

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061607.D
 Acq On : 12 Feb 2019 14:24
 Operator : VA/AP
 Sample : K1343-01
 Misc : 6.65g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 13 03:05:32 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

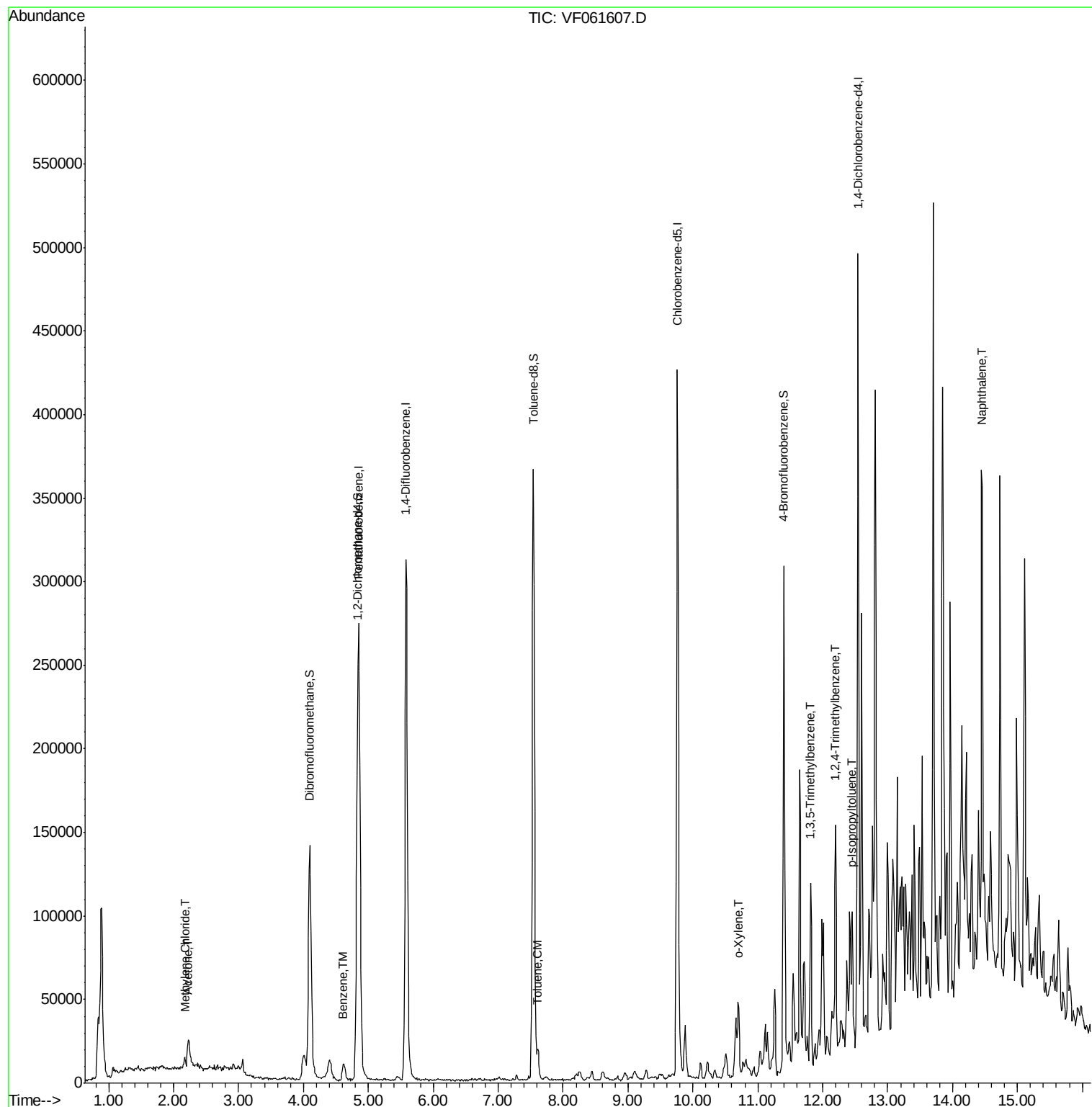
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	187521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	344827	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	283163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	113451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	122098	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
35) Dibromofluoromethane	4.10	113	133568	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	7.54	98	291575	39.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.22%	
62) 4-Bromofluorobenzene	11.40	95	117151	33.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.26%	
Target Compounds						
16) Acetone	2.23	43	20273	43.649	ug/l	94
20) Methylene Chloride	2.17	84	7678m	3.226	ug/l	
40) Benzene	4.62	78	11242	1.264	ug/l	95
52) Toluene	7.61	92	8193	1.398	ug/l	98
69) o-Xylene	10.71	106	10926	2.664	ug/l	86
80) 1,3,5-Trimethylbenzene	11.81	105	51900	6.970	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	33355	4.349	ug/l	97
86) p-Isopropyltoluene	12.45	119	9496m	1.105	ug/l	
95) Naphthalene	14.45	128	19055	3.927	ug/l #	65

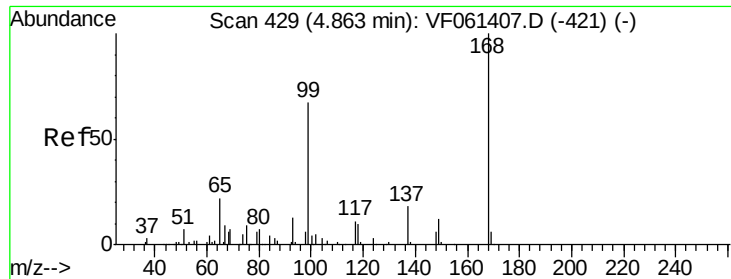
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
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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: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

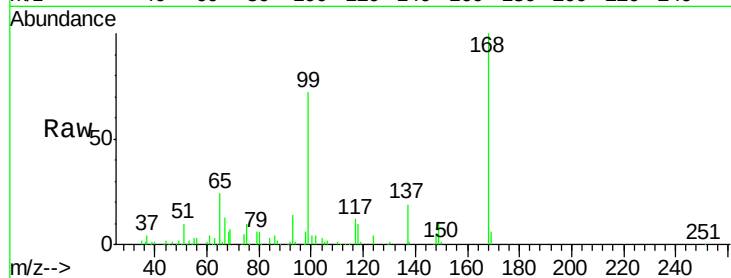
JC-02-021119-A

Tot Ion:168 Resp: 187521

Ion Ratio Lower Upper

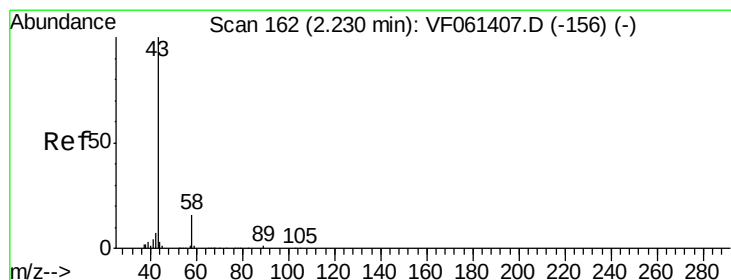
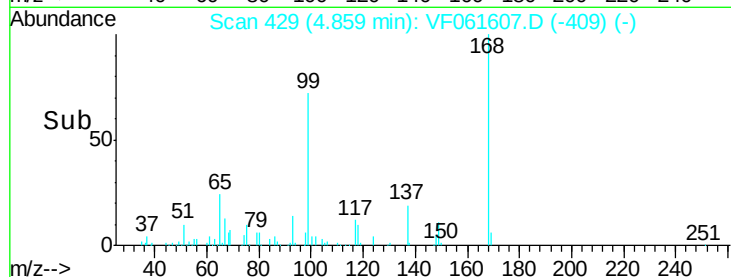
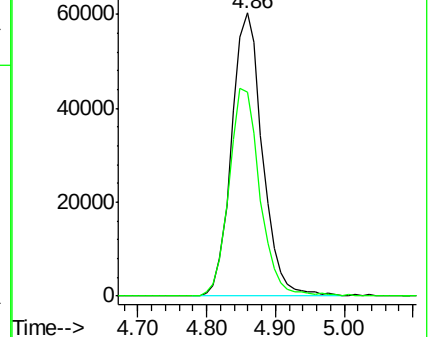
168 100

99 72.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 43.649 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061607.D

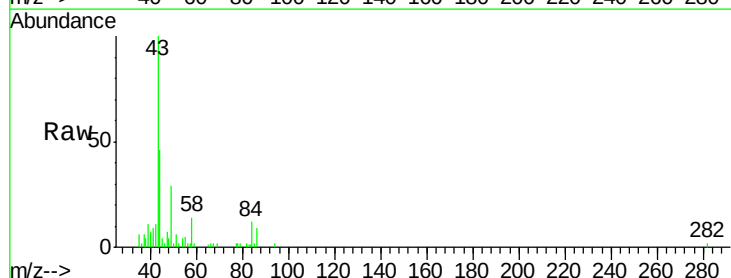
Acq: 12 Feb 2019 14:24

Tgt Ion: 43 Resp: 20273

Ion Ratio Lower Upper

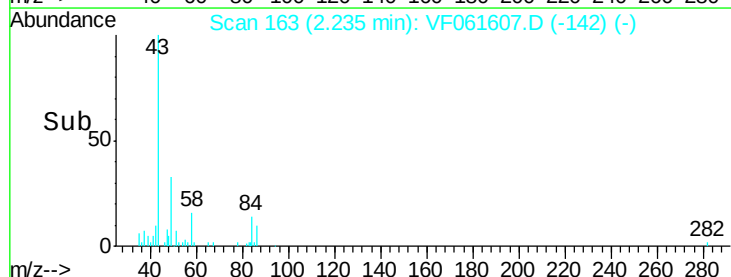
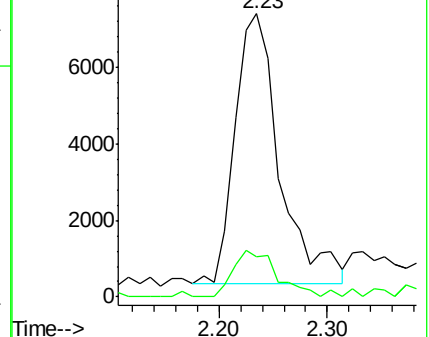
43 100

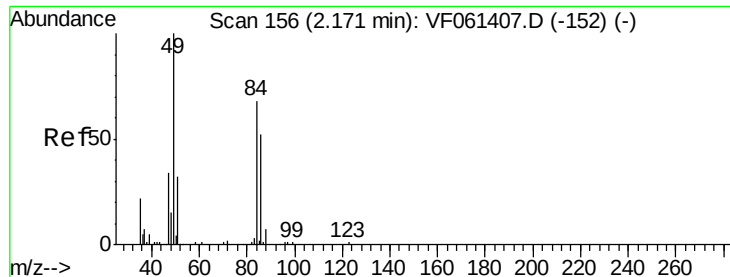
58 14.2 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 3.226 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-A

Tot Ion: 84 Resp: 7678

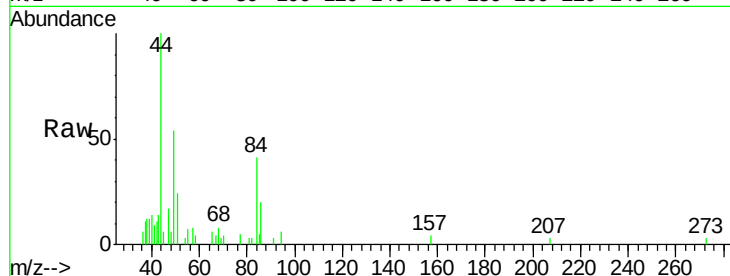
Ion Ratio Lower Upper

84 100

49 129.9 120.0 180.0

51 58.0 38.6 58.0#

86 49.1 61.0 91.6#

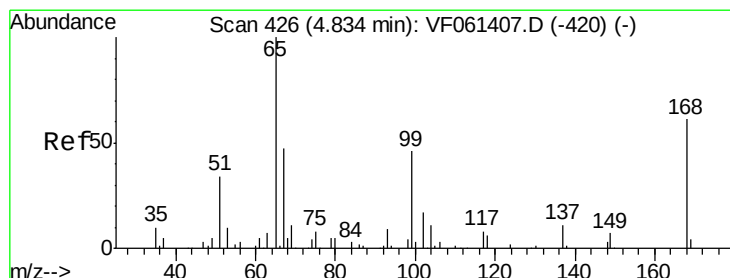
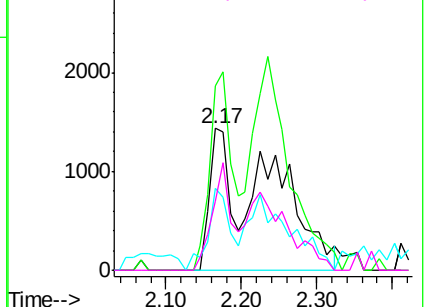
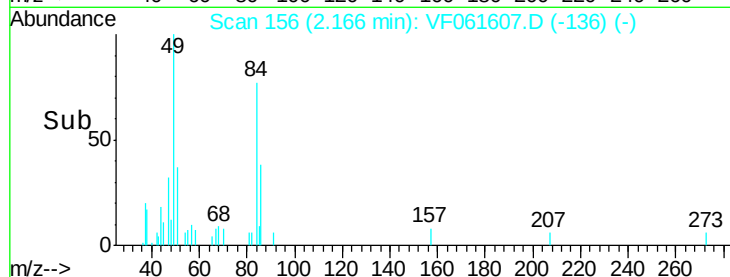


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 52.738 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061607.D

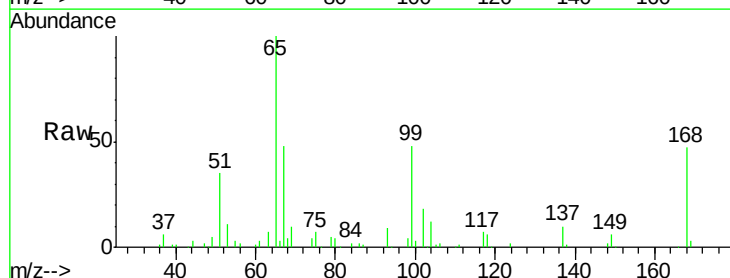
Acq: 12 Feb 2019 14:24

Tgt Ion: 65 Resp: 122098

Ion Ratio Lower Upper

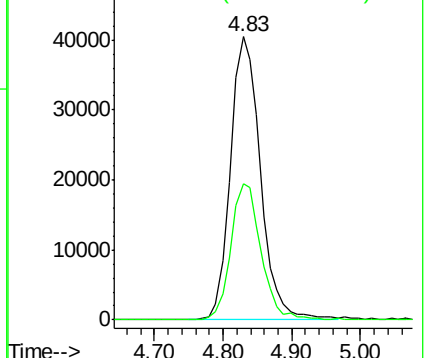
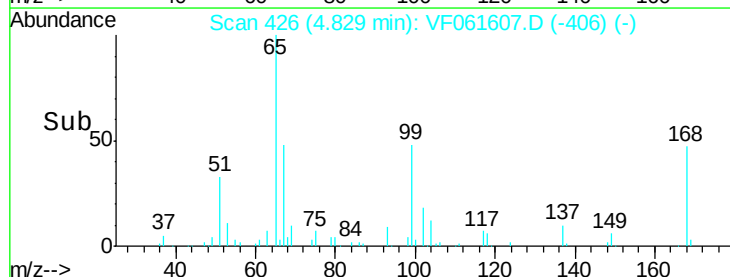
65 100

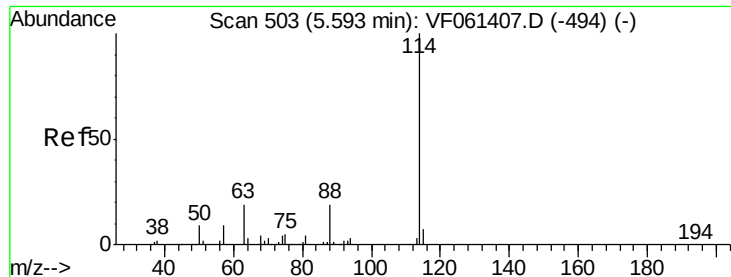
67 48.1 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-A

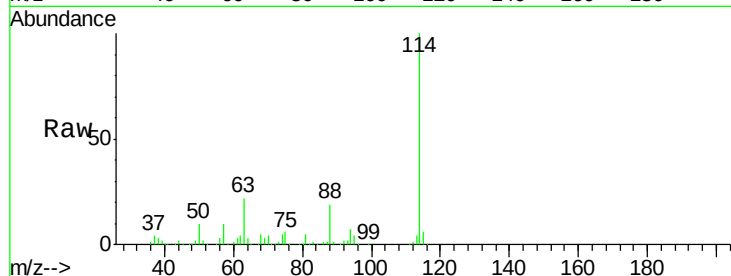
Tot Ion:114 Resp: 344827

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

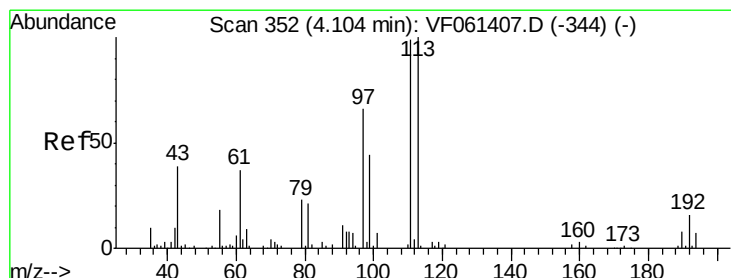
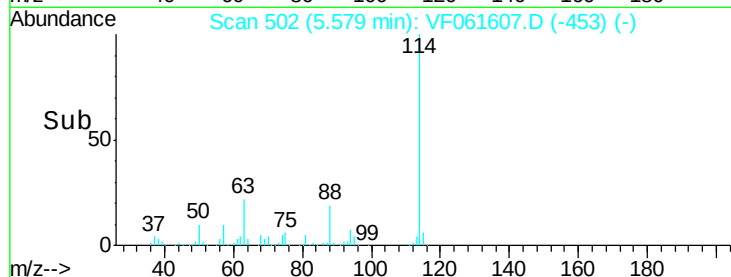
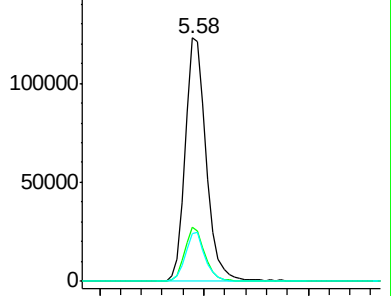
88 19.4 0.0 37.4



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: 49.088 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

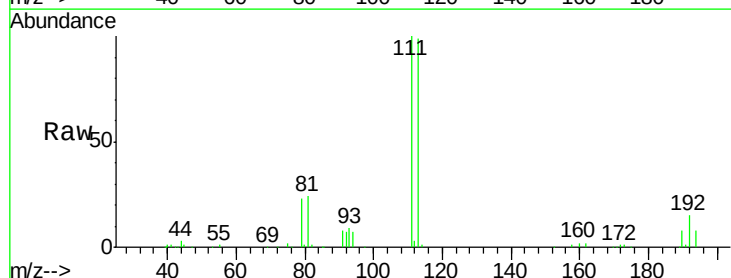
Tgt Ion:113 Resp: 133568

Ion Ratio Lower Upper

113 100

111 100.6 79.4 119.0

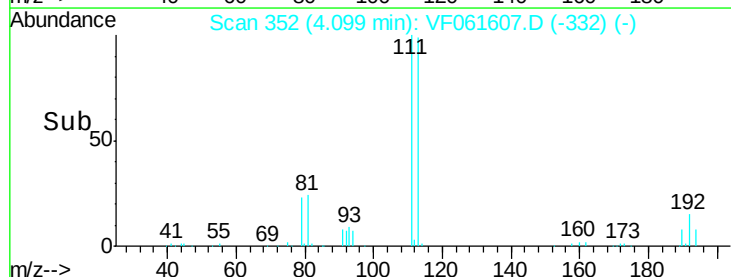
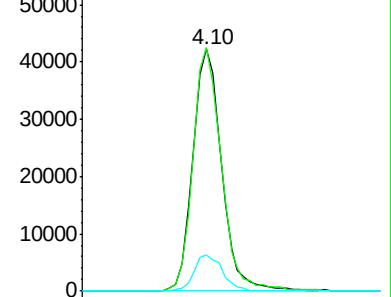
192 15.0 12.4 18.6

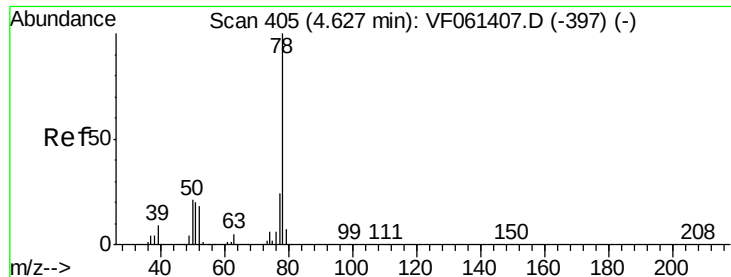


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 1.264 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

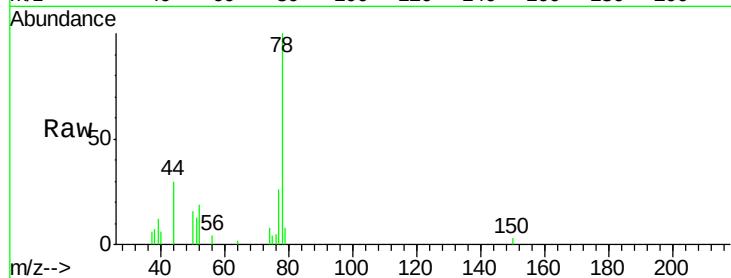
JC-02-021119-A

Tot Ion: 78 Resp: 11242

Ion Ratio Lower Upper

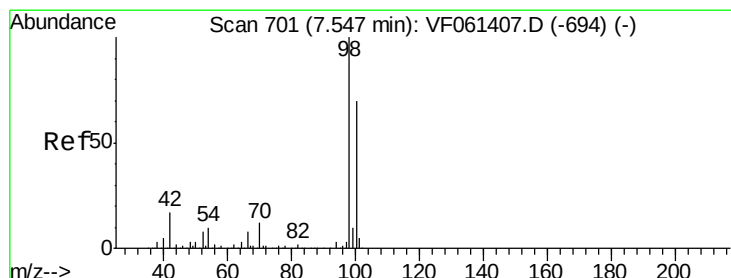
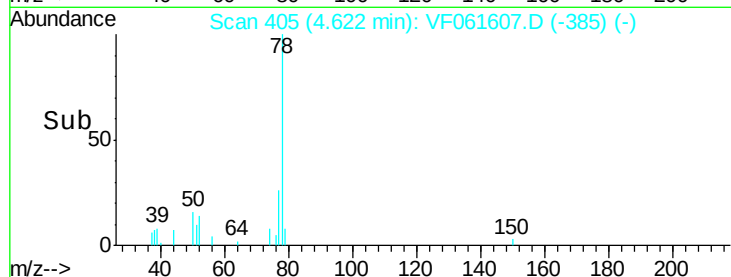
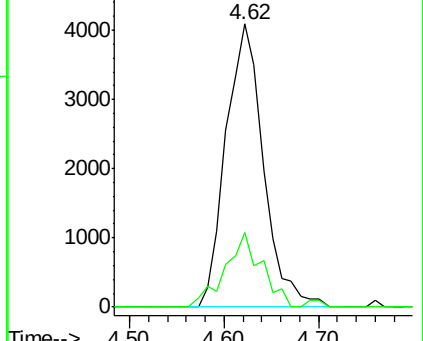
78 100

77 26.2 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: 39.111 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061607.D

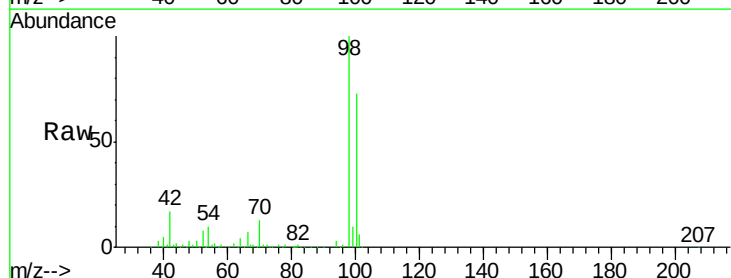
Acq: 12 Feb 2019 14:24

Tgt Ion: 98 Resp: 291575

Ion Ratio Lower Upper

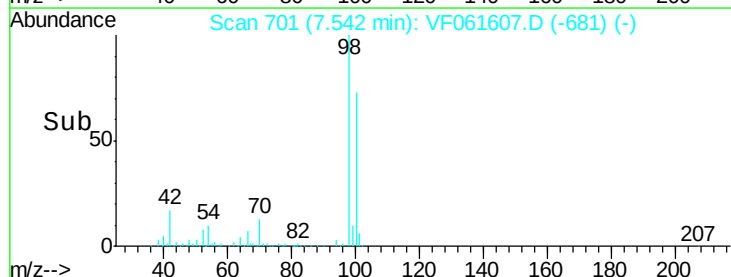
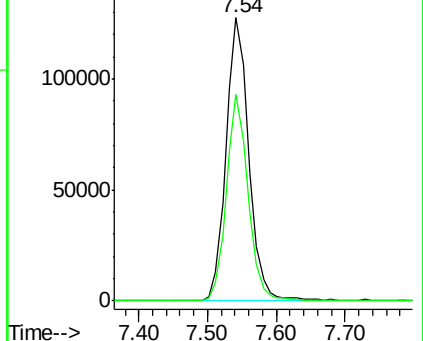
98 100

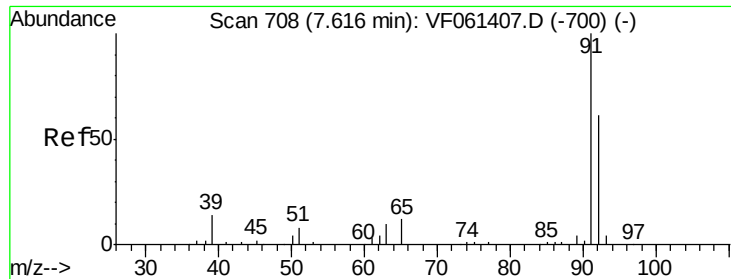
100 72.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.398 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

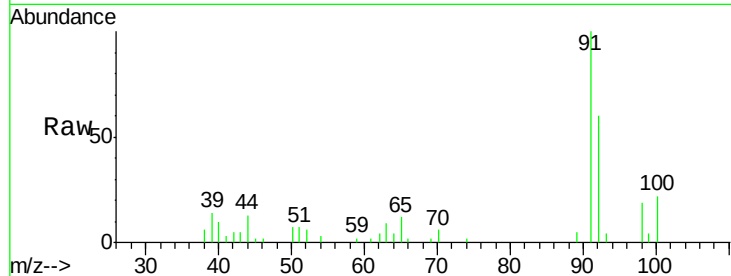
JC-02-021119-A

Tot Ion: 92 Resp: 8193

Ion Ratio Lower Upper

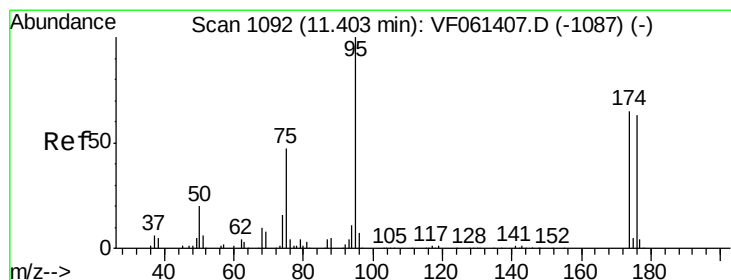
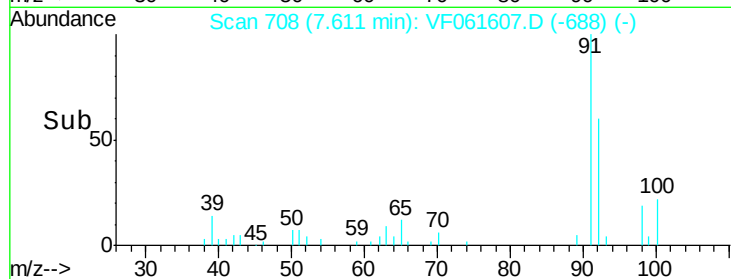
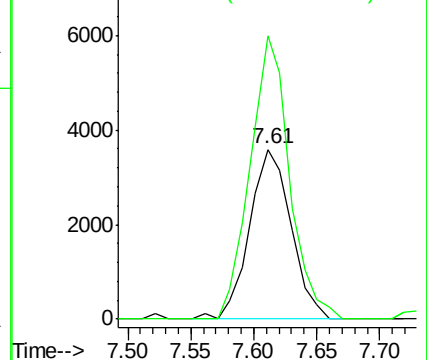
92 100

91 166.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 33.633 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

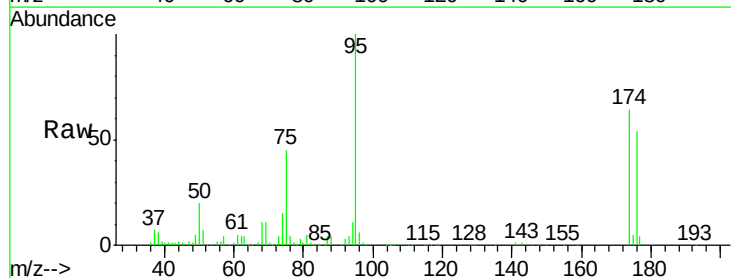
Tgt Ion: 95 Resp: 117151

Ion Ratio Lower Upper

95 100

174 64.0 0.0 130.4

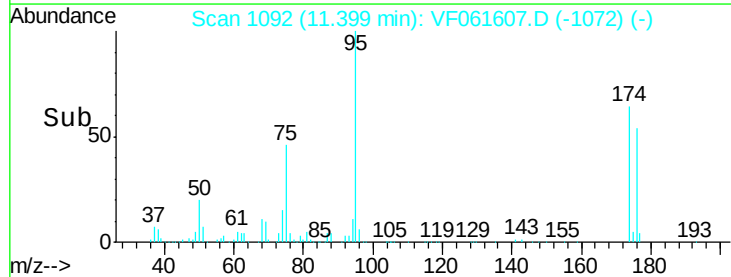
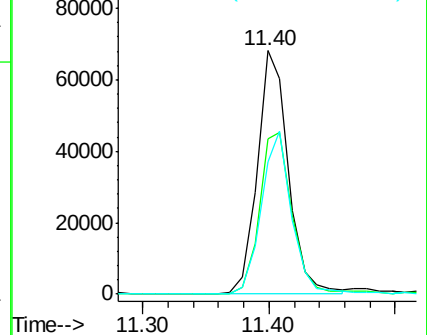
176 54.1 0.0 126.2

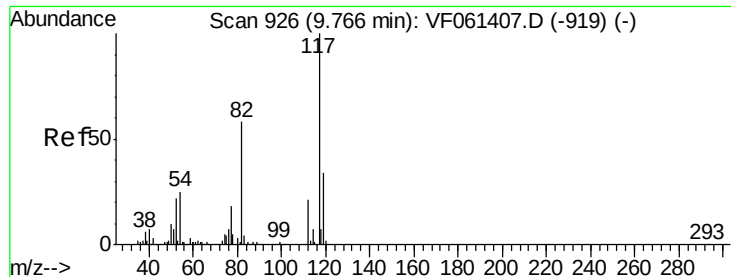


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

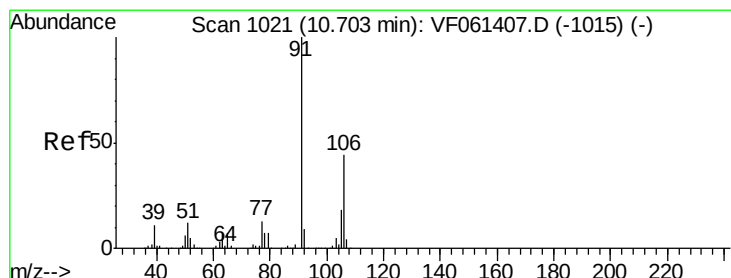
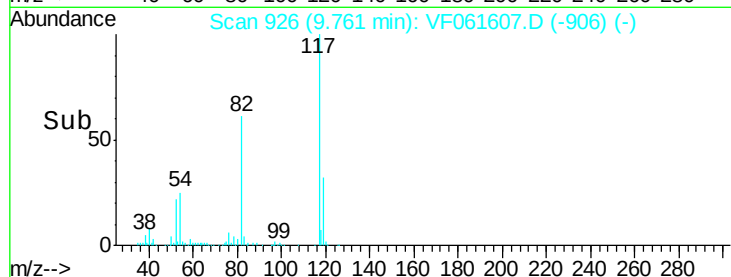
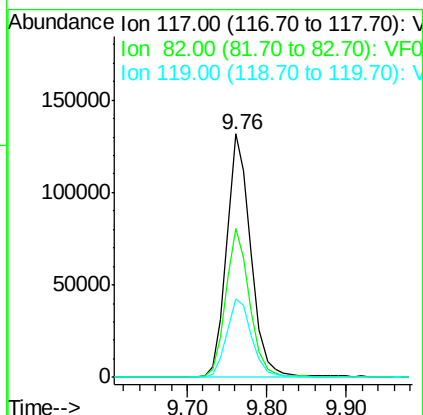
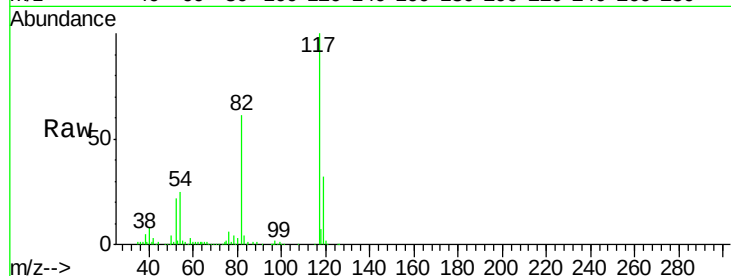




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061607.D
Acq: 12 Feb 2019 14:24

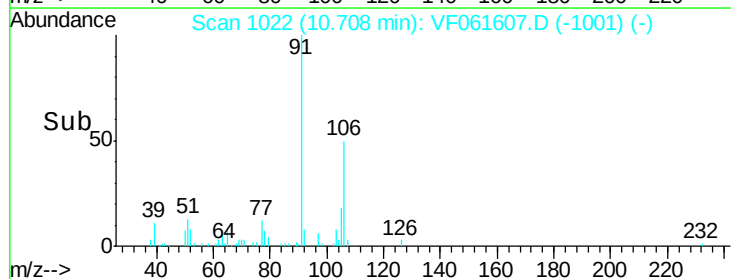
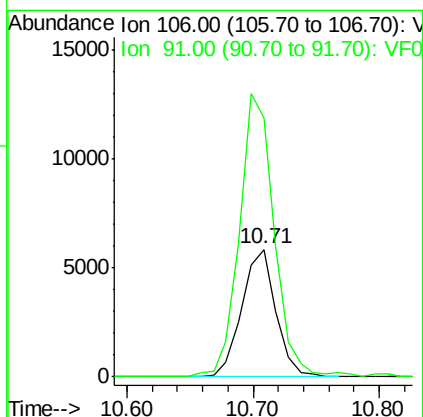
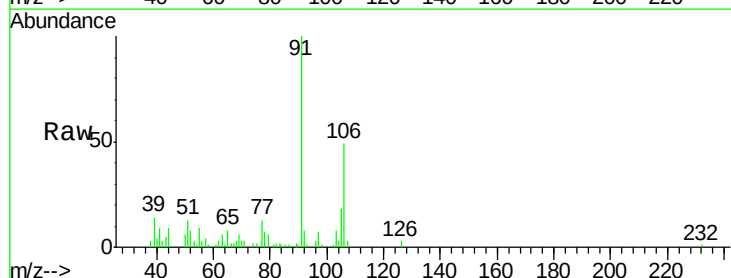
Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-A

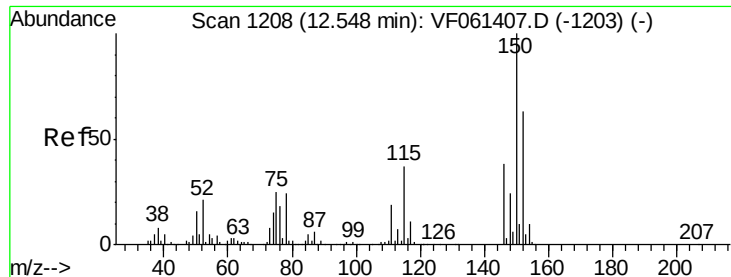
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.4	69.6
119	32.1	27.2	40.8



#69
o-Xylene
Concen: 2.664 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061607.D
Acq: 12 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.7	113.3	339.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-A

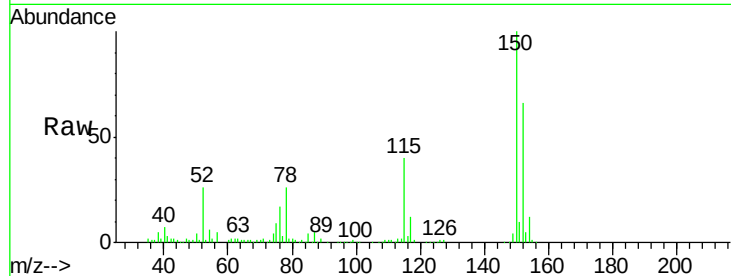
Tot Ion:152 Resp: 113451

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

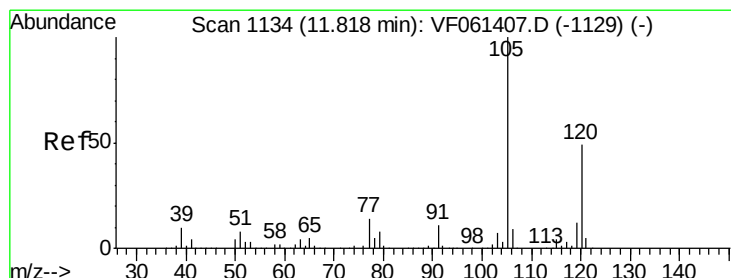
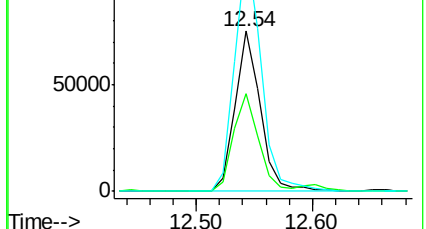
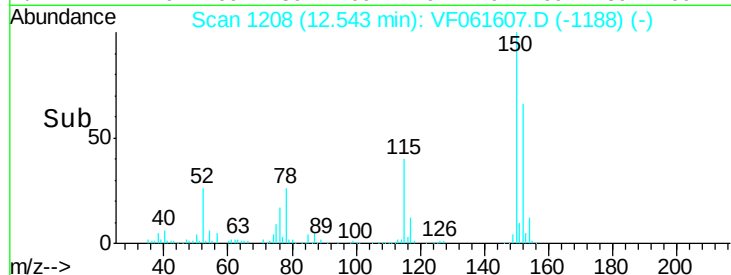
150 152.2 0.0 321.4



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: 6.970 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF061607.D

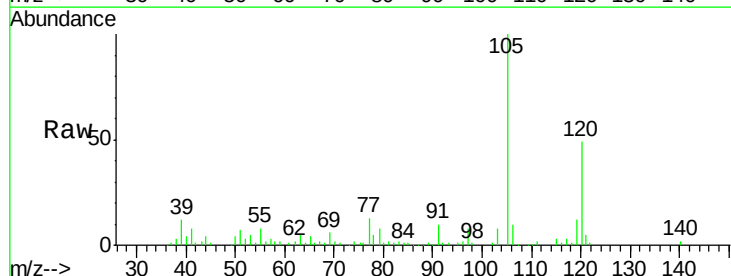
Acq: 12 Feb 2019 14:24

Tgt Ion:105 Resp: 51900

Ion Ratio Lower Upper

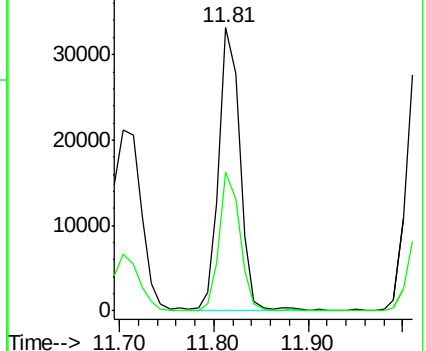
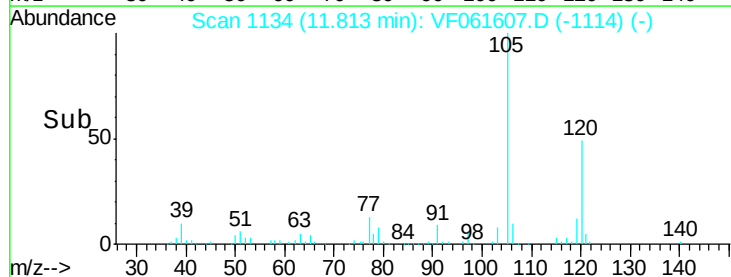
105 100

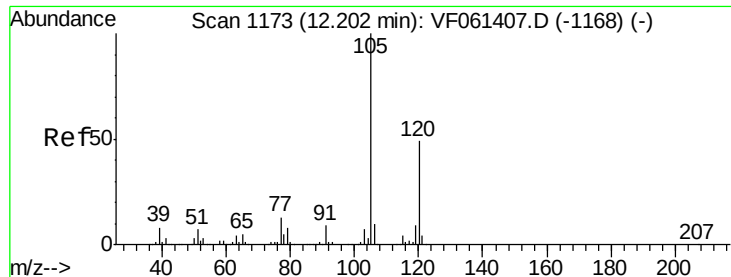
120 49.2 24.7 74.1



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: 4.349 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

Instrument :

MSVOA_F

ClientSampleId :

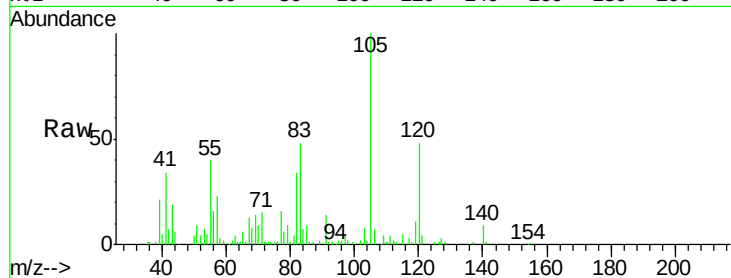
JC-02-021119-A

Tot Ion:105 Resp: 33355

Ion Ratio Lower Upper

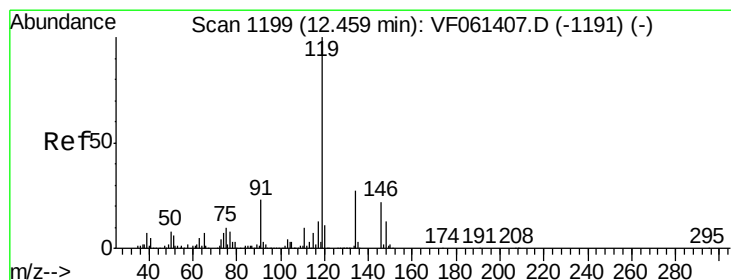
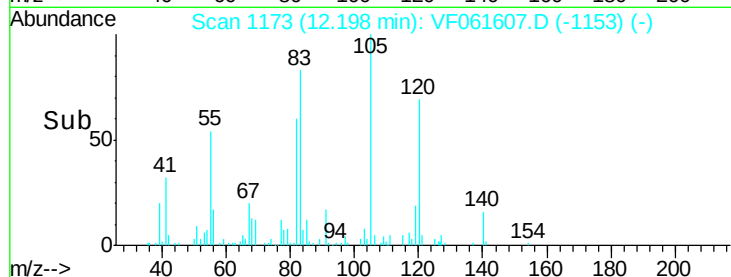
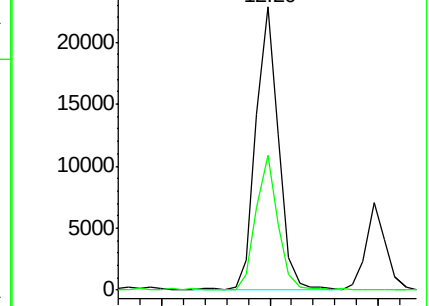
105 100

120 47.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 1.105 ug/l m

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061607.D

Acq: 12 Feb 2019 14:24

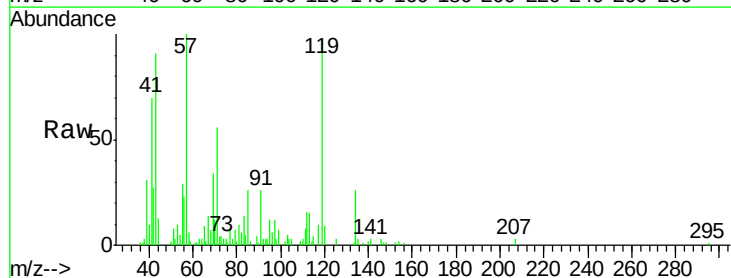
Tgt Ion:119 Resp: 9496

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

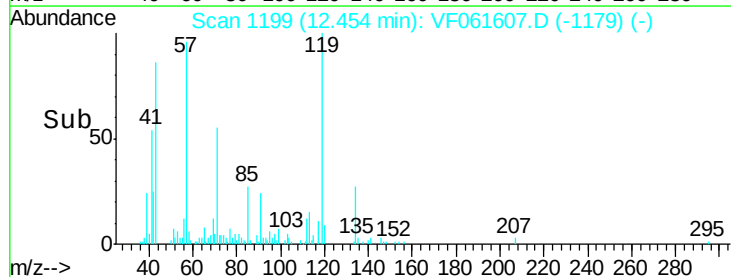
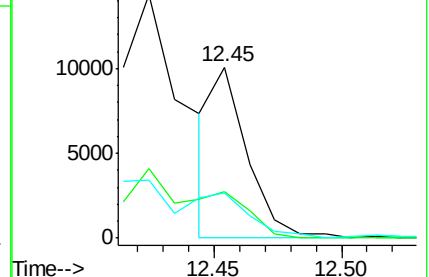
91 26.7 11.4 34.2

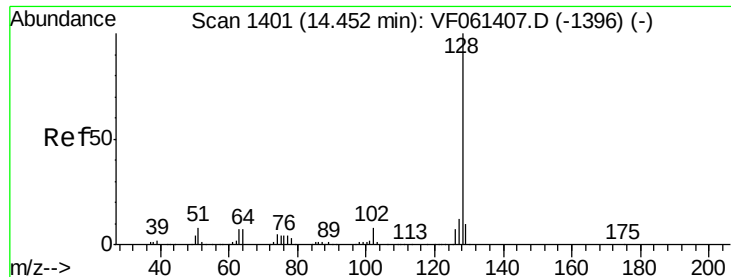


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

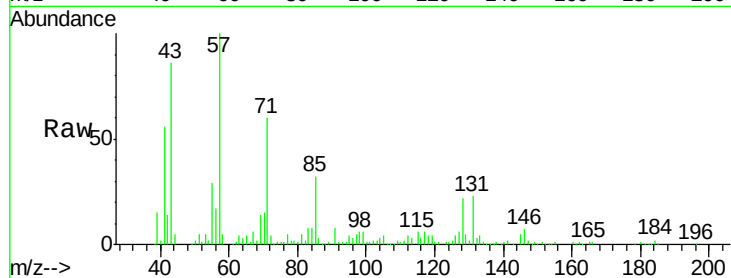




#95
Naphthalene
Concen: 3.927 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061607.D
Acq: 12 Feb 2019 14:24

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	26.8	9.5	14.3#
129	22.5	8.4	12.6#



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

