

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056658.D
 Acq On : 23 Feb 2018 16:07
 Operator : JC/SY
 Sample : J1639-01
 Misc : 5.30g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Quant Time: Feb 24 00:47:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	476048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.53	114	711924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.68	117	680884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	367377	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.77	65	258227	44.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.74%	
35) Dibromofluoromethane	4.03	113	256155	47.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.68%	
50) Toluene-d8	7.48	98	693001	43.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.36%	
62) 4-Bromofluorobenzene	11.34	95	333662	45.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.40%	

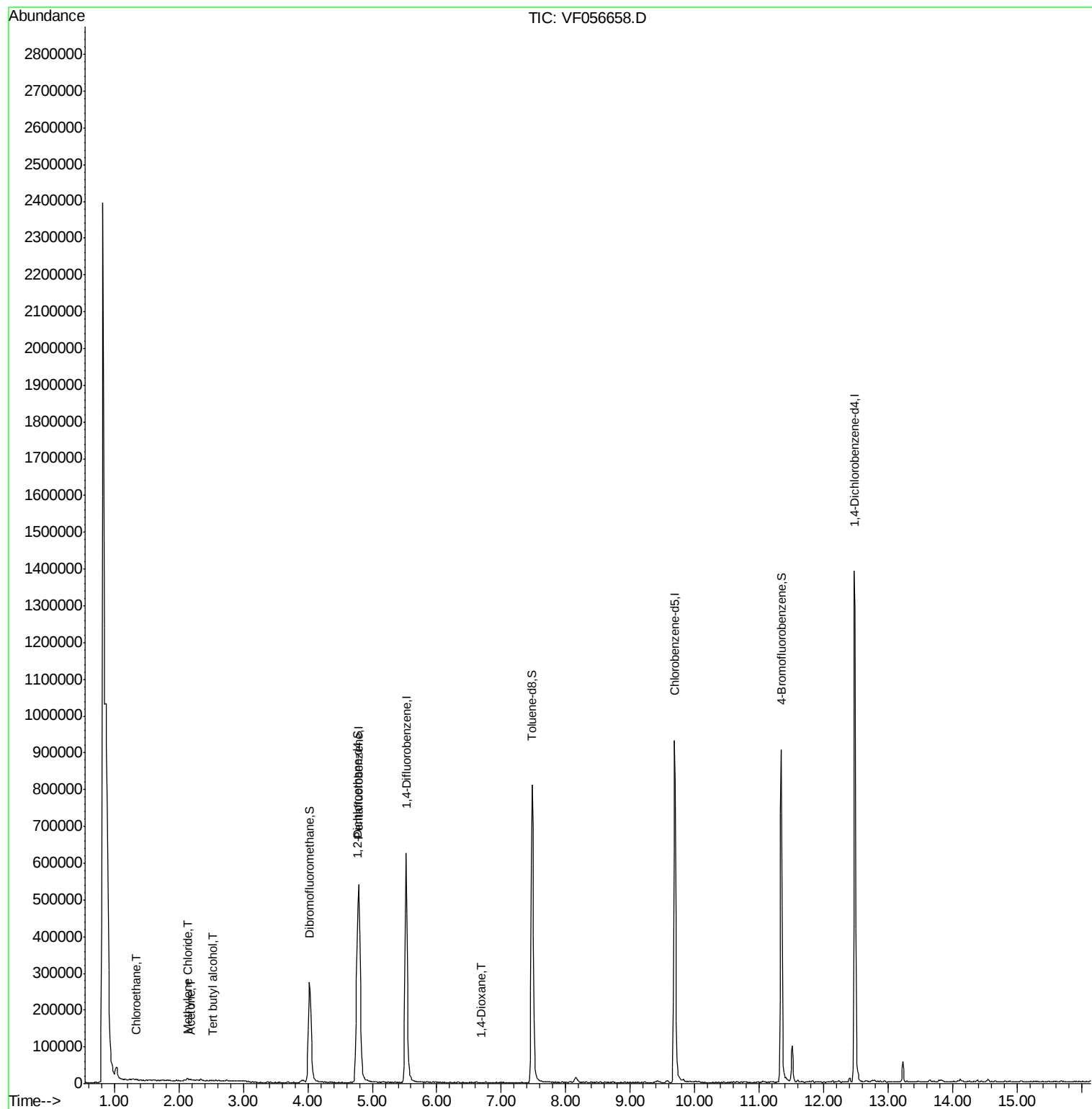
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.35	64	180	1.64	ug/l #	43
11) Tert butyl alcohol	2.52	59	711	1.83	ug/l #	21
16) Acetone	2.18	43	3177	1.88	ug/l	96
18) Methyl Acetate	2.29	43	1460	Below Cal		95
20) Methylene Chloride	2.13	84	3542	1.10	ug/l #	78
28) Bromochloromethane	3.64	49	65	Below Cal	#	10
49) 1,4-Dioxane	6.69	88	62	1.40	ug/l #	26
89) n-Butylbenzene	12.78	91	2177	Below Cal		87

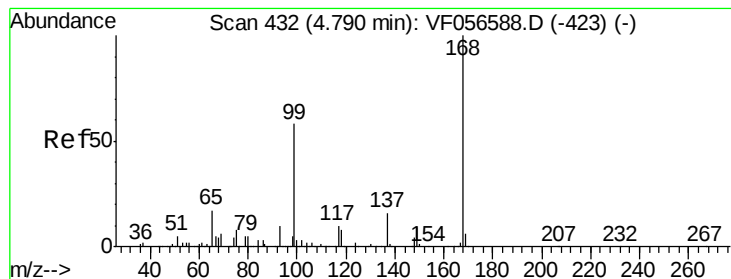
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 21 08:56:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

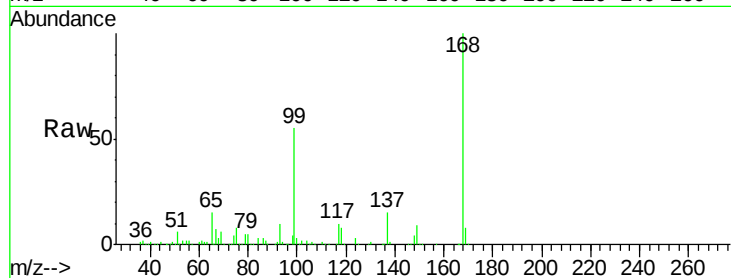
1-1-2-DENSE-GRADE-AGG-RCA

Tgt Ion:168 Resp: 476048

Ion Ratio Lower Upper

168 100

99 55.1 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

150000

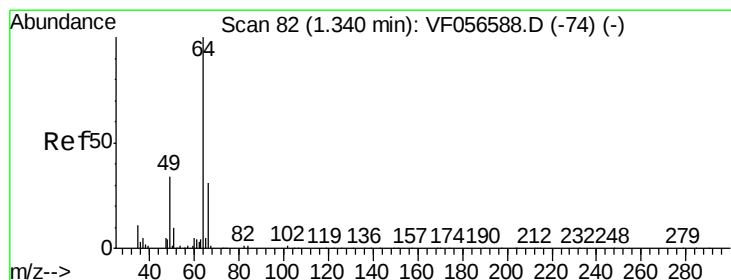
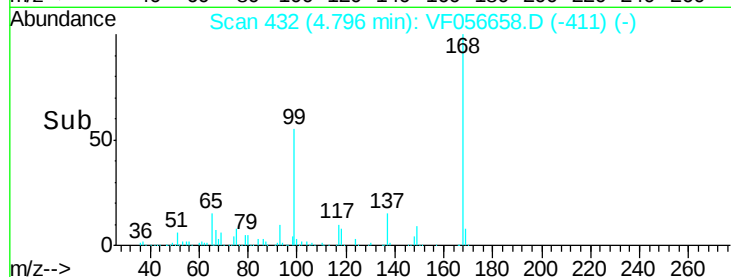
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#6

Chloroethane

Concen: 1.64 ug/l

RT: 1.35 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF056658.D

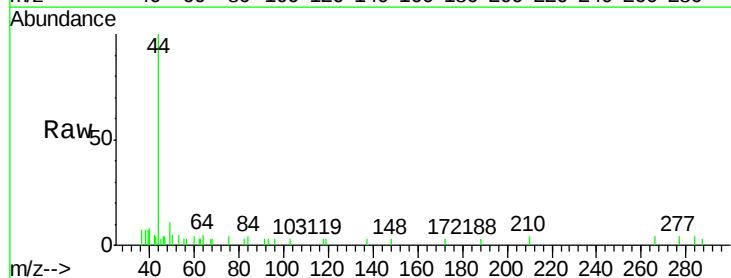
Acq: 23 Feb 2018 16:07

Tgt Ion: 64 Resp: 180

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

200

150

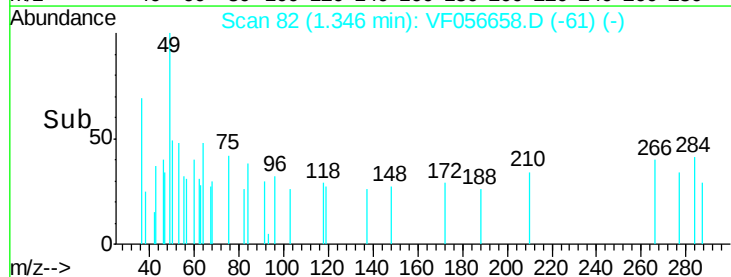
100

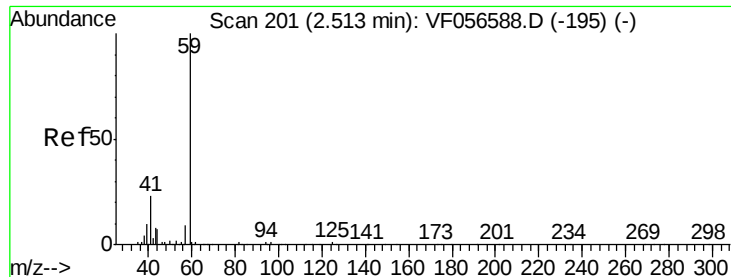
50

0

1.32 1.34 1.36 1.38 1.40

Time-->

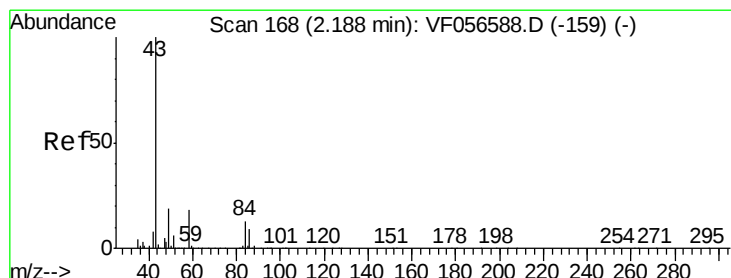
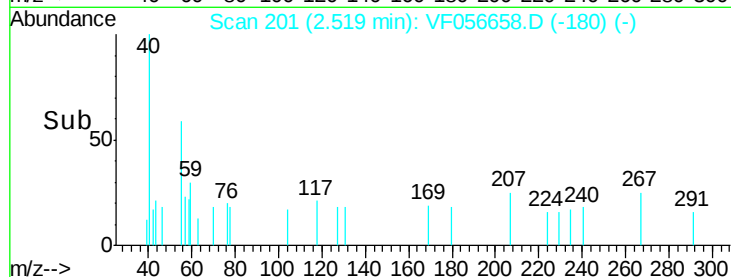
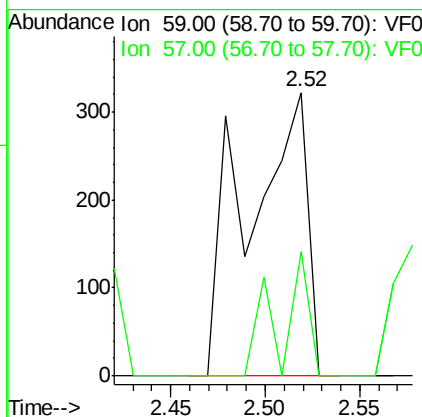
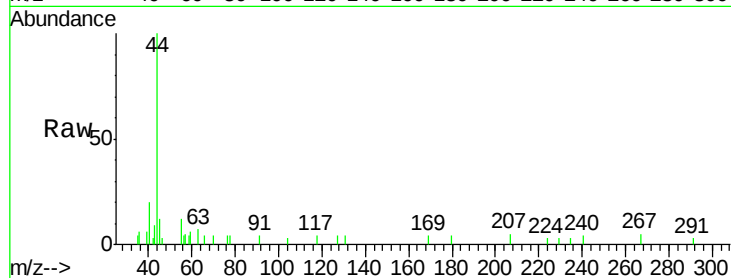




#11
Tert butyl alcohol
Concen: 1.83 ug/l
RT: 2.52 min Scan# 201
Delta R.T. 0.01 min
Lab File: VF056658.D
Acq: 23 Feb 2018 16:07

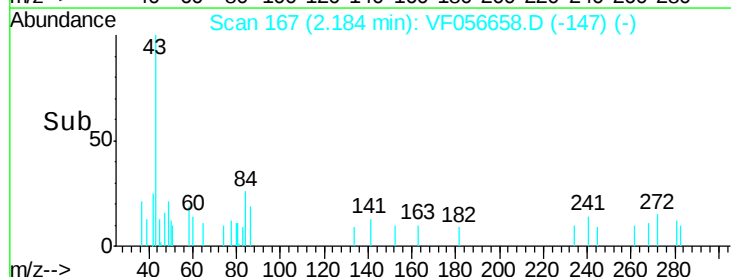
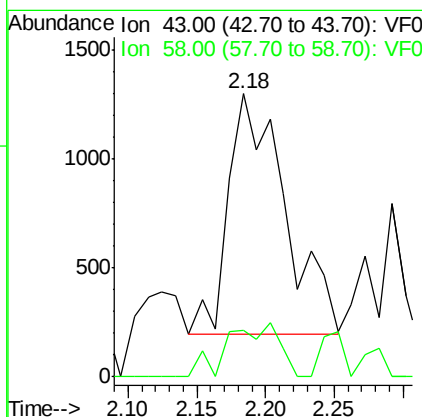
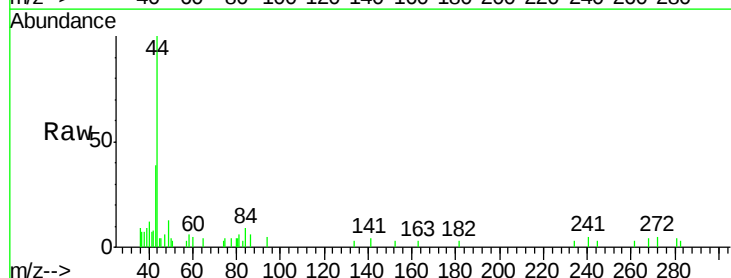
Instrument :
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1-1-2-DENSE-GRADE-AGG-RCA

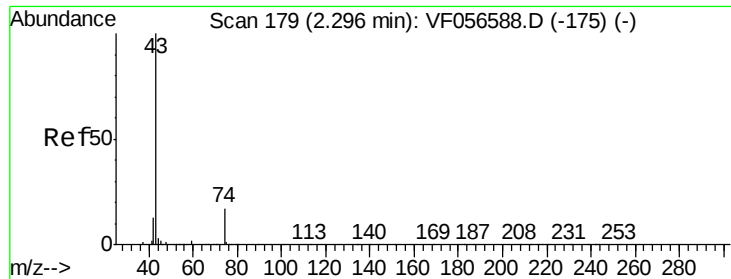
Tgt Ion: 59 Resp: 711
Ion Ratio Lower Upper
59 100
57 44.1 10.3 15.5#



#16
Acetone
Concen: 1.88 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF056658.D
Acq: 23 Feb 2018 16:07

Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 16.5 14.7 22.1

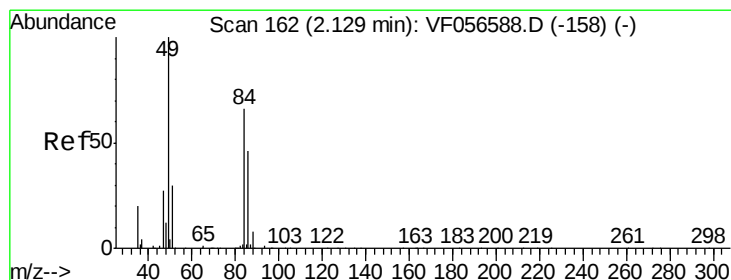
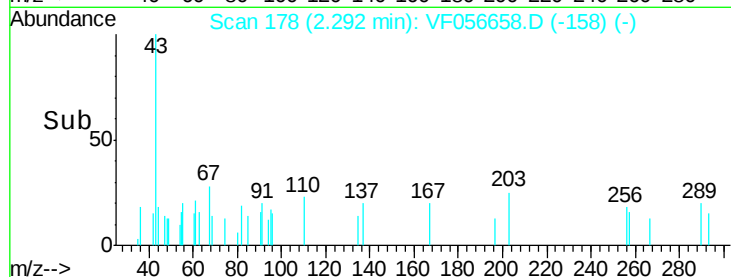
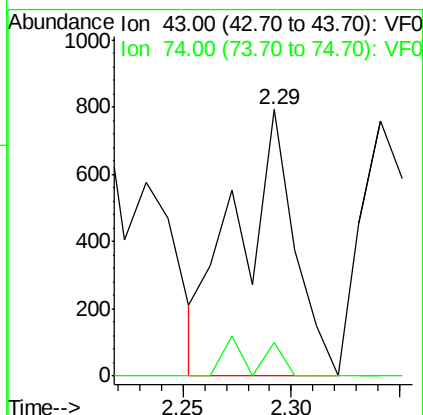
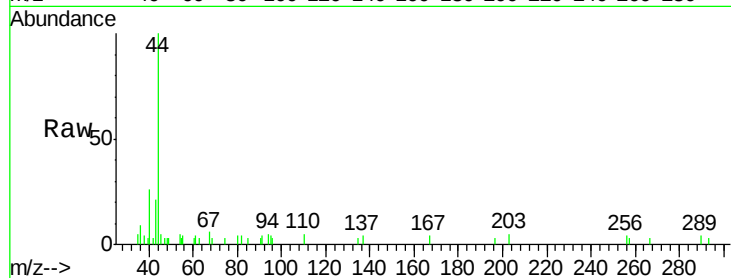




#18
Methyl Acetate
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. -0.00 min
Lab File: VF056658.D
Acq: 23 Feb 2018 16:07

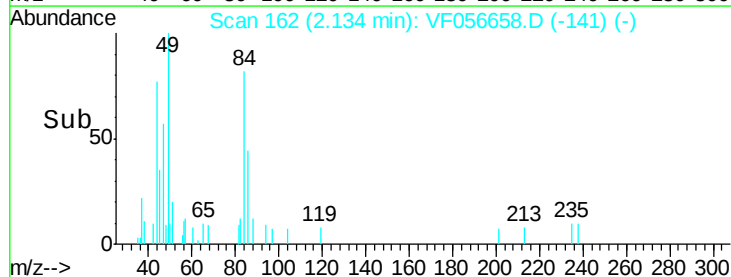
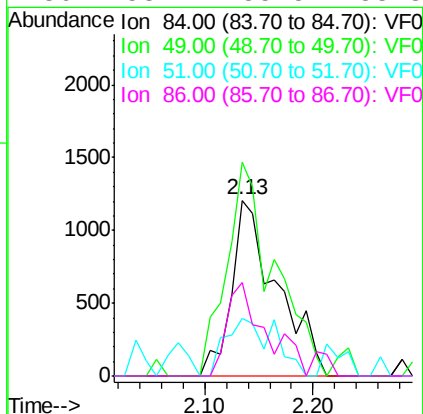
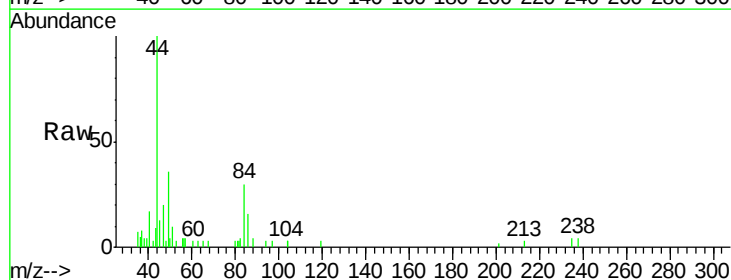
Instrument :
MSVOA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

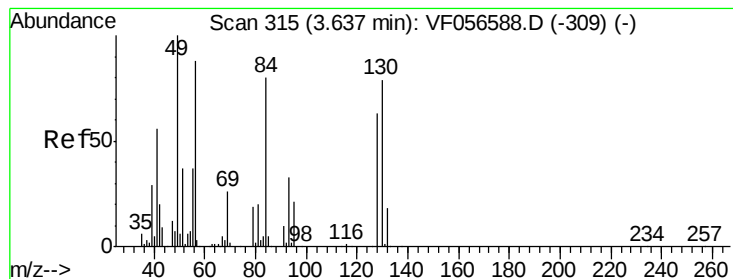
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
74 12.8 12.0 18.0



#20
Methylene Chloride
Concen: 1.10 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF056658.D
Acq: 23 Feb 2018 16:07

Tgt Ion: 84 Resp: 3542
Ion Ratio Lower Upper
84 100
49 121.5 121.4 182.0
51 32.6 37.1 55.7#
86 53.2 55.5 83.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

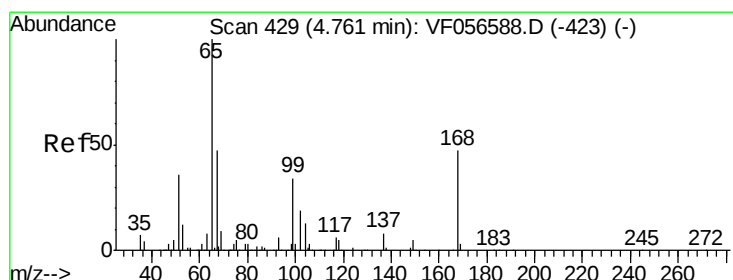
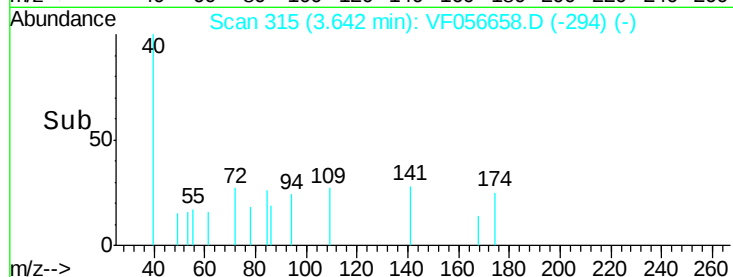
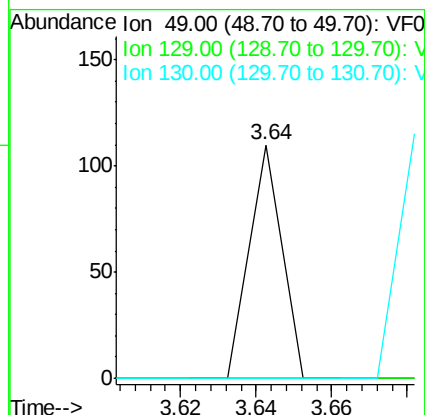
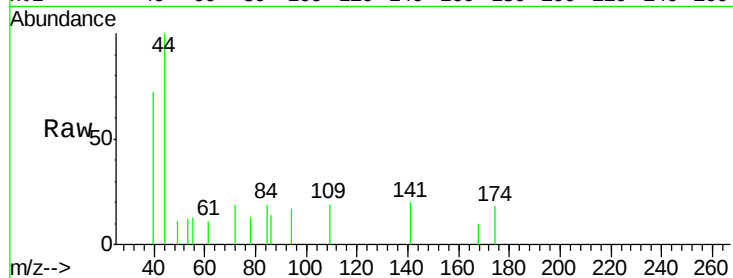
Tgt Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 0.0 63.4 95.0#



#33

1,2-Dichloroethane-d4

Concen: 44.87 ug/l

RT: 4.77 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF056658.D

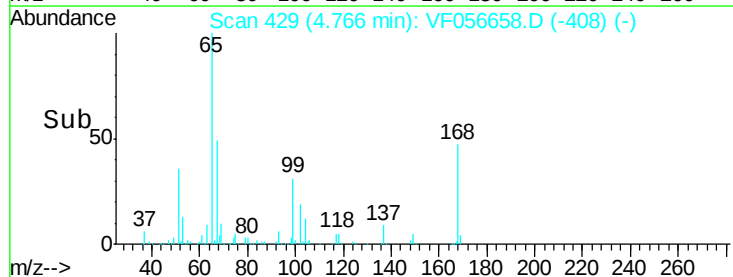
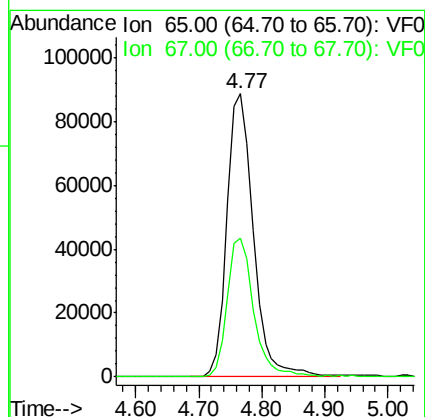
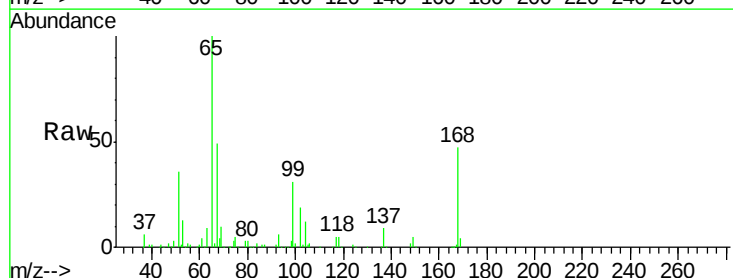
Acq: 23 Feb 2018 16:07

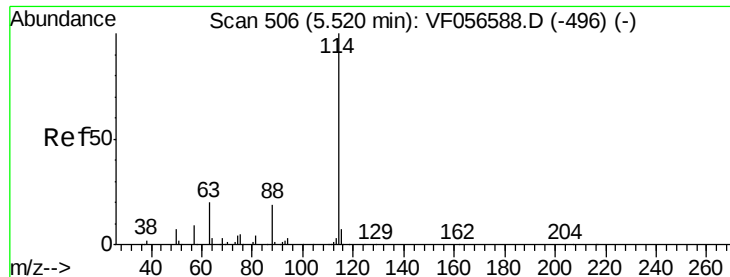
Tgt Ion: 65 Resp: 258227

Ion Ratio Lower Upper

65 100

67 49.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.53 min Scan# 506

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

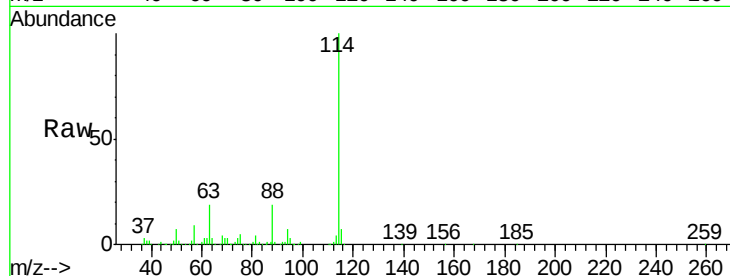
Tgt Ion:114 Resp: 711924

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

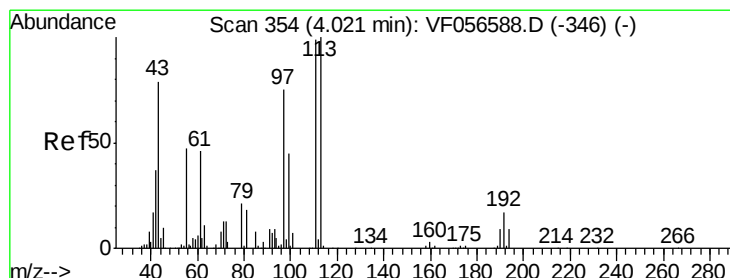
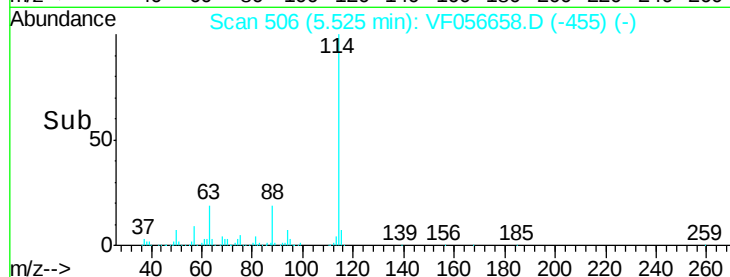
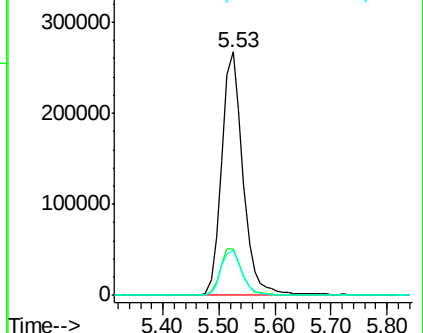
88 18.6 0.0 37.8



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: 47.84 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

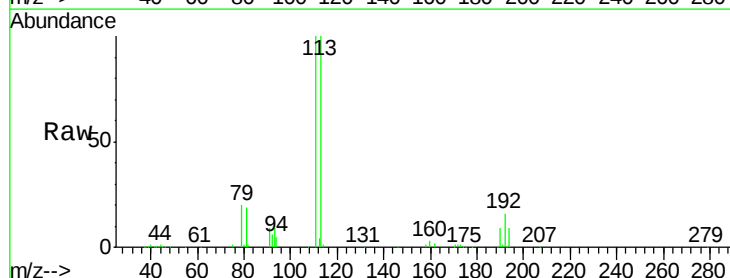
Tgt Ion:113 Resp: 256155

Ion Ratio Lower Upper

113 100

111 100.3 79.1 118.7

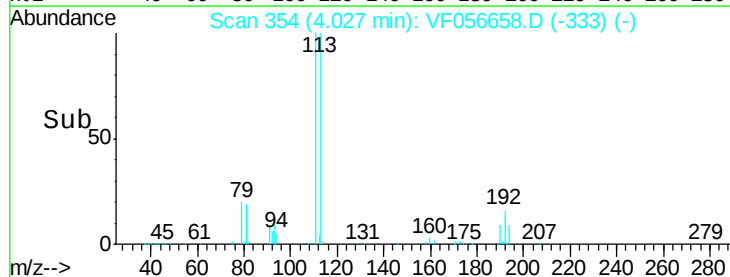
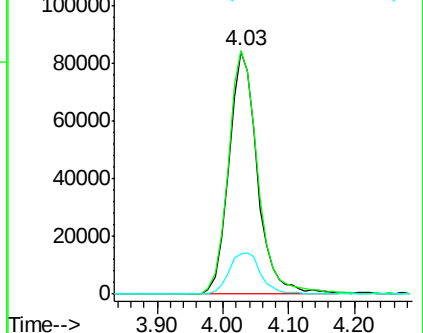
192 16.7 13.9 20.9

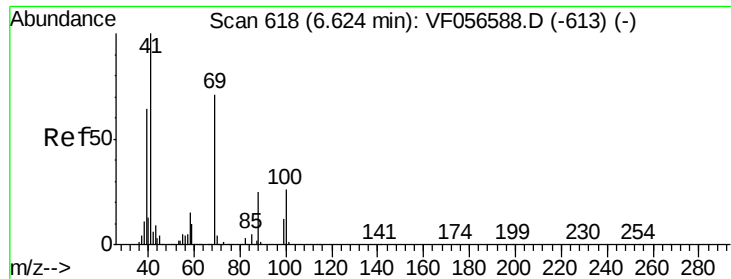


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 1.40 ug/l

RT: 6.69 min Scan# 624

Delta R.T. 0.06 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

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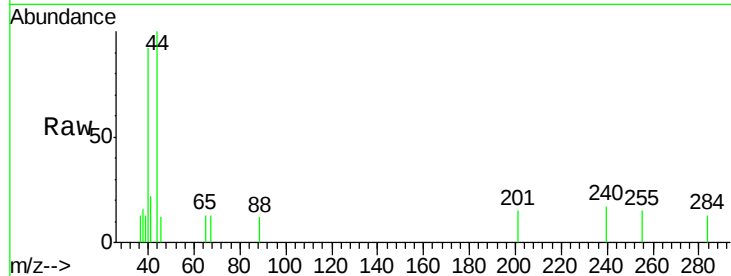
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 30.8 46.2#

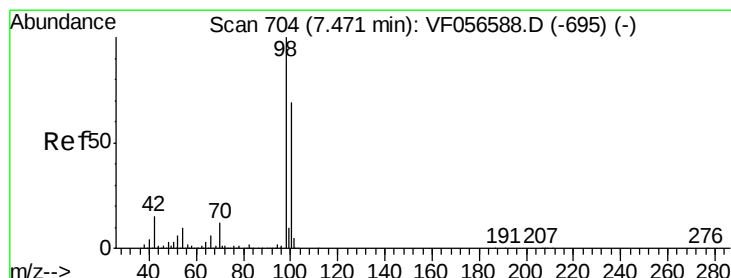
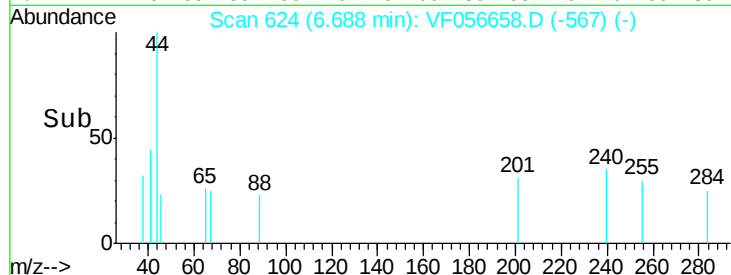
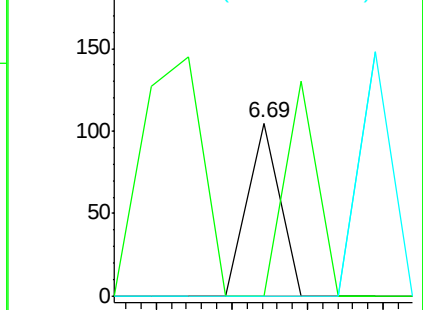
58 0.0 49.8 74.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 43.18 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF056658.D

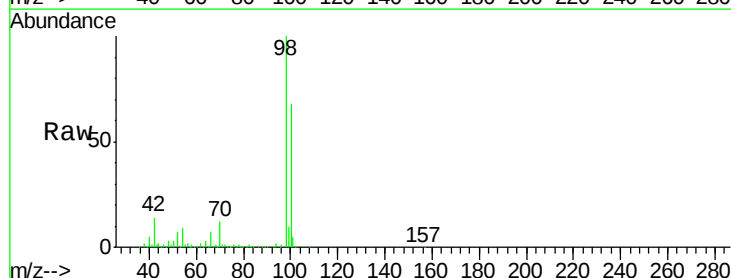
Acq: 23 Feb 2018 16:07

Tgt Ion: 98 Resp: 693001

Ion Ratio Lower Upper

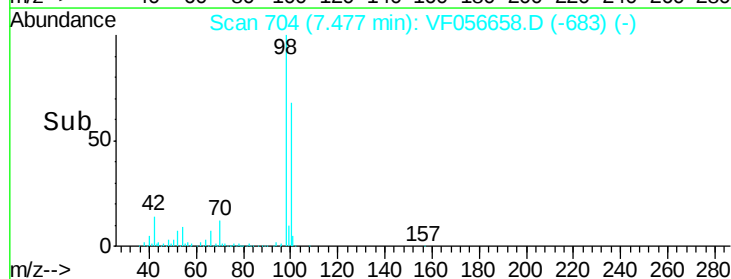
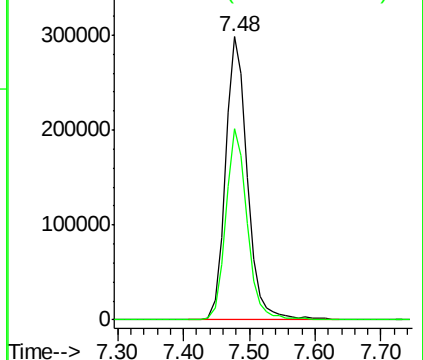
98 100

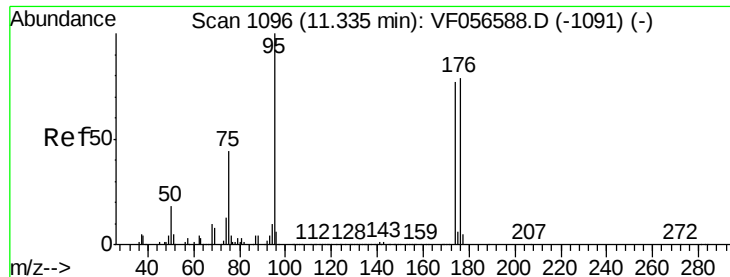
100 67.7 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 45.70 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

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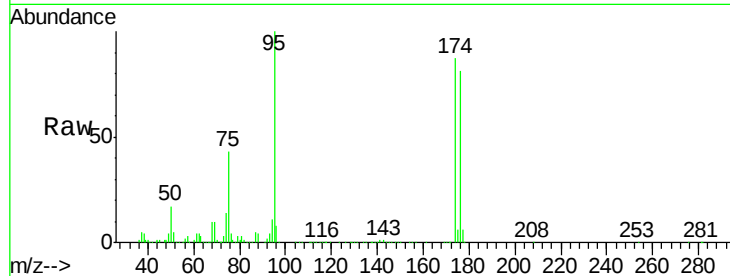
Tgt Ion: 95 Resp: 333662

Ion Ratio Lower Upper

95 100

174 87.4 0.0 154.2

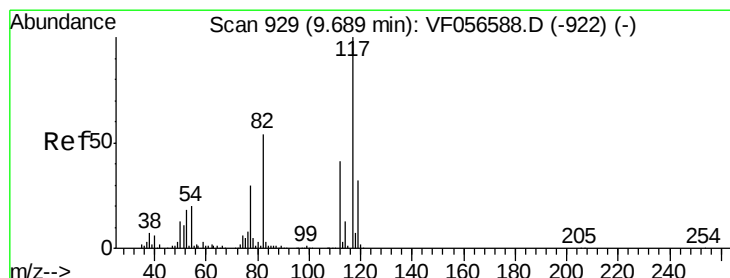
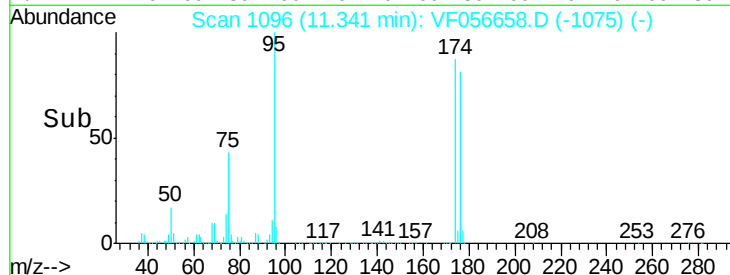
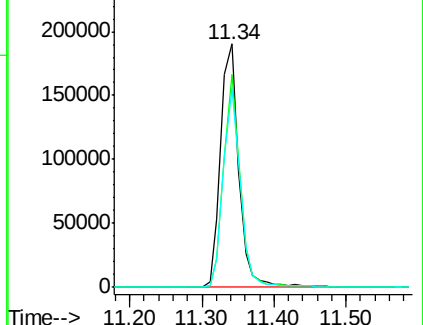
176 81.4 0.0 157.2



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: 50.00 ug/l

RT: 9.68 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

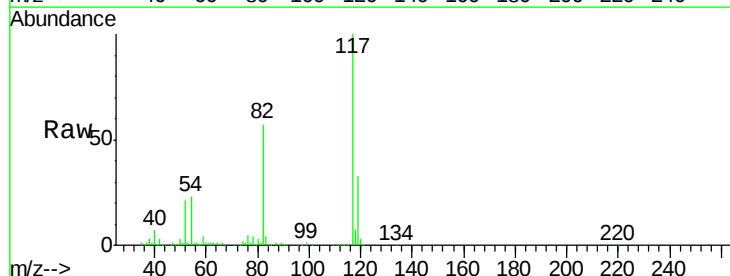
Tgt Ion: 117 Resp: 680884

Ion Ratio Lower Upper

117 100

82 57.2 43.0 64.6

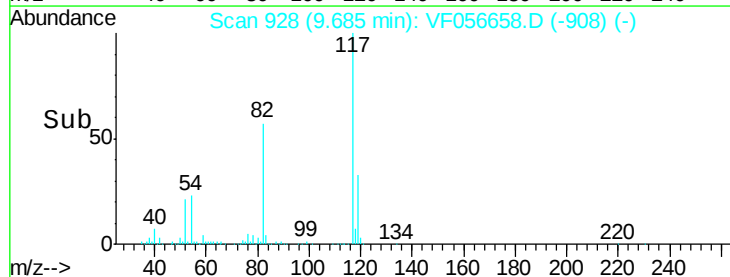
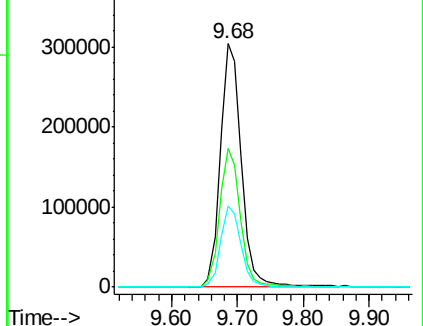
119 33.0 25.5 38.3

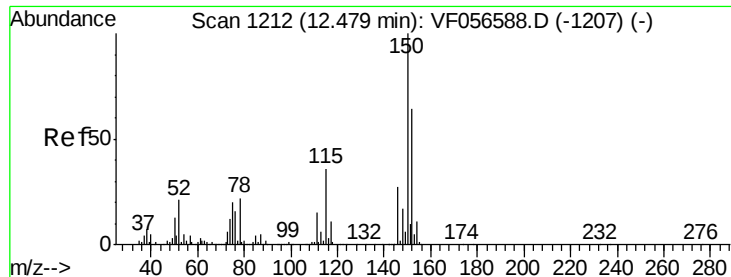


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

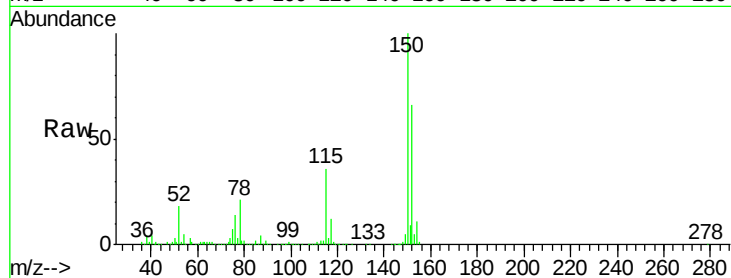
Tgt Ion: 152 Resp: 367377

Ion Ratio Lower Upper

152 100

115 54.4 28.1 84.3

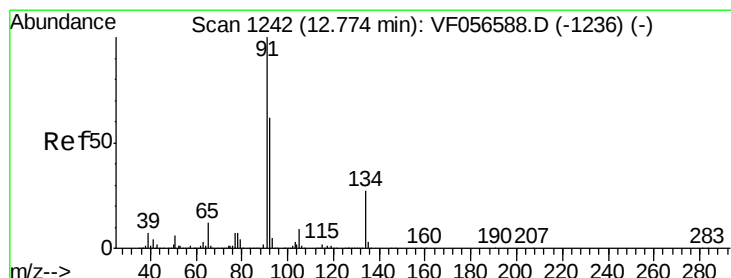
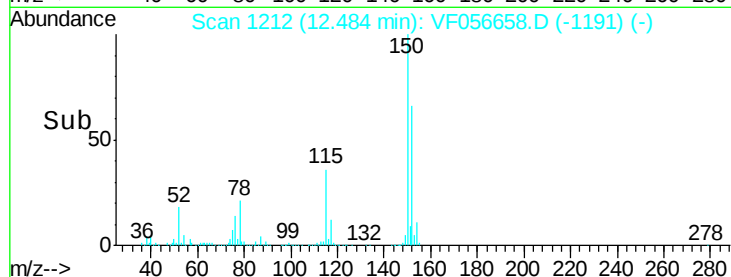
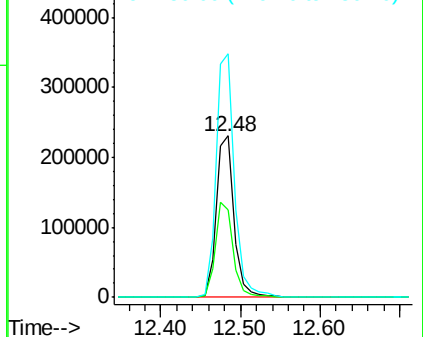
150 150.9 0.0 315.6



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



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.78 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VF056658.D

Acq: 23 Feb 2018 16:07

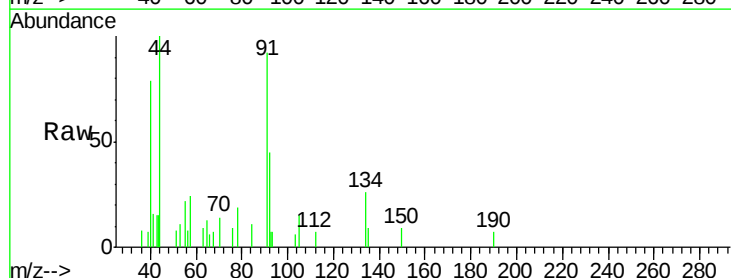
Tgt Ion: 91 Resp: 2177

Ion Ratio Lower Upper

91 100

92 48.5 30.9 92.7

134 28.6 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

