

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
 Data File : VF061679.D
 Acq On : 18 Feb 2019 15:32
 Operator : VA/AP
 Sample : K1518-11
 Misc : 6.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

Quant Time: Feb 19 01:57:47 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

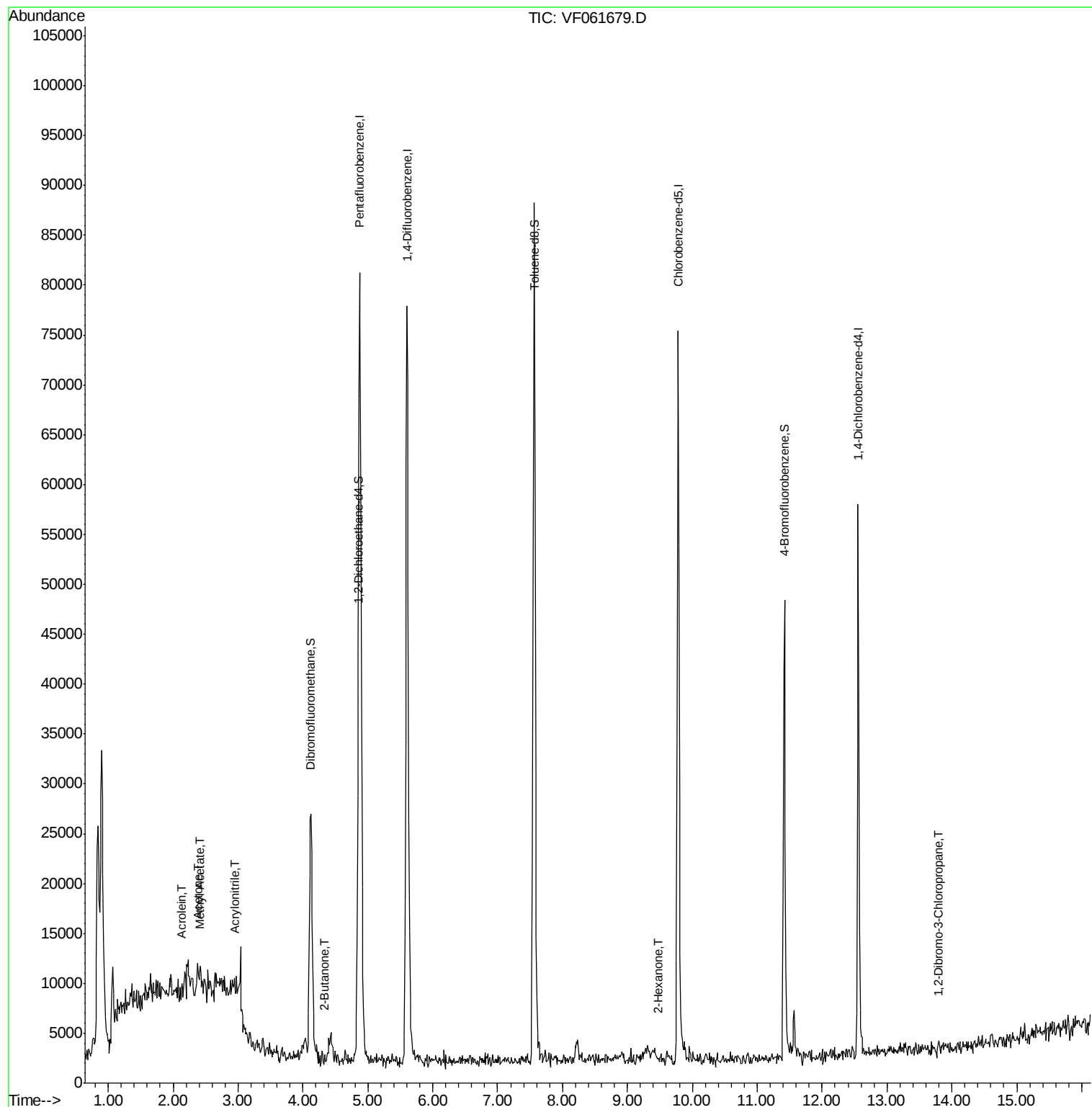
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	85100	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	99250	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	61565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	17194	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	12898	20.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	41.34%	
35) Dibromofluoromethane	4.11	113	25640	34.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.58%	
50) Toluene-d8	7.56	98	81457	38.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.90%	
62) 4-Bromofluorobenzene	11.42	95	18414	21.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.96%	
Target Compounds						
					Qvalue	
13) Acrolein	2.13	56	111	2.445	ug/l	91
15) Acrylonitrile	2.96	53	131	1.023	ug/l #	18
16) Acetone	2.38	43	1254	9.366	ug/l	94
18) Methyl Acetate	2.40	43	2471	8.192	ug/l #	59
20) Methylene Chloride	2.18	84	384	Below Cal	#	54
25) 2-Butanone	4.33	43	372	1.272	ug/l #	55
59) 2-Hexanone	9.49	43	618	2.283	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.80	75	73	2.099	ug/l #	1

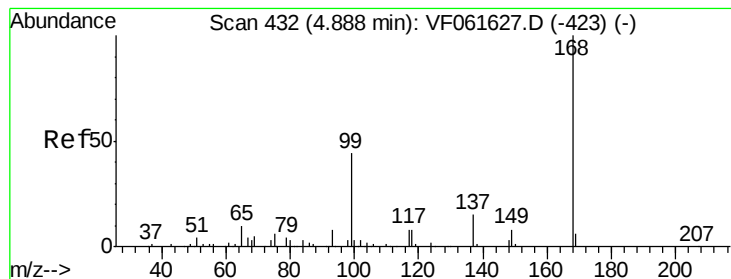
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

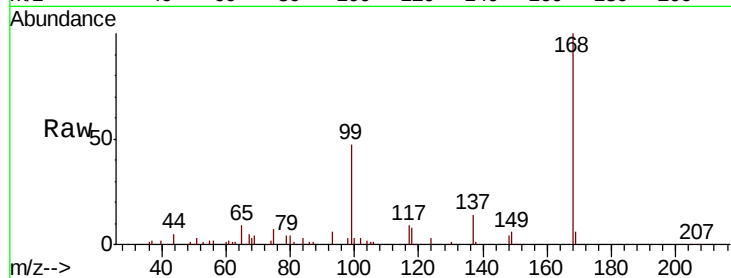
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion:168 Resp: 85100

Ion Ratio Lower Upper

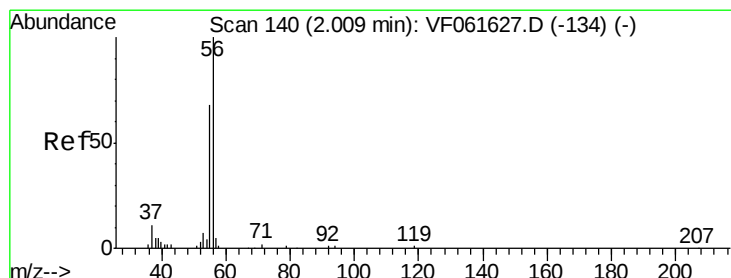
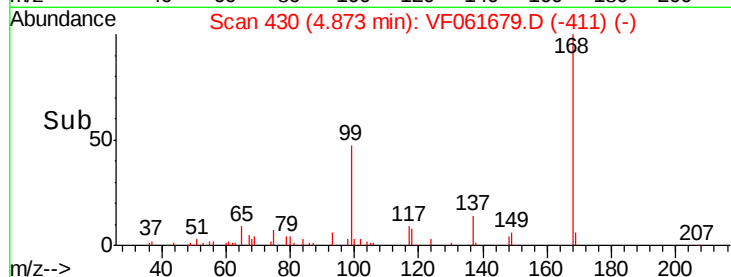
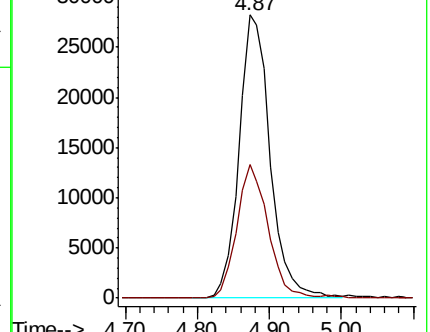
168 100

99 47.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 2.445 ug/l

RT: 2.13 min Scan# 152

Delta R.T. 0.12 min

Lab File: VF061679.D

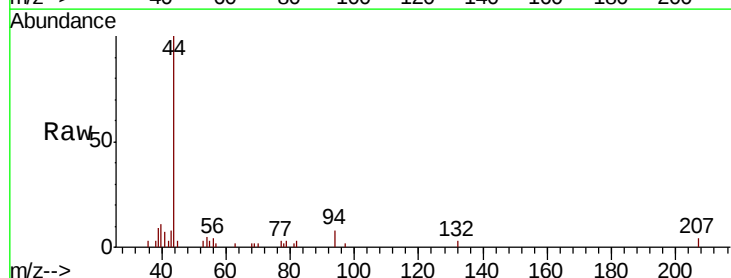
Acq: 18 Feb 2019 15:32

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

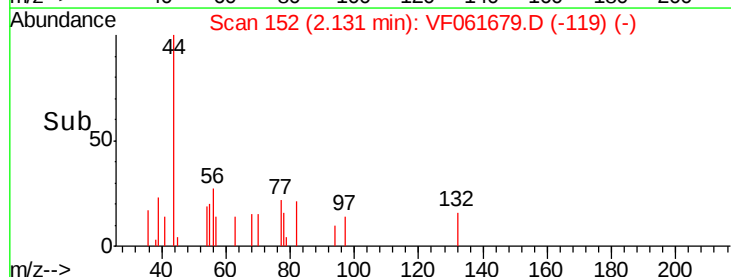
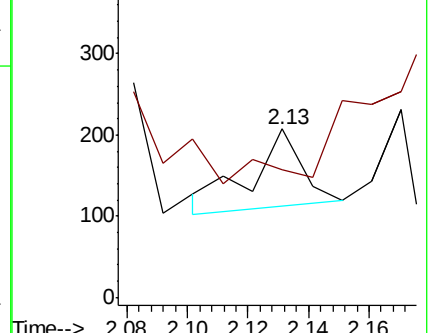
56 100

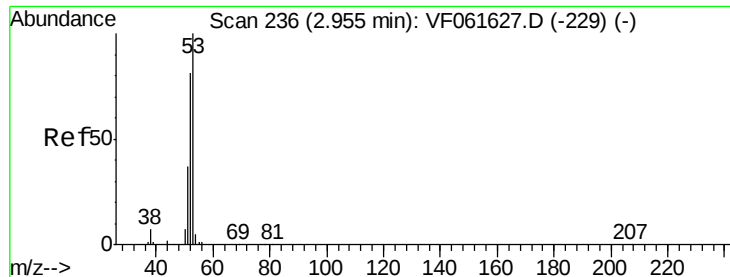
55 75.8 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.023 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

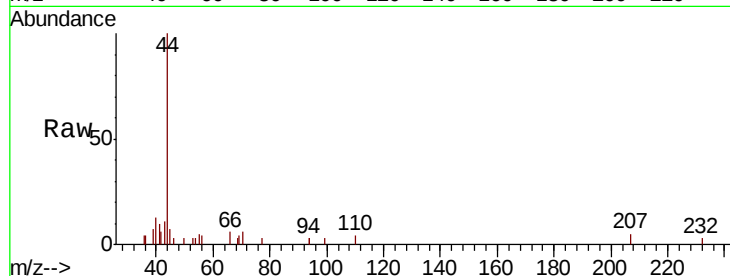
Tgt Ion: 53 Resp: 131

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

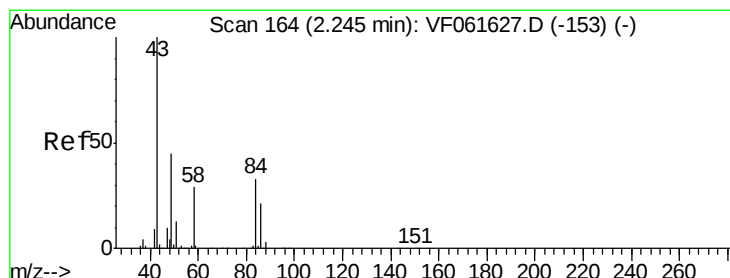
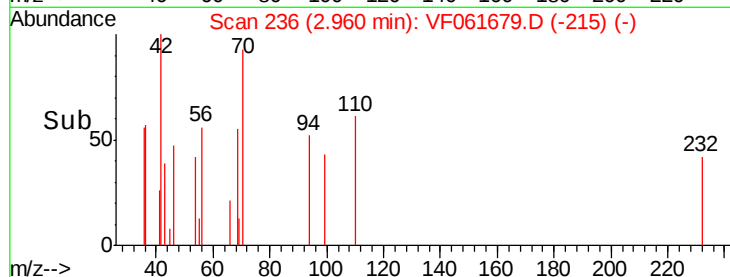
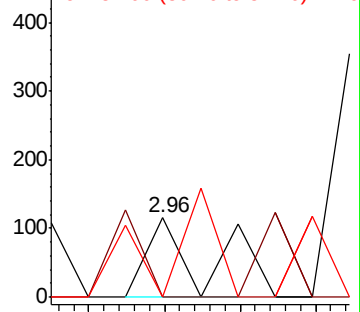
51 0.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 9.366 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.13 min

Lab File: VF061679.D

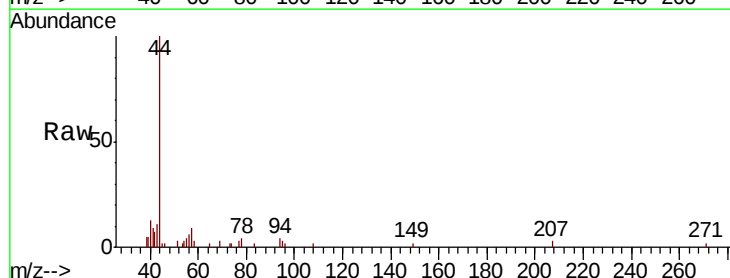
Acq: 18 Feb 2019 15:32

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

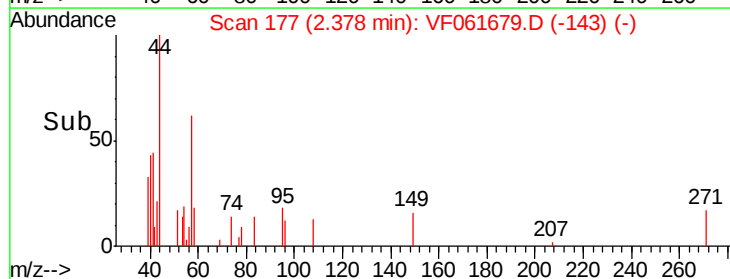
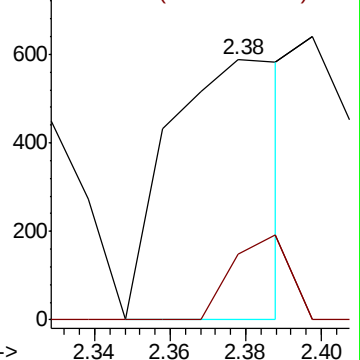
43 100

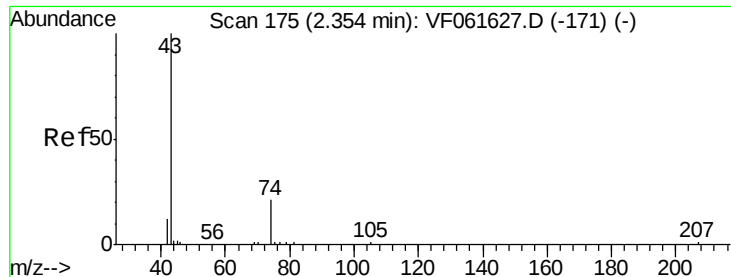
58 25.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

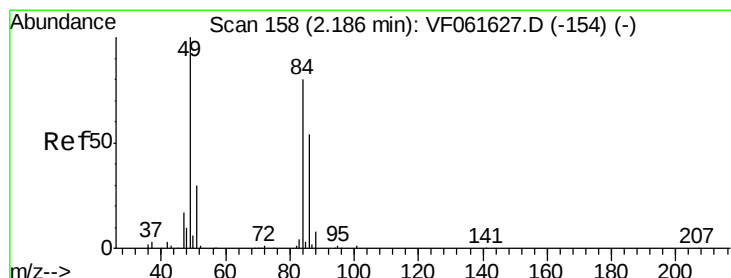
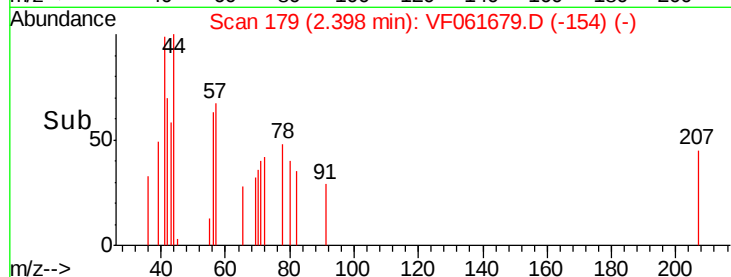
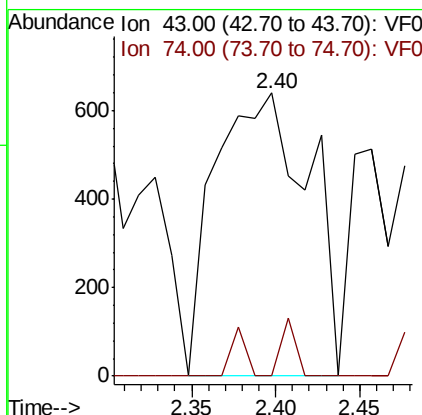
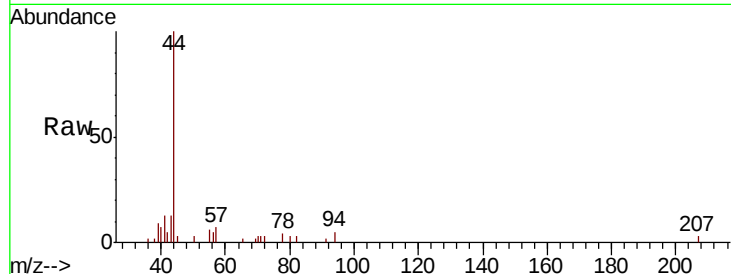




#18
Methyl Acetate
Concen: 8.192 ug/l
RT: 2.40 min Scan# 179
Delta R.T. 0.04 min
Lab File: VF061679.D
Acq: 18 Feb 2019 15:32

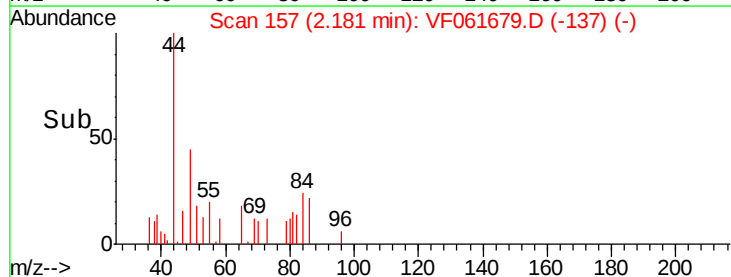
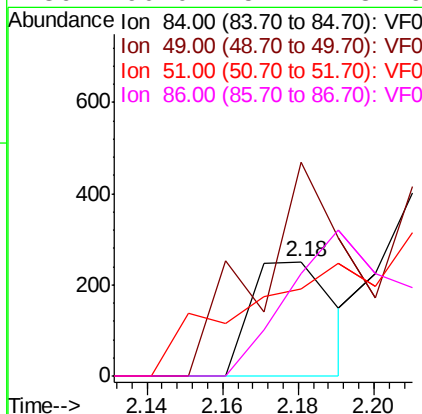
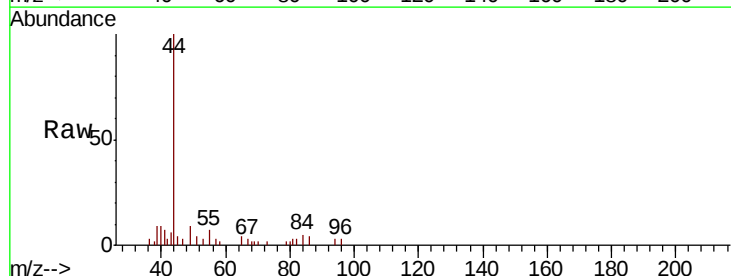
Instrument :
MSVOA_F
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CABLE-BRIDGE-FOUNDATION-D-6

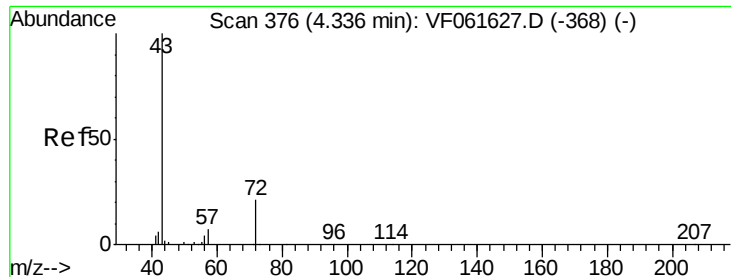
Tgt Ion: 43 Resp: 2471
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061679.D
Acq: 18 Feb 2019 15:32

Tgt Ion: 84 Resp: 384
Ion Ratio Lower Upper
84 100
49 186.9 101.8 152.8#
51 75.7 31.1 46.7#
86 90.0 54.4 81.6#





#25

2-Butanone

Concen: 1.272 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

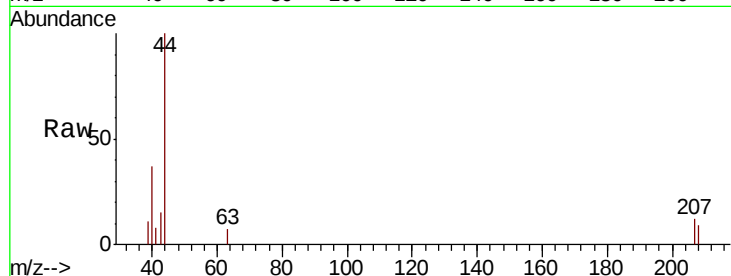
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

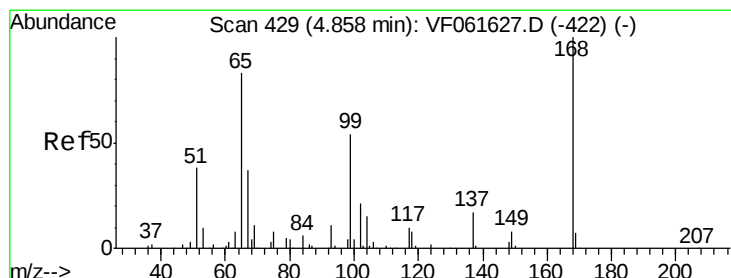
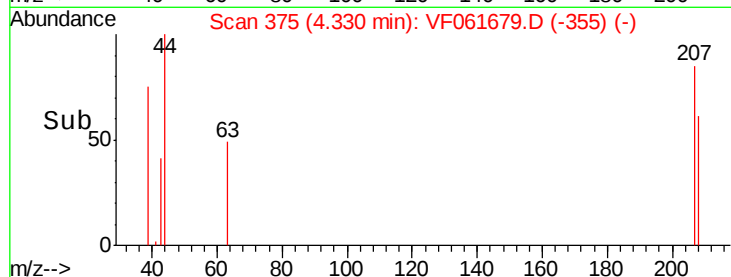
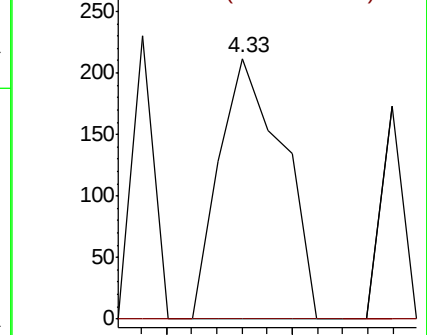
43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 20.668 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061679.D

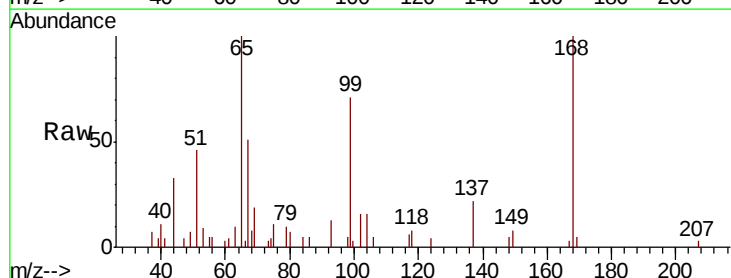
Acq: 18 Feb 2019 15:32

Tgt Ion: 65 Resp: 12898

Ion Ratio Lower Upper

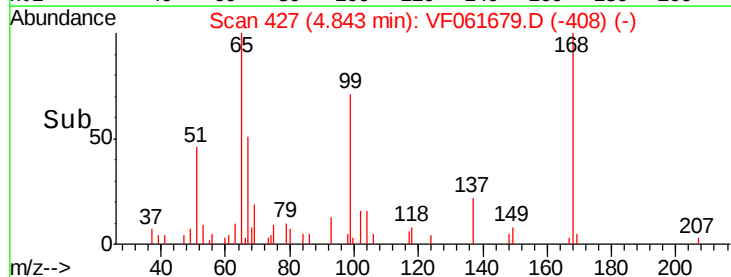
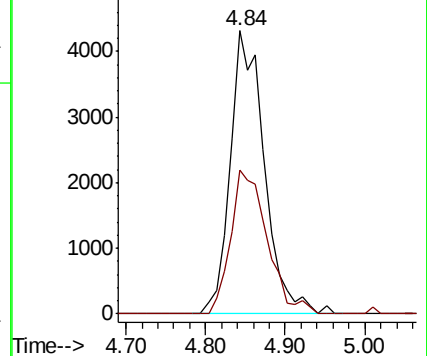
65 100

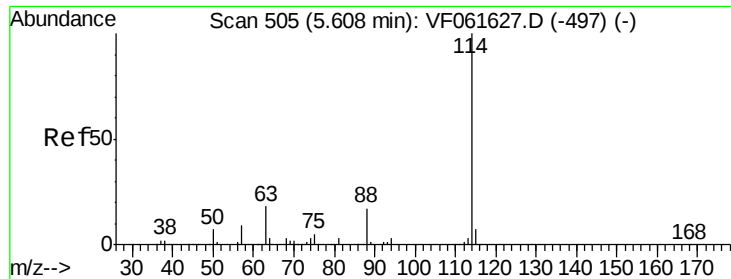
67 50.8 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

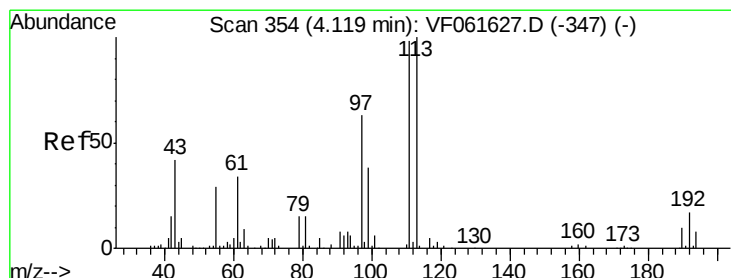
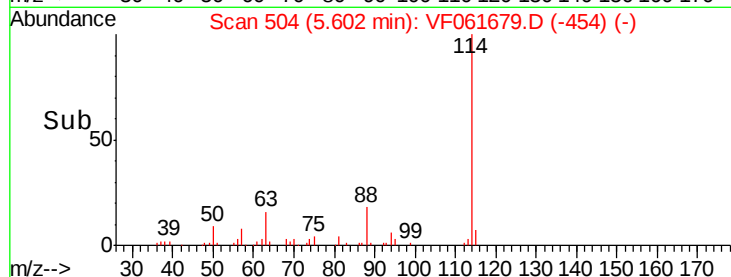
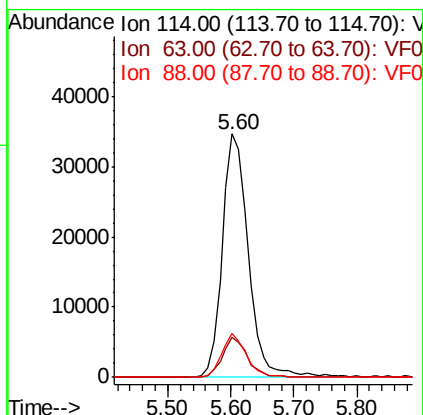
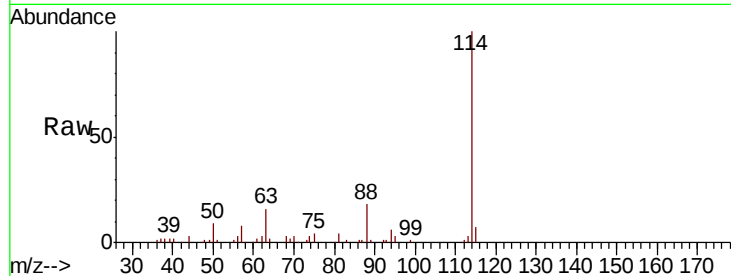




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061679.D
 Acq: 18 Feb 2019 15:32

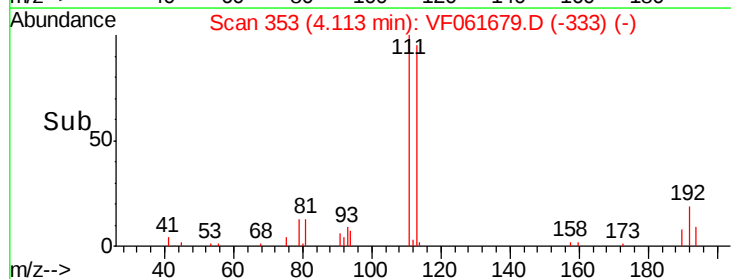
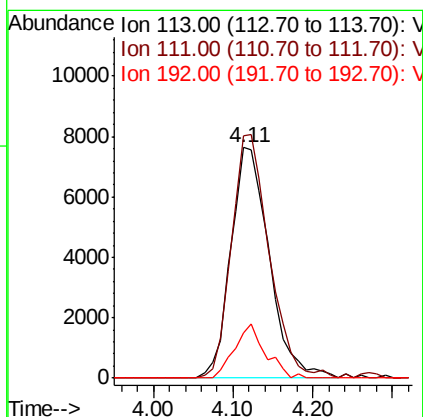
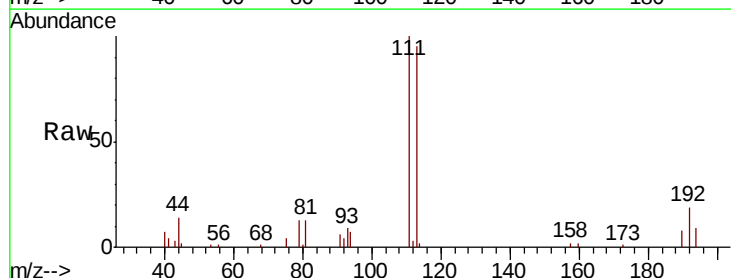
Instrument :
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 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

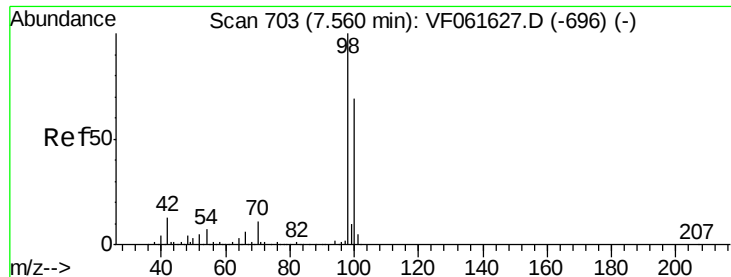
Tgt Ion:114 Resp: 99250
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 36.6
 88 17.9 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 34.788 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061679.D
 Acq: 18 Feb 2019 15:32

Tgt Ion:113 Resp: 25640
 Ion Ratio Lower Upper
 113 100
 111 105.4 78.8 118.2
 192 19.7 13.4 20.0





#50

Toluene-d8

Concen: 38.445 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

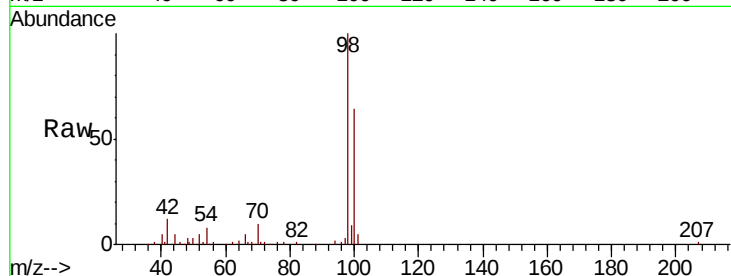
CABLE-BRIDGE-FOUNDATION-D-6

Tgt Ion: 98 Resp: 81457

Ion Ratio Lower Upper

98 100

100 64.5 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

40000

30000

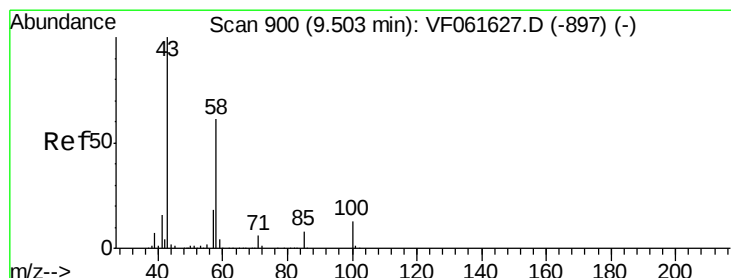
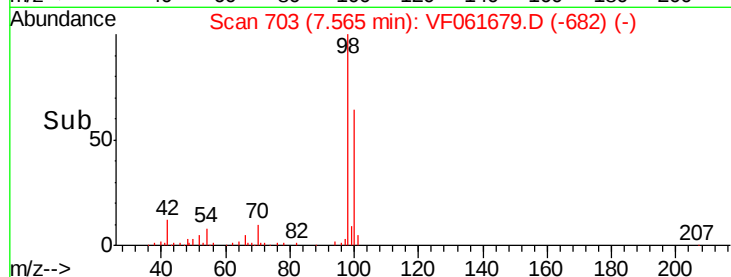
20000

10000

0

Time-->

7.40 7.50 7.60 7.70



#59

2-Hexanone

Concen: 2.283 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061679.D

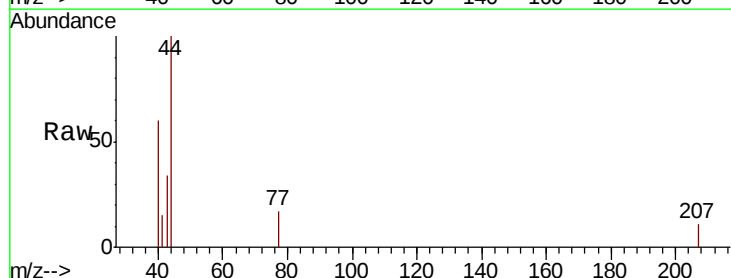
Acq: 18 Feb 2019 15:32

Tgt Ion: 43 Resp: 618

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.49

300

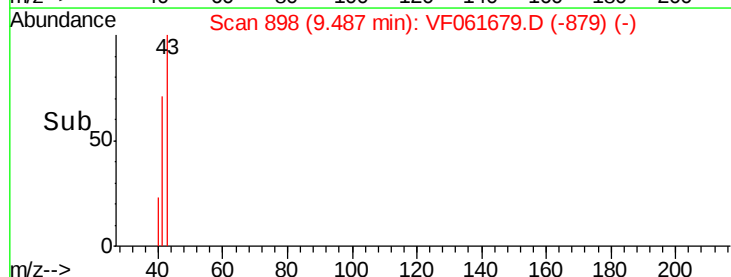
200

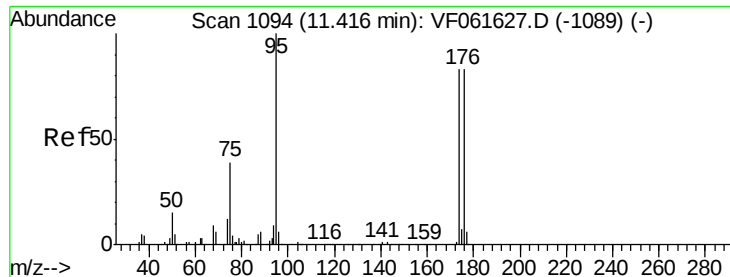
100

0

Time-->

9.40 9.45 9.50 9.55





#62

4-Bromofluorobenzene

Concen: 21.479 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

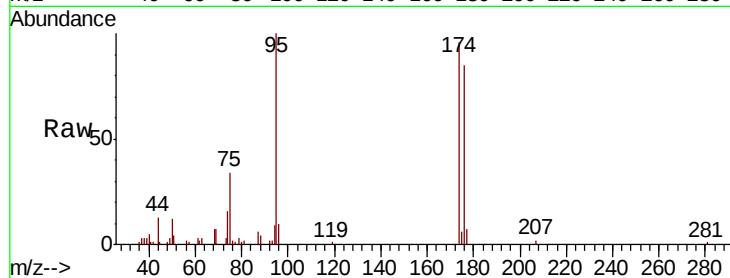
Tgt Ion: 95 Resp: 18414

Ion Ratio Lower Upper

95 100

174 95.8 0.0 165.8

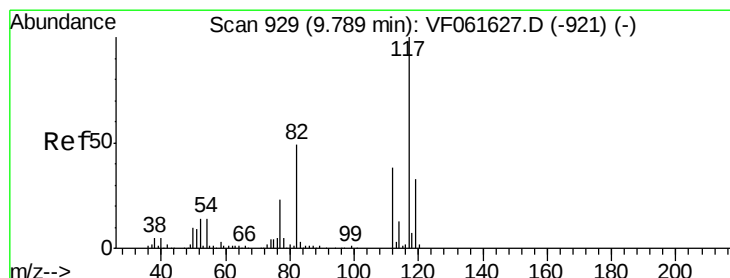
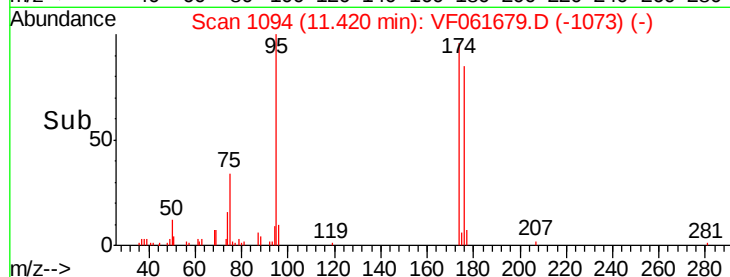
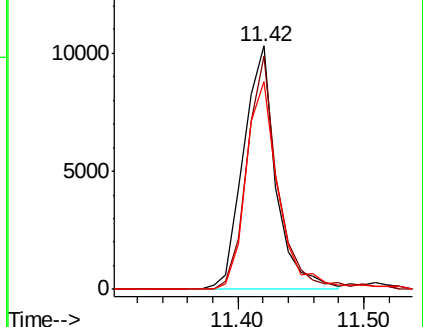
176 85.4 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

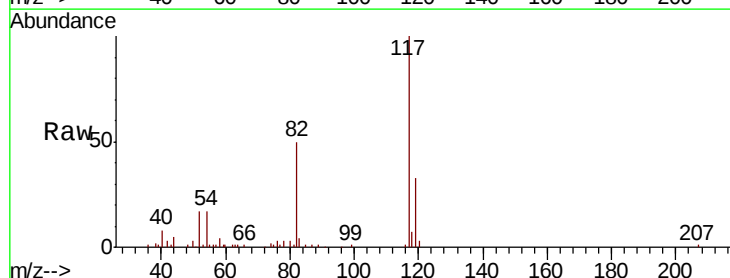
Tgt Ion: 117 Resp: 61565

Ion Ratio Lower Upper

117 100

82 50.1 39.3 58.9

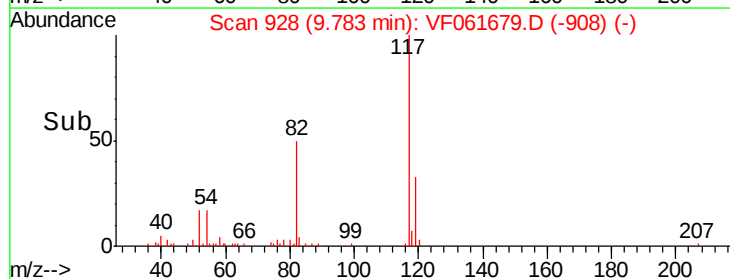
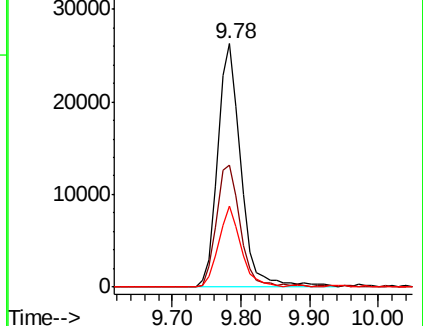
119 33.3 26.6 40.0

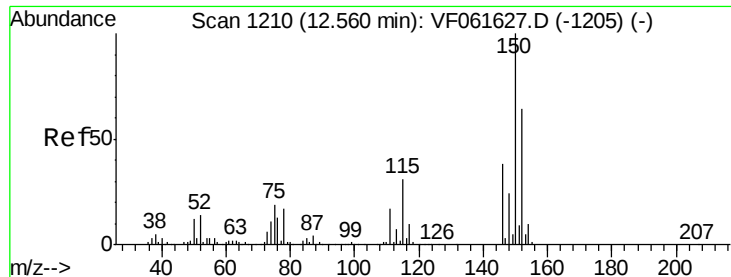


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_F

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

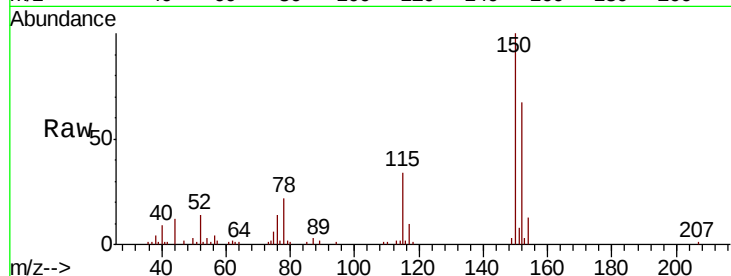
Tgt Ion:152 Resp: 17194

Ion Ratio Lower Upper

152 100

115 50.5 24.3 72.8

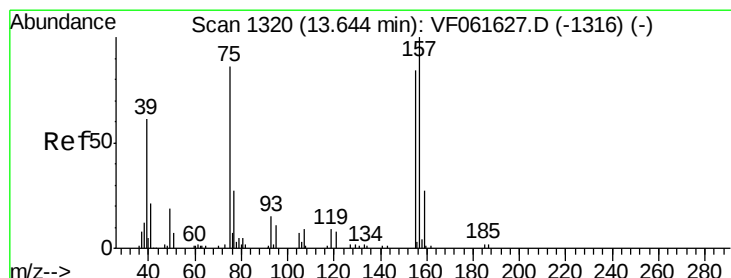
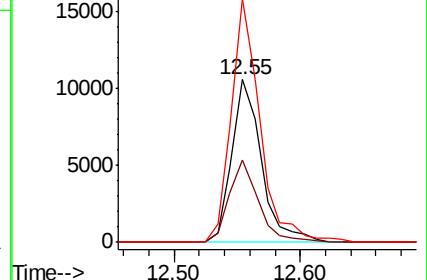
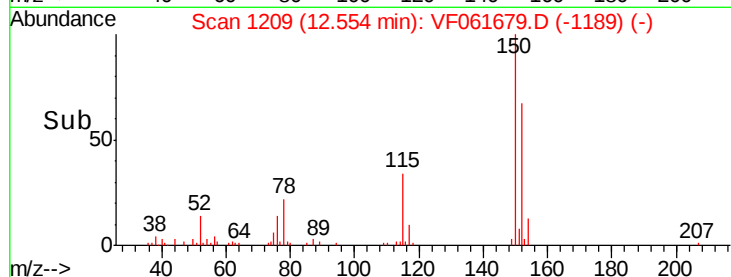
150 149.8 0.0 312.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.099 ug/l

RT: 13.80 min Scan# 1335

Delta R.T. 0.15 min

Lab File: VF061679.D

Acq: 18 Feb 2019 15:32

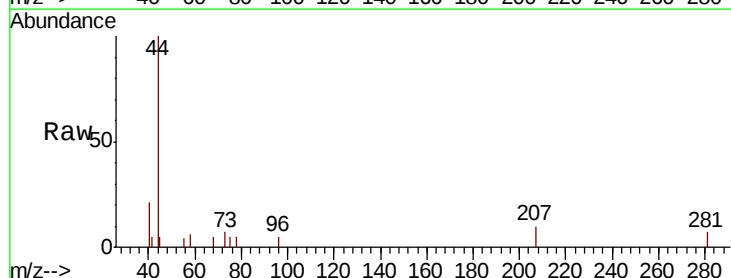
Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

157 0.0 58.3 174.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

