

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061621.D
 Acq On : 12 Feb 2019 21:01
 Operator : VA/AP
 Sample : K1343-29
 Misc : 6.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 13 03:35:12 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

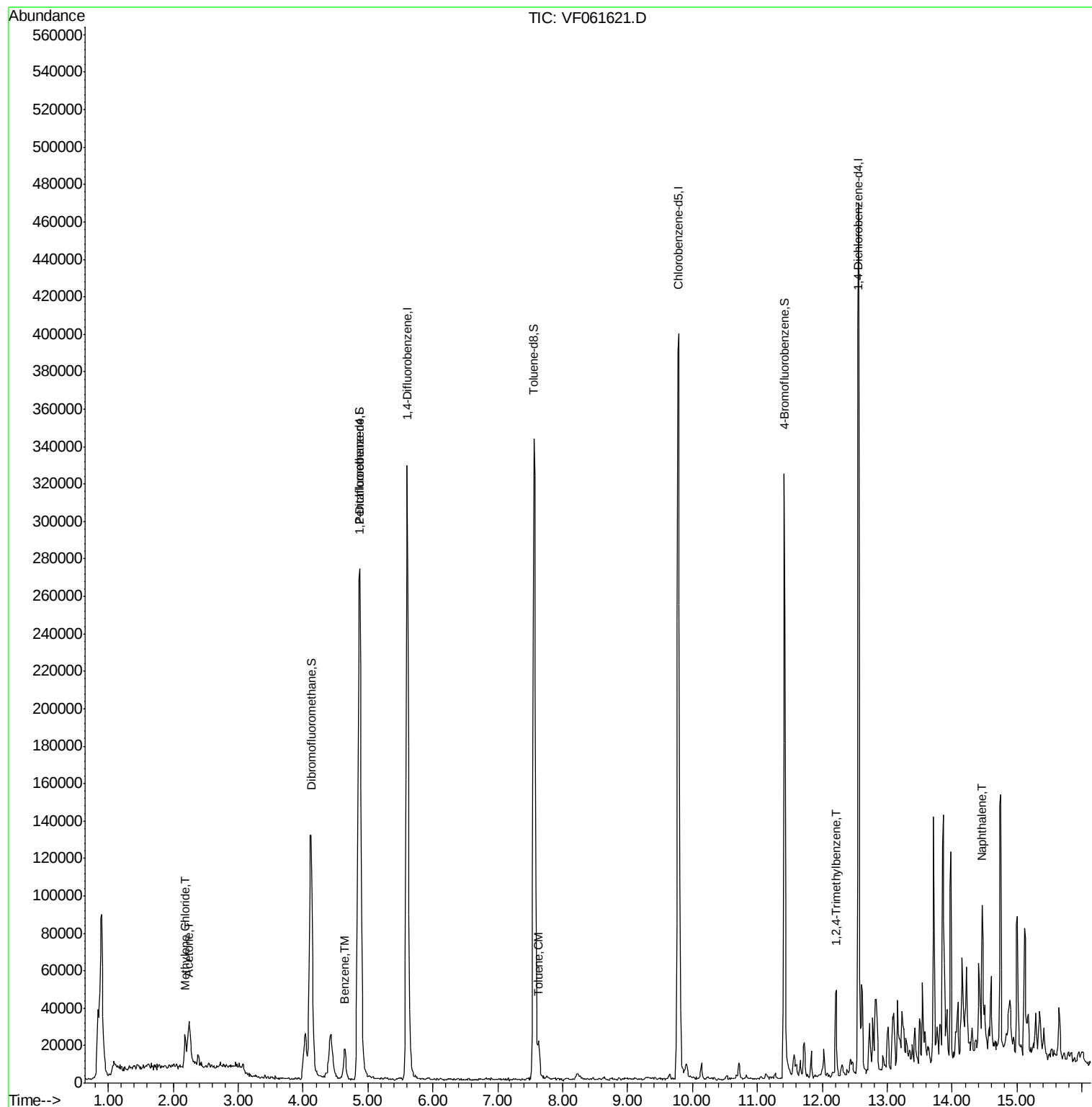
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	197458	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	355480	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	302156	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	119148	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	116415	47.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	4.12	113	127600	45.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.98%	
50) Toluene-d8	7.56	98	294602	38.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.66%	
62) 4-Bromofluorobenzene	11.41	95	125858	35.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	70.10%	
Target Compounds						
16) Acetone	2.24	43	16197	33.118	ug/l	98
20) Methylene Chloride	2.18	84	17500m	9.104	ug/l	
40) Benzene	4.64	78	18674	2.036	ug/l	97
52) Toluene	7.63	92	8749	1.449	ug/l	89
84) 1,2,4-Trimethylbenzene	12.21	105	23128	2.871	ug/l	95
95) Naphthalene	14.46	128	15481	3.038	ug/l #	85

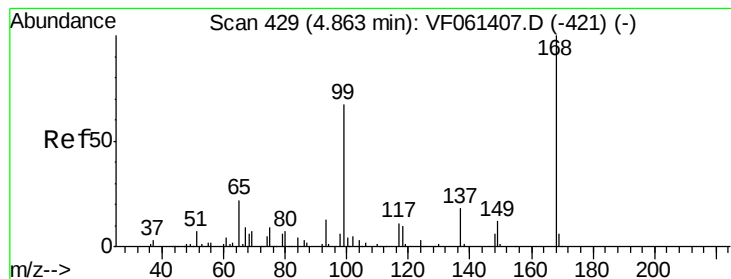
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
Data File : VF061621.D
Acq On : 12 Feb 2019 21:01
Operator : VA/AP
Sample : K1343-29
Misc : 6.61q/5mL/MSVOA-F/SOIL
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Instrument :
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Quant Time: Feb 13 03:35:12 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. 0.01 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

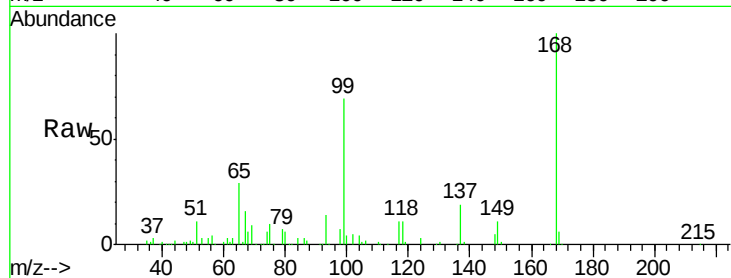
JC-02-021119-O

Tot Ion:168 Resp: 197458

Ion Ratio Lower Upper

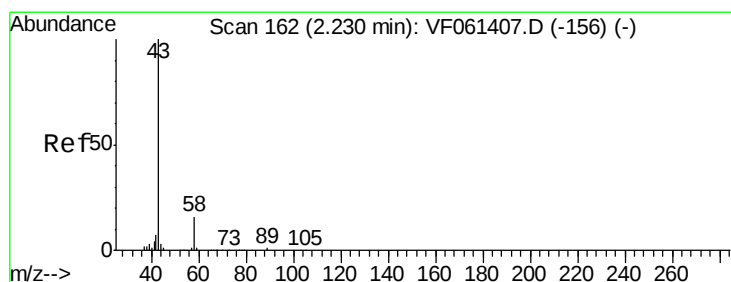
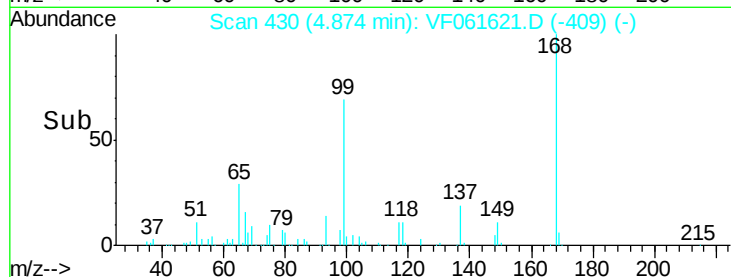
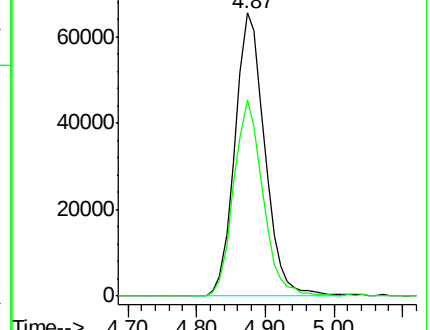
168 100

99 69.5 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: 33.118 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061621.D

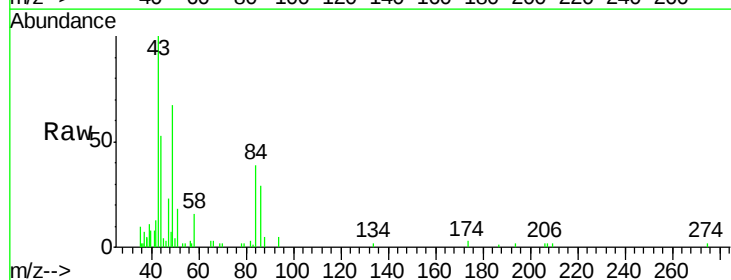
Acq: 12 Feb 2019 21:01

Tgt Ion: 43 Resp: 16197

Ion Ratio Lower Upper

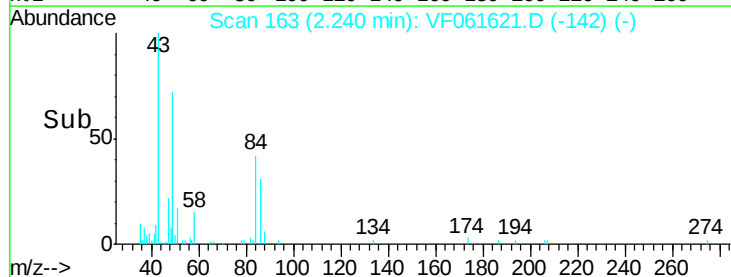
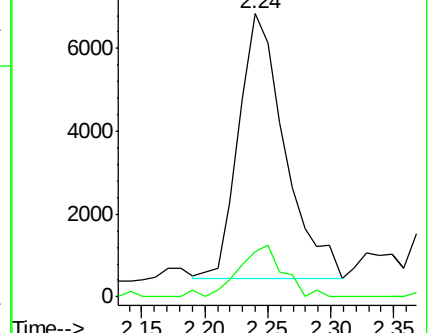
43 100

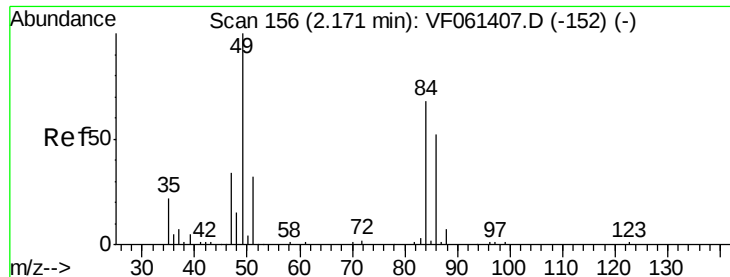
58 15.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

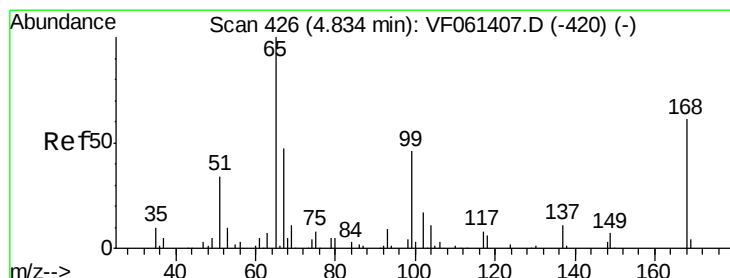
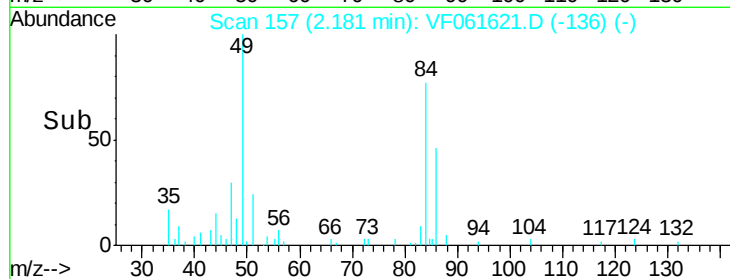
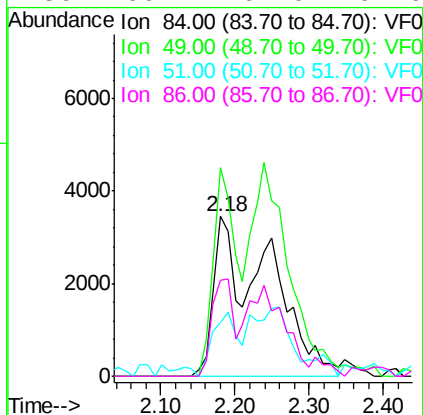
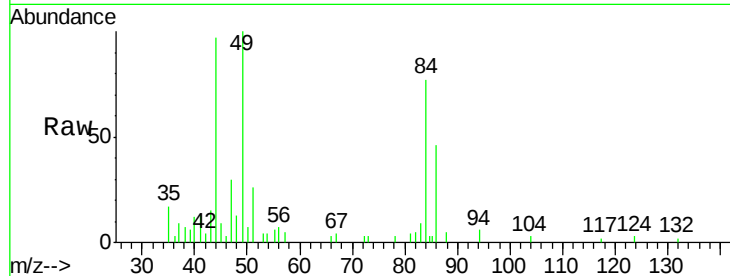




#20
Methylene Chloride
Concen: 9.104 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061621.D
Acq: 12 Feb 2019 21:01

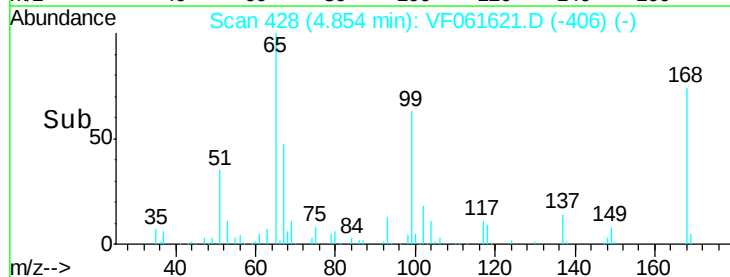
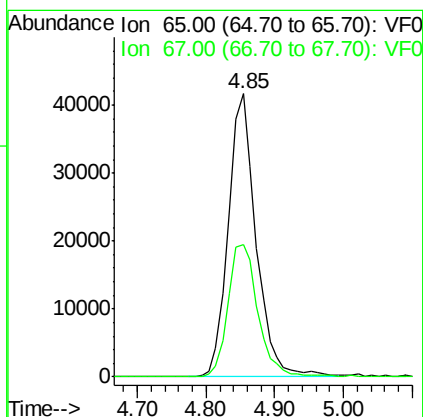
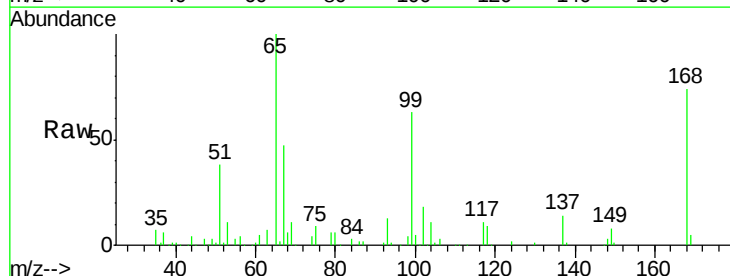
Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-O

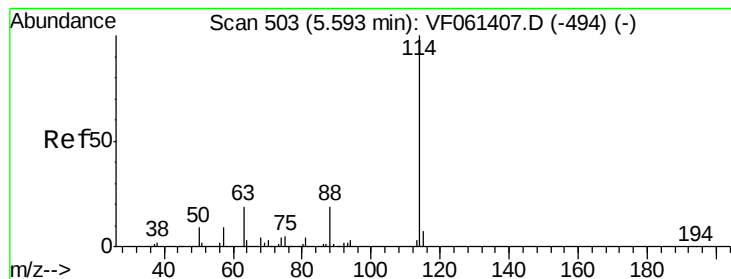
Tot Ion: 84 Resp: 17500
Ion Ratio Lower Upper
84 100
49 130.7 120.0 180.0
51 34.0 38.6 58.0#
86 60.4 61.0 91.6#



#33
1,2-Dichloroethane-d4
Concen: 47.753 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.02 min
Lab File: VF061621.D
Acq: 12 Feb 2019 21:01

Tgt Ion: 65 Resp: 116415
Ion Ratio Lower Upper
65 100
67 46.8 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-O

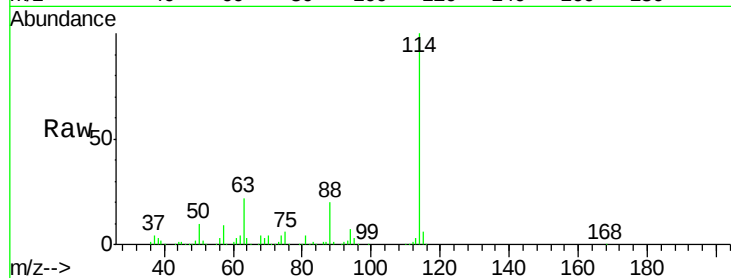
Tot Ion:114 Resp: 355480

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.0

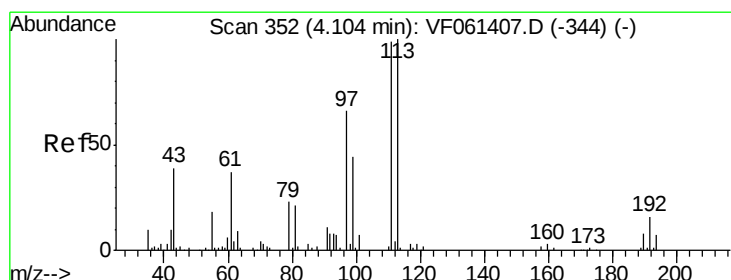
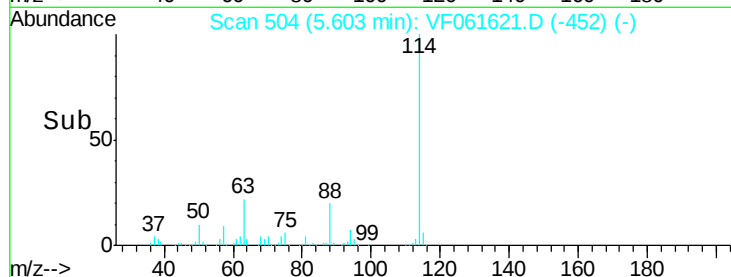
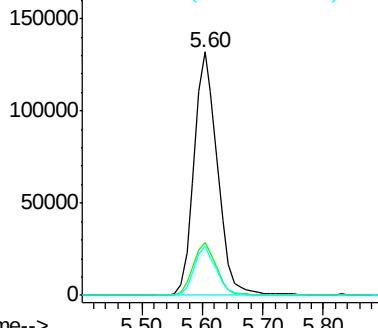
88 20.0 0.0 37.4



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: 45.489 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

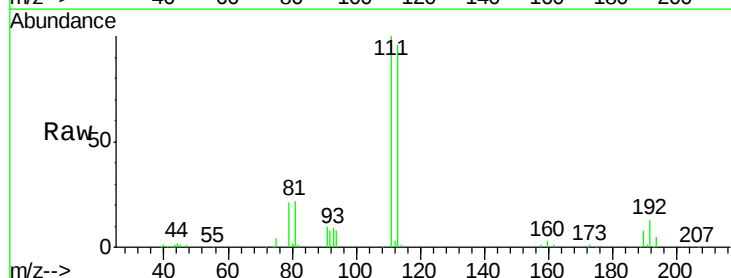
Tgt Ion:113 Resp: 127600

Ion Ratio Lower Upper

113 100

111 103.7 79.4 119.0

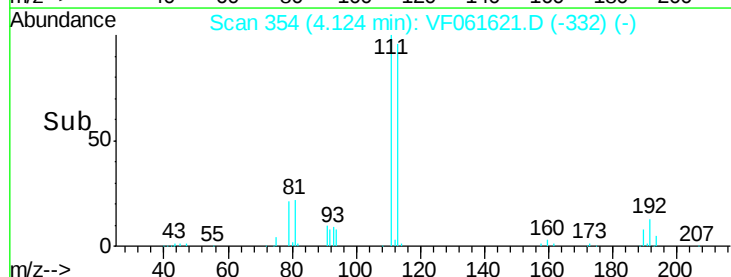
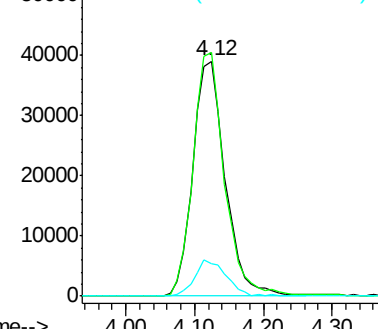
192 14.2 12.4 18.6

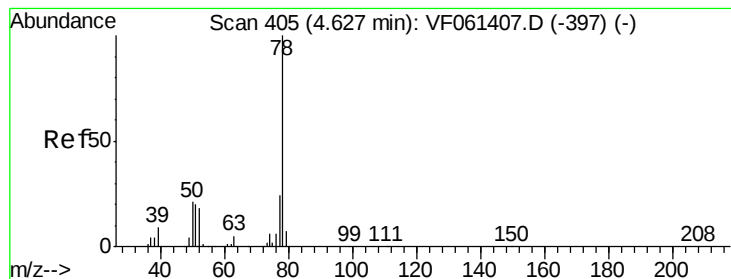


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 2.036 ug/l

RT: 4.64 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

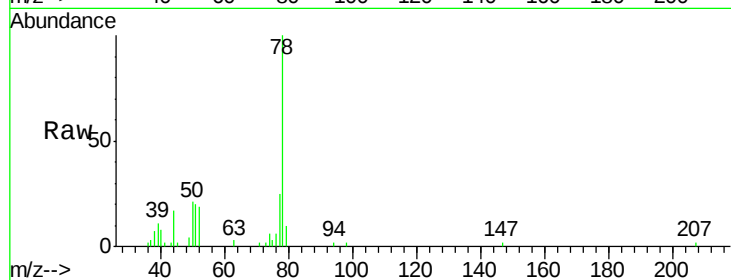
JC-02-021119-O

Tot Ion: 78 Resp: 18674

Ion Ratio Lower Upper

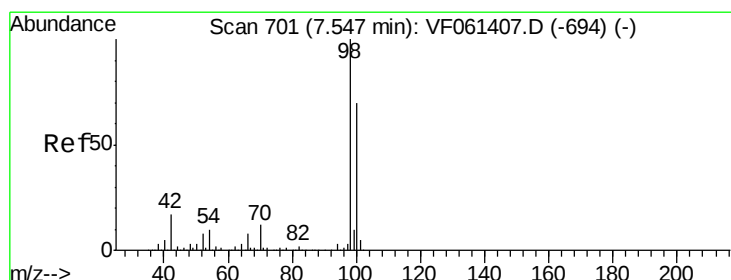
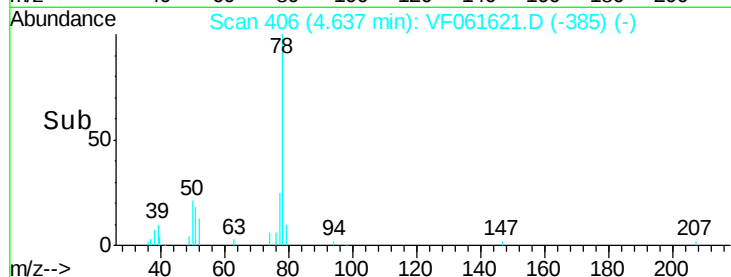
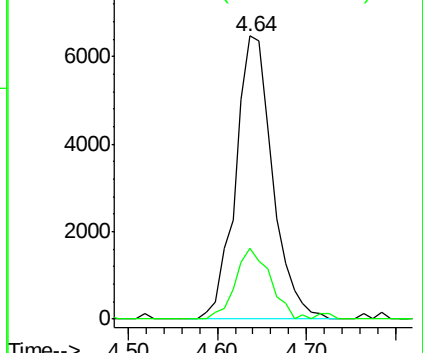
78 100

77 25.1 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: 38.333 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061621.D

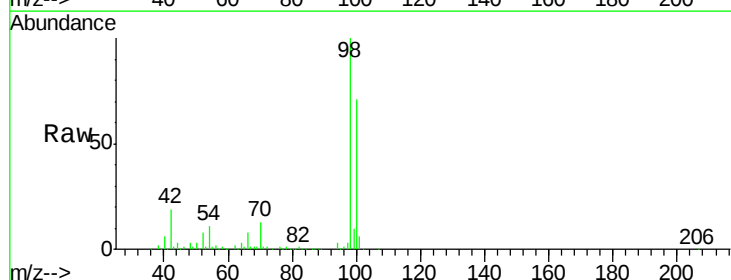
Acq: 12 Feb 2019 21:01

Tgt Ion: 98 Resp: 294602

Ion Ratio Lower Upper

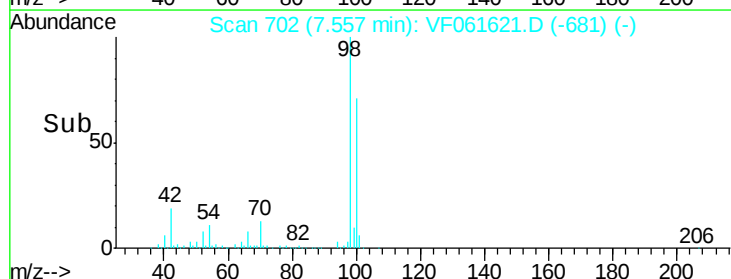
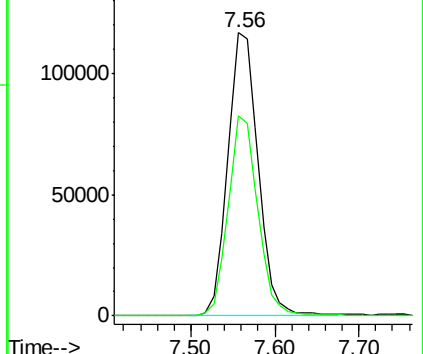
98 100

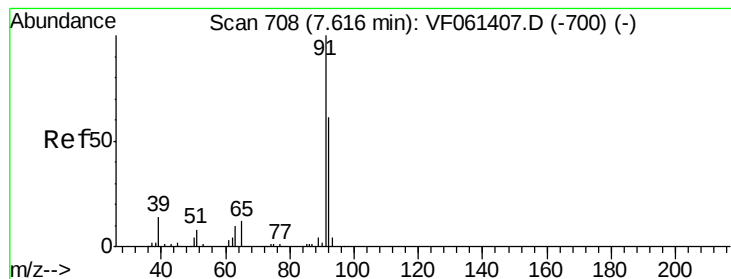
100 70.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.449 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

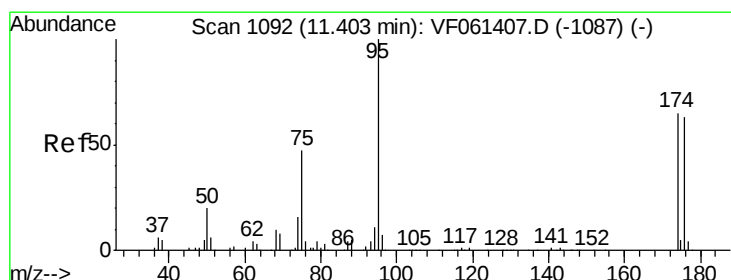
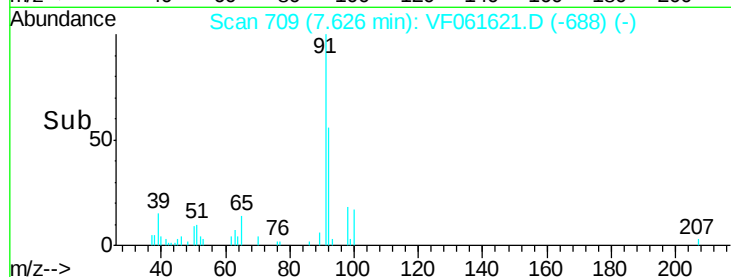
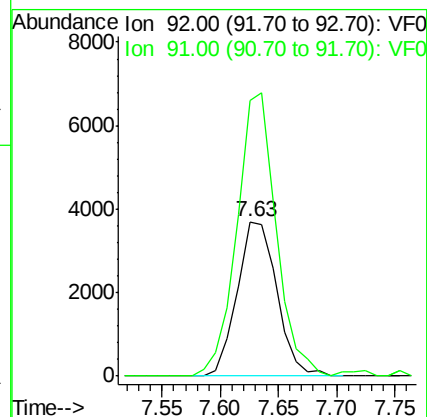
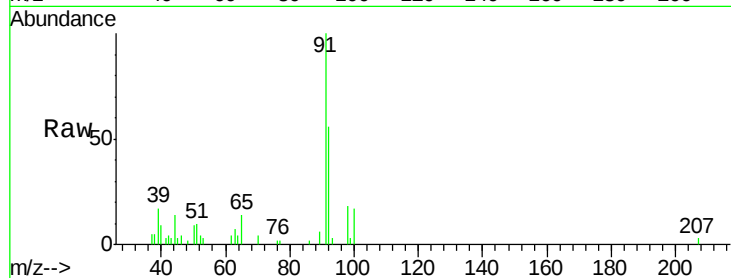
JC-02-021119-O

Tot Ion: 92 Resp: 8749

Ion Ratio Lower Upper

92 100

91 179.0 131.2 196.8



#62

4-Bromofluorobenzene

Concen: 35.050 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061621.D

Acq: 12 Feb 2019 21:01

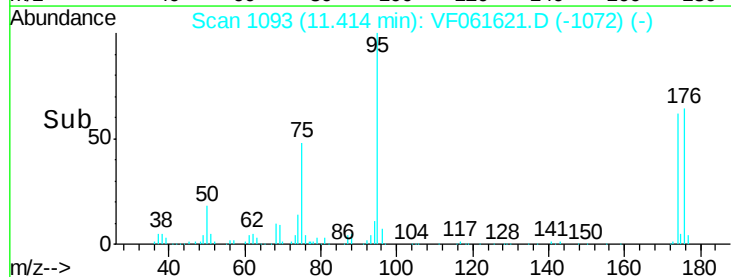
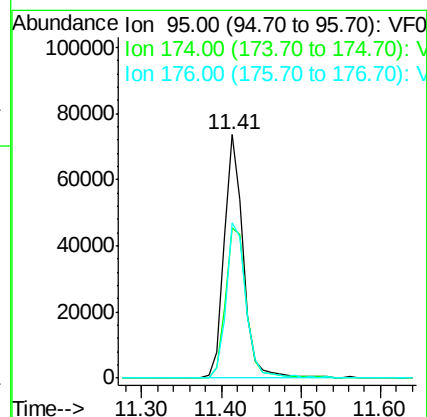
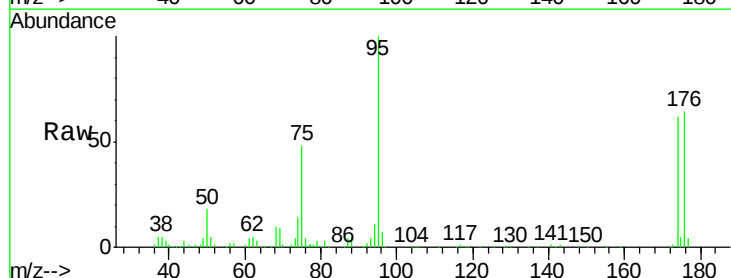
Tgt Ion: 95 Resp: 125858

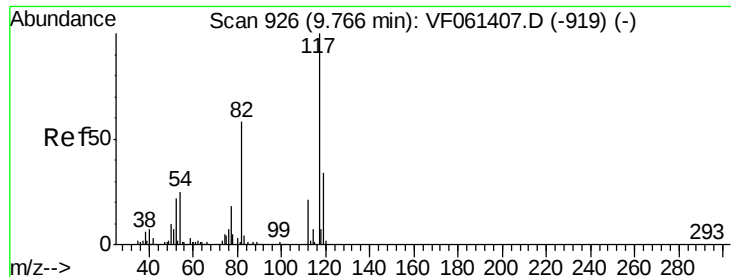
Ion Ratio Lower Upper

95 100

174 61.8 0.0 130.4

176 63.6 0.0 126.2

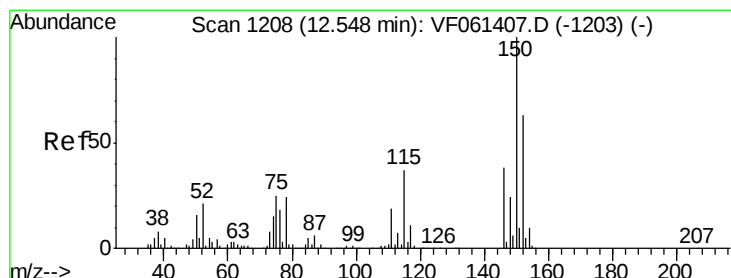
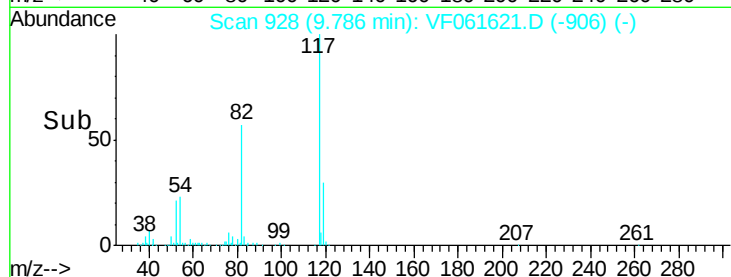
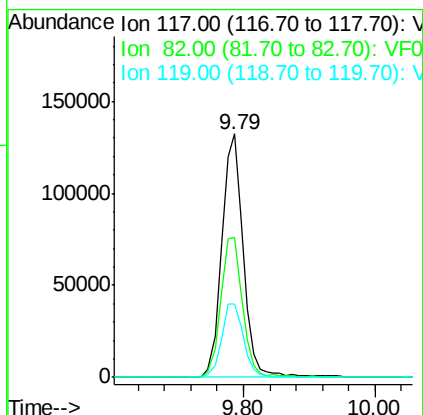
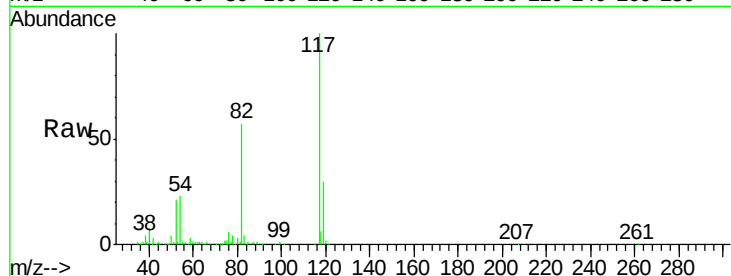




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.02 min
Lab File: VF061621.D
Acq: 12 Feb 2019 21:01

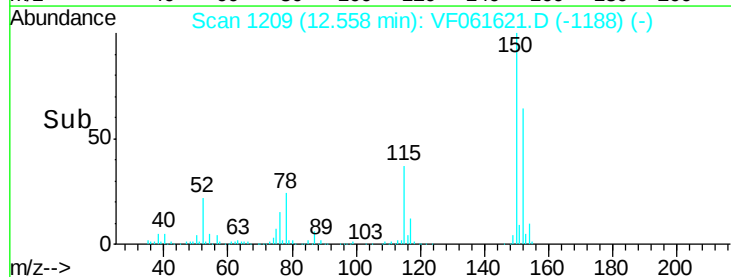
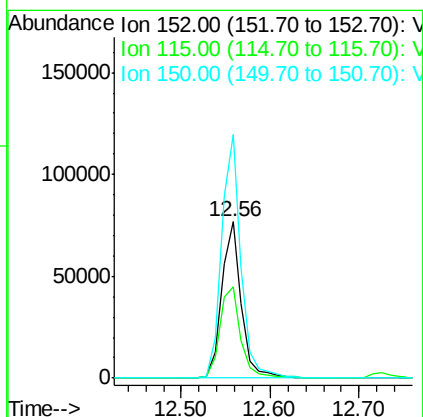
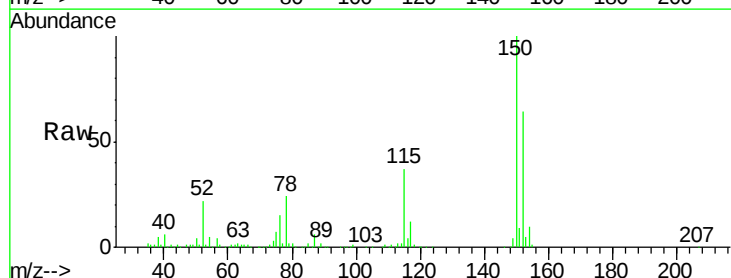
Instrument :
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JC-02-021119-O

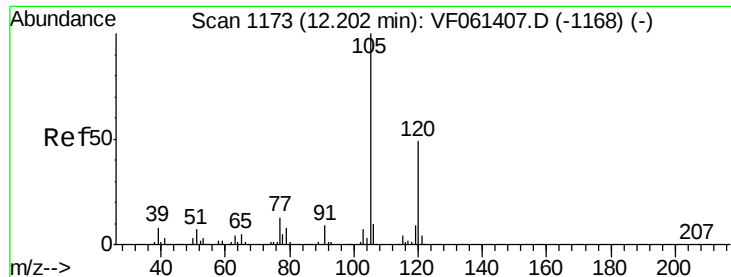
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	30.0	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061621.D
Acq: 12 Feb 2019 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.0	90.0
150	156.1	0.0	321.4

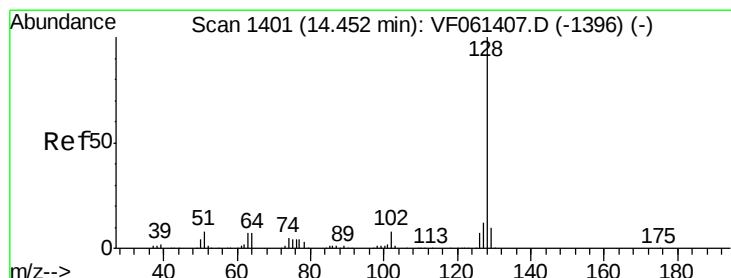
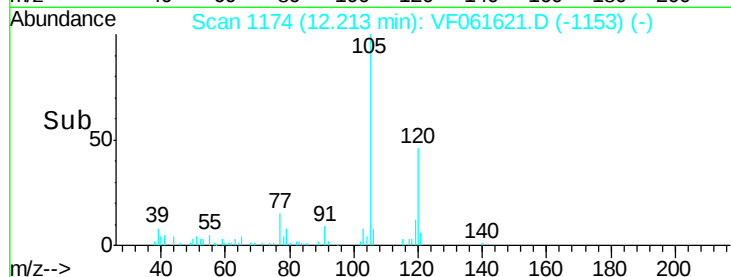
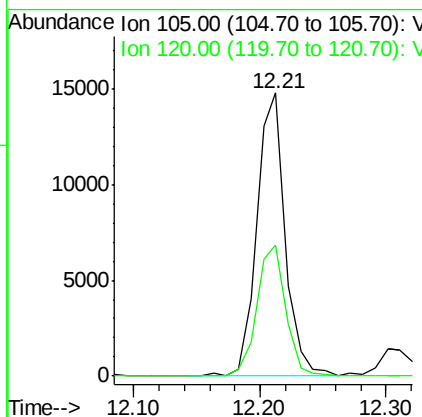
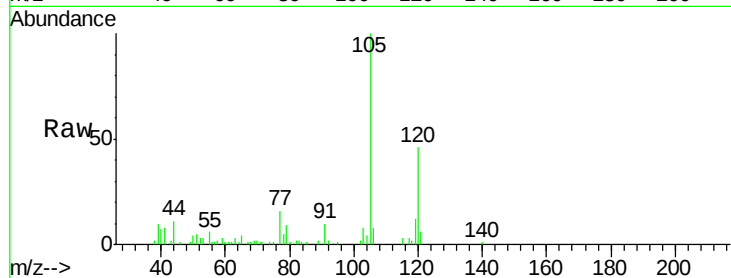




#84
 1,2,4-Trimethylbenzene
 Concen: 2.871 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061621.D
 Acq: 12 Feb 2019 21:01

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

Tot Ion:105 Resp: 23128
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.9 74.6



#95
 Naphthalene
 Concen: 3.038 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: VF061621.D
 Acq: 12 Feb 2019 21:01

Tgt Ion:128 Resp: 15481
 Ion Ratio Lower Upper
 128 100
 127 14.9 9.5 14.3#
 129 19.2 8.4 12.6#

