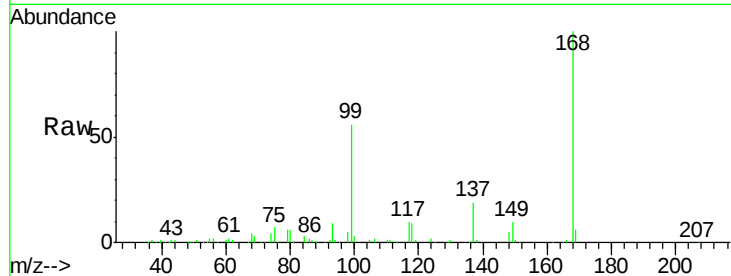
BS-DRUM

Tot Ion:168 Resp: 313481

Ion Ratio Lower Upper

168 100

99 55.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

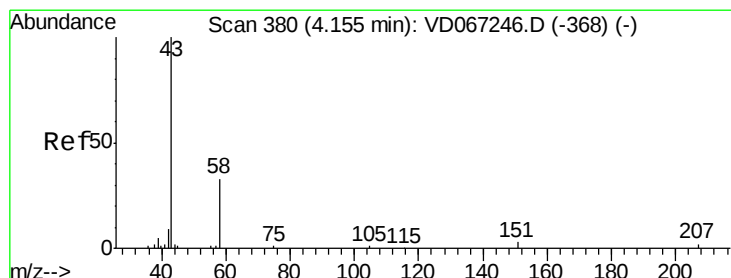
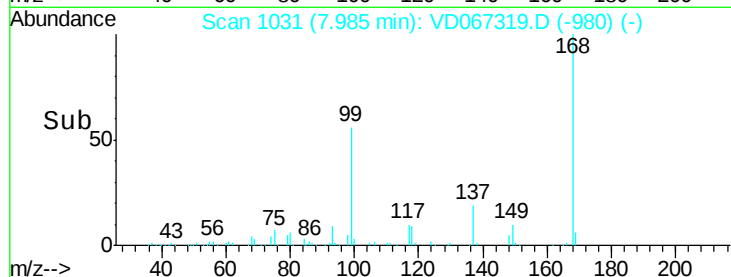
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 97.890 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067319.D

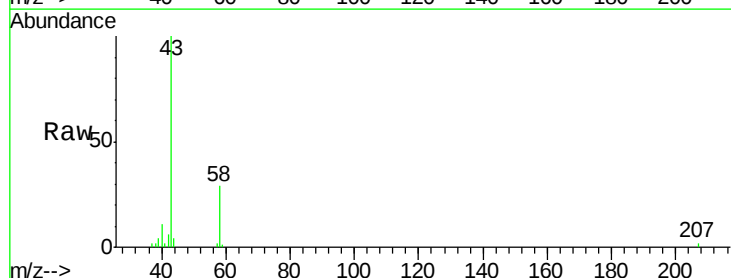
Acq: 20 Oct 2020 13:01

Tgt Ion: 43 Resp: 43056

Ion Ratio Lower Upper

43 100

58 28.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

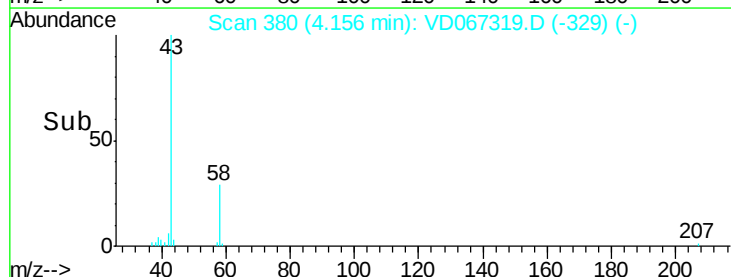
15000

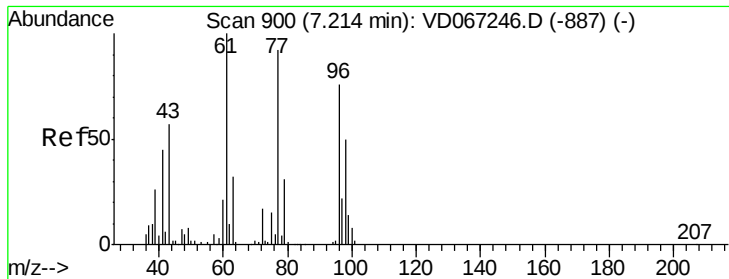
10000

5000

0

Time-->





#25

2-Butanone

Concen: 20.492 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

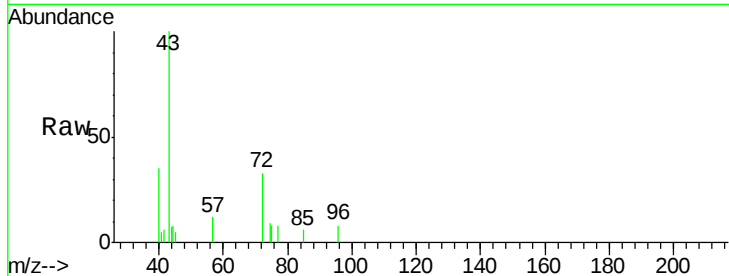
BS-DRUM

Tot Ion: 43 Resp: 10274

Ion Ratio Lower Upper

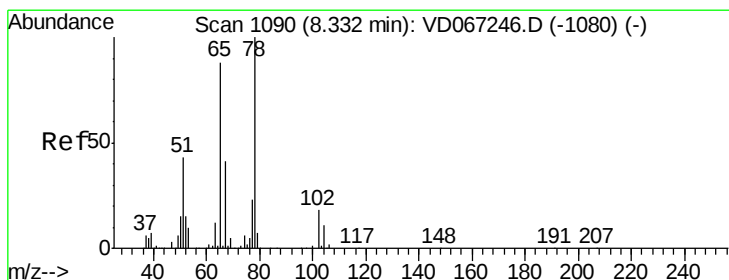
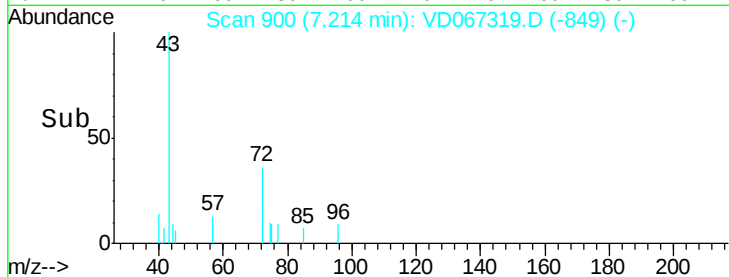
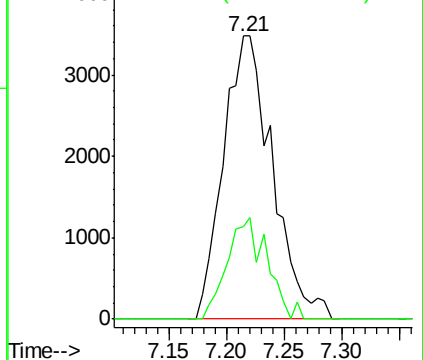
43 100

72 32.7 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 56.185 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067319.D

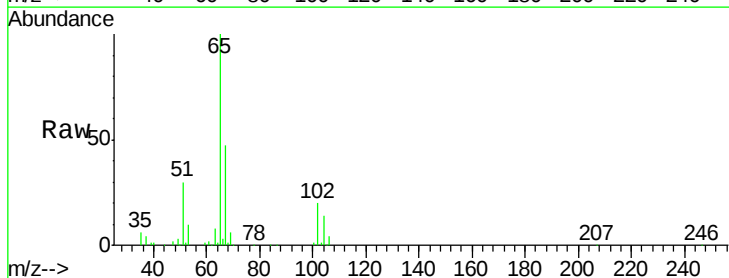
Acq: 20 Oct 2020 13:01

Tgt Ion: 65 Resp: 176454

Ion Ratio Lower Upper

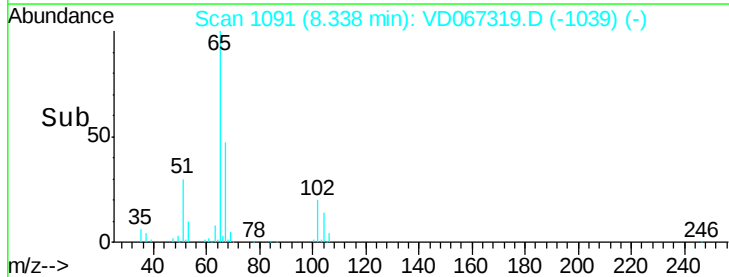
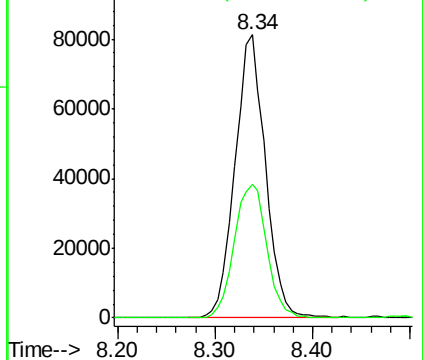
65 100

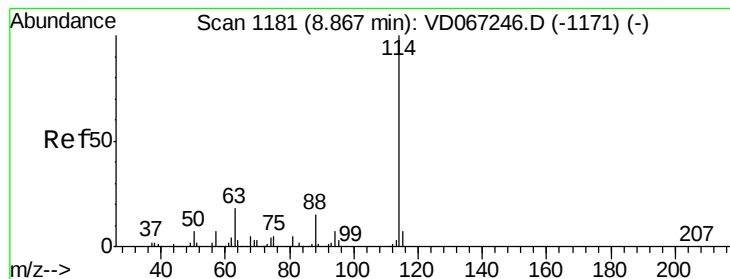
67 50.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

BS-DRUM

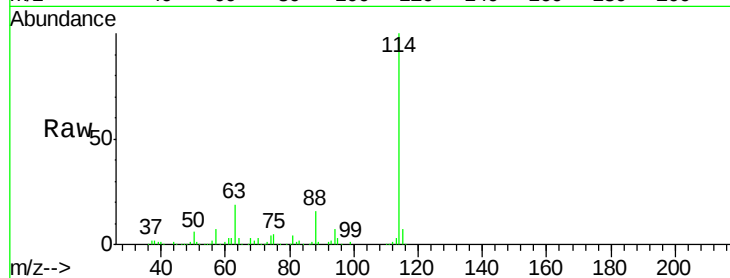
Tot Ion:114 Resp: 552013

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

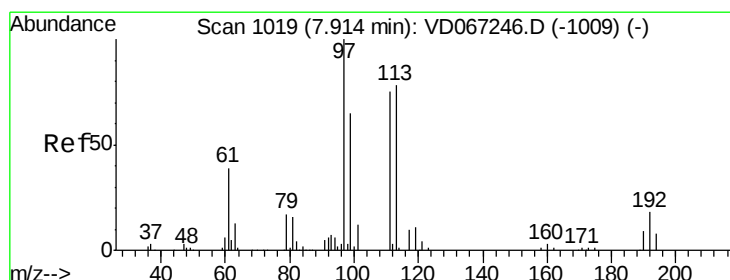
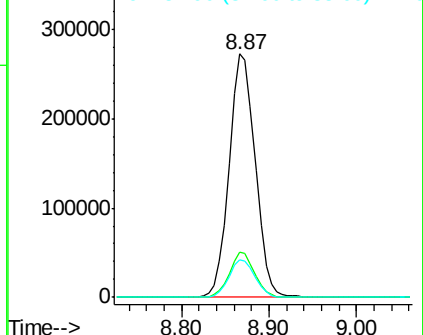
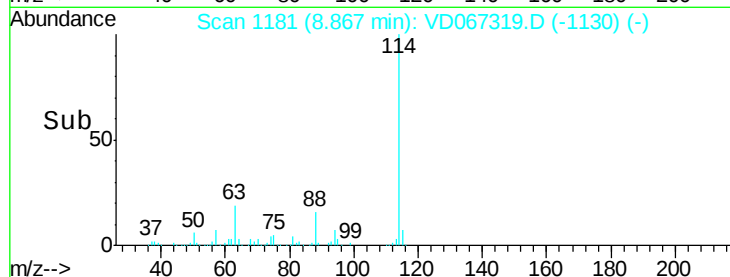
88 15.7 0.0 30.6



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: 51.233 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

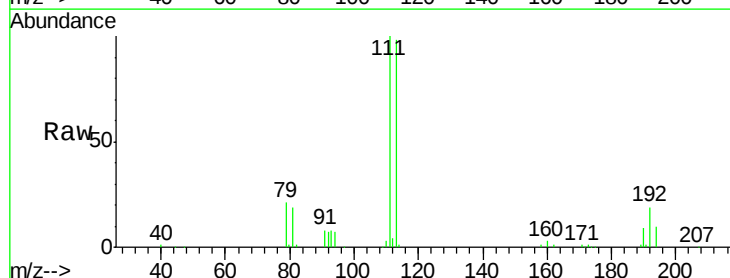
Tgt Ion:113 Resp: 188213

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

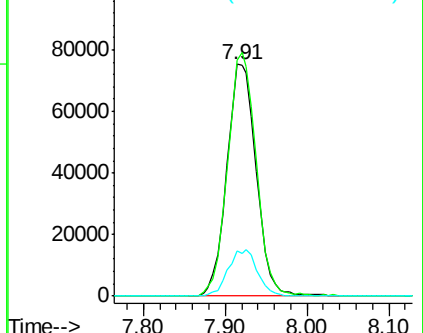
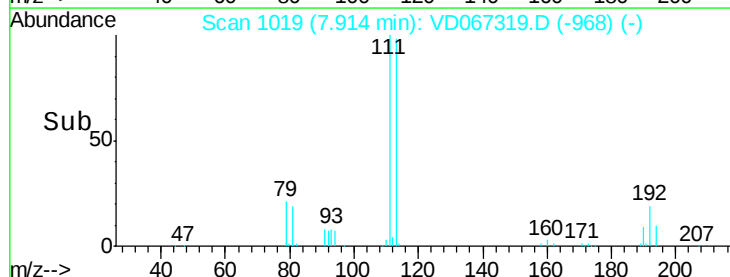
192 20.0 17.0 25.4

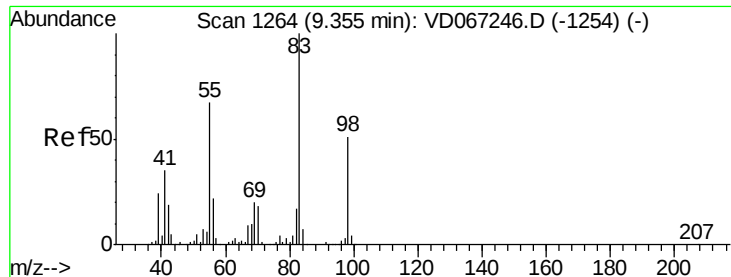


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

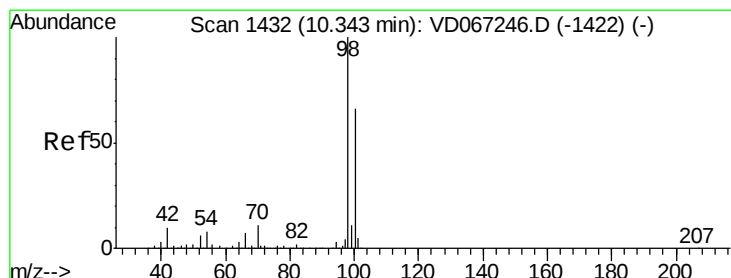
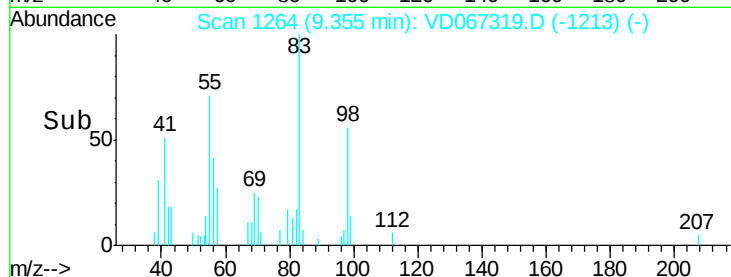
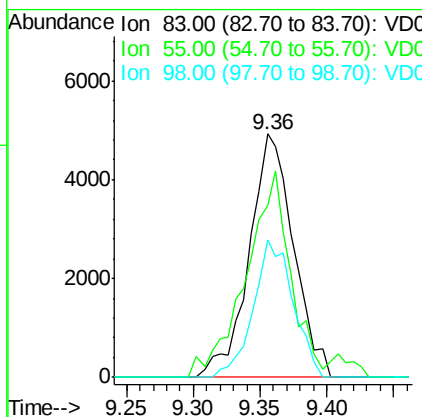
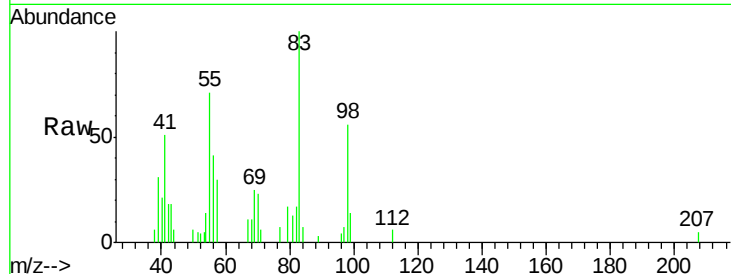




#39
Methylcyclohexane
Concen: 2.317 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

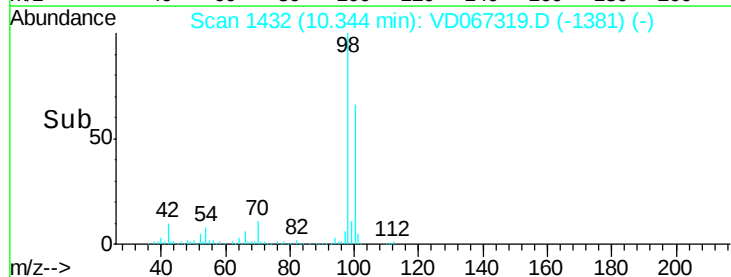
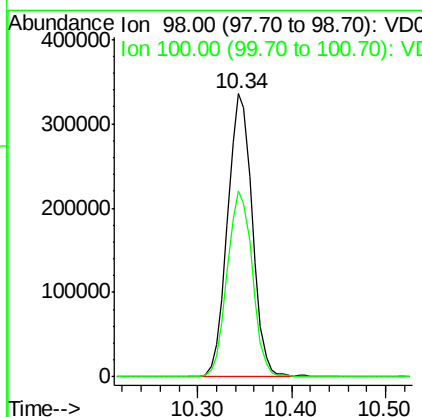
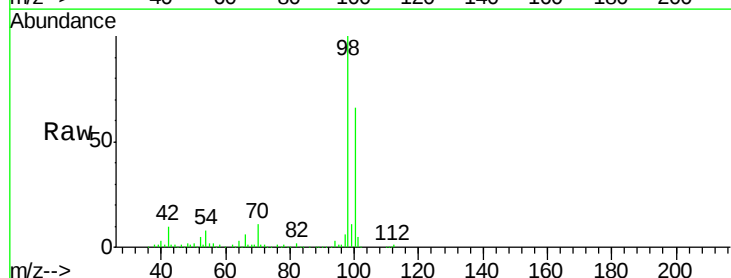
Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

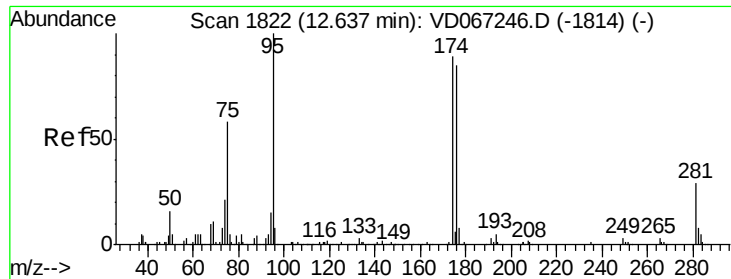
Tot Ion: 83 Resp: 11331
Ion Ratio Lower Upper
83 100
55 70.7 53.3 79.9
98 56.5 41.0 61.4



#50
Toluene-d8
Concen: 46.252 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

Tgt Ion: 98 Resp: 614904
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

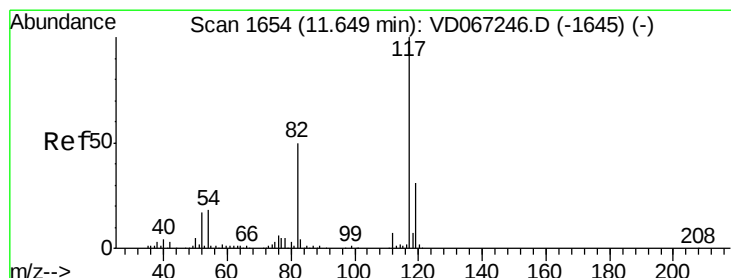
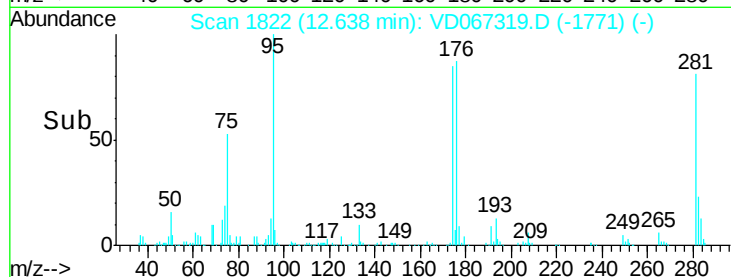
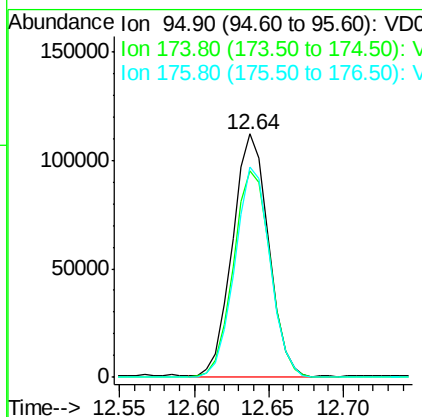
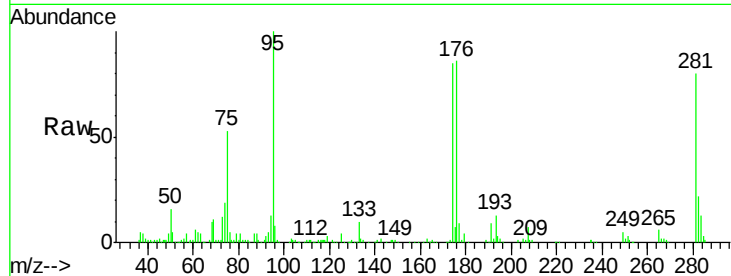




#62
4-Bromofluorobenzene
Concen: 40.867 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

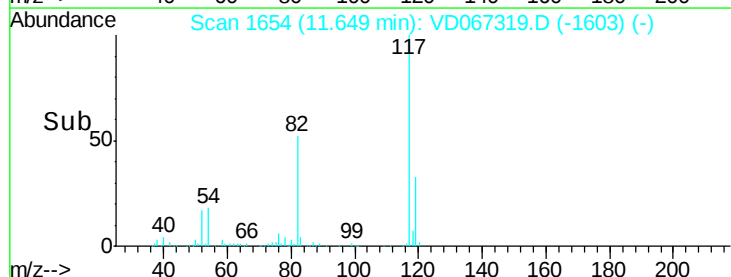
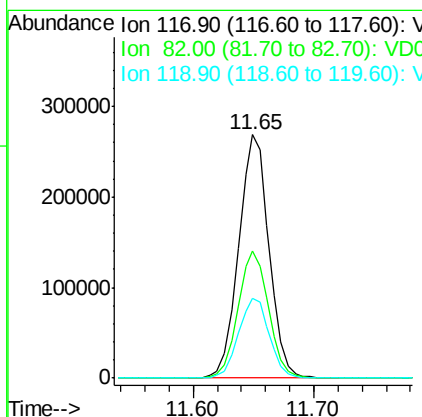
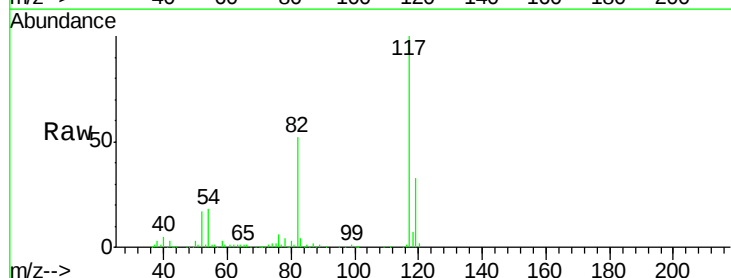
Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

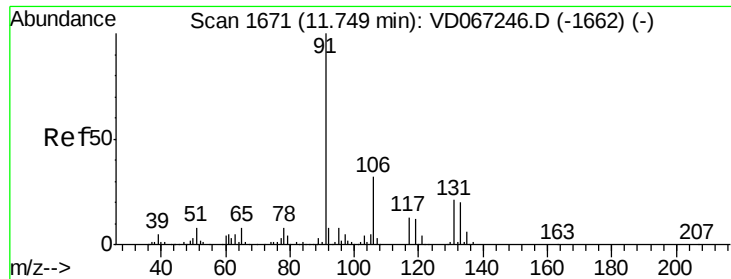
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	175.2
176	84.2	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	39.9	59.9
119	33.0	24.9	37.3

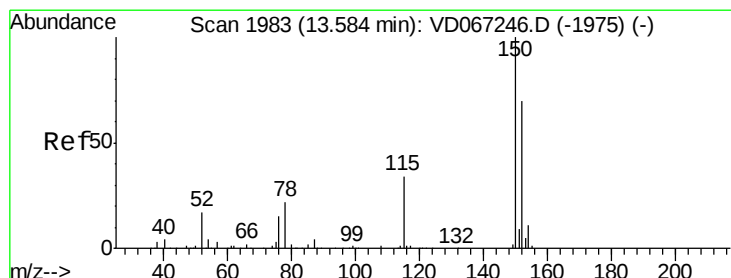
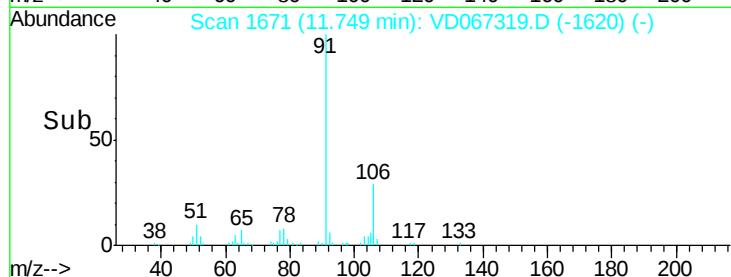
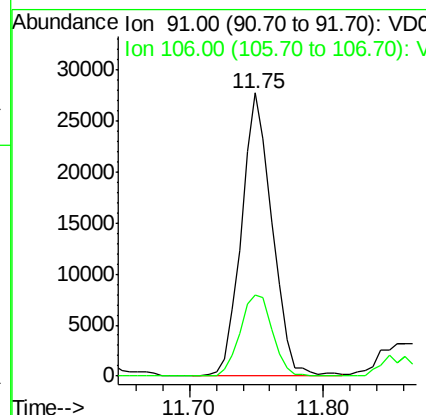
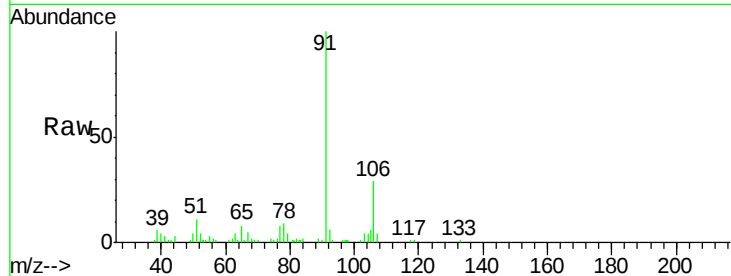




#67
Ethyl Benzene
Concen: 2.862 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

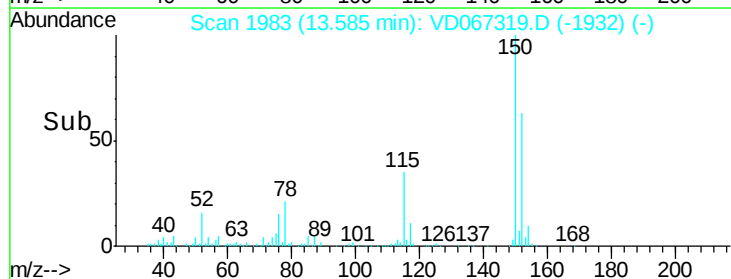
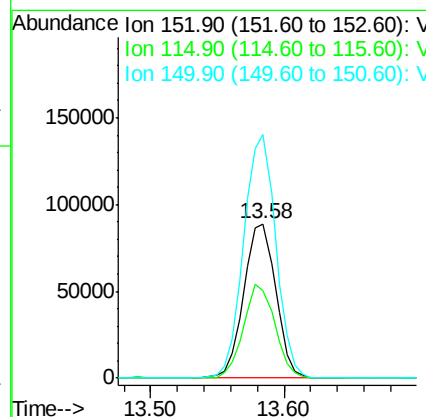
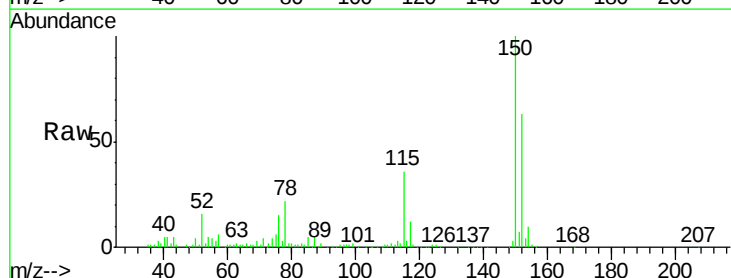
Instrument :
MSVOA_D
ClientSampleId :
BS-DRUM

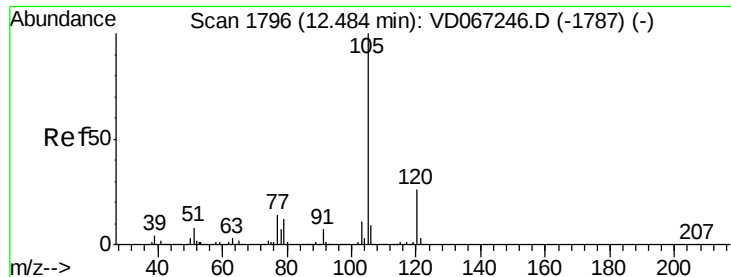
Tot Ion: 91 Resp: 44071
Ion Ratio Lower Upper
91 100
106 28.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067319.D
Acq: 20 Oct 2020 13:01

Tgt Ion: 152 Resp: 147747
Ion Ratio Lower Upper
152 100
115 59.8 29.3 87.9
150 157.6 0.0 339.0





#73

Isopropylbenzene

Concen: 1.099 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

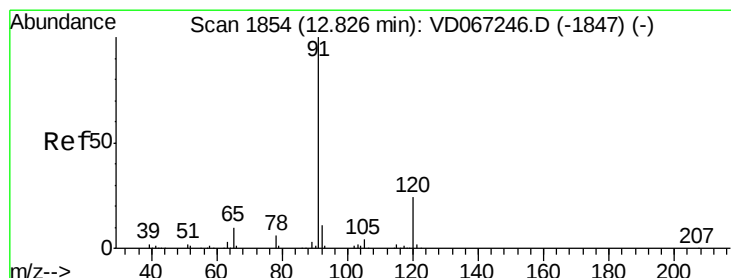
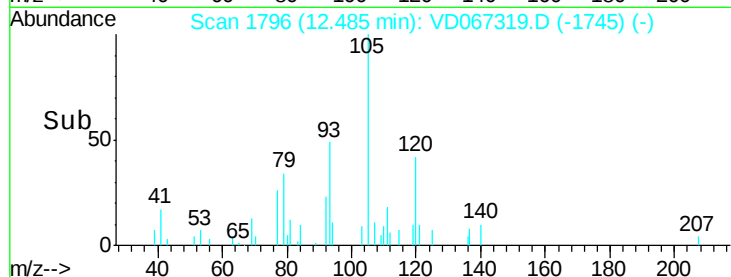
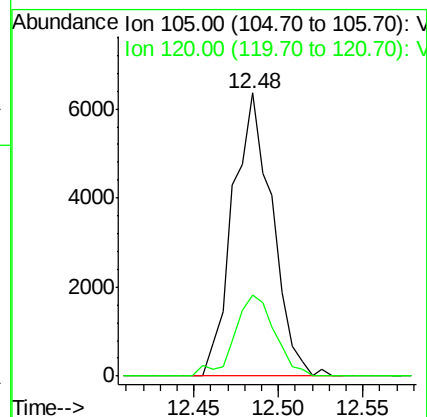
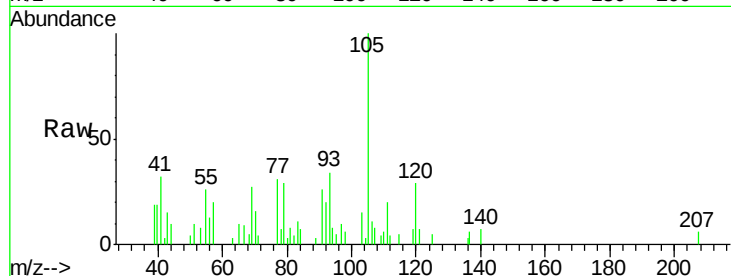
BS-DRUM

Tot Ion:105 Resp: 10309

Ion Ratio Lower Upper

105 100

120 29.1 13.3 39.8



#78

n-propylbenzene

Concen: 1.239 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD067319.D

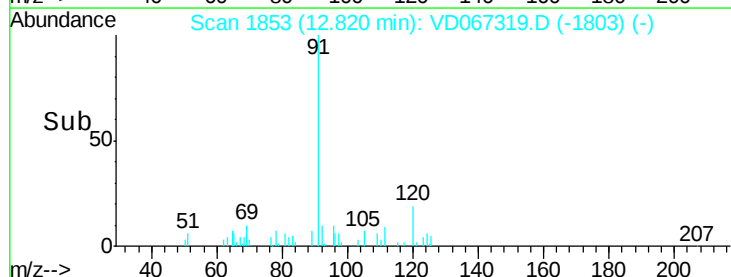
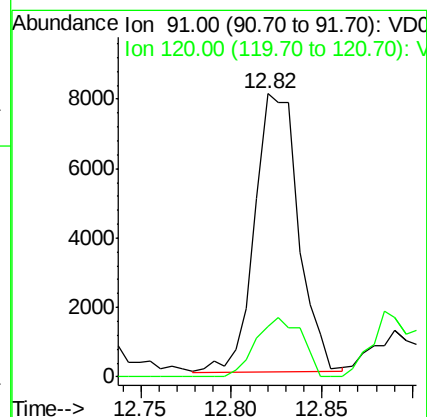
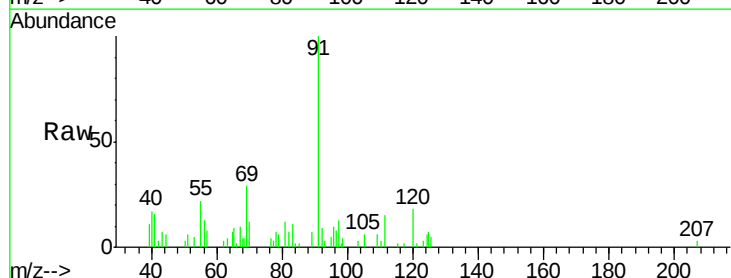
Acq: 20 Oct 2020 13:01

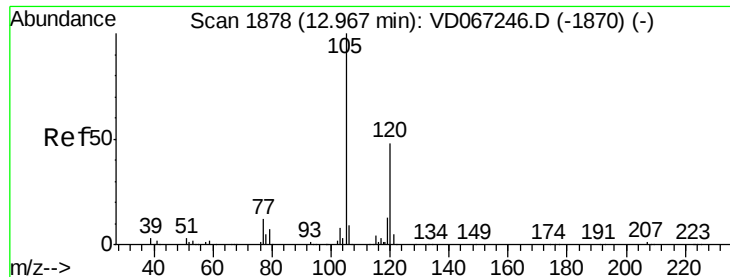
Tgt Ion: 91 Resp: 13462

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 1.648 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067319.D

Acq: 20 Oct 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

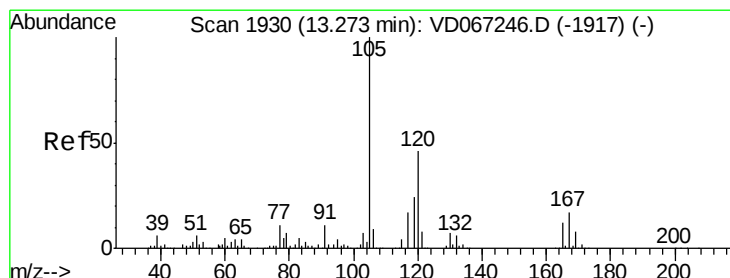
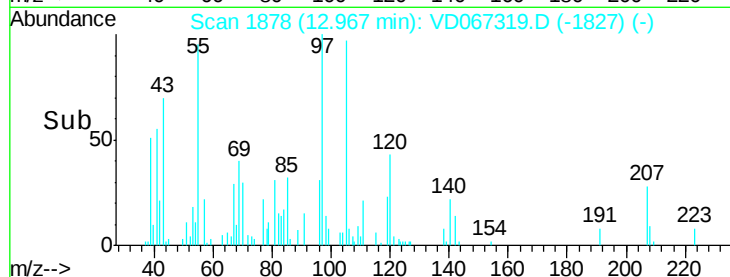
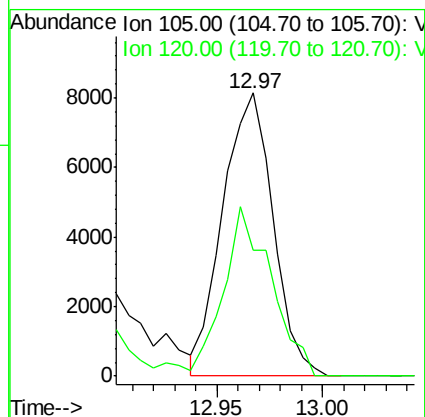
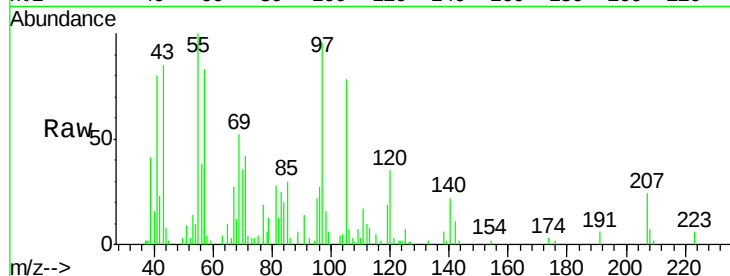
BS-DRUM

Tot Ion:105 Resp: 13427

Ion Ratio Lower Upper

105 100

120 56.8 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 3.344 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067319.D

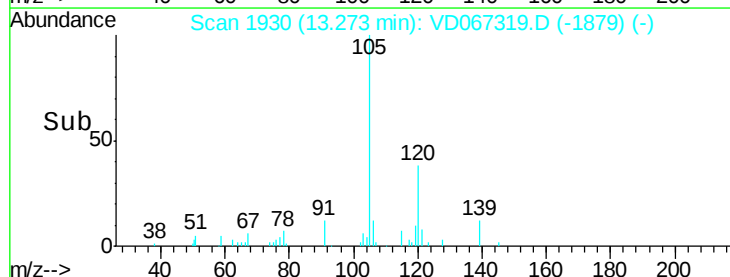
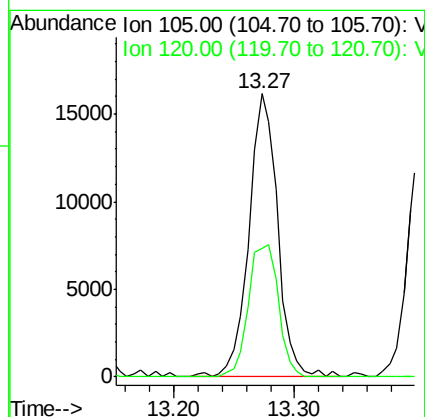
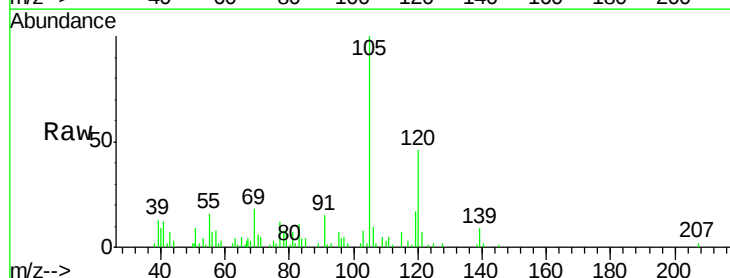
Acq: 20 Oct 2020 13:01

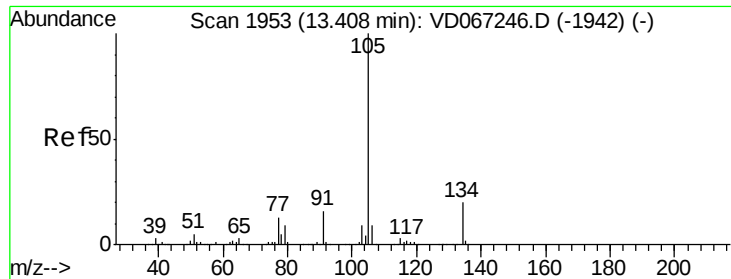
Tgt Ion:105 Resp: 26929

Ion Ratio Lower Upper

105 100

120 48.8 22.4 67.3





#85
 sec-Butylbenzene
 Concen: 2.648 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067319.D
 Acq: 20 Oct 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 BS-DRUM

Tot Ion:105 Resp: 25010
 Ion Ratio Lower Upper
 105 100
 134 23.0 10.5 31.5

