

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059868.D
 Acq On : 21 Aug 2018 21:05
 Operator : JC/SY
 Sample : J4559-07
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051

Quant Time: Aug 22 02:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	382317	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.65	114	642423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	373337	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	99025	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	268749	87.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	175.66%	
35) Dibromofluoromethane	5.51	113	310532	65.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.70%	
50) Toluene-d8	8.68	98	522283	40.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	81.52%	
62) 4-Bromofluorobenzene	11.91	95	157059	31.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.88%	

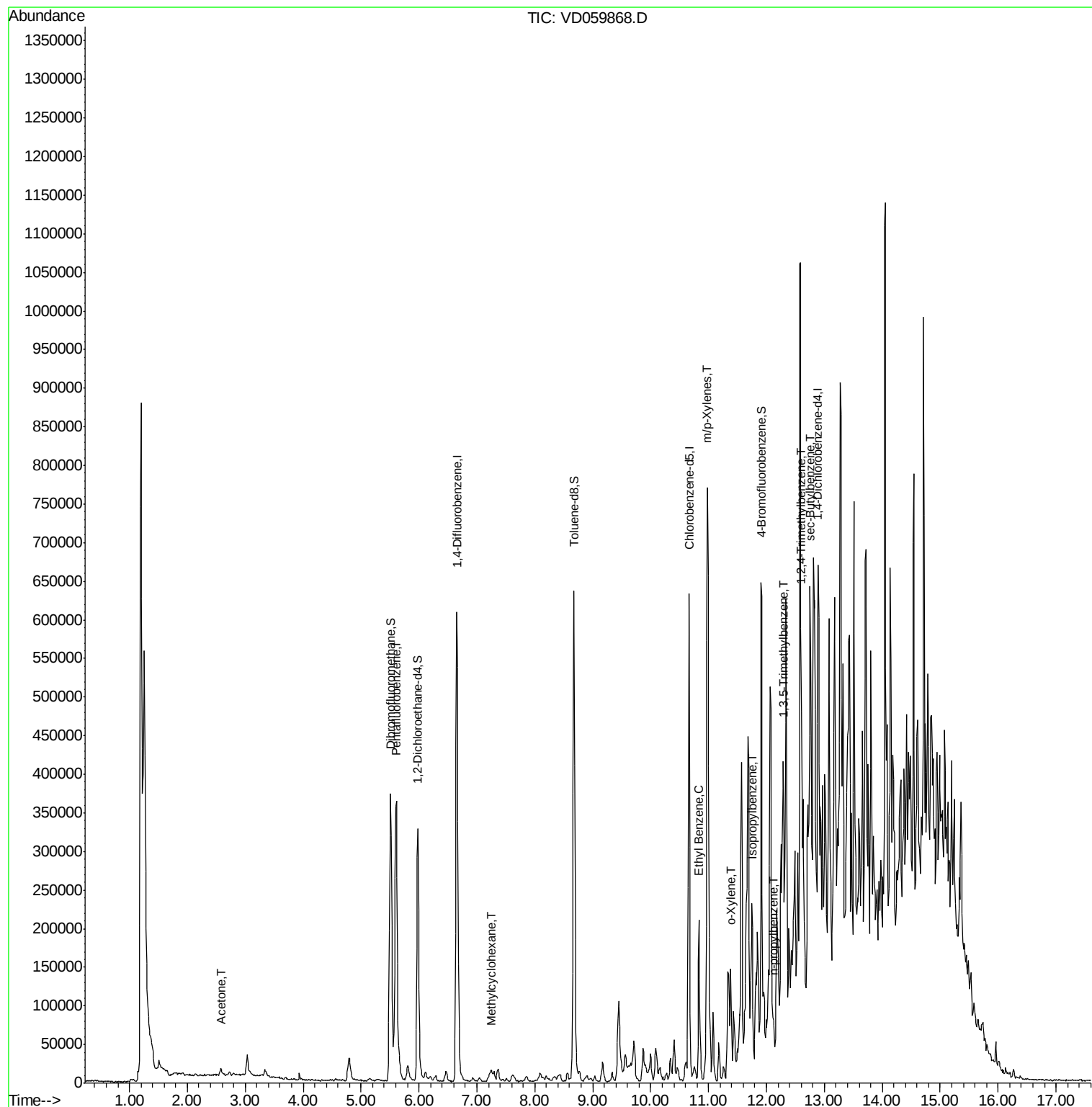
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	14693	28.65	ug/l	96
39) Methylcyclohexane	7.25	83	7408	1.27	ug/l	98
67) Ethyl Benzene	10.83	91	146406	11.03	ug/l	97
68) m/p-Xylenes	10.98	106	262242	56.69	ug/l	97
69) o-Xylene	11.38	106	26189	6.28	ug/l	92
73) Isopropylbenzene	11.75	105	50449	7.48	ug/l	96
78) n-propylbenzene	12.13	91	14491	1.73	ug/l	87
80) 1,3,5-Trimethylbenzene	12.30	105	23246	3.38	ug/l	99
84) 1,2,4-Trimethylbenzene	12.60	105	62542	11.26	ug/l	96
85) sec-Butylbenzene	12.74	105	41506	5.88	ug/l	97

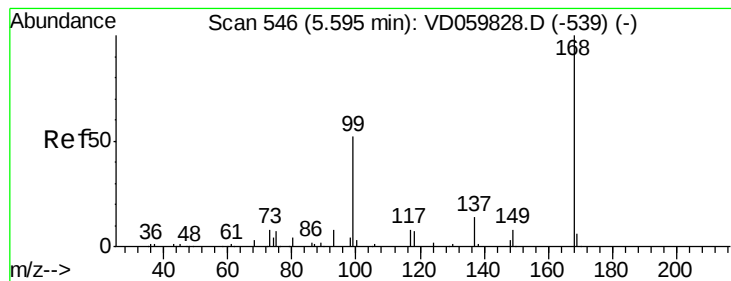
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
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Operator : JC/SY
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RA-081718-SSW-125-051

Quant Time: Aug 22 02:19:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.01 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

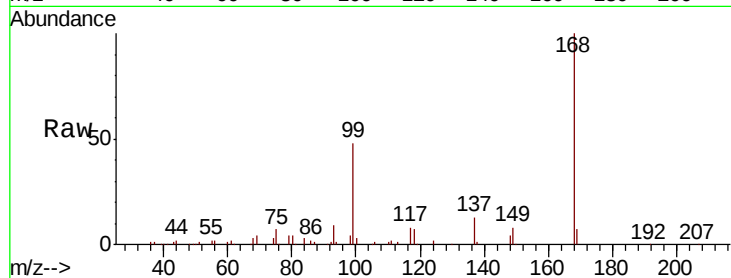
RA-081718-SSW-125-051

Tot Ion:168 Resp: 382317

Ion Ratio Lower Upper

168 100

99 48.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.61

150000

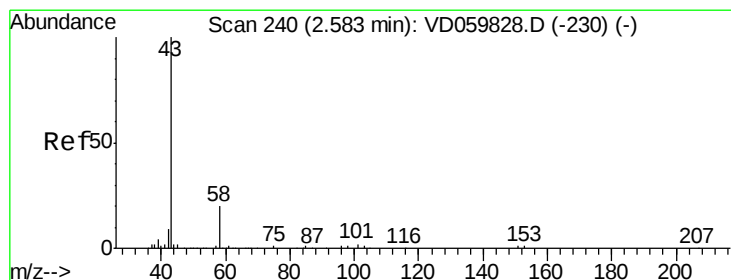
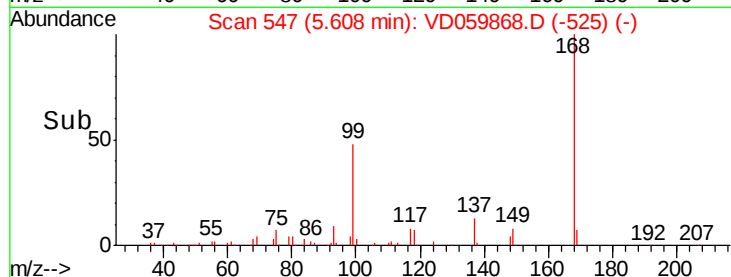
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 28.65 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059868.D

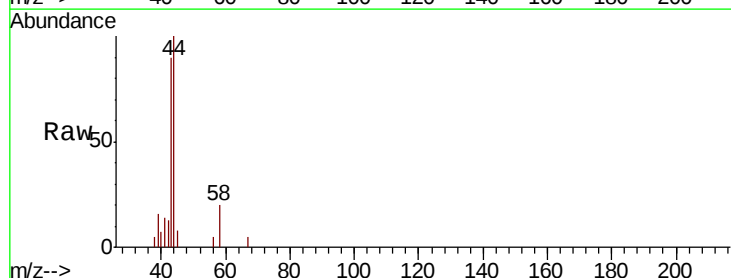
Acq: 21 Aug 2018 21:05

Tgt Ion: 43 Resp: 14693

Ion Ratio Lower Upper

43 100

58 22.1 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.58

6000

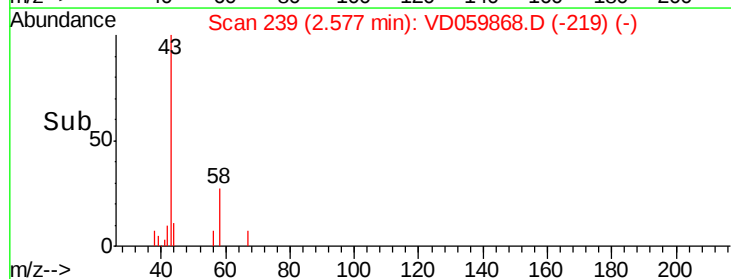
4000

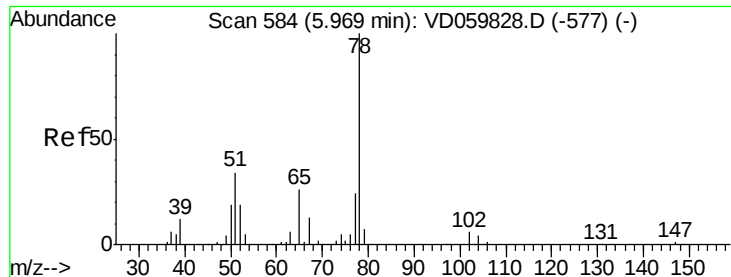
2000

0

Time-->

2.50 2.60 2.70

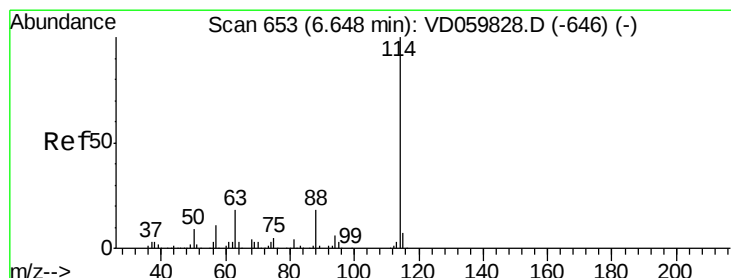
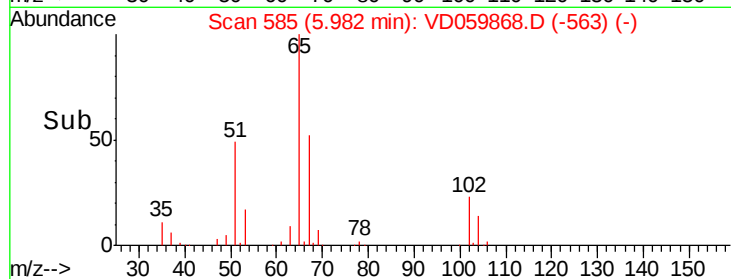
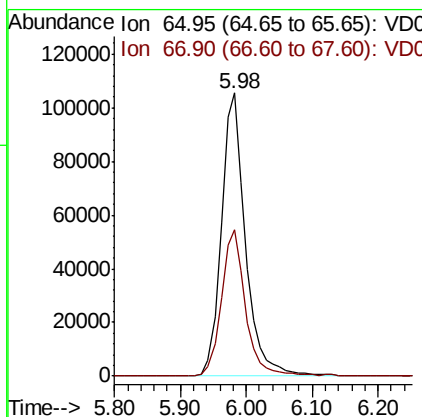
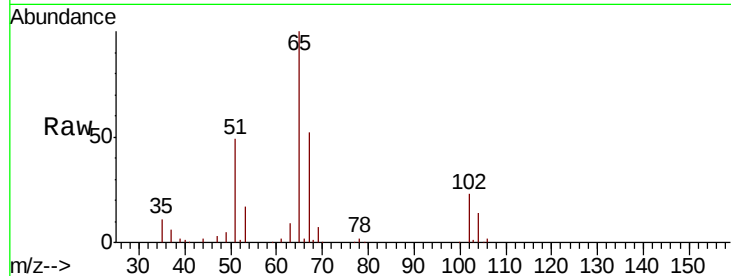




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: VD059868.D
 Acq: 21 Aug 2018 21:05

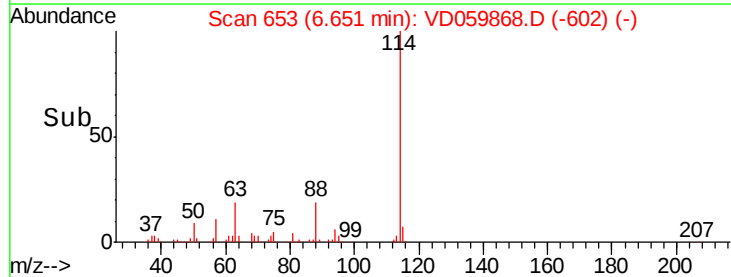
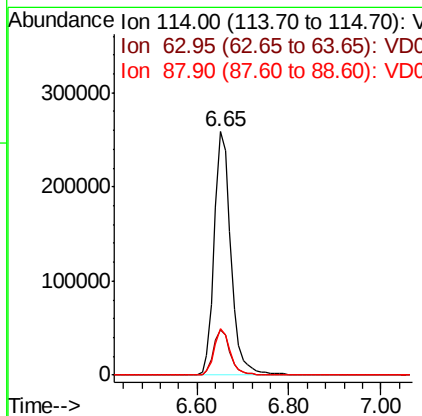
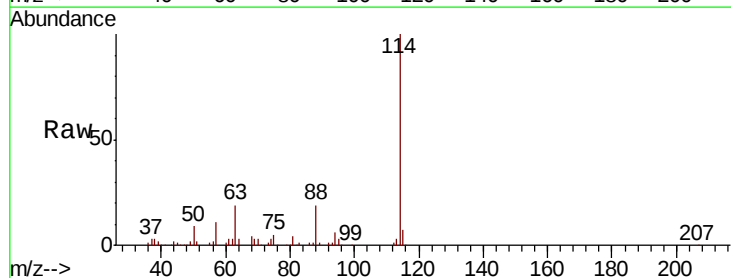
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051

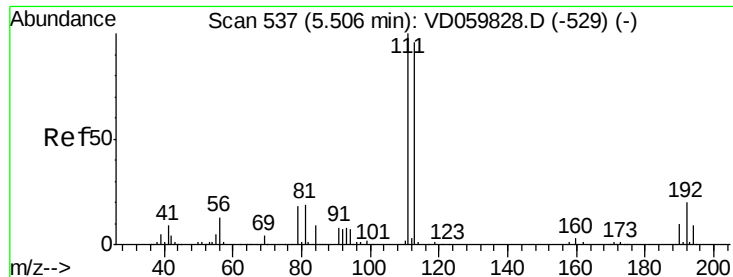
Tot Ion: 65 Resp: 268749
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059868.D
 Acq: 21 Aug 2018 21:05

Tgt Ion: 114 Resp: 642423
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 19.0 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-125-051

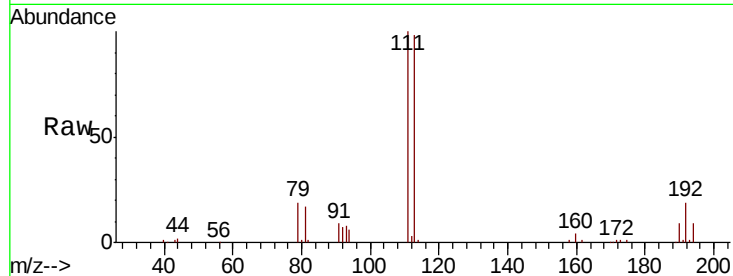
Tot Ion:113 Resp: 310532

Ion Ratio Lower Upper

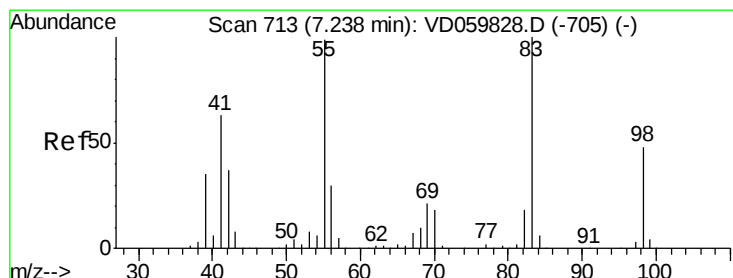
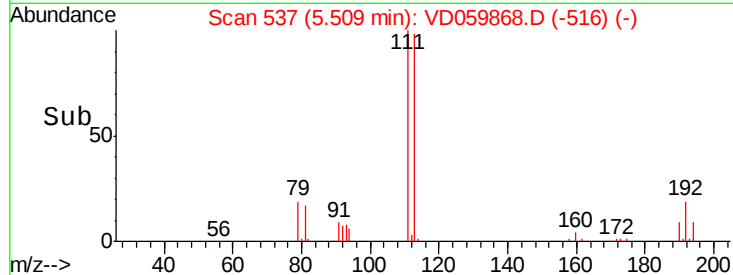
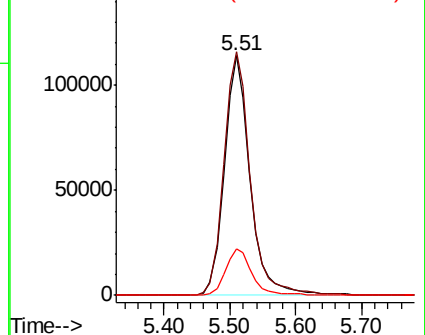
113 100

111 101.7 83.3 124.9

192 19.3 16.8 25.2



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#39

Methylcyclohexane

Concen: 1.27 ug/l

RT: 7.25 min Scan# 714

Delta R.T. 0.01 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

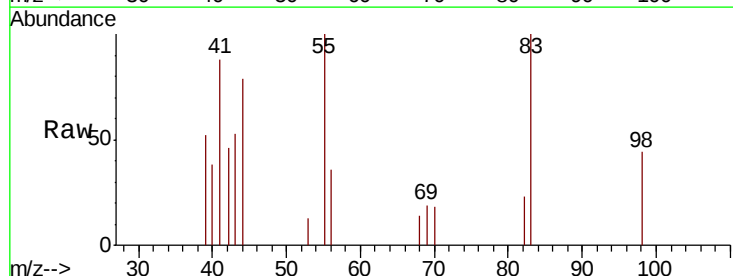
Tgt Ion: 83 Resp: 7408

Ion Ratio Lower Upper

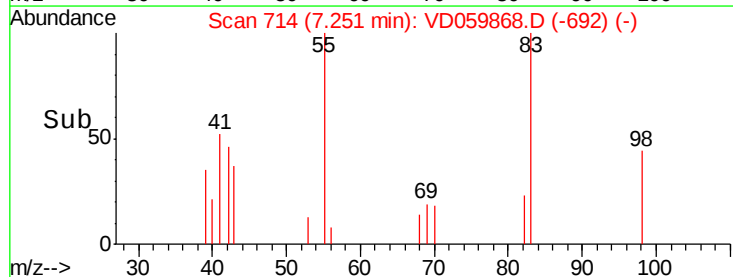
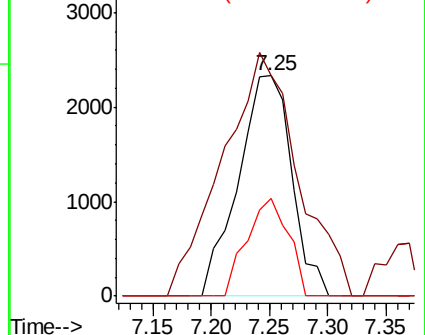
83 100

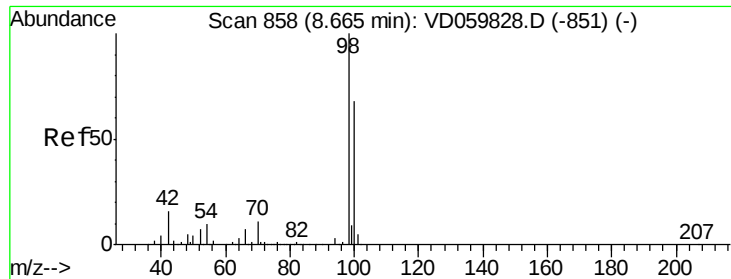
55 100.2 79.0 118.6

98 44.5 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

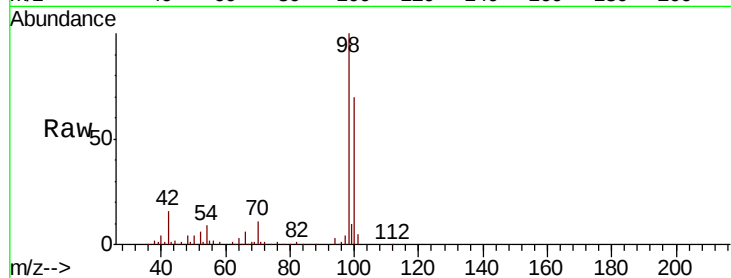
RA-081718-SSW-125-051

Tot Ion: 98 Resp: 522283

Ion Ratio Lower Upper

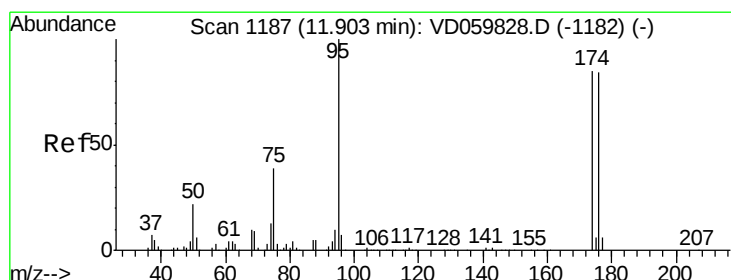
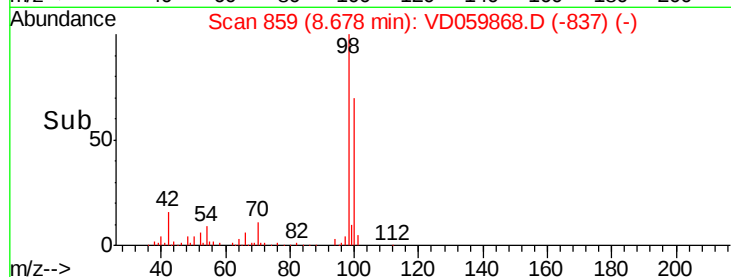
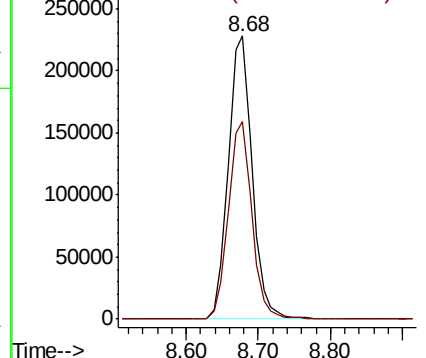
98 100

100 69.8 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

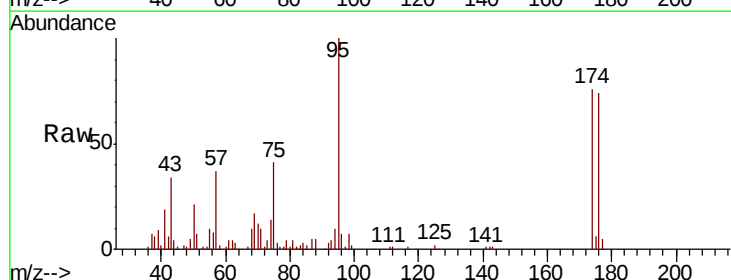
Tgt Ion: 95 Resp: 157059

Ion Ratio Lower Upper

95 100

174 76.2 0.0 169.2

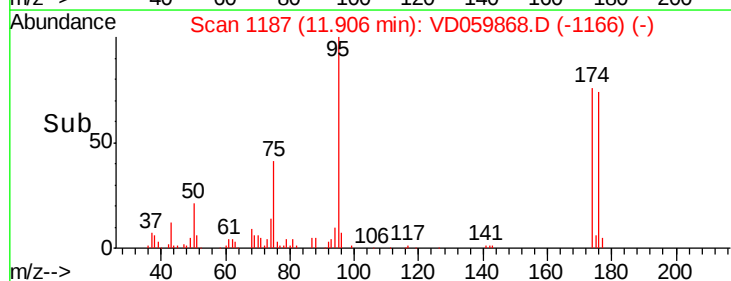
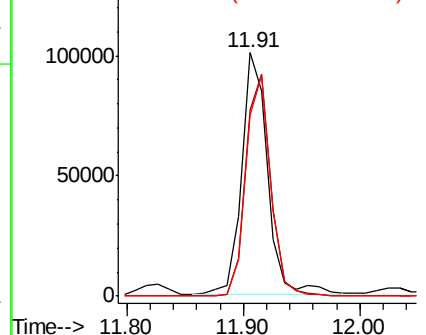
176 74.3 0.0 168.0

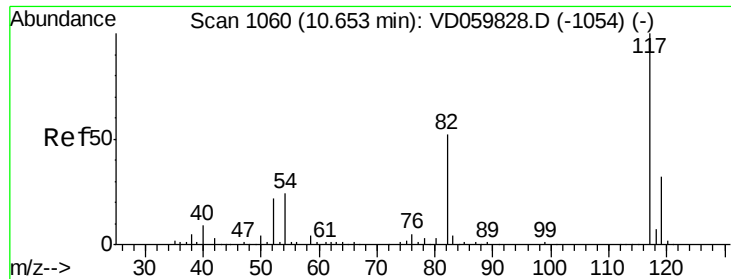


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

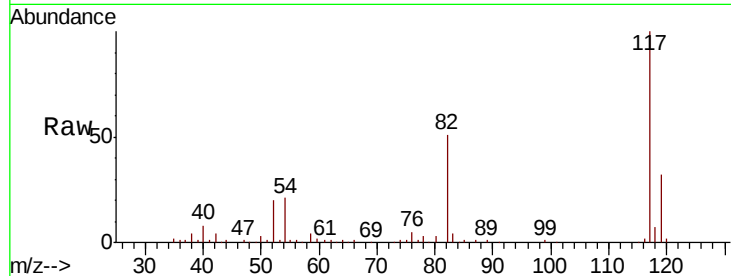




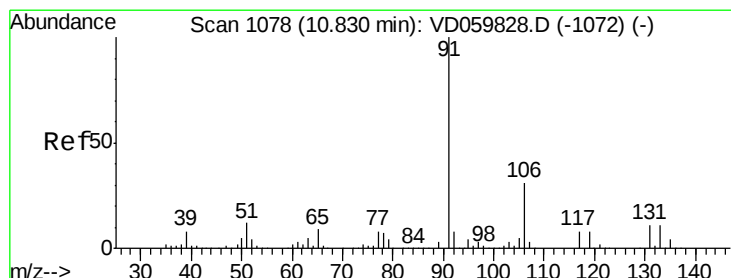
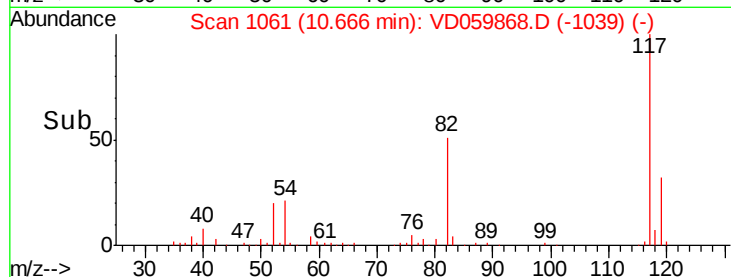
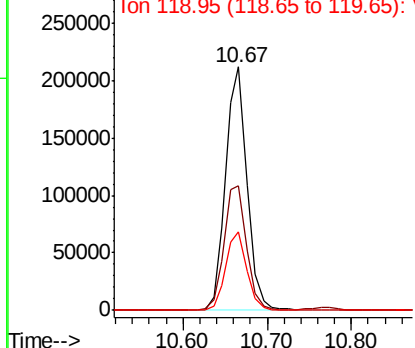
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059868.D
Acq: 21 Aug 2018 21:05

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051

Tot Ion:117 Resp: 373337
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 32.2 25.6 38.4

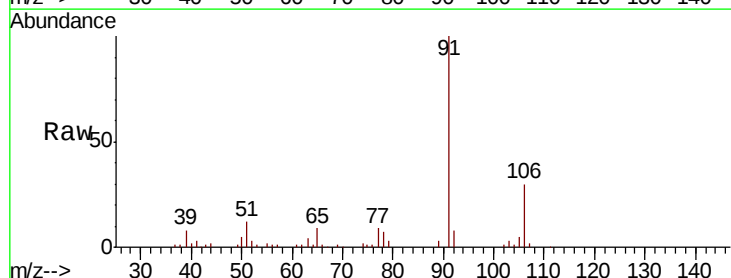


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

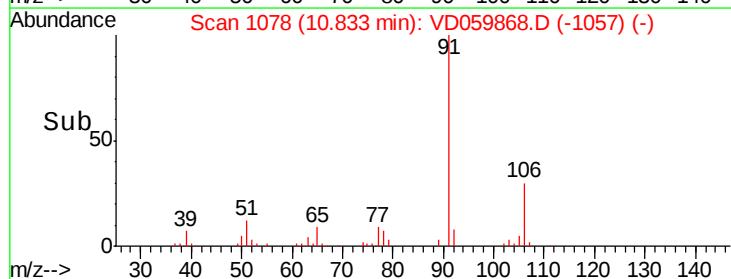
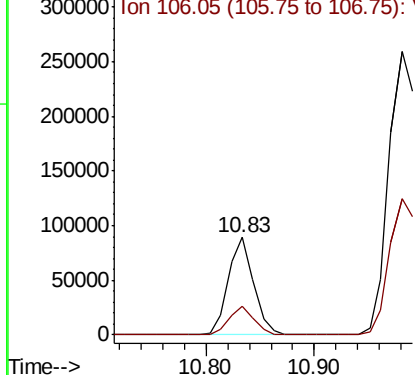


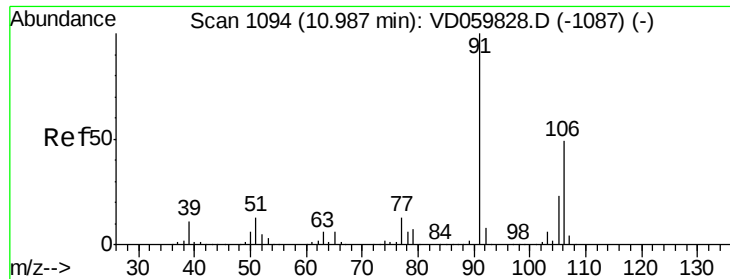
#67
Ethyl Benzene
Concen: 11.03 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059868.D
Acq: 21 Aug 2018 21:05

Tgt Ion: 91 Resp: 146406
Ion Ratio Lower Upper
91 100
106 29.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

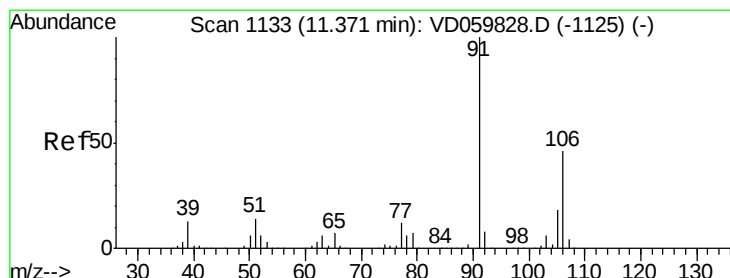
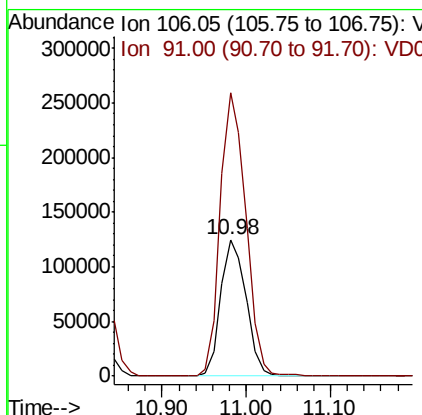
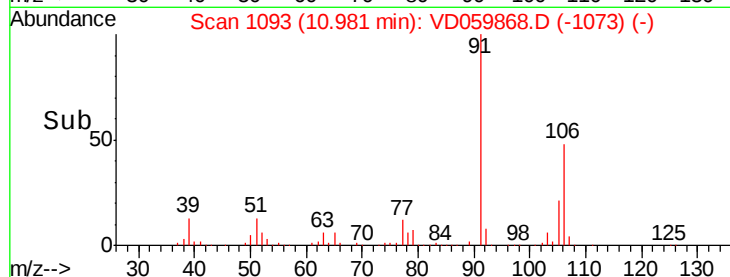
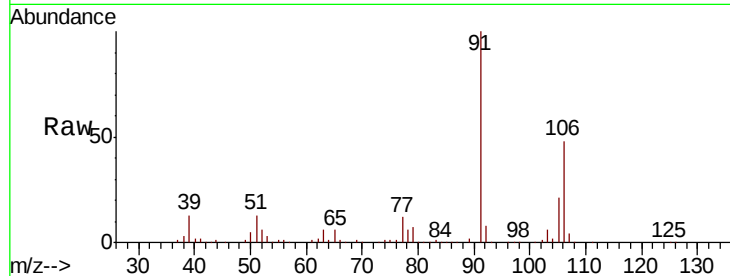




#68
m/p-Xylenes
Concen: 56.69 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD059868.D
Acq: 21 Aug 2018 21:05

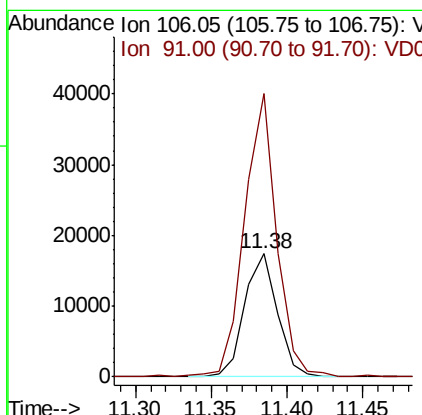
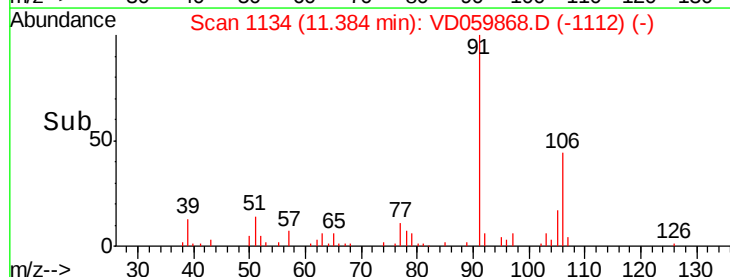
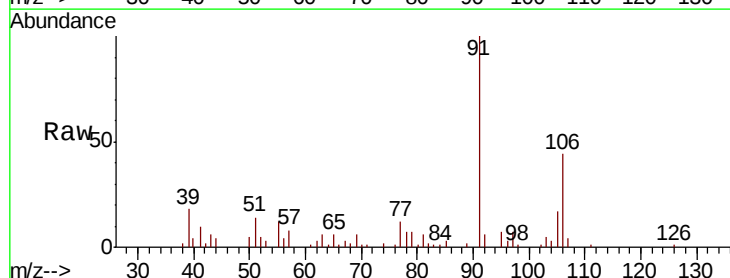
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-125-051

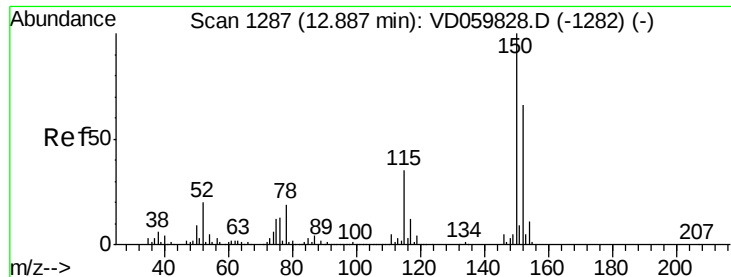
Tot Ion:106 Resp: 262242
Ion Ratio Lower Upper
106 100
91 206.9 161.8 242.8



#69
o-Xylene
Concen: 6.28 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059868.D
Acq: 21 Aug 2018 21:05

Tgt Ion:106 Resp: 26189
Ion Ratio Lower Upper
106 100
91 229.5 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-SSW-125-051

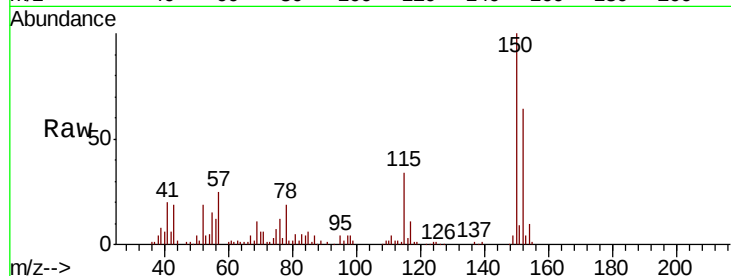
Tot Ion:152 Resp: 99025

Ion Ratio Lower Upper

152 100

115 53.3 26.9 80.6

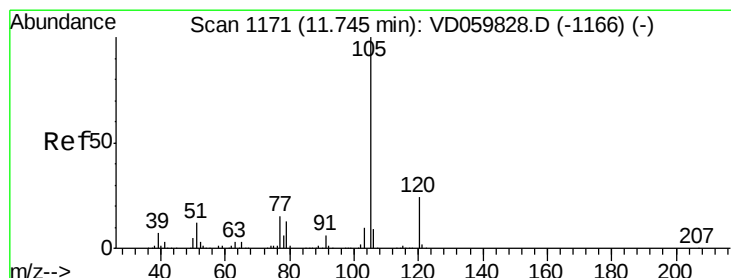
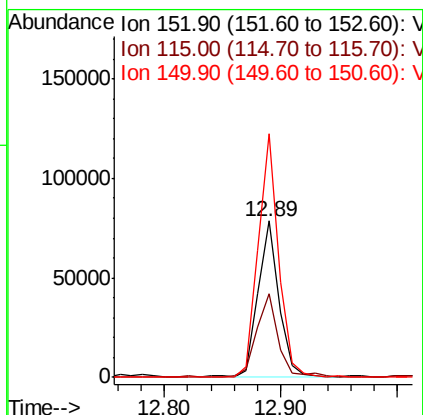
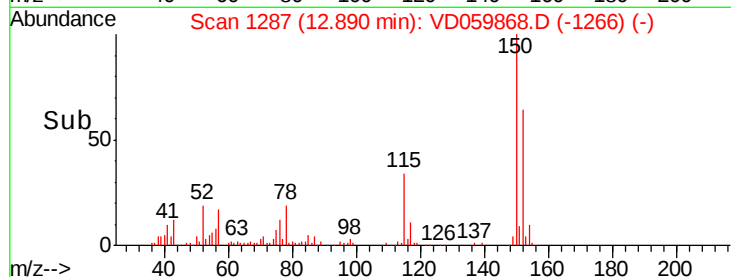
150 156.1 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 7.48 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059868.D

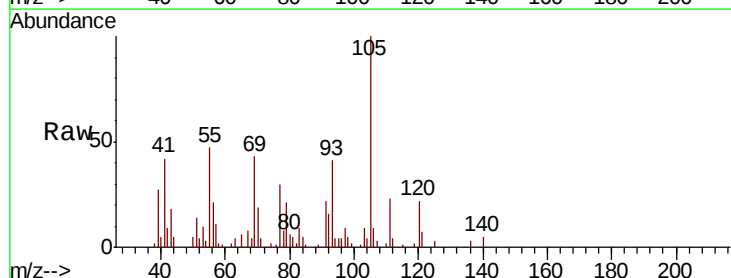
Acq: 21 Aug 2018 21:05

Tgt Ion:105 Resp: 50449

Ion Ratio Lower Upper

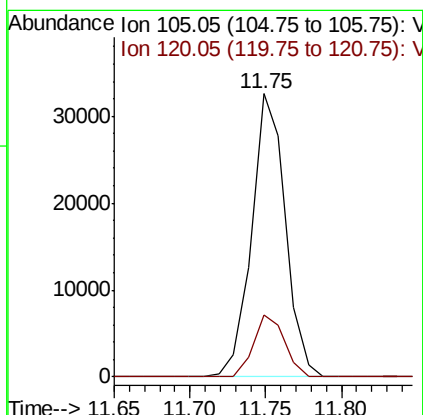
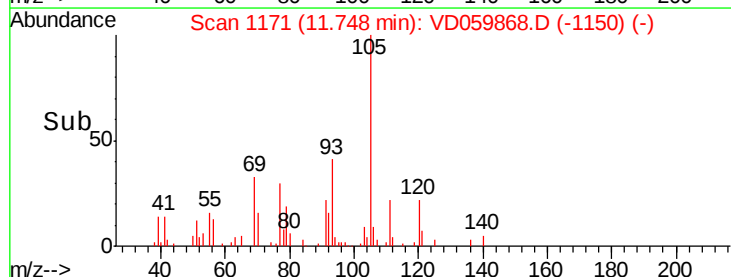
105 100

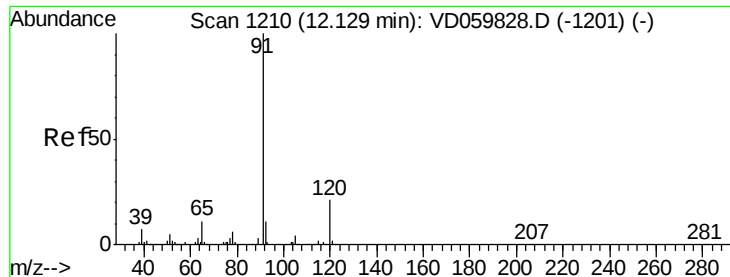
120 21.8 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 1.73 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059868.D

Acq: 21 Aug 2018 21:05

Instrument :

MSVOA_D

ClientSampleId :

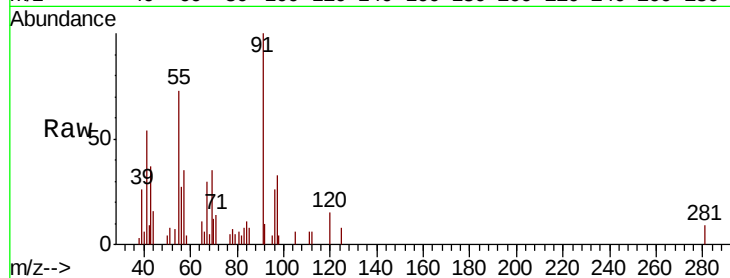
RA-081718-SSW-125-051

Tot Ion: 91 Resp: 14491

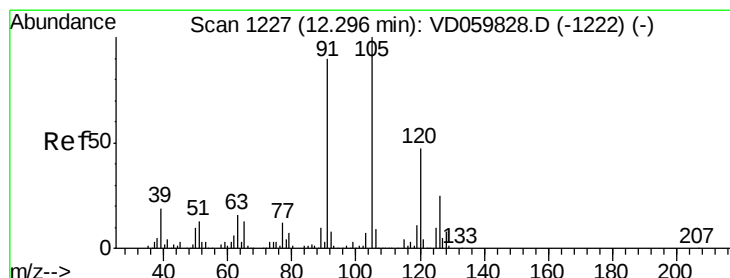
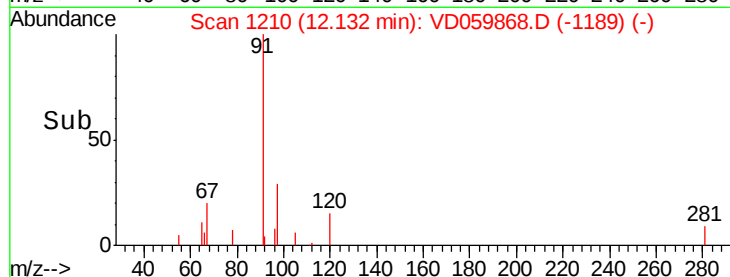
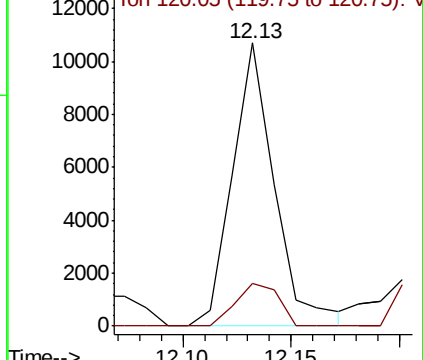
Ion Ratio Lower Upper

91 100

120 14.9 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): VD059868.D (-1201) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.38 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059868.D

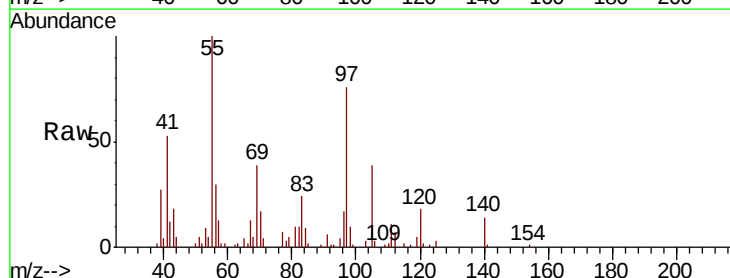
Acq: 21 Aug 2018 21:05

Tgt Ion: 105 Resp: 23246

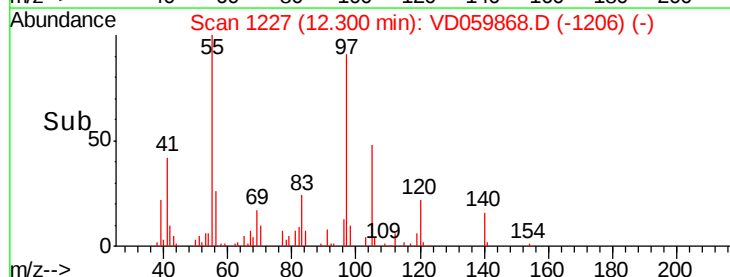
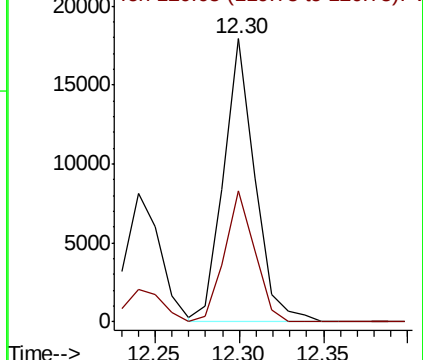
Ion Ratio Lower Upper

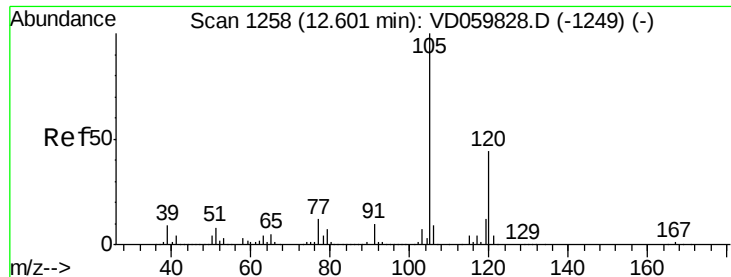
105 100

120 46.1 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): VD059868.D (-1206) (-)

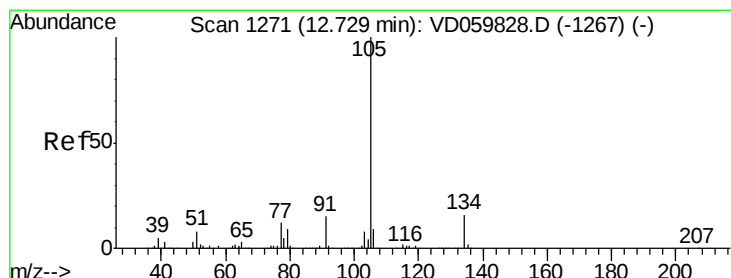
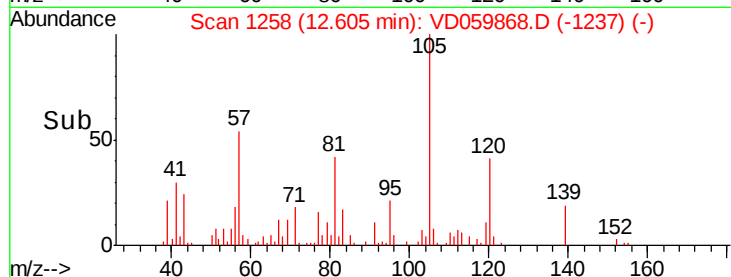
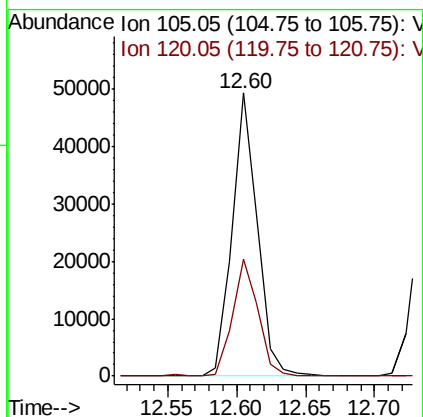
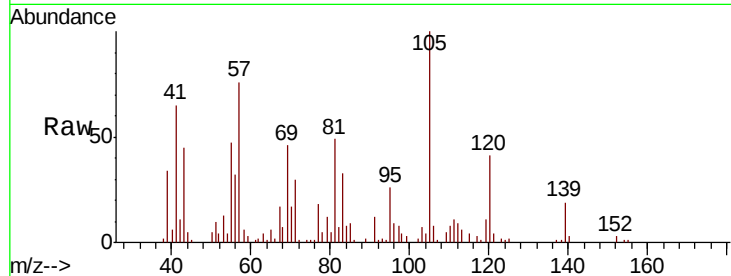




#84
 1,2,4-Trimethylbenzene
 Concen: 11.26 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059868.D
 Acq: 21 Aug 2018 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-125-051

Tot Ion:105 Resp: 62542
 Ion Ratio Lower Upper
 105 100
 120 41.5 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 5.88 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD059868.D
 Acq: 21 Aug 2018 21:05

Tgt Ion:105 Resp: 41506
 Ion Ratio Lower Upper
 105 100
 134 17.0 7.8 23.5

