

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
 Data File : VF061675.D
 Acq On : 18 Feb 2019 13:37
 Operator : VA/AP
 Sample : K1518-03
 Misc : 5.11g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-2

Quant Time: Feb 19 01:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

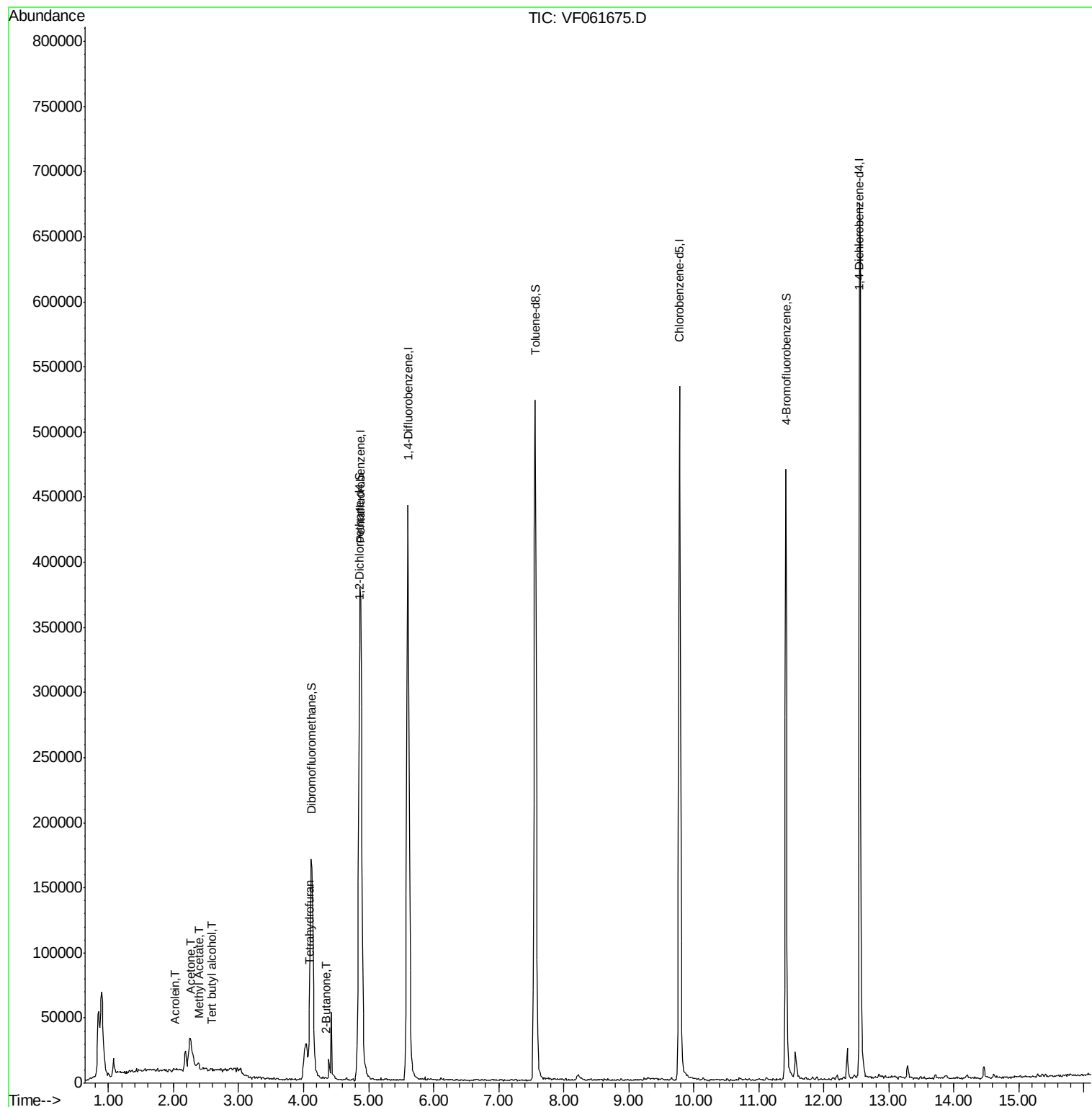
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	375381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	564939	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	442014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	205866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	125708	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.34%	
35) Dibromofluoromethane	4.12	113	172272	41.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.12%	
50) Toluene-d8	7.56	98	454532	37.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.38%	
62) 4-Bromofluorobenzene	11.42	95	171778	35.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.59	59	490	3.076	ug/l #	1
13) Acrolein	2.02	56	857	4.280	ug/l	95
16) Acetone	2.25	43	16956	28.709	ug/l	99
18) Methyl Acetate	2.37	43	3079	2.314	ug/l #	59
20) Methylene Chloride	2.19	84	6538	Below Cal		96
25) 2-Butanone	4.36	43	1930	1.496	ug/l #	55
29) Tetrahydrofuran	4.08	42	873	1.489	ug/l #	42

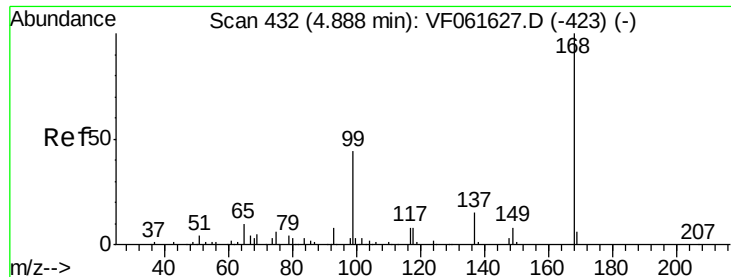
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061675.D

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MSVOA_F

ClientSampleId :

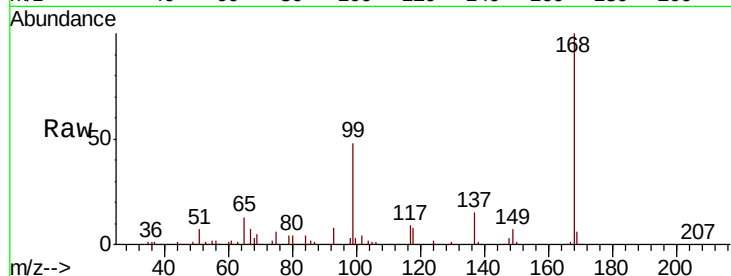
CABLE-BRIDGE-FOUNDATION-D-2

Tgt Ion: 168 Resp: 375381

Ion Ratio Lower Upper

168 100

99 47.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

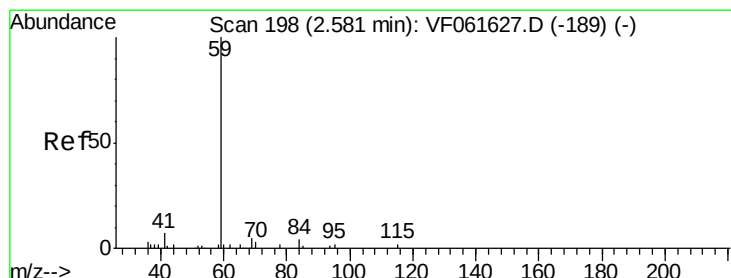
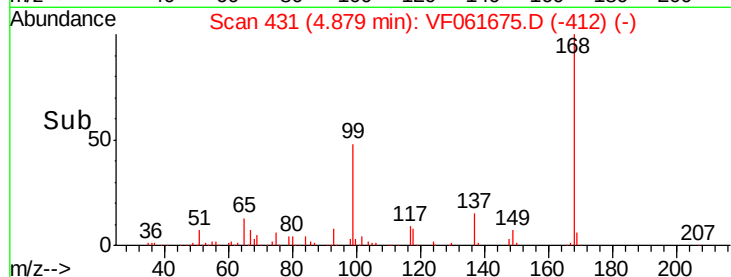
4.88

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.076 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF061675.D

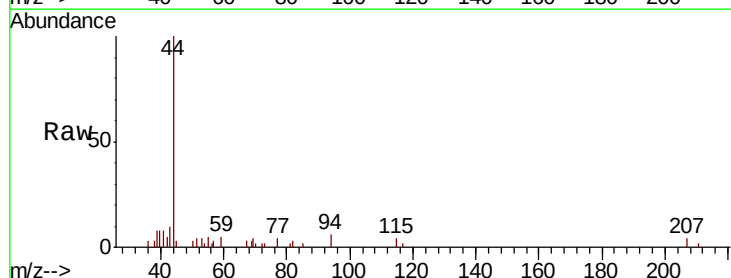
Acq: 18 Feb 2019 13:37

Tgt Ion: 59 Resp: 490

Ion Ratio Lower Upper

59 100

57 63.6 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.59

250

200

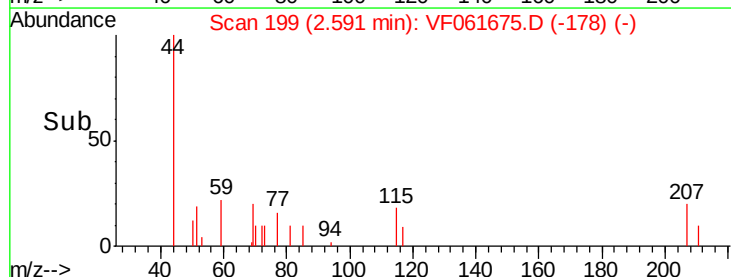
150

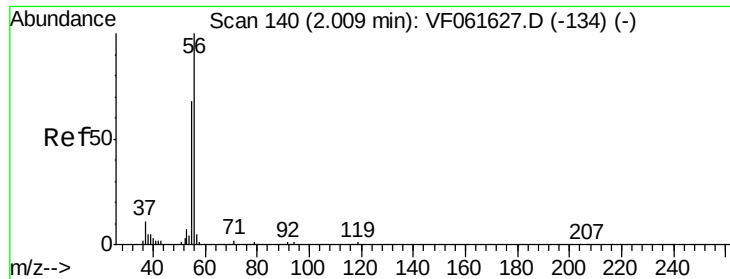
100

50

0

Time-->





#13

Acrolein

Concen: 4.280 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061675.D

Acq: 18 Feb 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

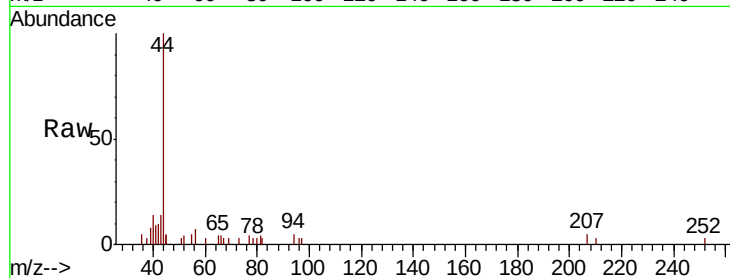
CABLE-BRIDGE-FOUNDATION-D-2

Tgt Ion: 56 Resp: 857

Ion Ratio Lower Upper

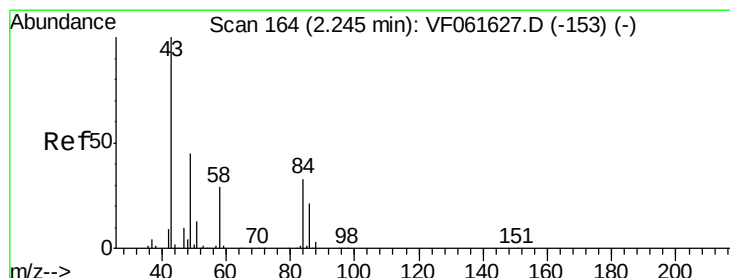
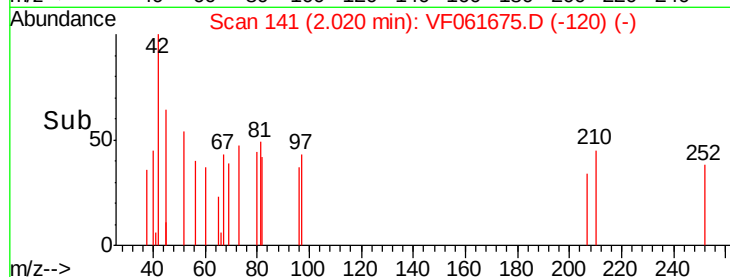
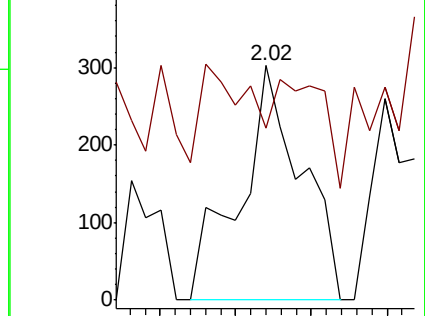
56 100

55 73.2 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 28.709 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061675.D

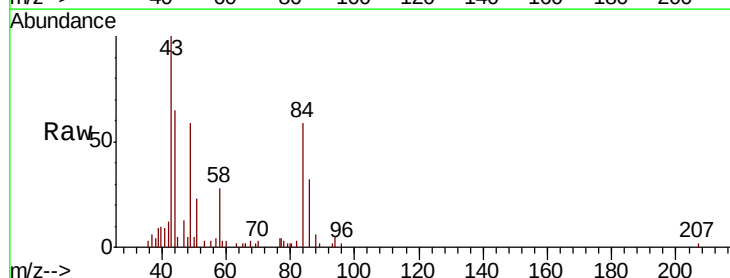
Acq: 18 Feb 2019 13:37

Tgt Ion: 43 Resp: 16956

Ion Ratio Lower Upper

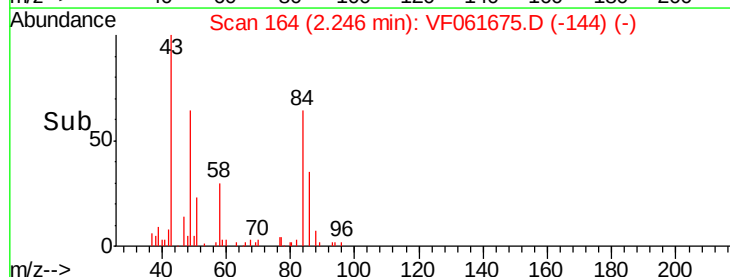
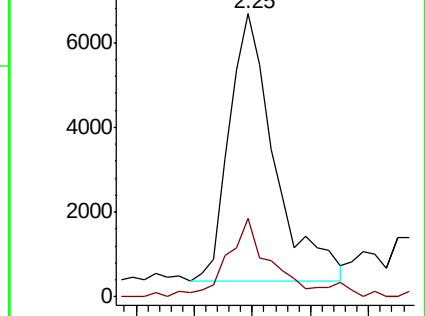
43 100

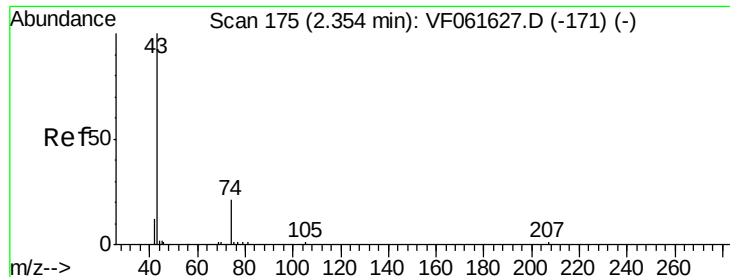
58 27.9 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

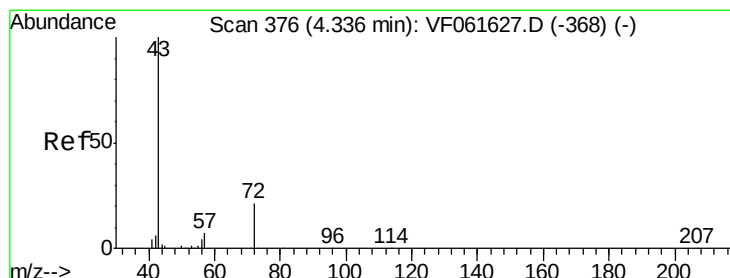
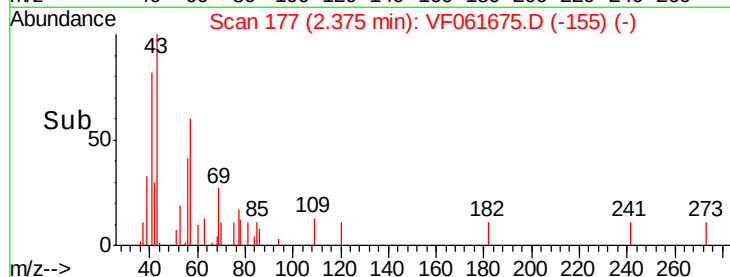
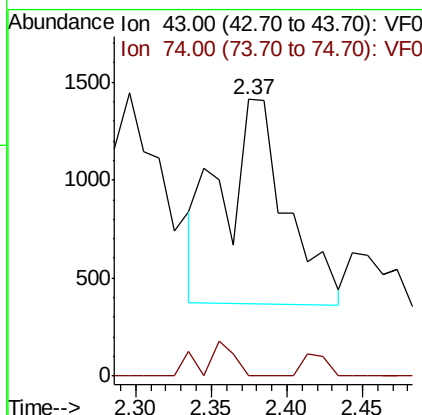
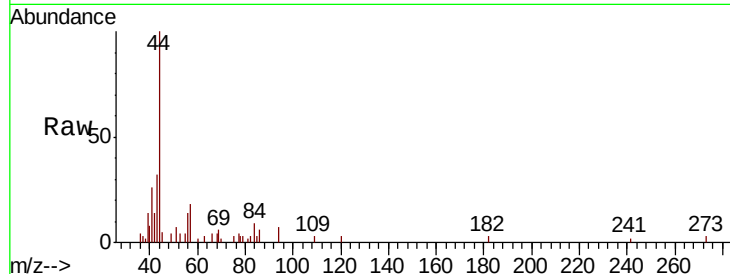




#18
Methyl Acetate
Concen: 2.314 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

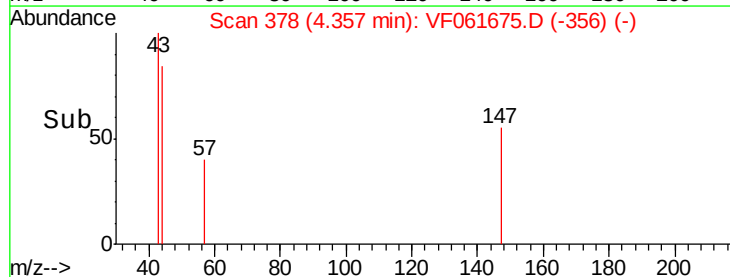
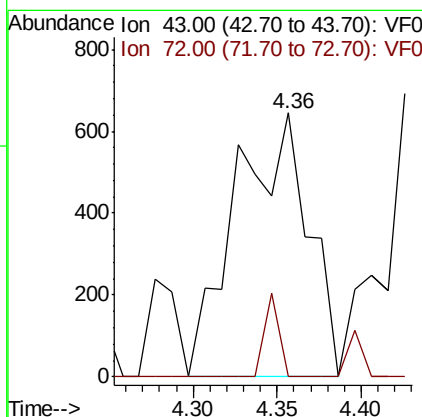
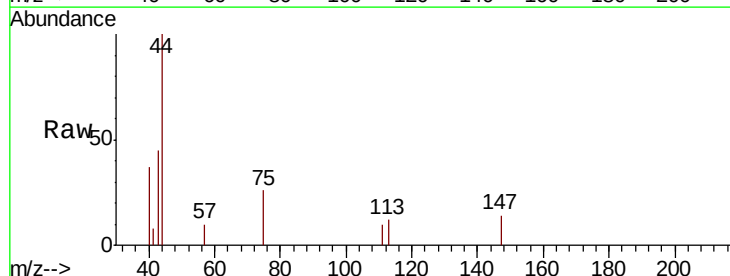
Instrument :
MSVOA_F
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CABLE-BRIDGE-FOUNDATION-D-2

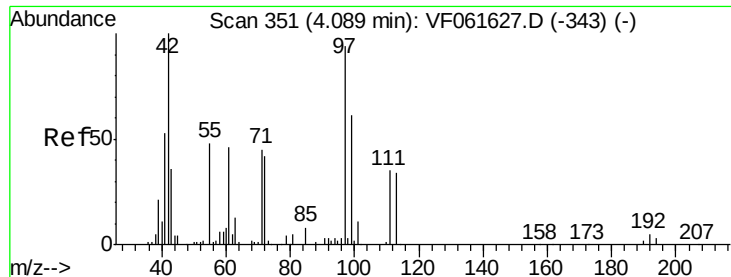
Tgt Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 1.496 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 1.489 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061675.D

Acq: 18 Feb 2019 13:37

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-2

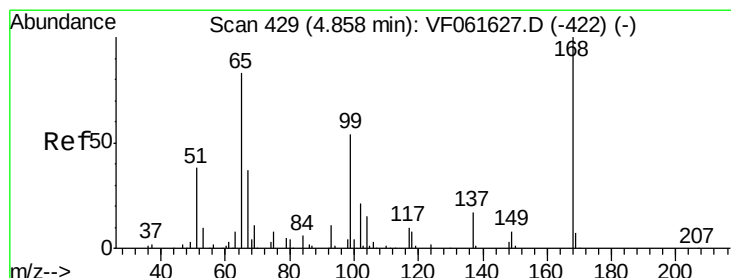
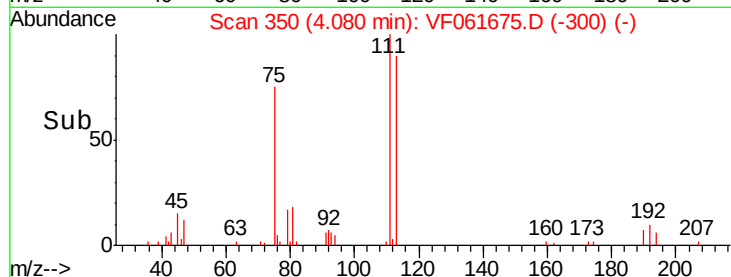
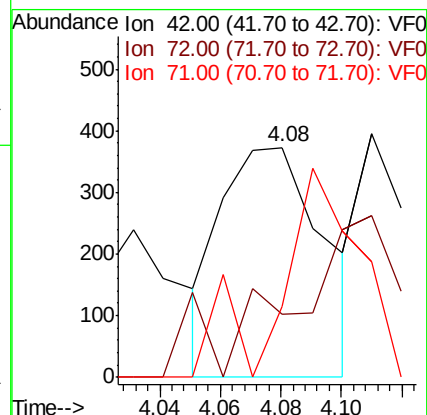
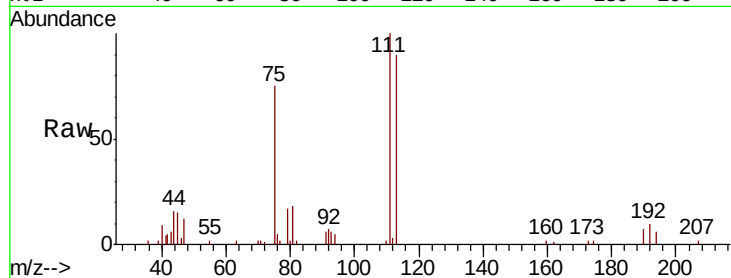
Tgt Ion: 42 Resp: 873

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 70.9 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 45.667 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061675.D

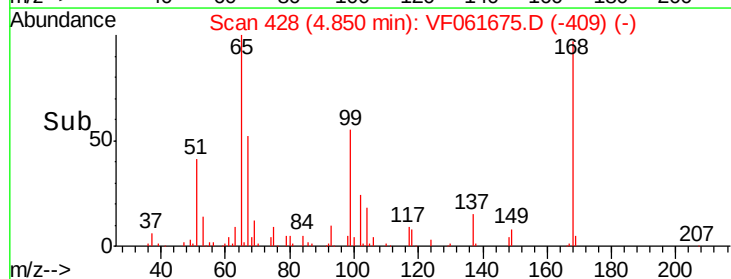
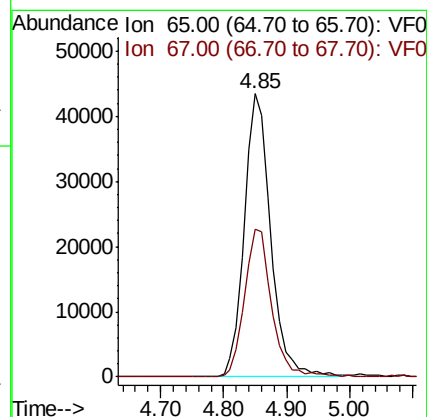
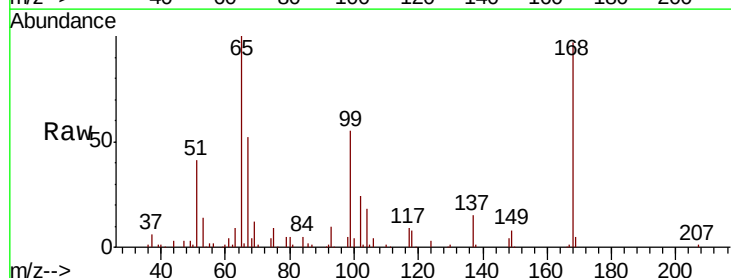
Acq: 18 Feb 2019 13:37

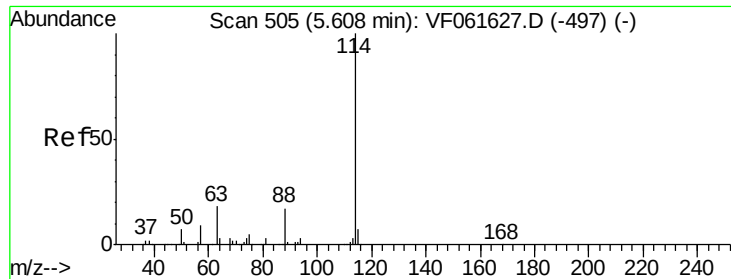
Tgt Ion: 65 Resp: 125708

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0

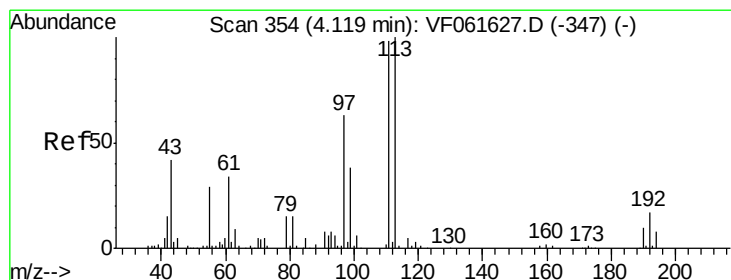
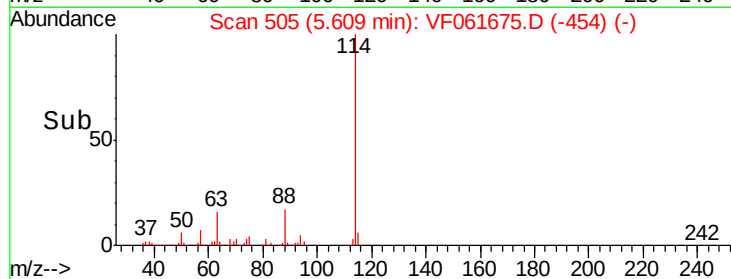
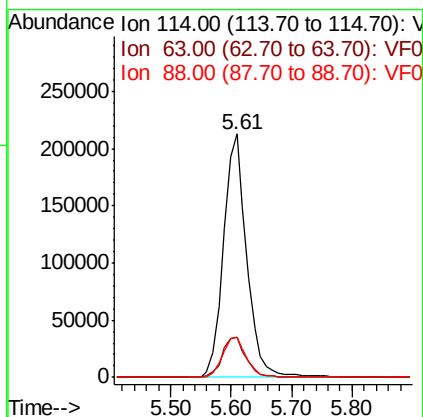
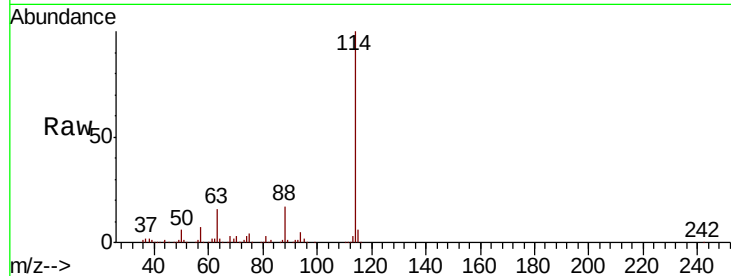




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061675.D
 Acq: 18 Feb 2019 13:37

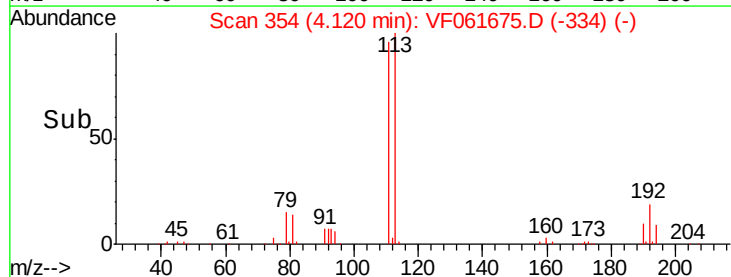
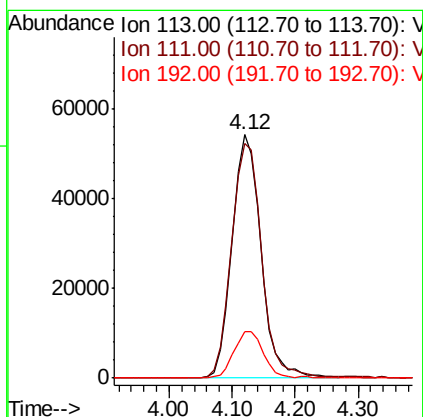
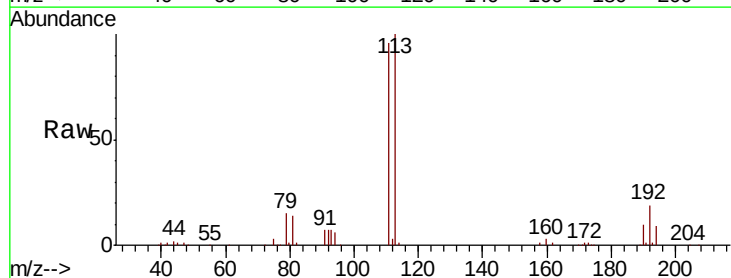
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 CABLE-BRIDGE-FOUNDATION-D-2

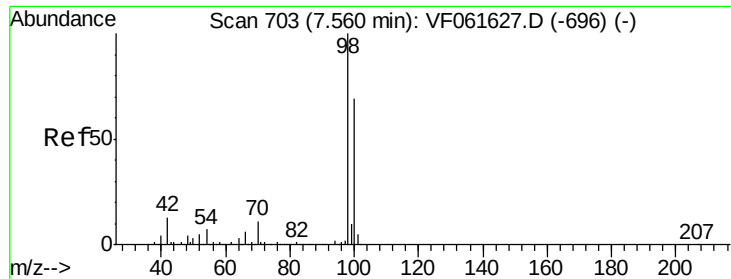
Tgt Ion:114 Resp: 564939
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 36.6
 88 16.7 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 41.063 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061675.D
 Acq: 18 Feb 2019 13:37

Tgt Ion:113 Resp: 172272
 Ion Ratio Lower Upper
 113 100
 111 96.4 78.8 118.2
 192 19.0 13.4 20.0

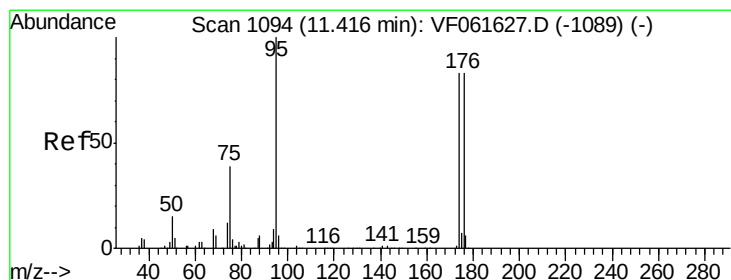
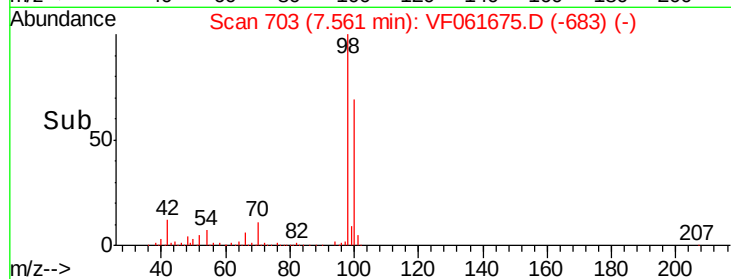
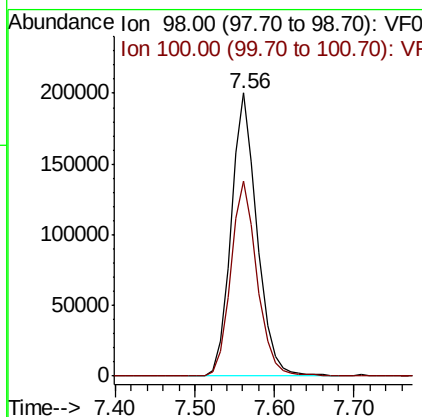
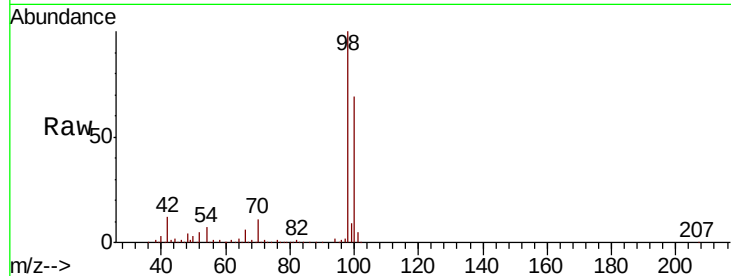




#50
Toluene-d8
Concen: 37.689 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

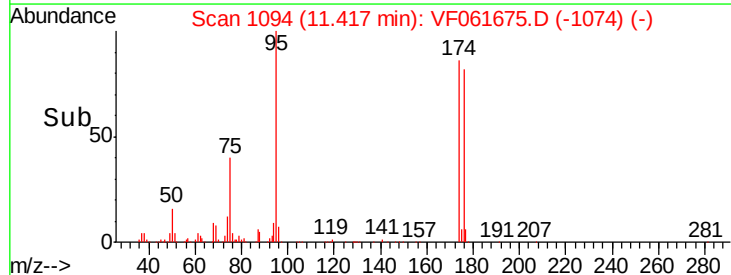
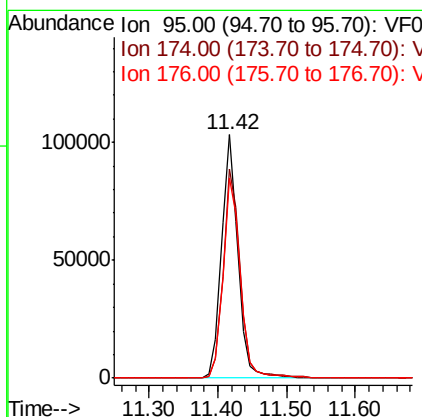
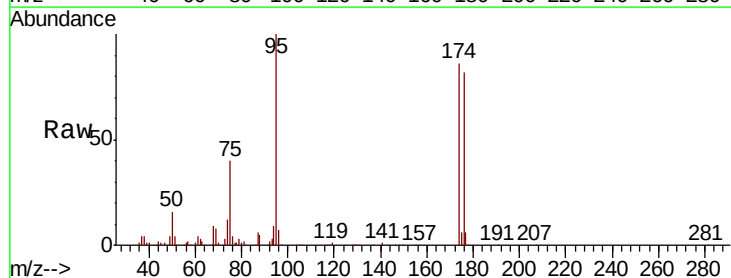
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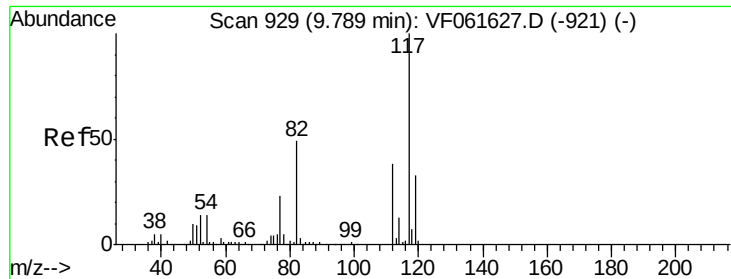
Tgt Ion: 98 Resp: 454532
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.2



#62
4-Bromofluorobenzene
Concen: 35.202 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

Tgt Ion: 95 Resp: 171778
Ion Ratio Lower Upper
95 100
174 85.7 0.0 165.8
176 82.4 0.0 167.0

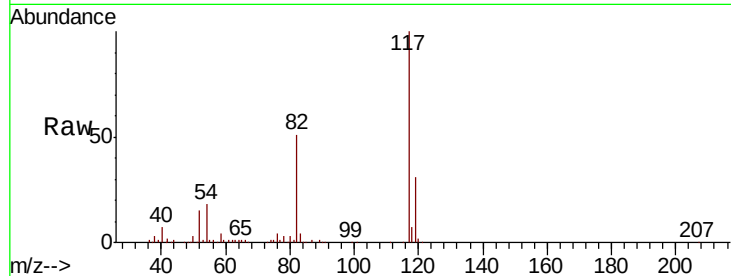




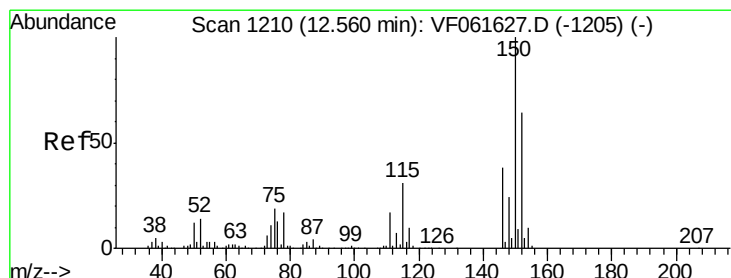
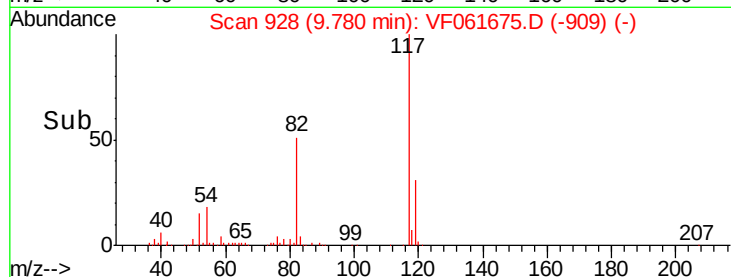
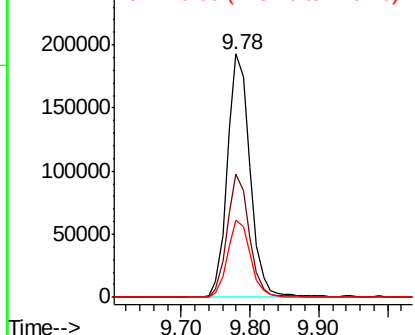
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

Instrument :
MSVOA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-2

Tgt Ion:117 Resp: 442014
Ion Ratio Lower Upper
117 100
82 50.7 39.3 58.9
119 31.5 26.6 40.0

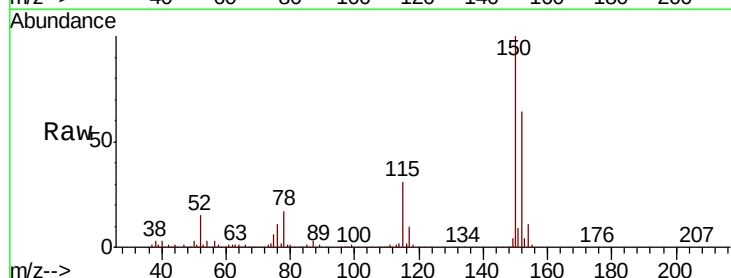


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061675.D
Acq: 18 Feb 2019 13:37

Tgt Ion:152 Resp: 205866
Ion Ratio Lower Upper
152 100
115 48.8 24.3 72.8
150 155.4 0.0 312.0



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

