

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061610.D
 Acq On : 12 Feb 2019 15:49
 Operator : VA/AP
 Sample : K1343-07
 Misc : 7.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-021119-D

Quant Time: Feb 13 03:15:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

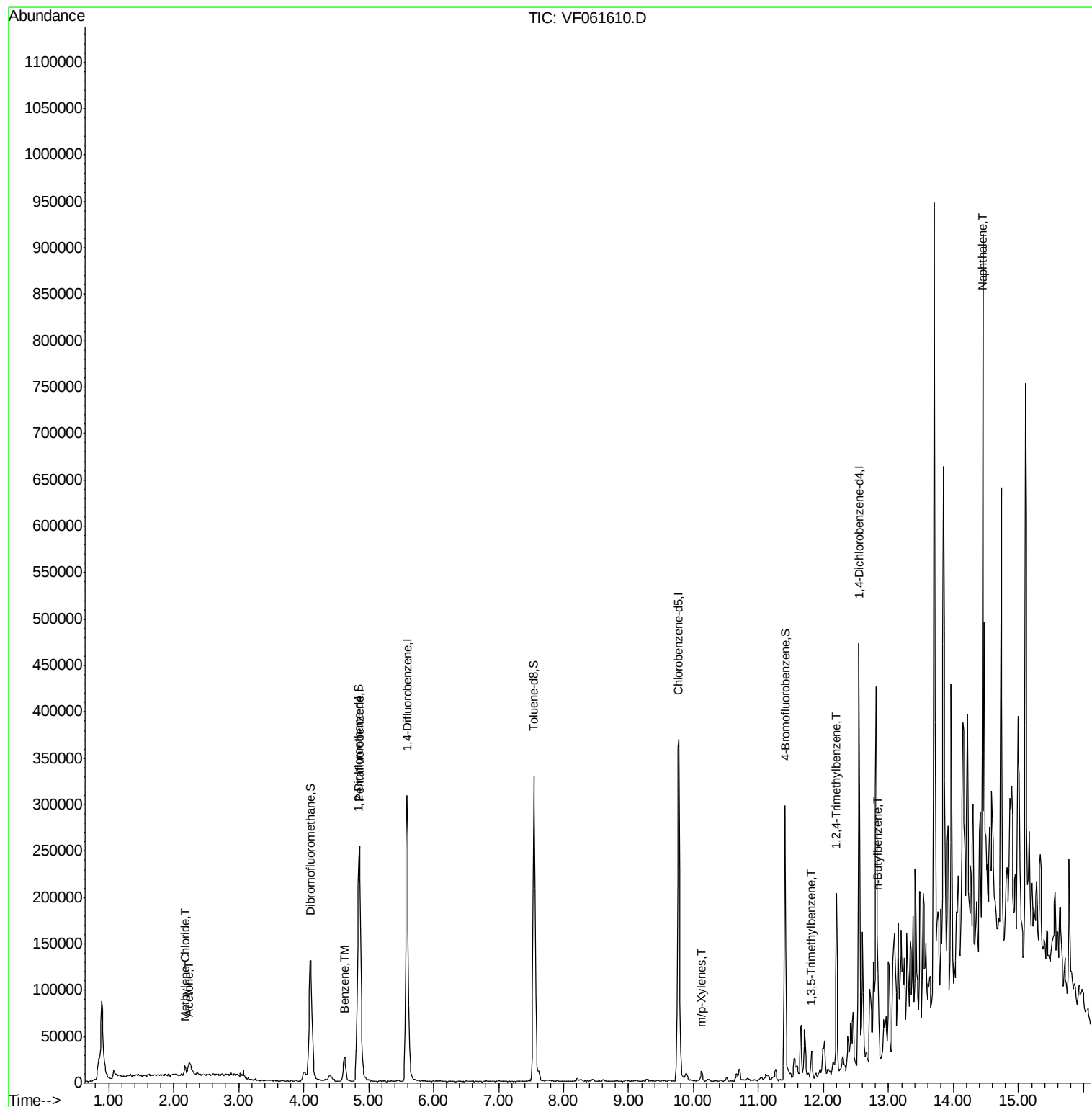
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	181310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	333463	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	268551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	105927	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	114886	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
35) Dibromofluoromethane	4.11	113	131631	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	7.54	98	279696	38.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.60%	
62) 4-Bromofluorobenzene	11.40	95	121982	36.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.42%	
Target Compounds						
					Qvalue	
16) Acetone	2.24	43	19012m	42.336	ug/l	
20) Methylene Chloride	2.19	84	11462m	5.972	ug/l	
40) Benzene	4.63	78	32797	3.812	ug/l	99
68) m/p-Xylenes	10.12	106	4100	1.142	ug/l	79
80) 1,3,5-Trimethylbenzene	11.82	105	14363	2.066	ug/l	92
84) 1,2,4-Trimethylbenzene	12.20	105	75745	10.577	ug/l	94
89) n-Butylbenzene	12.84	91	29225	3.532	ug/l	83
95) Naphthalene	14.45	128	34082	7.524	ug/l #	63

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
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ClientSampleId :
JC-02-021119-D

Quant Time: Feb 13 03:15:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

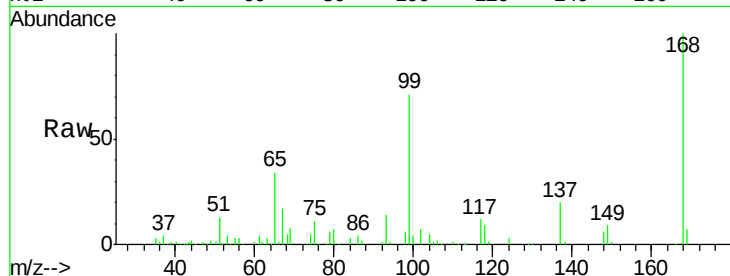
JC-02-021119-D

Tot Ion:168 Resp: 181310

Ion Ratio Lower Upper

168 100

99 71.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

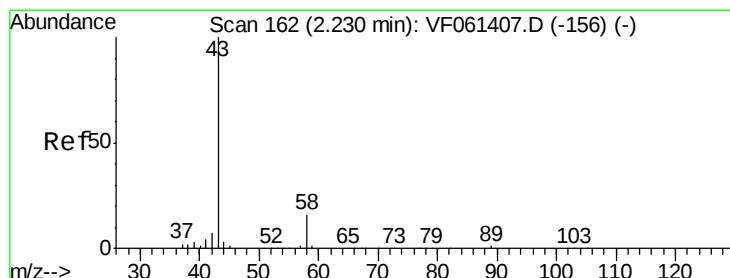
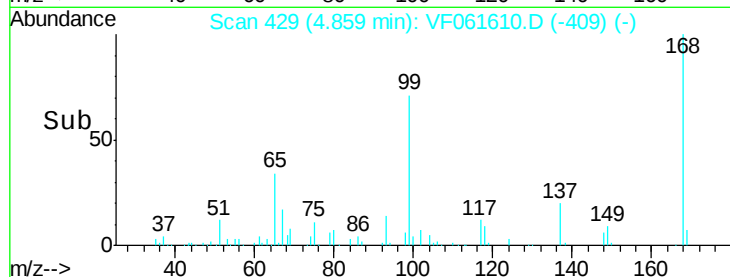
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 42.336 ug/l m

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061610.D

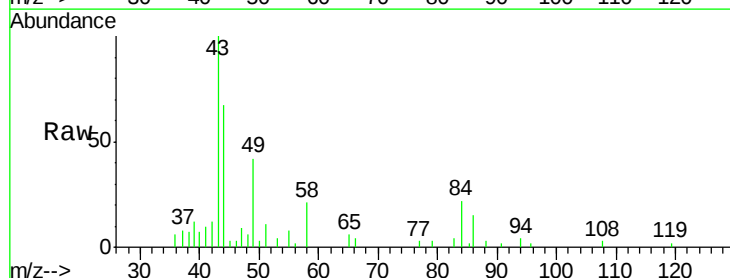
Acq: 12 Feb 2019 15:49

Tgt Ion: 43 Resp: 19012

Ion Ratio Lower Upper

43 100

58 20.9 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

6000

5000

4000

3000

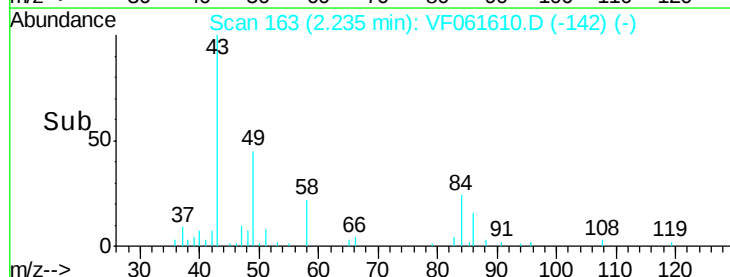
2000

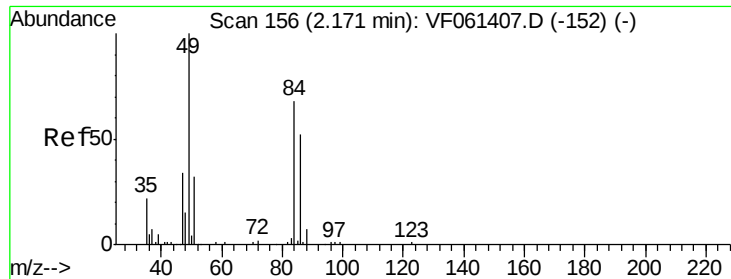
1000

0

Time-->

2.15 2.20 2.25 2.30 2.35

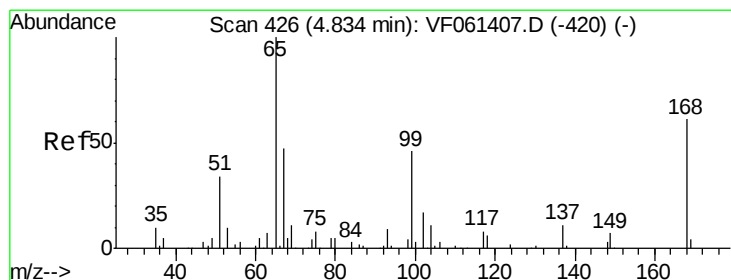
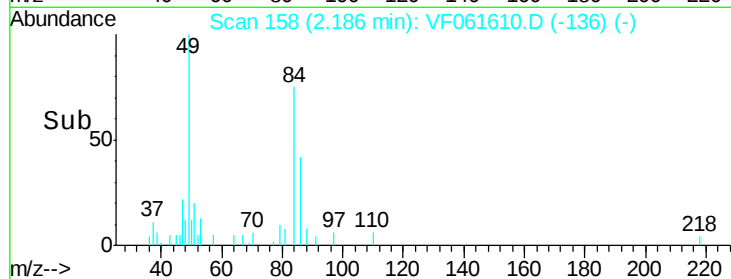
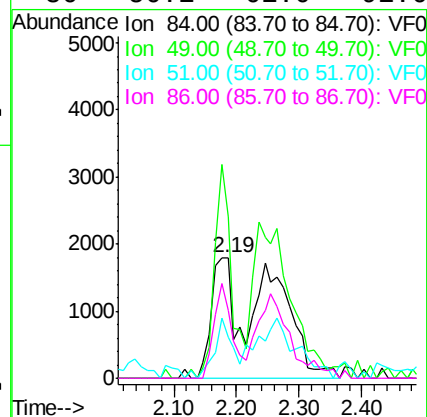
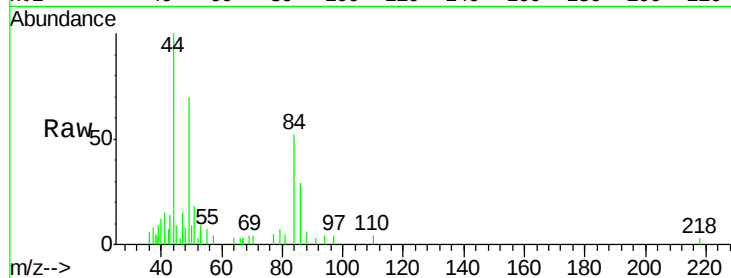




#20
Methvlene Chloride
Concen: 5.972 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF061610.D
Acq: 12 Feb 2019 15:49

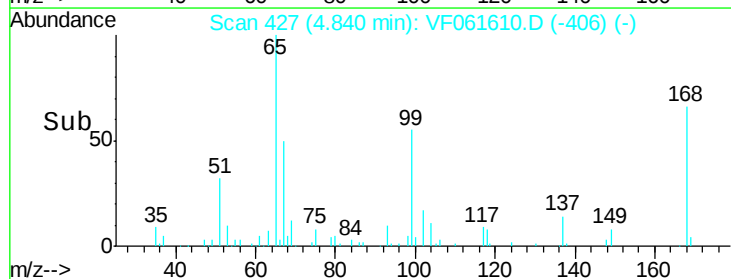
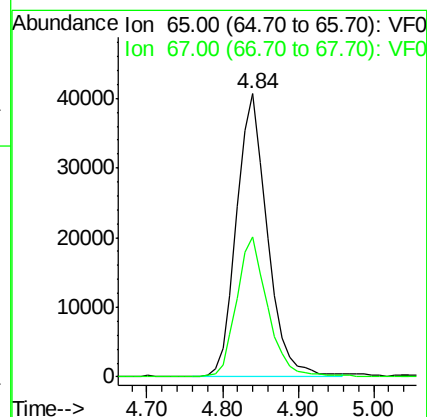
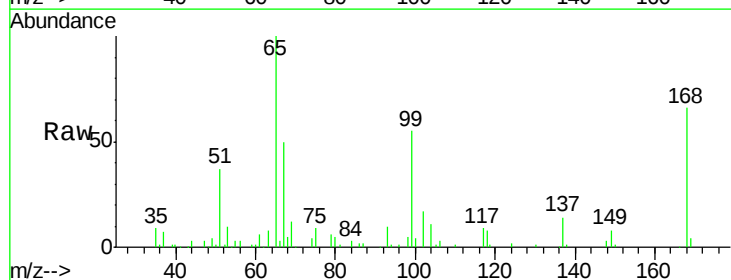
Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

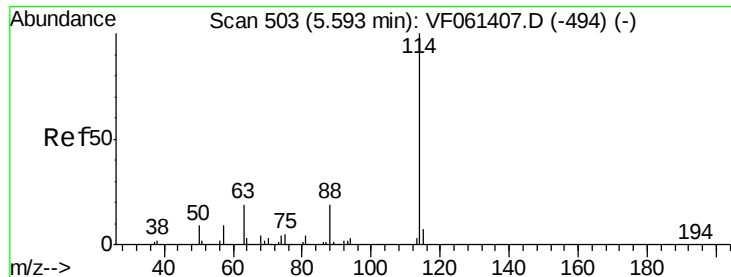
Tot Ion: 84 Resp: 11462
Ion Ratio Lower Upper
84 100
49 134.0 120.0 180.0
51 34.0 38.6 58.0#
86 56.1 61.0 91.6#



#33
1,2-Dichloroethane-d4
Concen: 51.323 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.01 min
Lab File: VF061610.D
Acq: 12 Feb 2019 15:49

Tgt Ion: 65 Resp: 114886
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-D

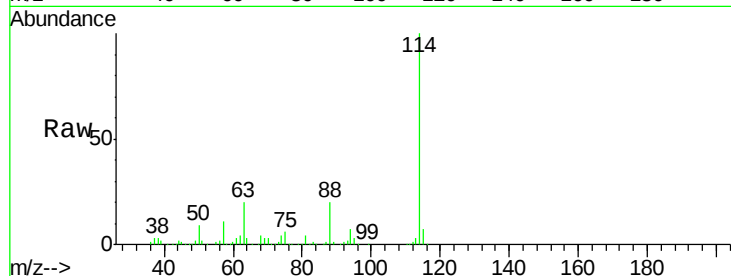
Tot Ion:114 Resp: 333463

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

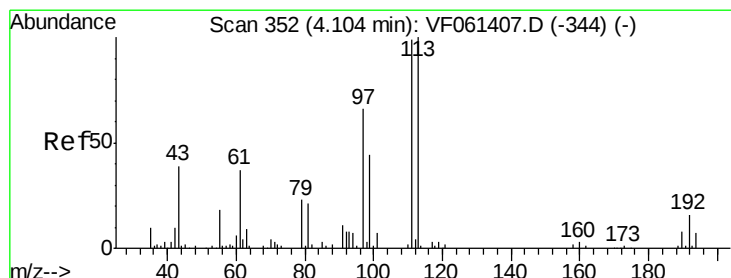
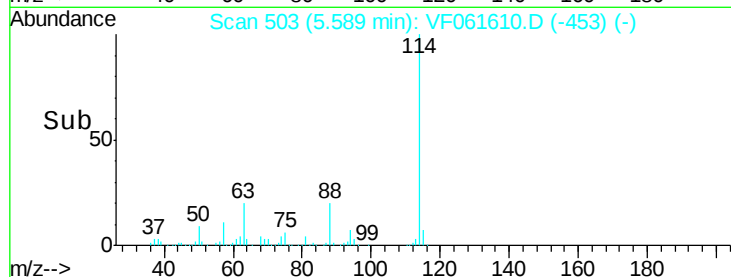
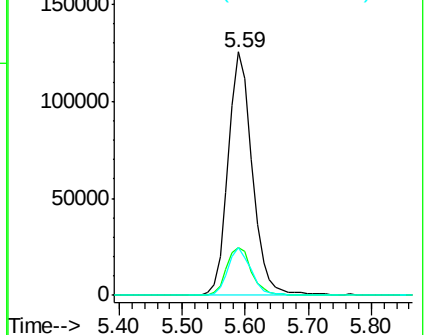
88 19.9 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 50.025 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

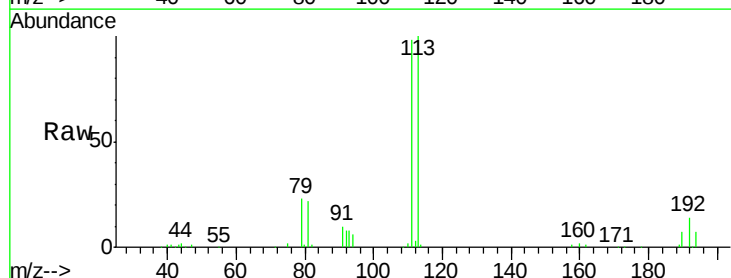
Tgt Ion:113 Resp: 131631

Ion Ratio Lower Upper

113 100

111 98.3 79.4 119.0

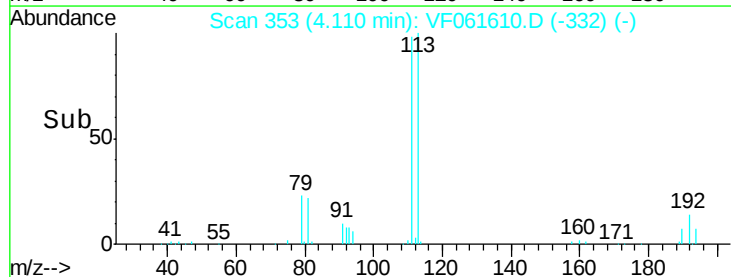
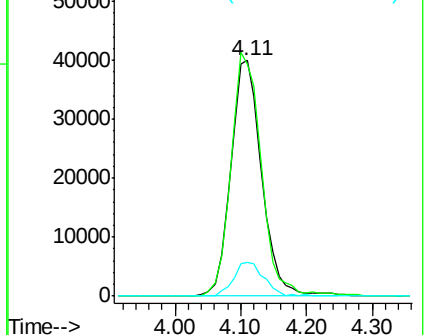
192 14.2 12.4 18.6

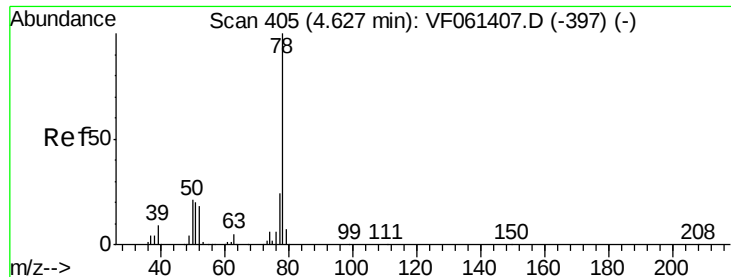


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 3.812 ug/l

RT: 4.63 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

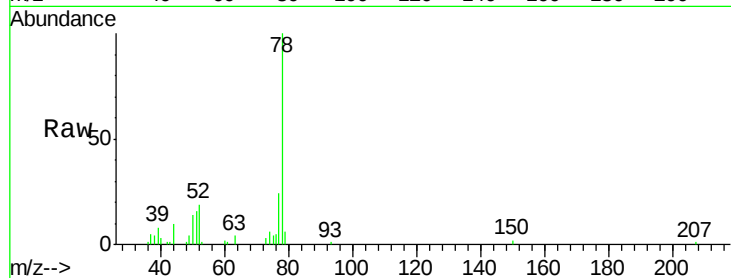
JC-02-021119-D

Tot Ion: 78 Resp: 32797

Ion Ratio Lower Upper

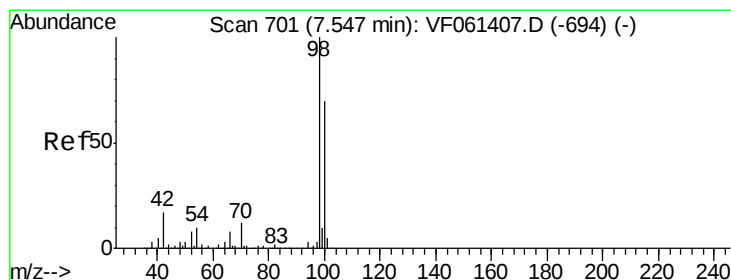
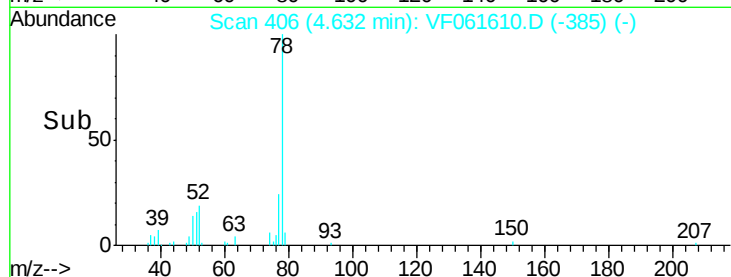
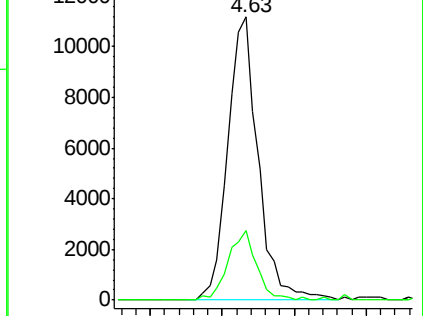
78 100

77 24.5 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#50

Toluene-d8

Concen: 38.796 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061610.D

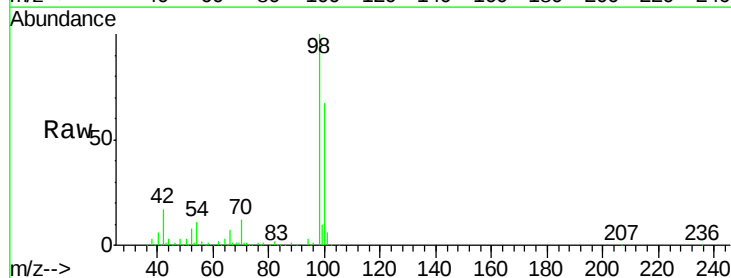
Acq: 12 Feb 2019 15:49

Tgt Ion: 98 Resp: 279696

Ion Ratio Lower Upper

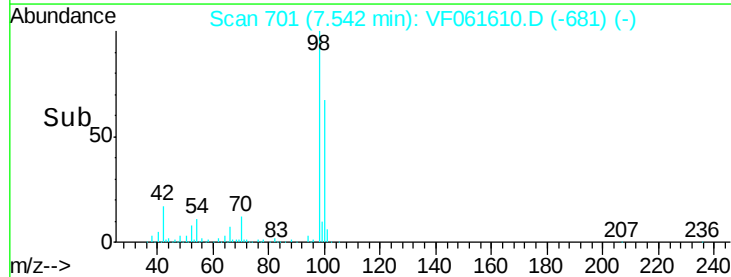
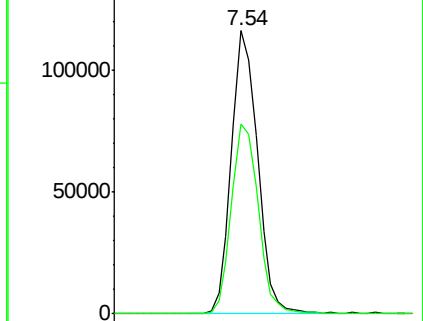
98 100

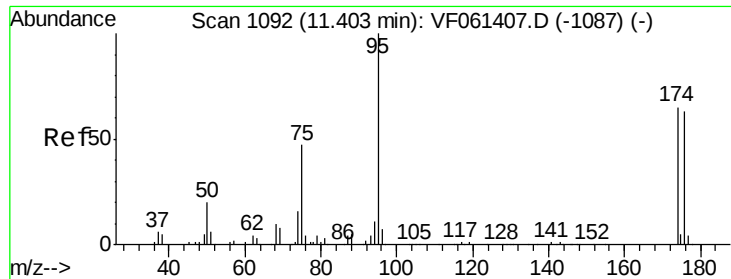
100 67.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 36.214 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-D

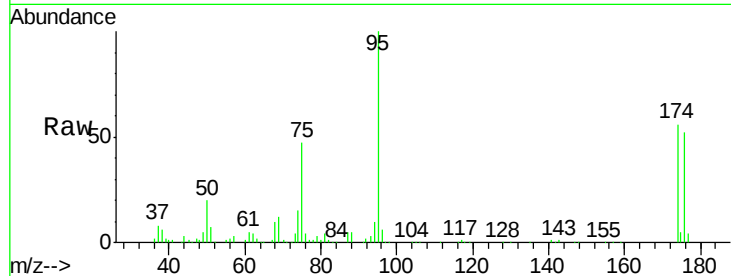
Tot Ion: 95 Resp: 121982

Ion Ratio Lower Upper

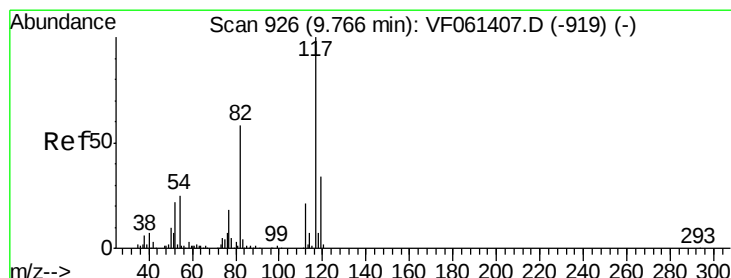
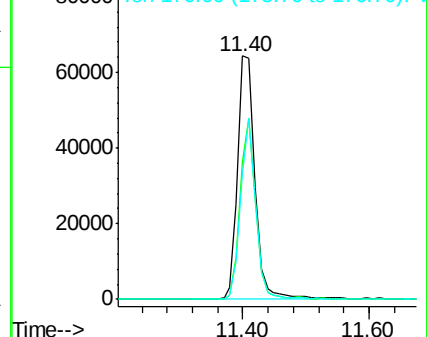
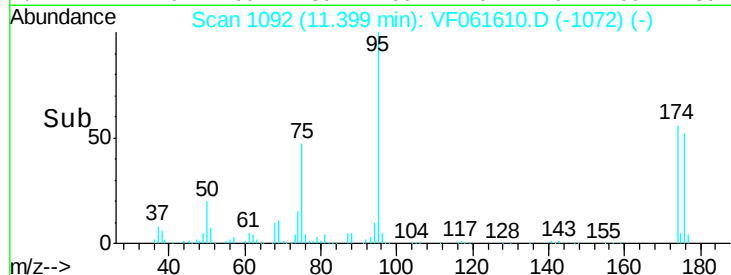
95 100

174 56.2 0.0 130.4

176 51.6 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061610.D (-1072) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

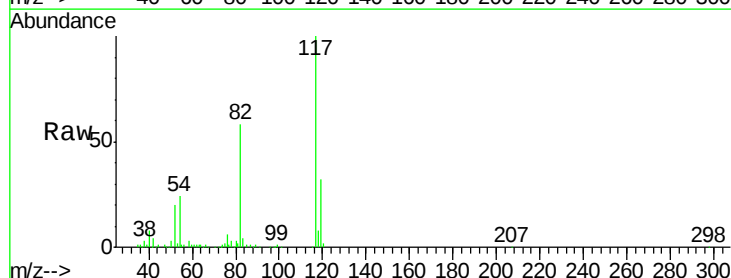
Tgt Ion: 117 Resp: 268551

Ion Ratio Lower Upper

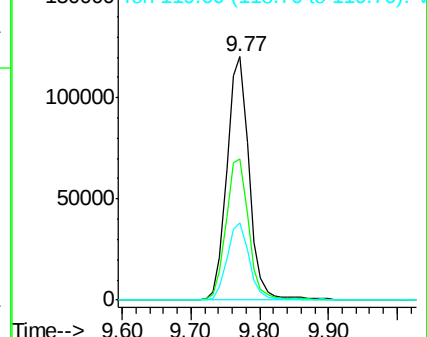
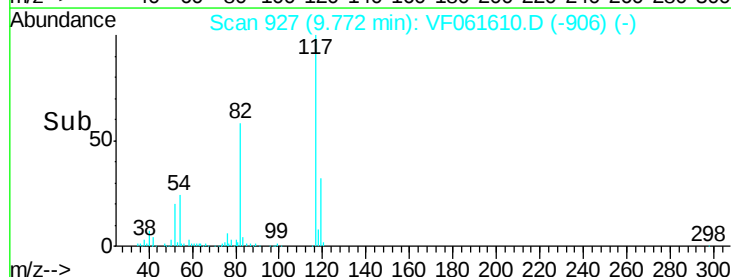
117 100

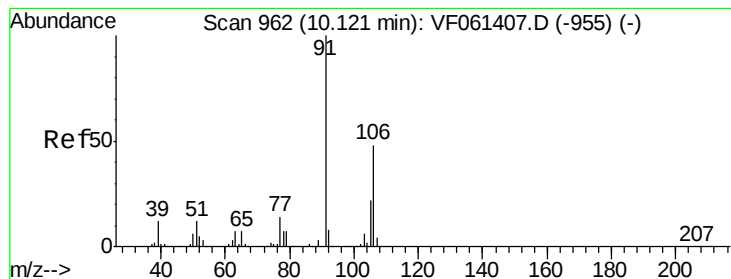
82 58.1 46.4 69.6

119 31.9 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): VF061610.D (-906) (-)





#68

m/p-Xvlenes

Concen: 1.142 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

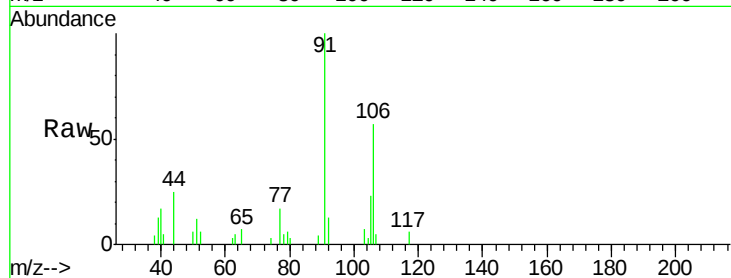
JC-02-021119-D

Tot Ion:106 Resp: 4100

Ion Ratio Lower Upper

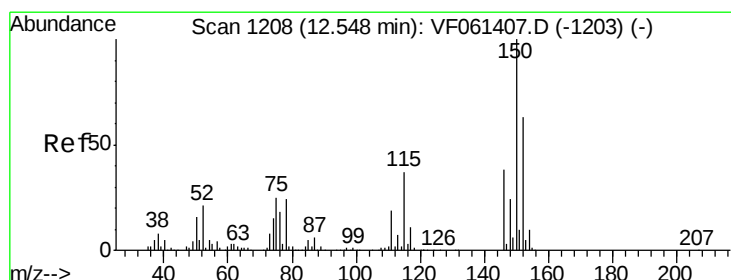
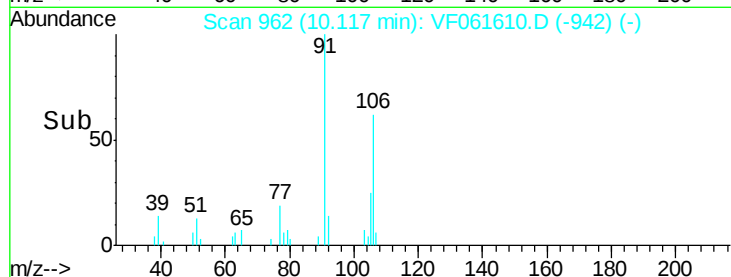
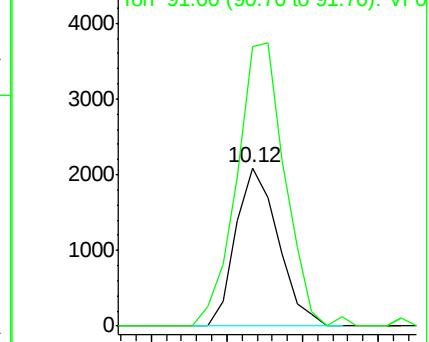
106 100

91 176.0 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

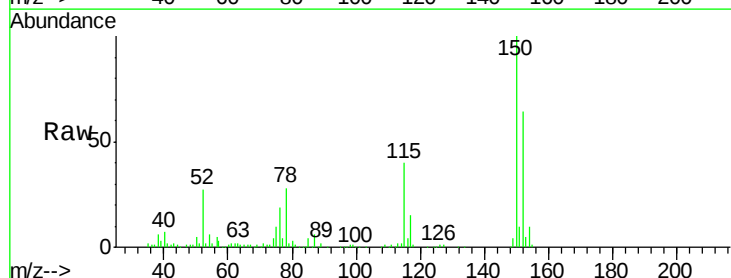
Tgt Ion:152 Resp: 105927

Ion Ratio Lower Upper

152 100

115 62.1 30.0 90.0

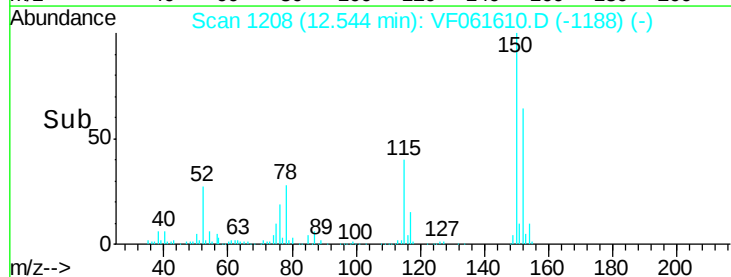
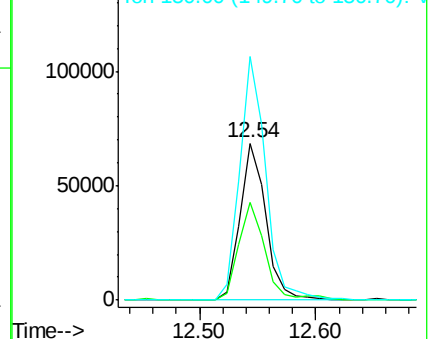
150 155.5 0.0 321.4

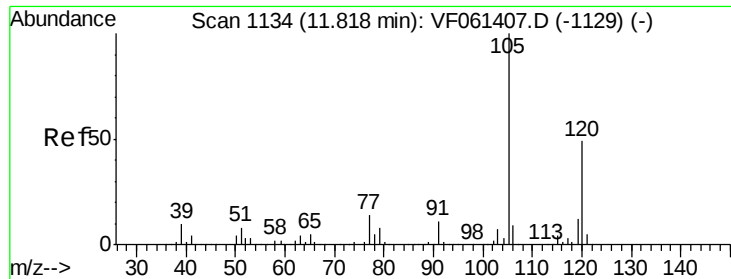


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#80

1,3,5-Trimethylbenzene

Concen: 2.066 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061610.D

Acq: 12 Feb 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

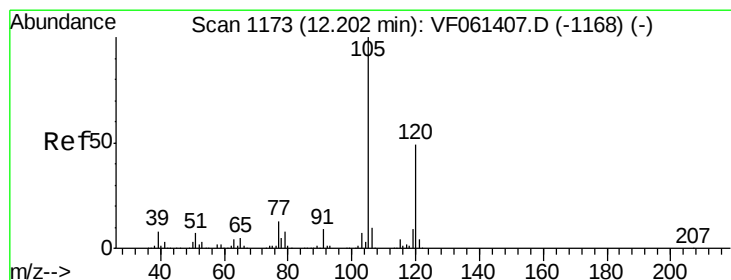
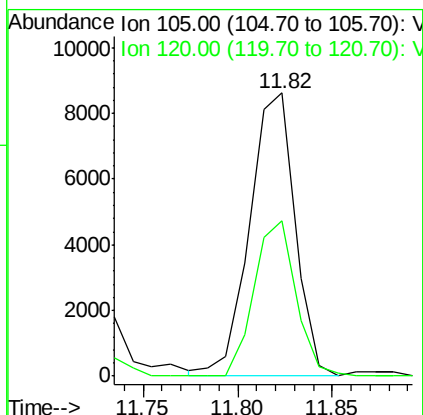
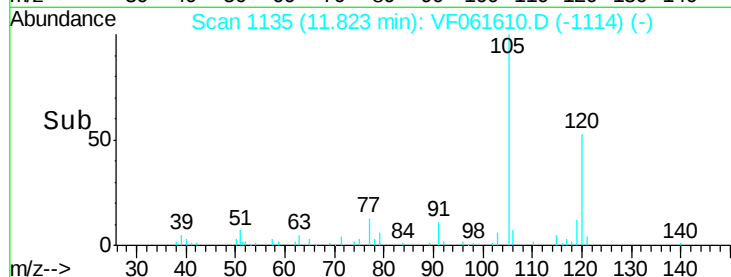
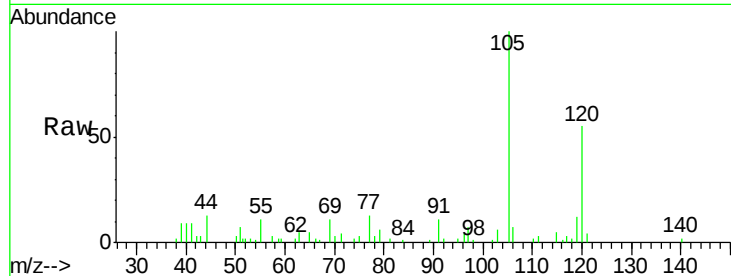
JC-02-021119-D

Tot Ion:105 Resp: 14363

Ion Ratio Lower Upper

105 100

120 54.8 24.7 74.1



#84

1,2,4-Trimethylbenzene

Concen: 10.577 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF061610.D

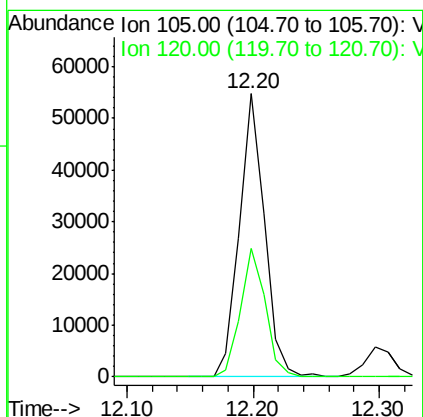
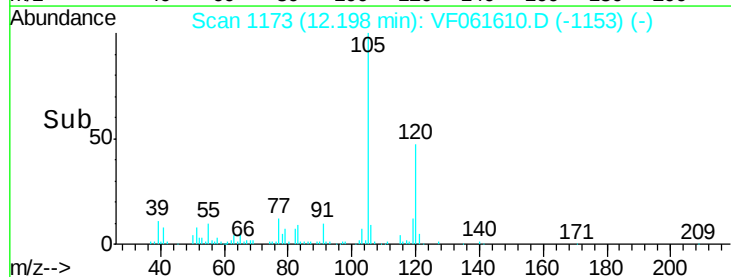
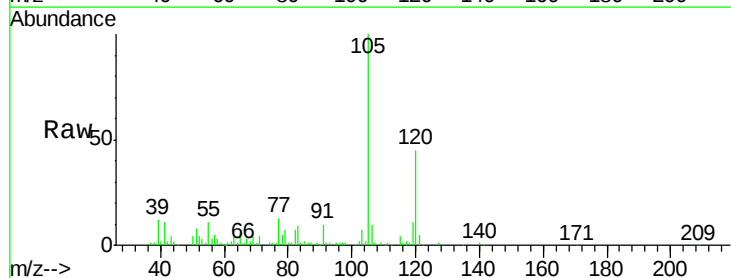
Acq: 12 Feb 2019 15:49

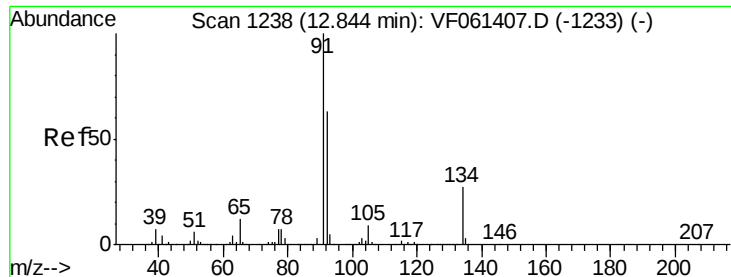
Tgt Ion:105 Resp: 75745

Ion Ratio Lower Upper

105 100

120 45.4 24.9 74.6

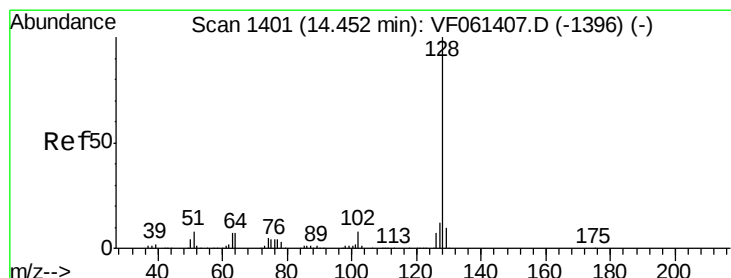
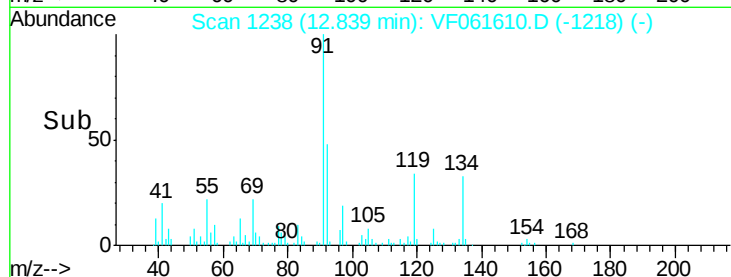
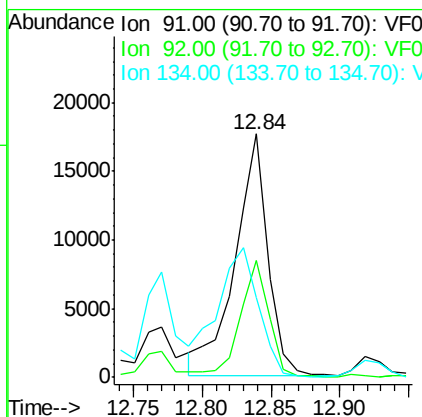
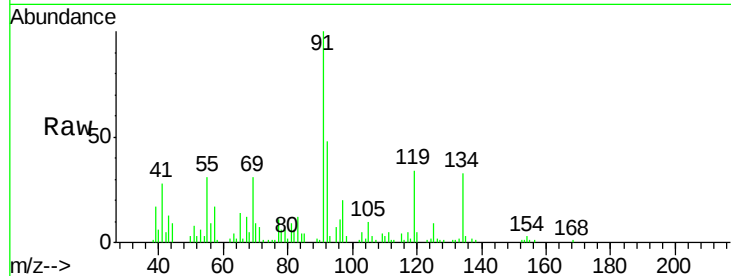




#89
n-Butylbenzene
Concen: 3.532 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061610.D
Acq: 12 Feb 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-D

Tot Ion: 91 Resp: 29225
Ion Ratio Lower Upper
91 100
92 47.9 31.6 94.7
134 32.6 13.6 40.8



#95
Naphthalene
Concen: 7.524 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061610.D
Acq: 12 Feb 2019 15:49

Tgt Ion: 128 Resp: 34082
Ion Ratio Lower Upper
128 100
127 31.2 9.5 14.3#
129 19.1 8.4 12.6#

