

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061616.D
 Acq On : 12 Feb 2019 18:39
 Operator : VA/AP
 Sample : K1343-19
 Misc : 6.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 13 03:22:58 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

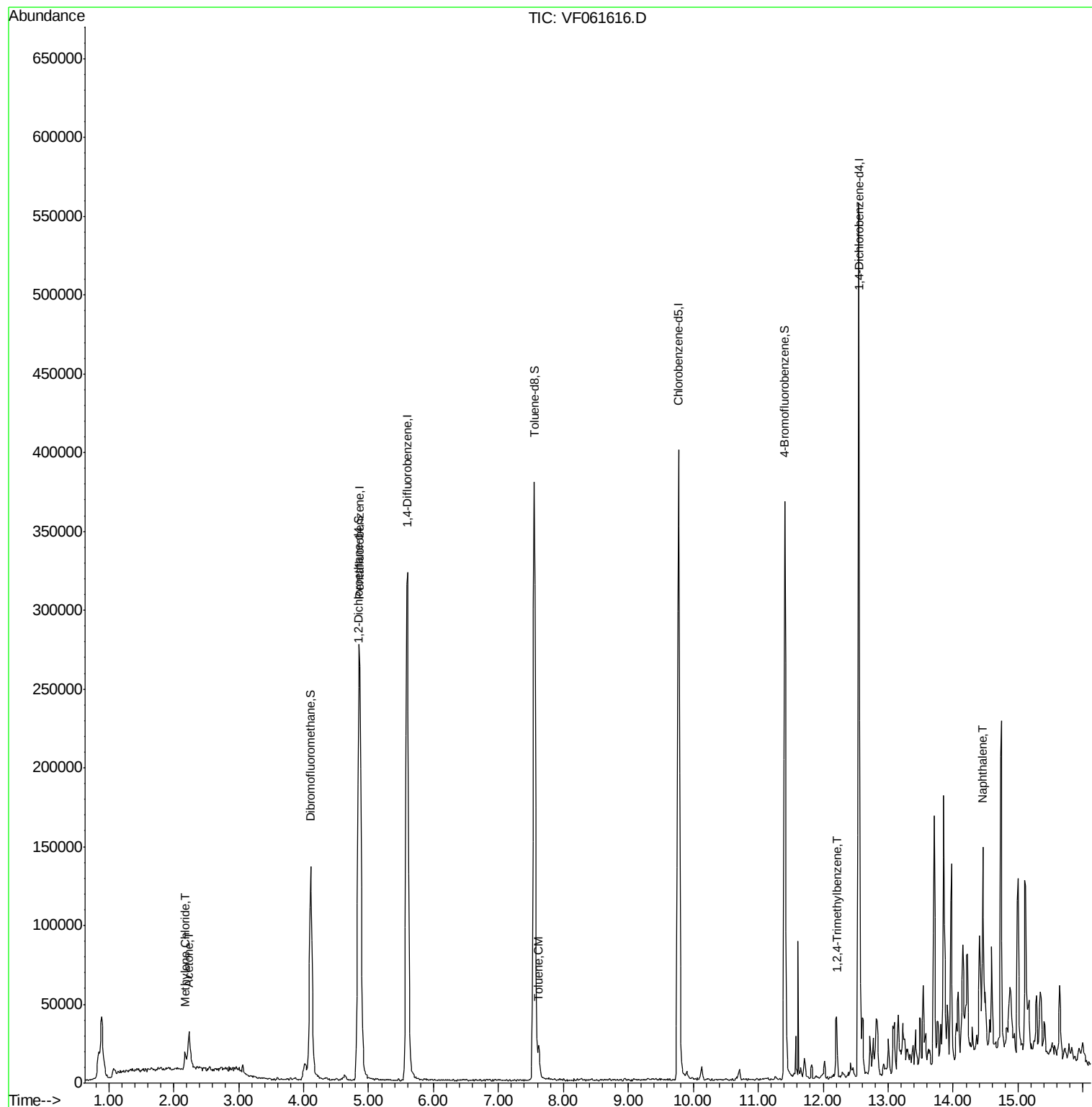
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	197933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	362182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	294675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	145248	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	111547	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	
35) Dibromofluoromethane	4.11	113	128115	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
50) Toluene-d8	7.55	98	311843	39.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.66%	
62) 4-Bromofluorobenzene	11.41	95	138387	37.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.66%	
Target Compounds						
16) Acetone	2.23	43	24291	49.549	ug/l	94
20) Methylene Chloride	2.18	84	11424m	5.294	ug/l	
52) Toluene	7.63	92	9026	1.467	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	19717	2.008	ug/l	88
95) Naphthalene	14.46	128	18889	3.041	ug/l #	77

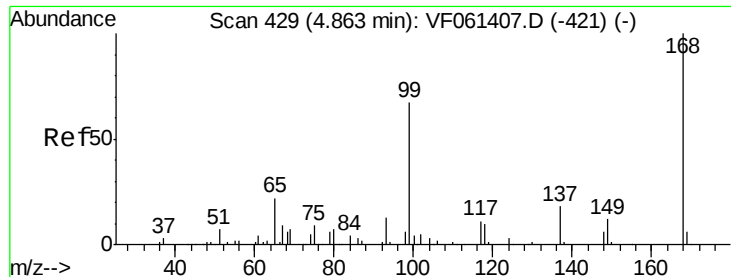
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061616.D
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ClientSampleId :
JC-02-021119-J

Quant Time: Feb 13 03:22:58 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: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

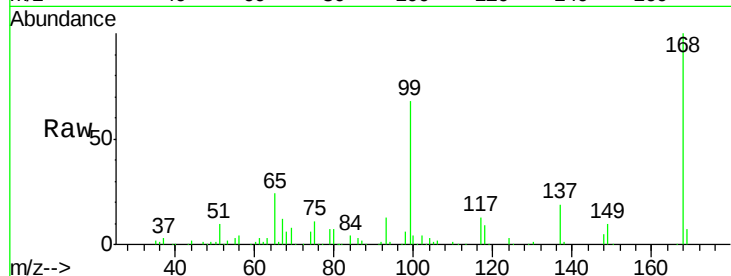
JC-02-021119-J

Tot Ion:168 Resp: 197933

Ion Ratio Lower Upper

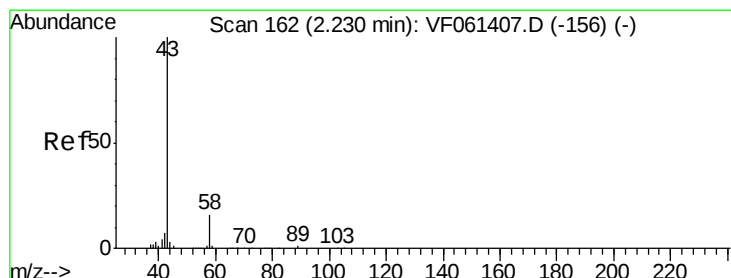
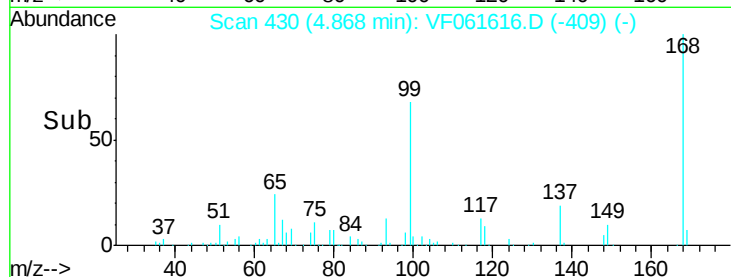
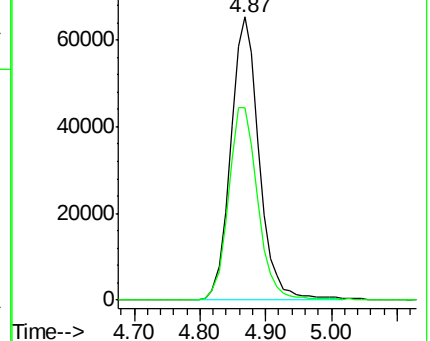
168 100

99 68.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 49.549 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061616.D

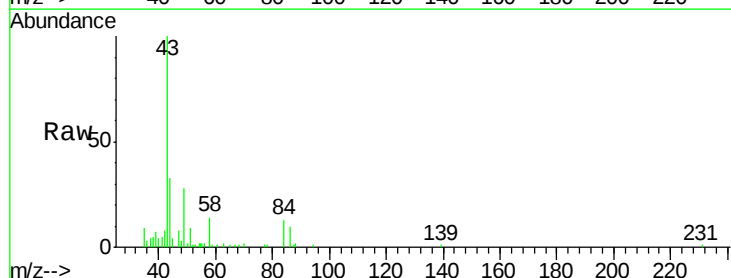
Acq: 12 Feb 2019 18:39

Tgt Ion: 43 Resp: 24291

Ion Ratio Lower Upper

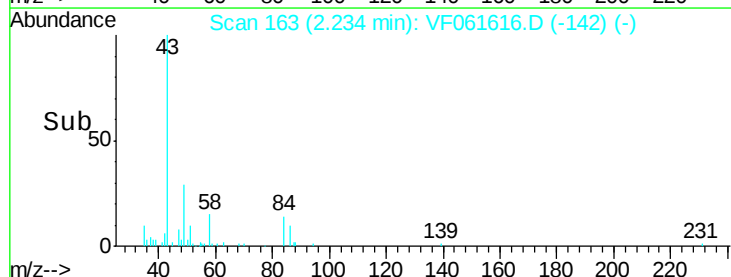
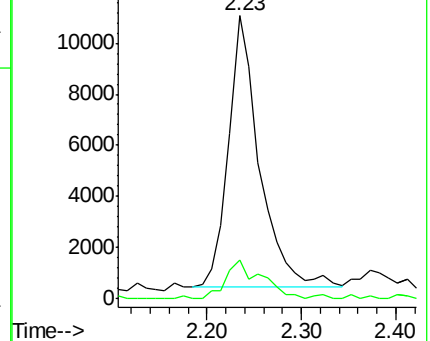
43 100

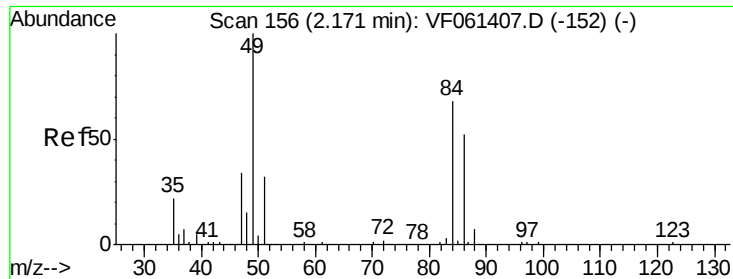
58 13.8 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

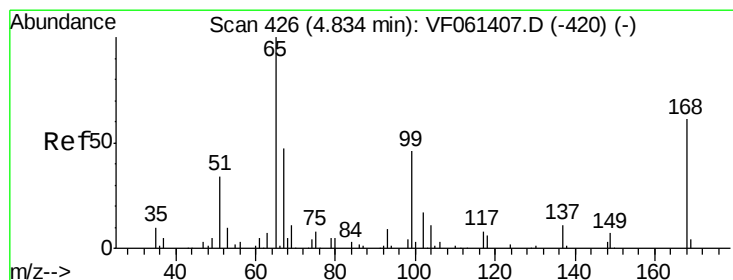
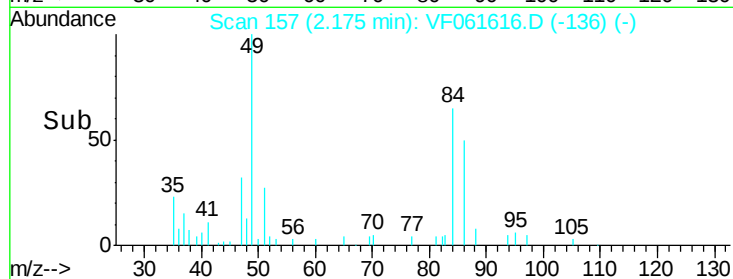
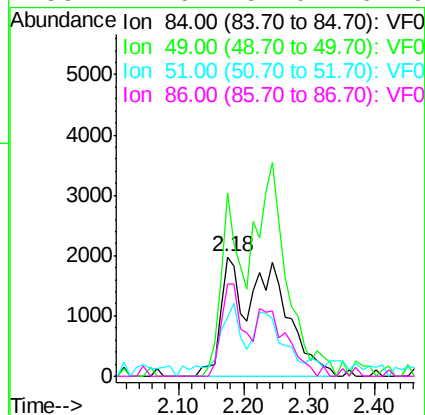
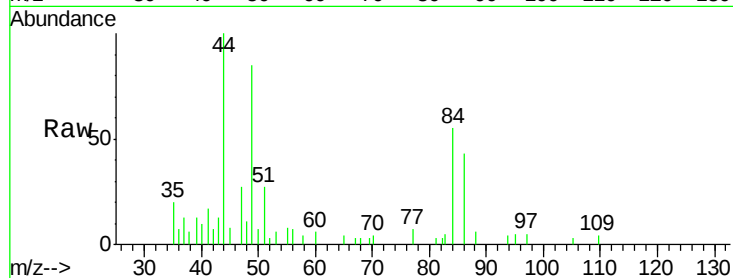




#20
Methvlene Chloride
Concen: 5.294 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061616.D
Acq: 12 Feb 2019 18:39

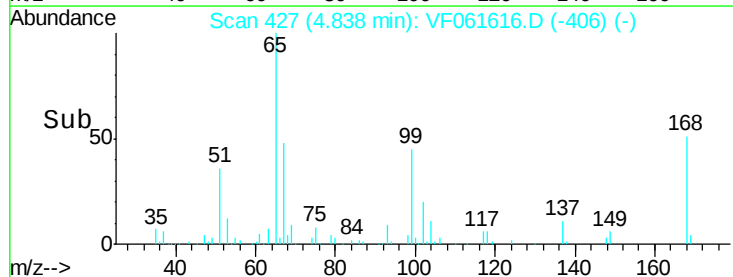
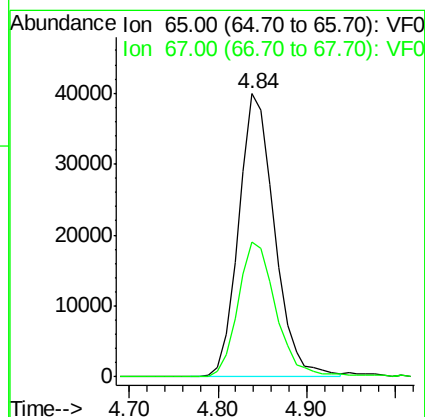
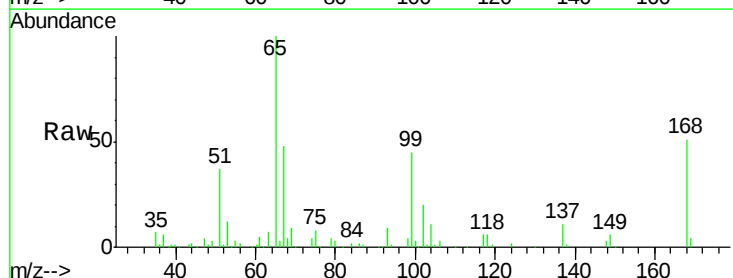
Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-J

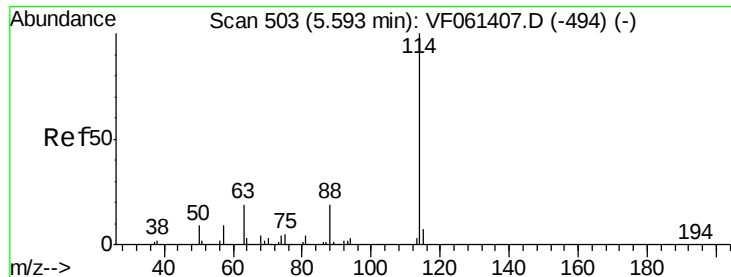
Tot Ion: 84 Resp: 11424
Ion Ratio Lower Upper
84 100
49 154.1 120.0 180.0
51 49.3 38.6 58.0
86 77.6 61.0 91.6



#33
1,2-Dichloroethane-d4
Concen: 45.646 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.00 min
Lab File: VF061616.D
Acq: 12 Feb 2019 18:39

Tgt Ion: 65 Resp: 111547
Ion Ratio Lower Upper
65 100
67 47.5 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-J

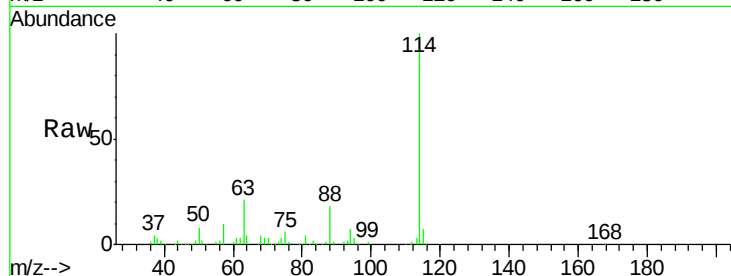
Tot Ion:114 Resp: 362182

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

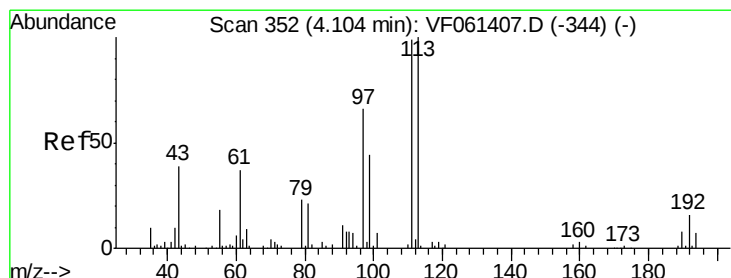
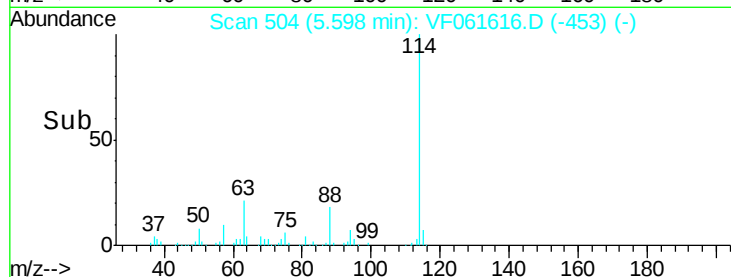
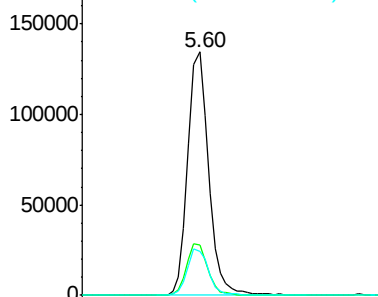
88 17.9 0.0 37.4



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: 44.828 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

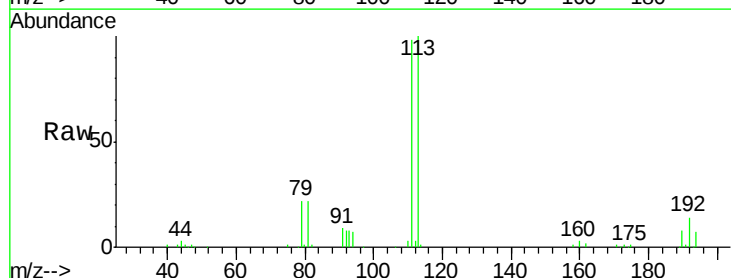
Tgt Ion:113 Resp: 128115

Ion Ratio Lower Upper

113 100

111 98.3 79.4 119.0

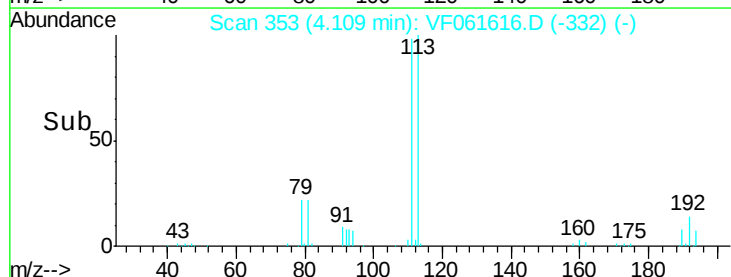
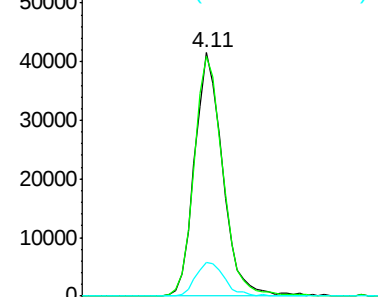
192 13.9 12.4 18.6

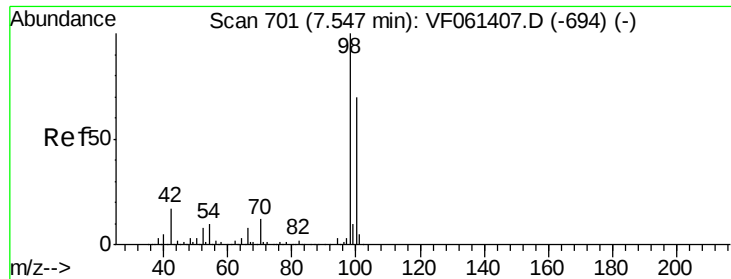


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 39.826 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

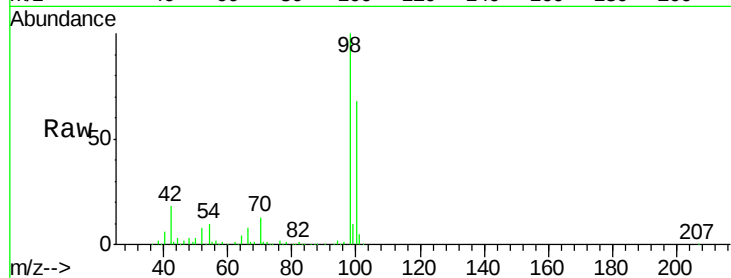
JC-02-021119-J

Tot Ion: 98 Resp: 311843

Ion Ratio Lower Upper

98 100

100 68.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

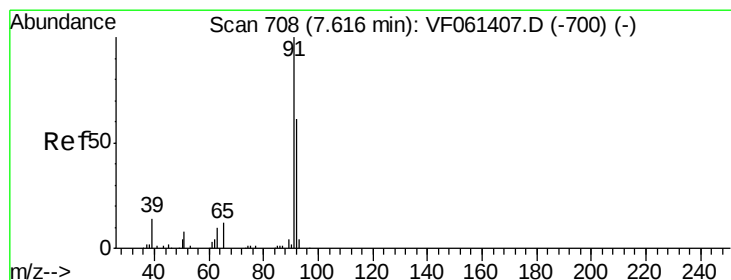
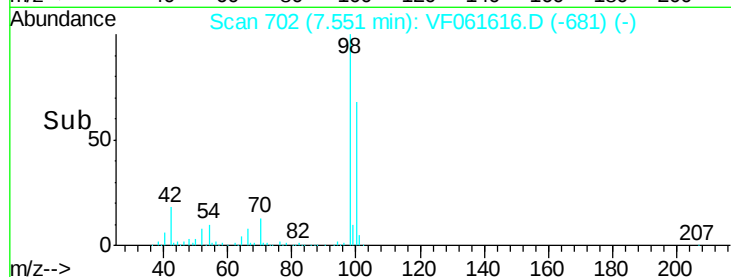
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#52

Toluene

Concen: 1.467 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061616.D

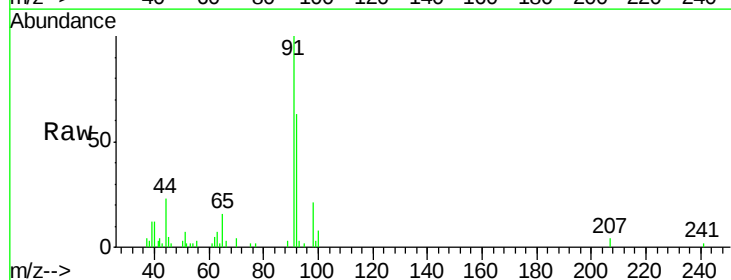
Acq: 12 Feb 2019 18:39

Tgt Ion: 92 Resp: 9026

Ion Ratio Lower Upper

92 100

91 159.5 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

8000

6000

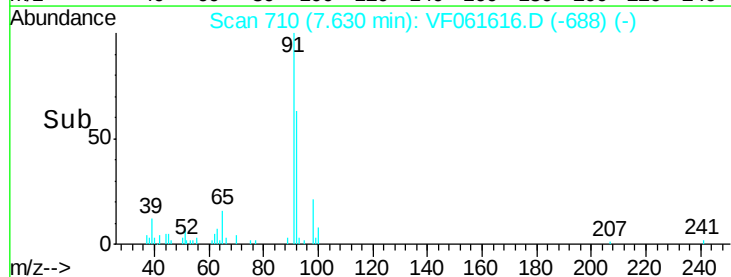
4000

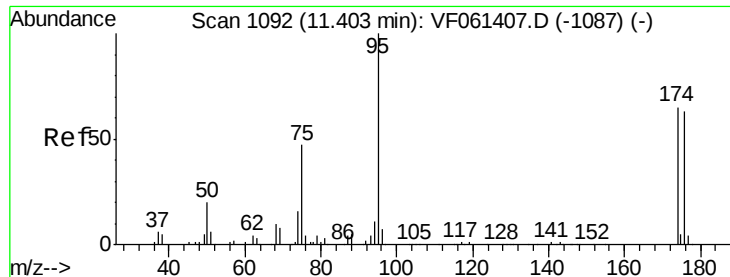
2000

0

7.50 7.55 7.60 7.65 7.70

Time-->





#62

4-Bromofluorobenzene

Concen: 37.826 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-J

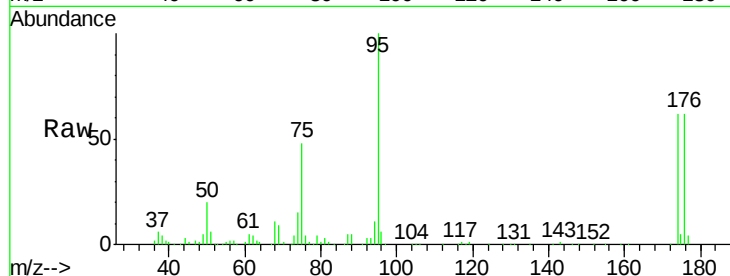
Tot Ion: 95 Resp: 138387

Ion Ratio Lower Upper

95 100

174 62.3 0.0 130.4

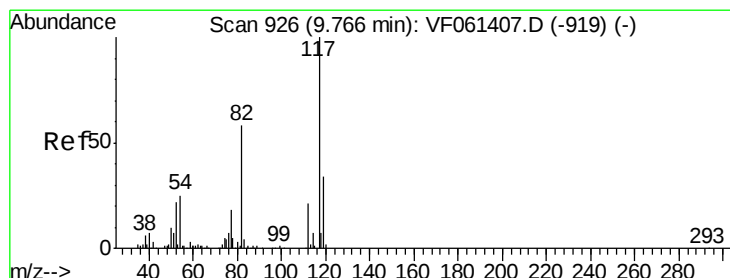
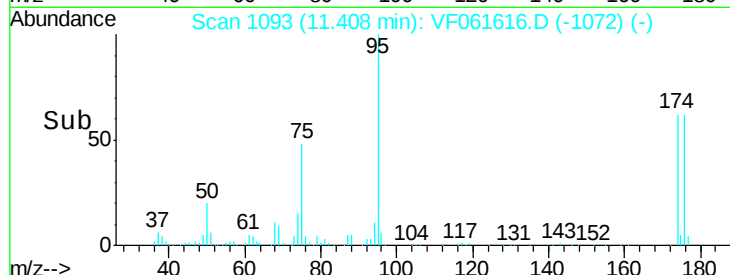
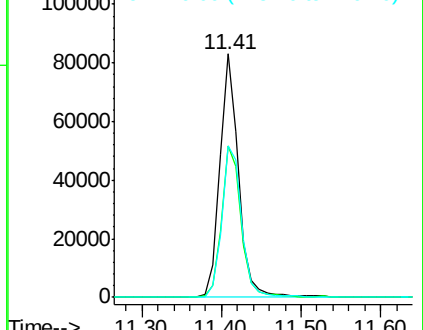
176 62.1 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061616.D (-1072) (-)

Ion 174.00 (173.70 to 174.70): VF061616.D (-1072) (-)

Ion 176.00 (175.70 to 176.70): VF061616.D (-1072) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

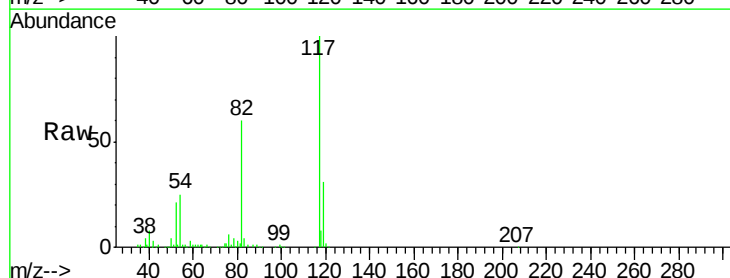
Tgt Ion: 117 Resp: 294675

Ion Ratio Lower Upper

117 100

82 60.5 46.4 69.6

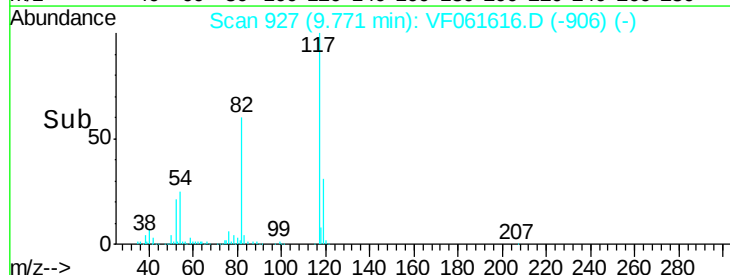
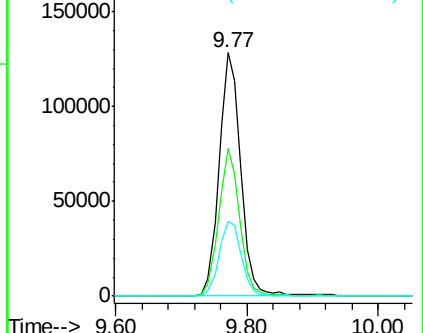
119 30.7 27.2 40.8

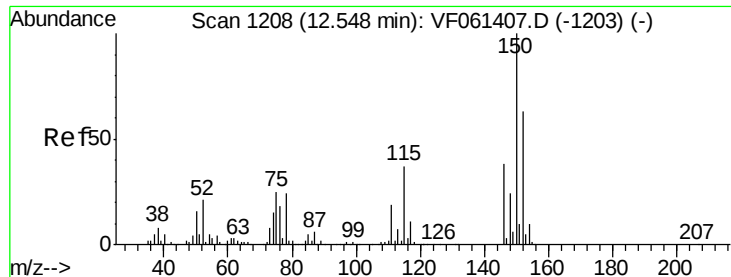


Abundance Ion 117.00 (116.70 to 117.70): VF061616.D (-906) (-)

Ion 82.00 (81.70 to 82.70): VF061616.D (-906) (-)

Ion 119.00 (118.70 to 119.70): VF061616.D (-906) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061616.D

Acq: 12 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-J

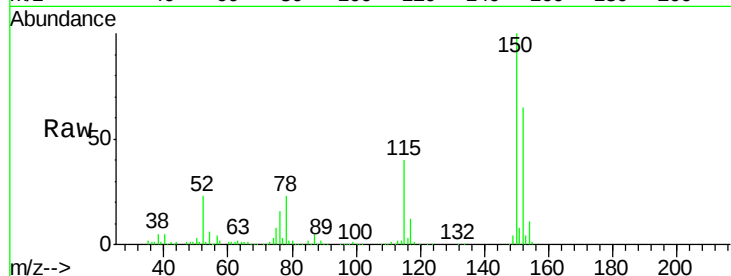
Tot Ion:152 Resp: 145248

Ion Ratio Lower Upper

152 100

115 61.5 30.0 90.0

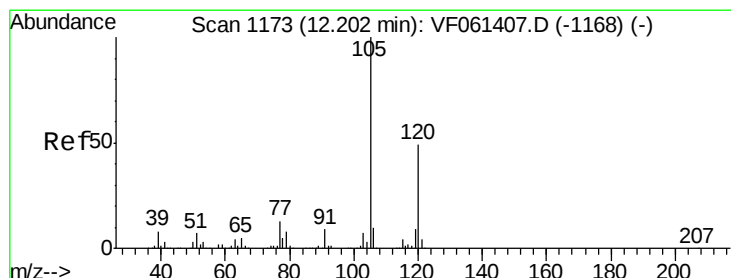
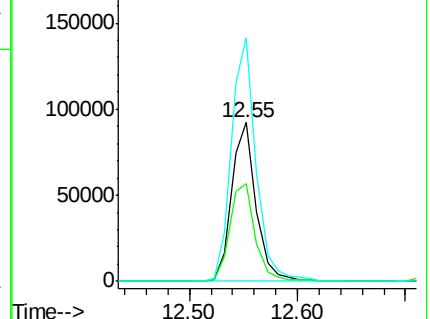
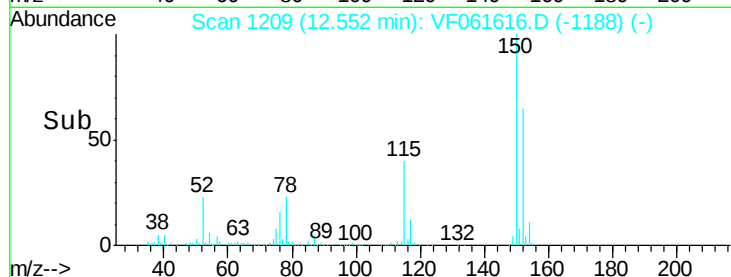
150 153.2 0.0 321.4



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



#84

1,2,4-Trimethylbenzene

Concen: 2.008 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VF061616.D

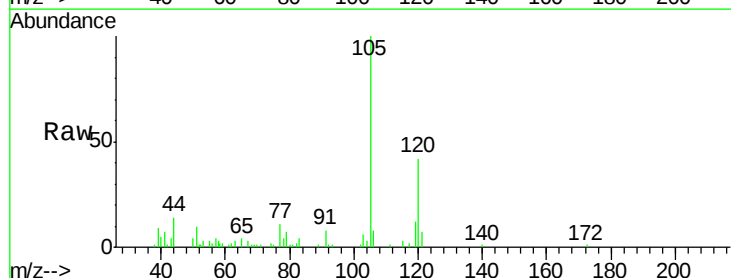
Acq: 12 Feb 2019 18:39

Tgt Ion:105 Resp: 19717

Ion Ratio Lower Upper

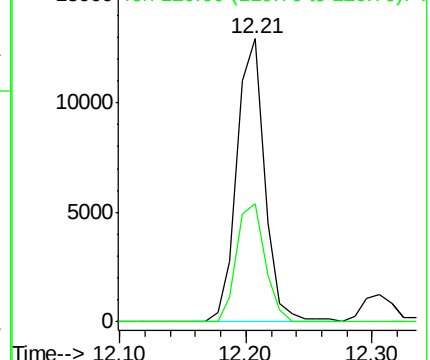
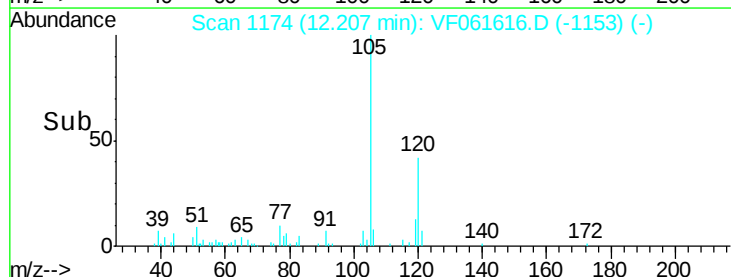
105 100

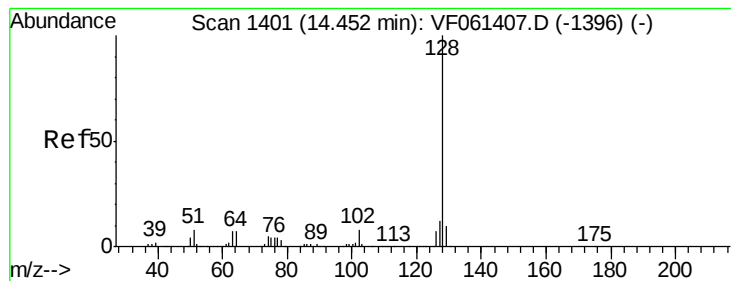
120 41.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Napthalene

Concen: 3.041 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061616.D

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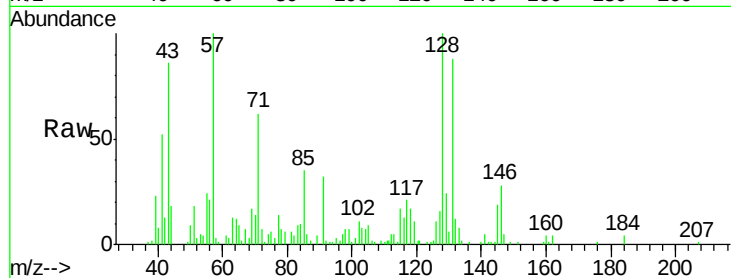
Tot Ion:128 Resp: 18889

Ion Ratio Lower Upper

128 100

127 16.2 9.5 14.3#

129 23.9 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

