

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056660.D
 Acq On : 23 Feb 2018 17:02
 Operator : JC/SY
 Sample : J1398-05
 Misc : 6.80g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-022218

Quant Time: Feb 24 00:48:18 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	4.79	168	439278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	660311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	583764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	253346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	223728	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	4.03	113	233320	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	7.49	98	587903	39.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	78.98%	
62) 4-Bromofluorobenzene	11.34	95	265654	39.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.46%	

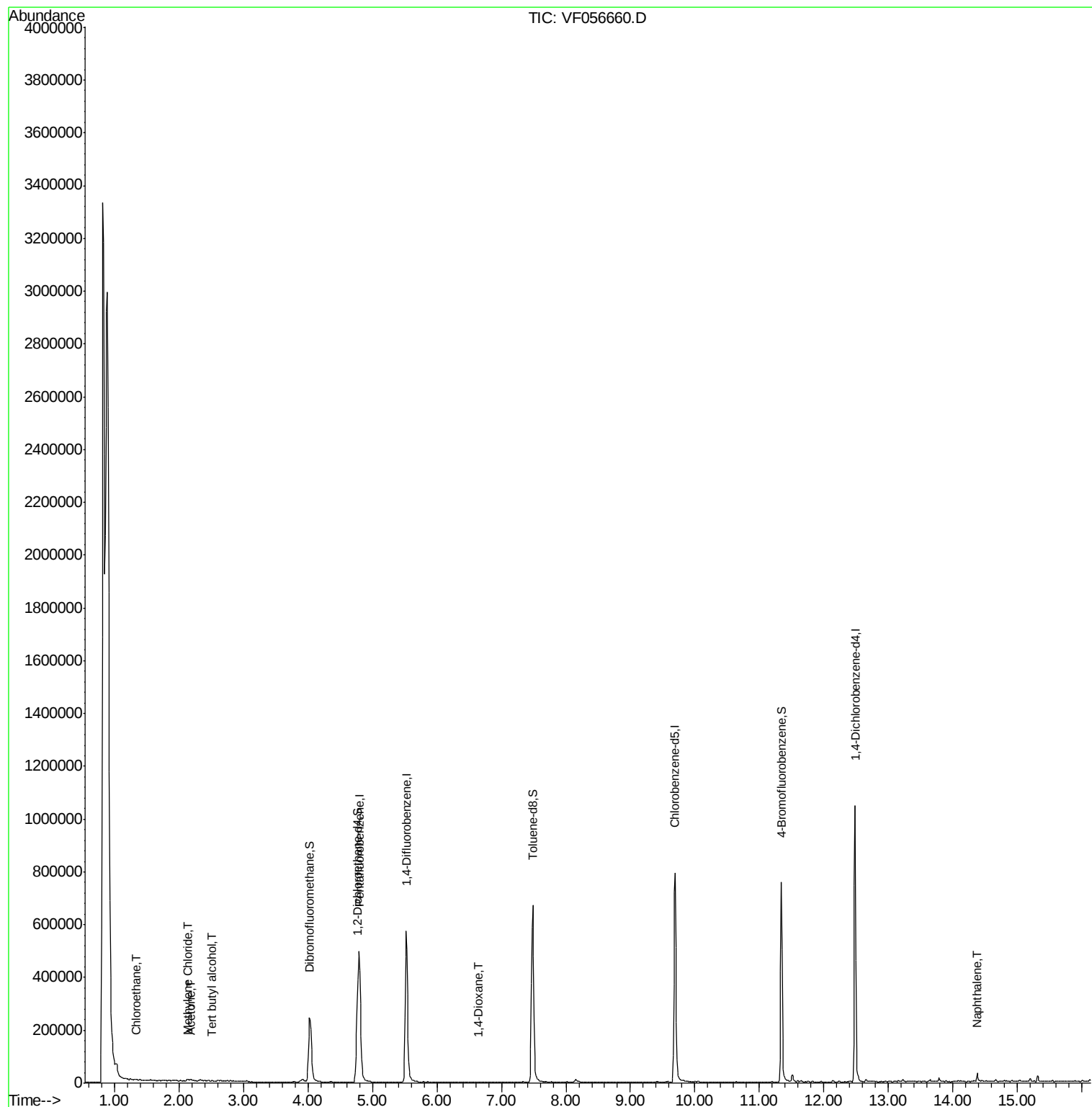
Target Compounds						Qvalue
6) Chloroethane	1.35	64	72	1.59	ug/l #	43
11) Tert butyl alcohol	2.50	59	736	2.05	ug/l #	67
16) Acetone	2.18	43	8556	5.47	ug/l	94
18) Methyl Acetate	2.30	43	981	Below Cal	#	64
20) Methylene Chloride	2.14	84	3001	1.01	ug/l #	53
28) Bromochloromethane	3.55	49	84	Below Cal	#	10
49) 1,4-Dioxane	6.65	88	124	3.01	ug/l #	1
89) n-Butylbenzene	12.78	91	1194	Below Cal		74
95) Naphthalene	14.38	128	22091	1.62	ug/l #	94

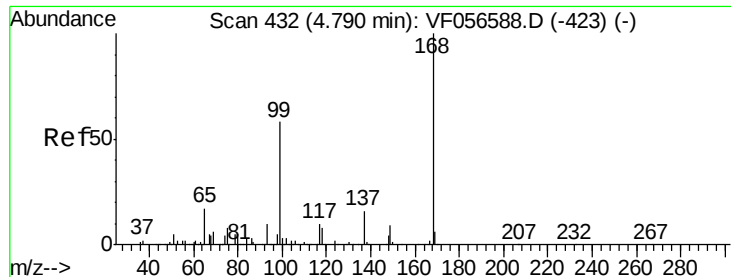
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

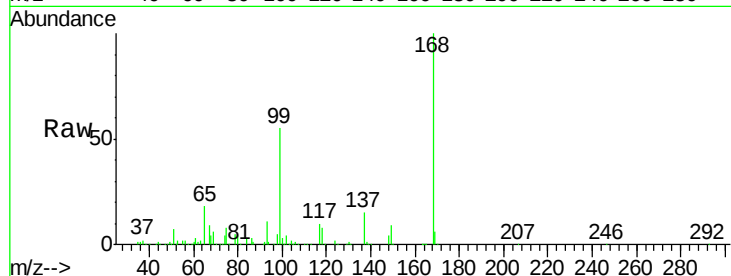
OK-01-022218

Tgt Ion:168 Resp: 439278

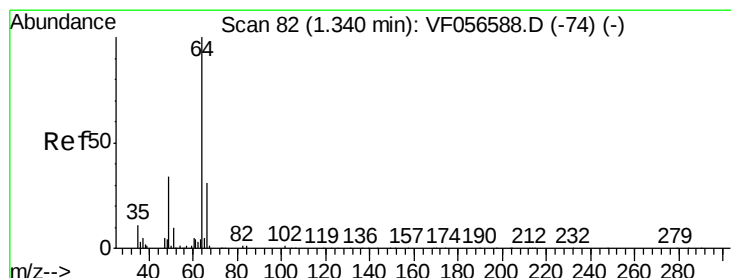
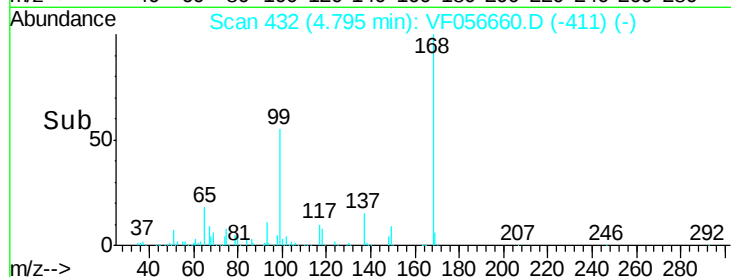
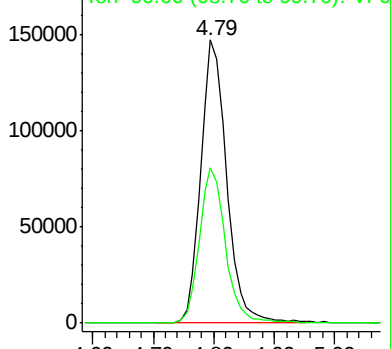
Ion Ratio Lower Upper

168 100

99 54.8 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#6

Chloroethane

Concen: 1.59 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF056660.D

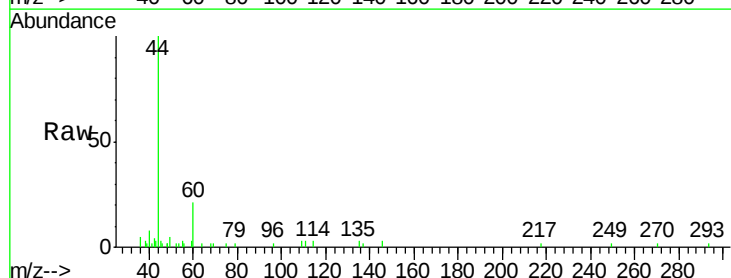
Acq: 23 Feb 2018 17:02

Tgt Ion: 64 Resp: 72

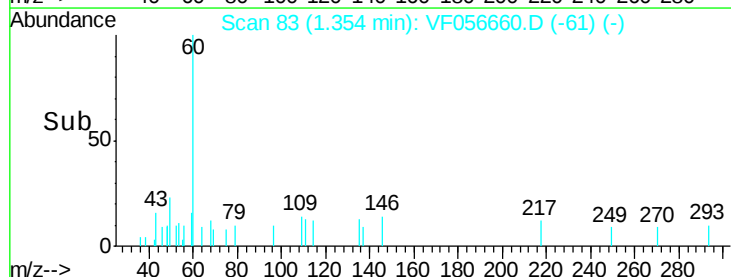
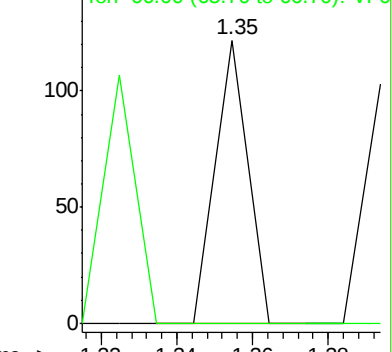
Ion Ratio Lower Upper

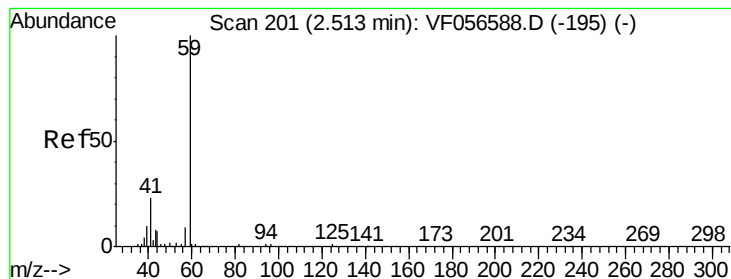
64 100

66 0.0 25.4 38.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0





#11

Tert butyl alcohol

Concen: 2.05 ug/l

RT: 2.50 min Scan# 199

Delta R.T. -0.02 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

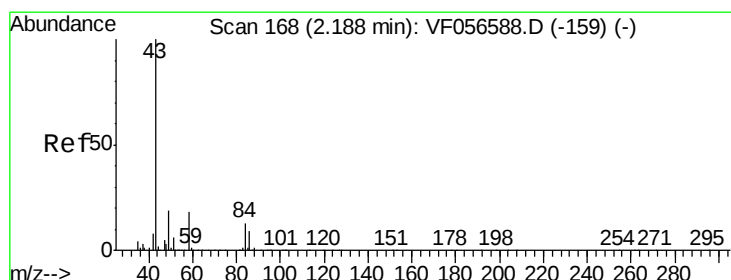
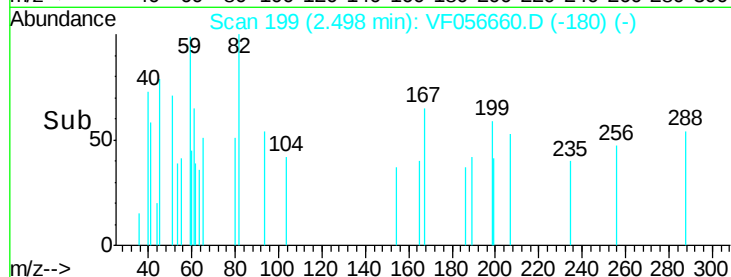
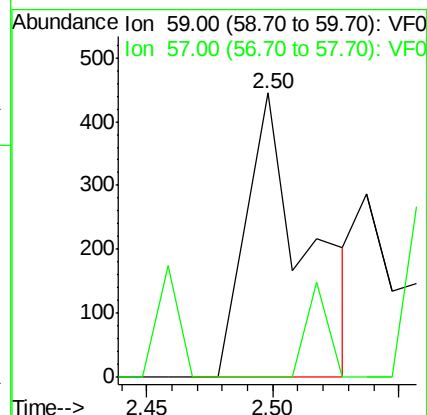
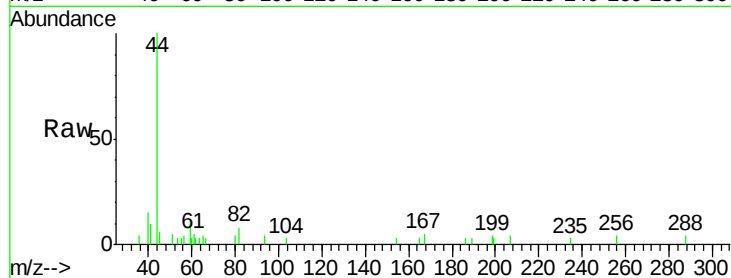
OK-01-022218

Tgt Ion: 59 Resp: 736

Ion Ratio Lower Upper

59 100

57 0.0 10.3 15.5#



#16

Acetone

Concen: 5.47 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF056660.D

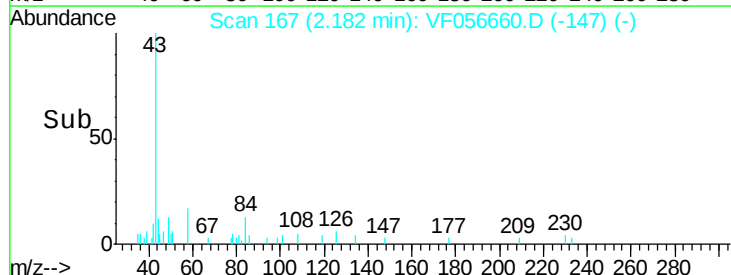
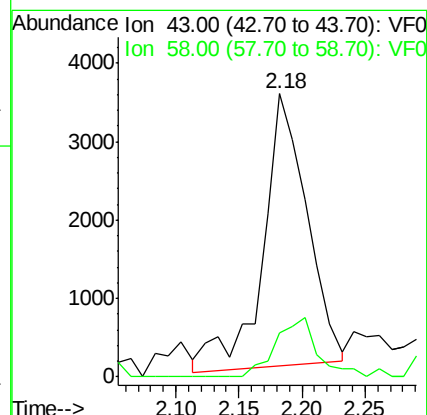
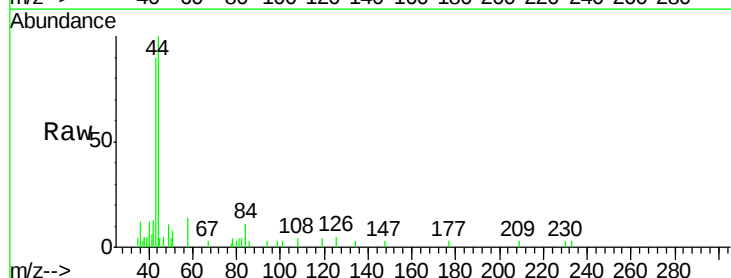
Acq: 23 Feb 2018 17:02

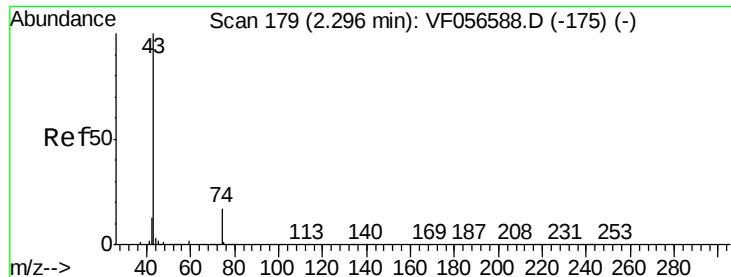
Tgt Ion: 43 Resp: 8556

Ion Ratio Lower Upper

43 100

58 15.7 14.7 22.1

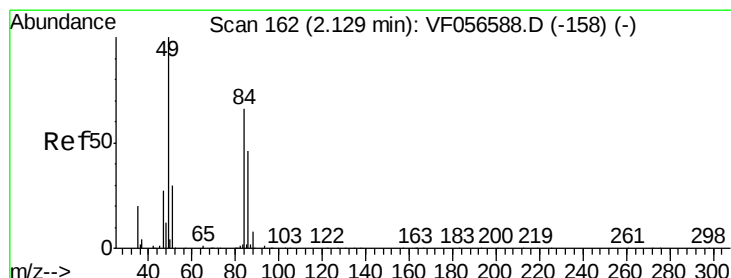
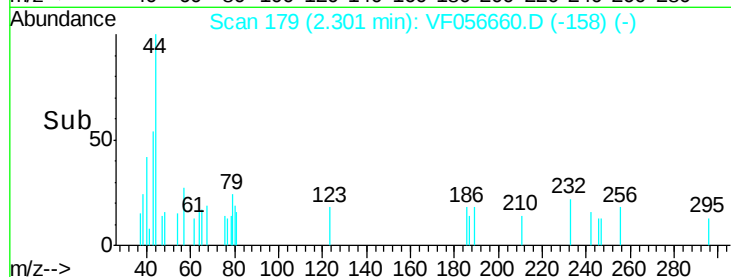
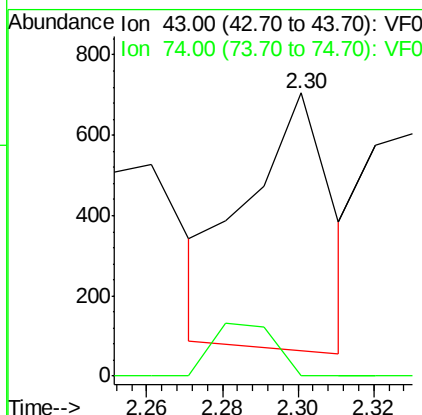
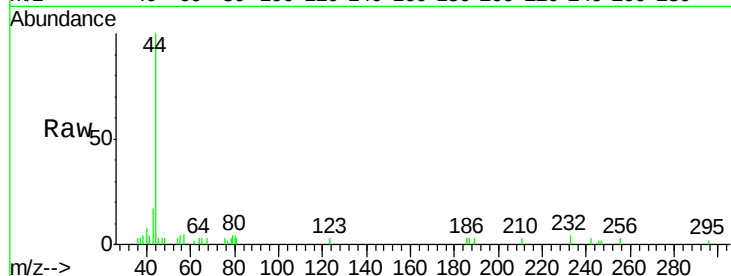




#18
Methyl Acetate
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. 0.00 min
Lab File: VF056660.D
Acq: 23 Feb 2018 17:02

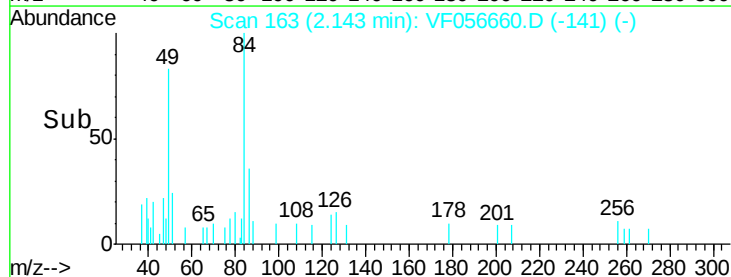
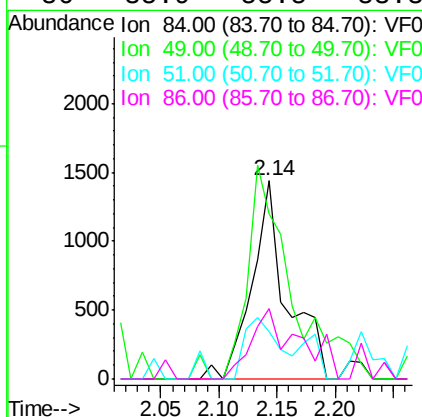
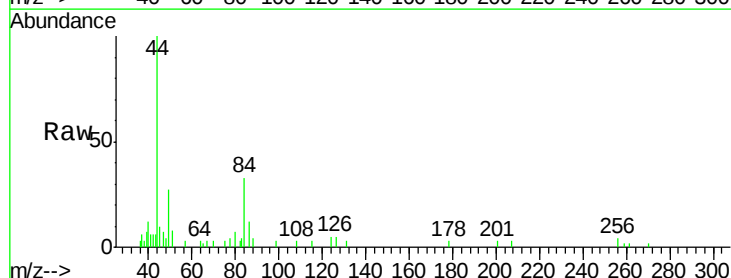
Instrument :
MSVOA_F
ClientSampleId :
OK-01-022218

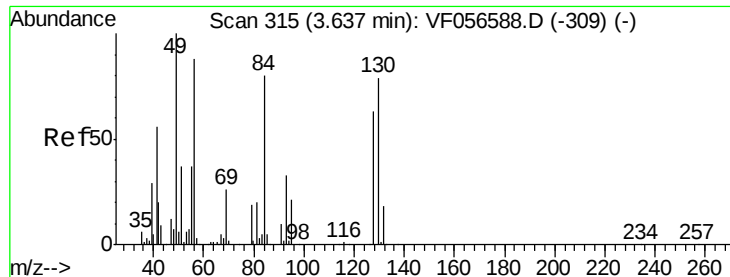
Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 1.01 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF056660.D
Acq: 23 Feb 2018 17:02

Tgt Ion: 84 Resp: 3001
Ion Ratio Lower Upper
84 100
49 83.3 121.4 182.0#
51 23.9 37.1 55.7#
86 35.9 55.5 83.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.55 min Scan# 306

Delta R.T. -0.08 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

OK-01-022218

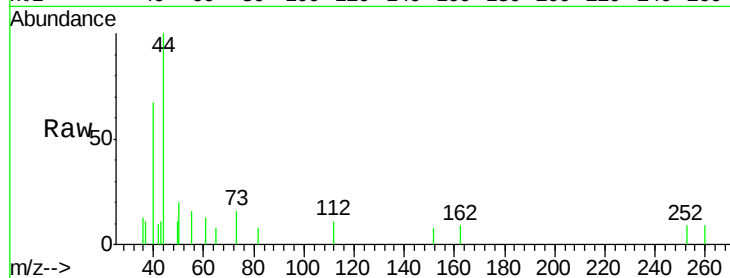
Tgt Ion: 49 Resp: 84

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

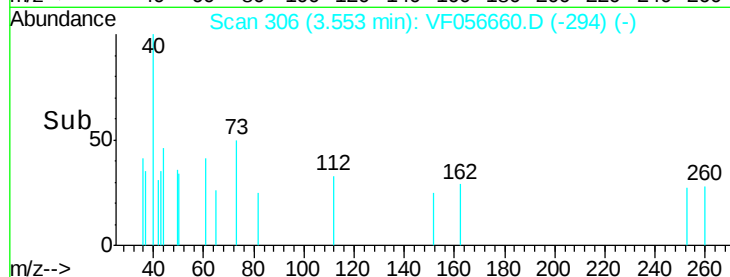
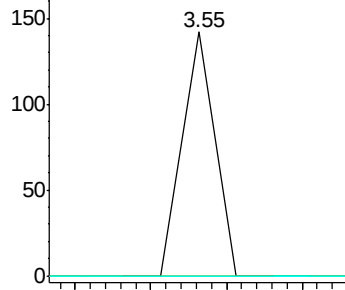
130 0.0 63.4 95.0#



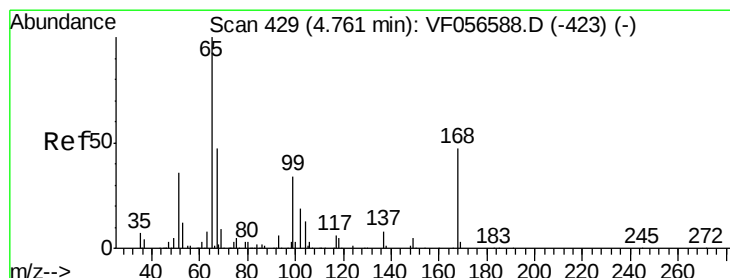
Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.13 ug/l

RT: 4.76 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF056660.D

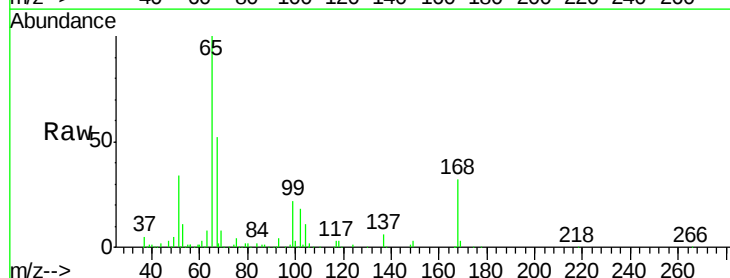
Acq: 23 Feb 2018 17:02

Tgt Ion: 65 Resp: 223728

Ion Ratio Lower Upper

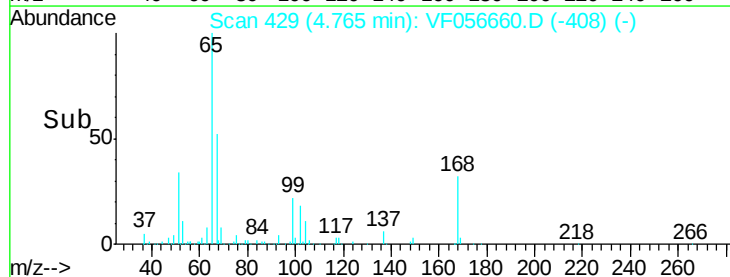
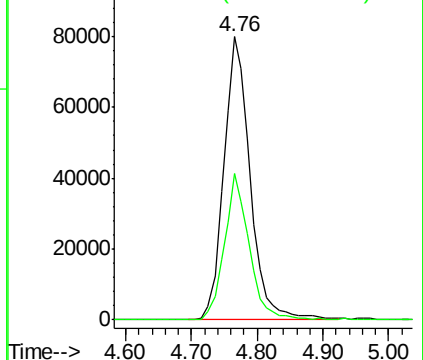
65 100

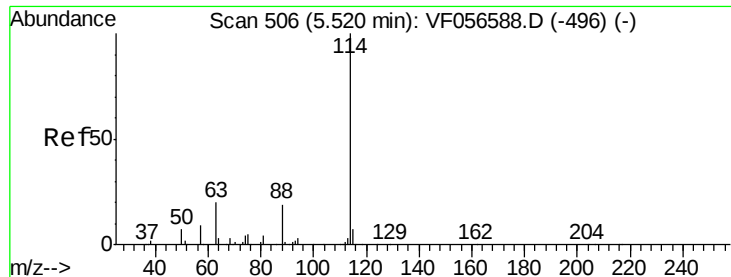
67 51.8 0.0 103.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.52 min Scan# 506

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

OK-01-022218

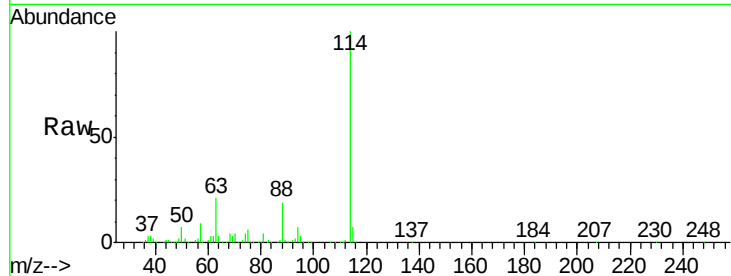
Tgt Ion:114 Resp: 660311

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

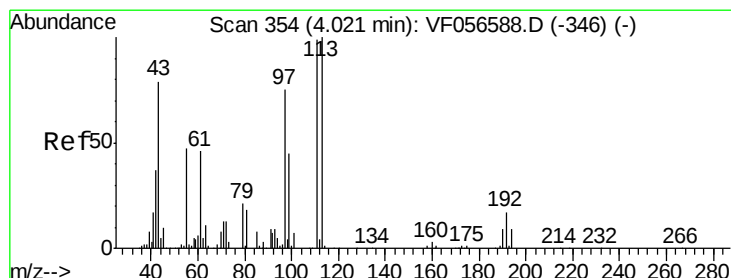
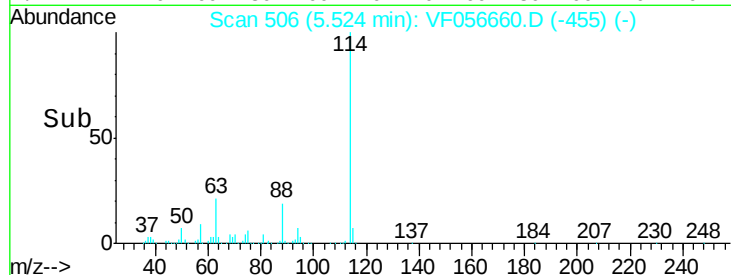
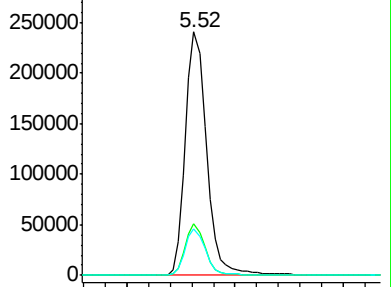
88 19.3 0.0 37.8



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: 46.98 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

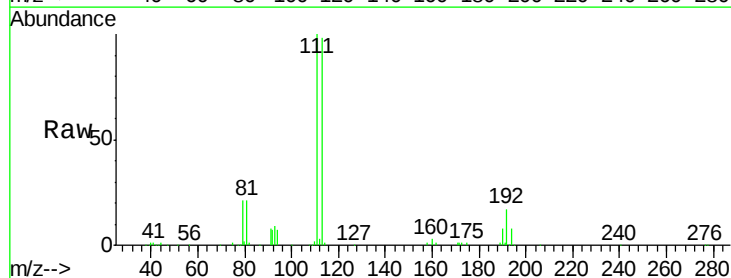
Tgt Ion:113 Resp: 233320

Ion Ratio Lower Upper

113 100

111 101.7 79.1 118.7

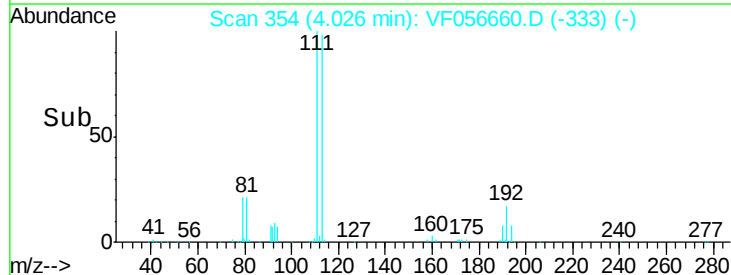
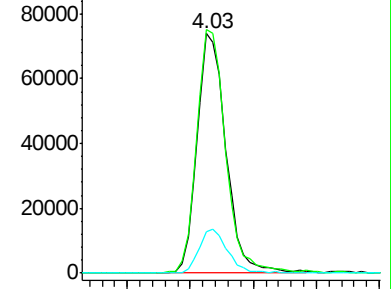
192 17.4 13.9 20.9

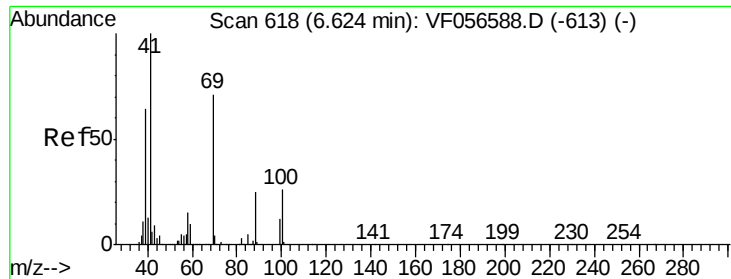


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

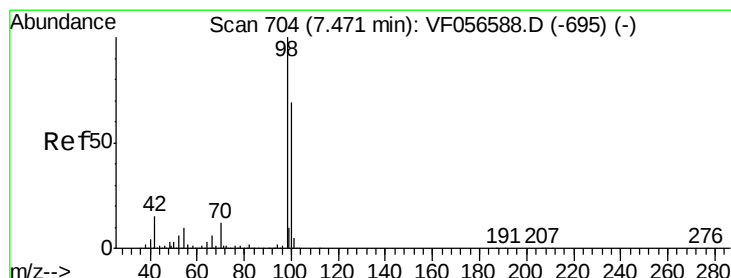
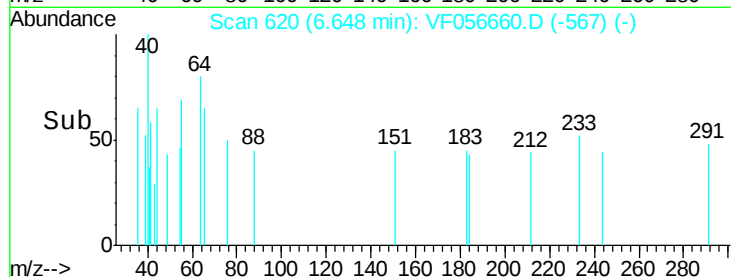
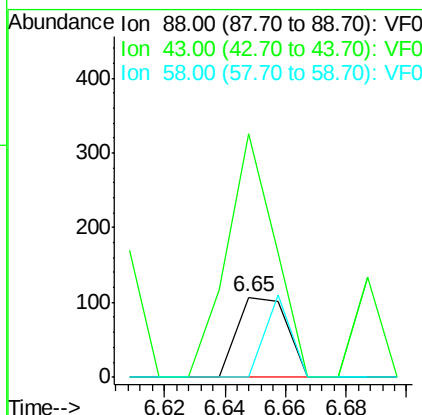
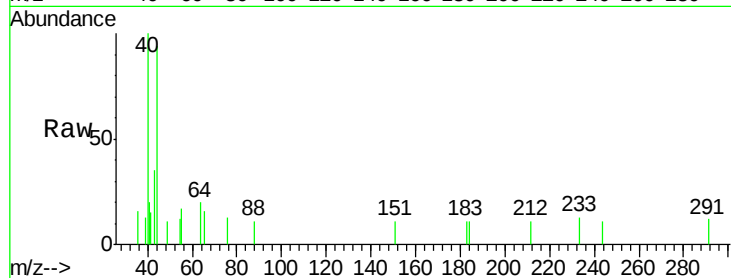




#49
1,4-Dioxane
Concen: 3.01 ug/l
RT: 6.65 min Scan# 620
Delta R.T. 0.02 min
Lab File: VF056660.D
Acq: 23 Feb 2018 17:02

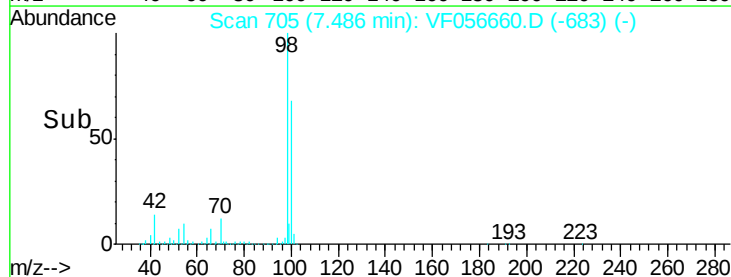
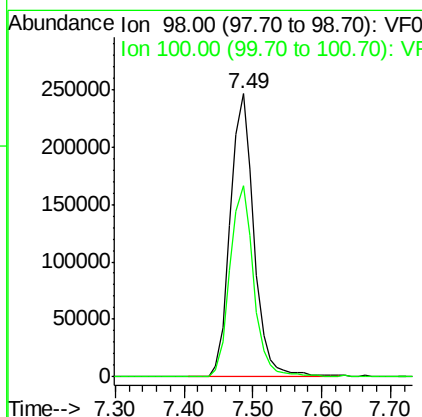
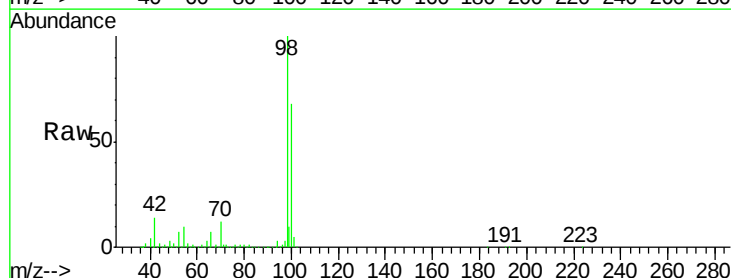
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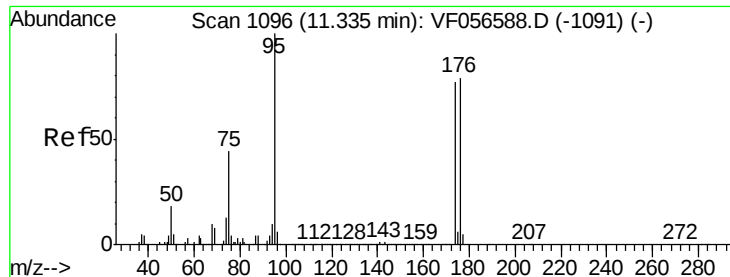
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 304.7 30.8 46.2#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 39.49 ug/l
RT: 7.49 min Scan# 705
Delta R.T. 0.01 min
Lab File: VF056660.D
Acq: 23 Feb 2018 17:02

Tgt Ion: 98 Resp: 587903
Ion Ratio Lower Upper
98 100
100 67.6 55.4 83.0





#62

4-Bromofluorobenzene

Concen: 39.23 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

OK-01-022218

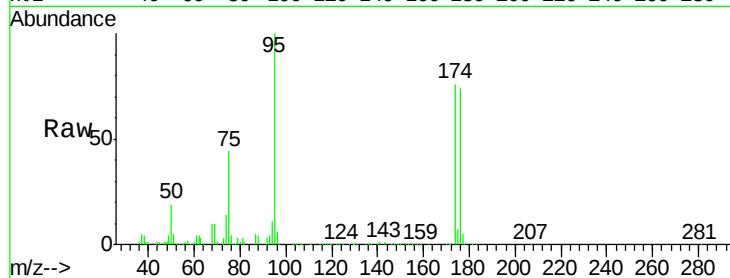
Tgt Ion: 95 Resp: 265654

Ion Ratio Lower Upper

95 100

174 76.4 0.0 154.2

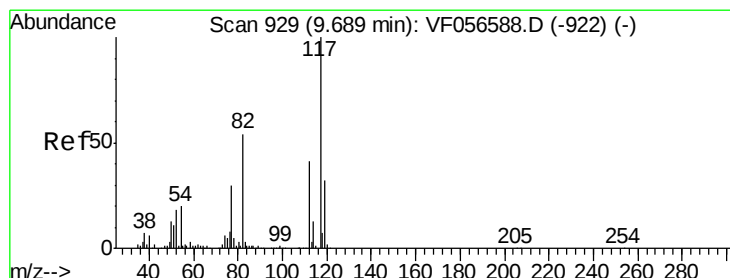
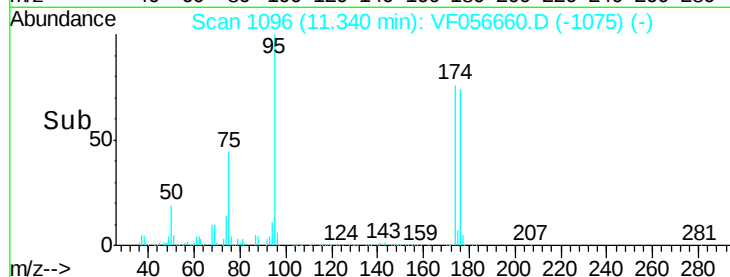
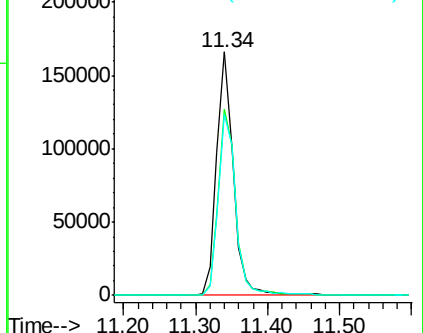
176 74.2 0.0 157.2



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: 9.69 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

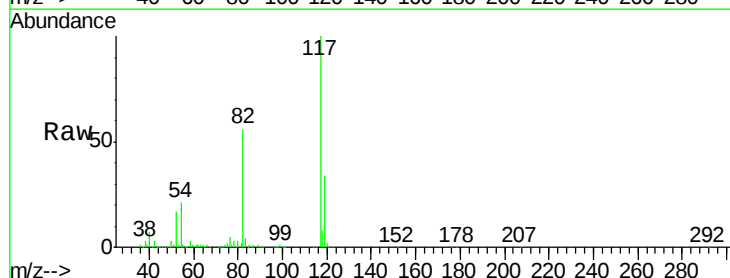
Tgt Ion: 117 Resp: 583764

Ion Ratio Lower Upper

117 100

82 56.3 43.0 64.6

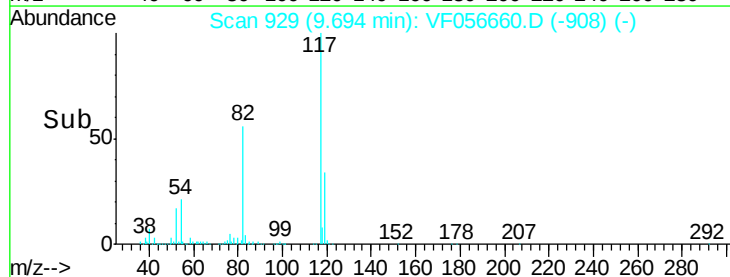
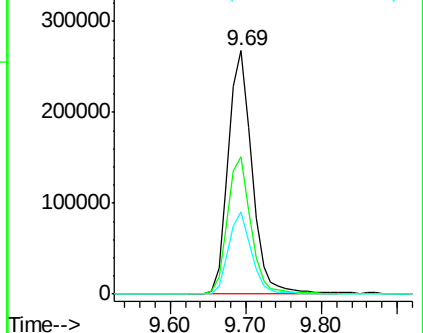
119 34.1 25.5 38.3

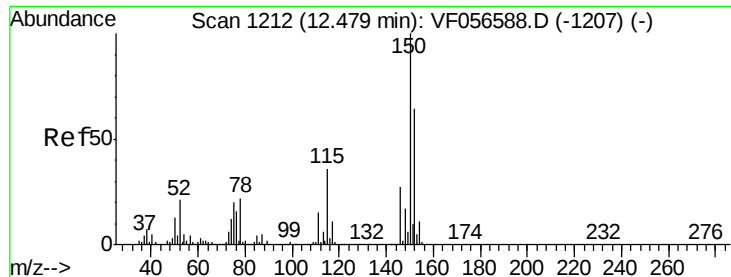


Abundance Ion 117.00 (116.70 to 117.70): VF0

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. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

OK-01-022218

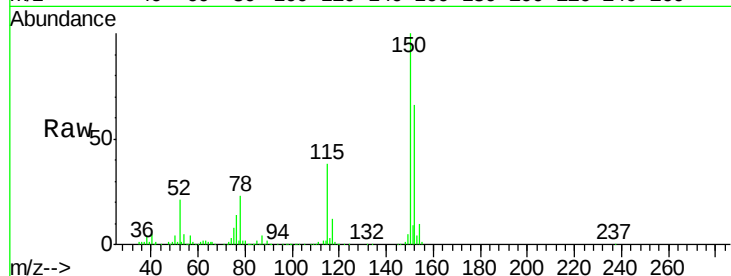
Tgt Ion:152 Resp: 253346

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.3

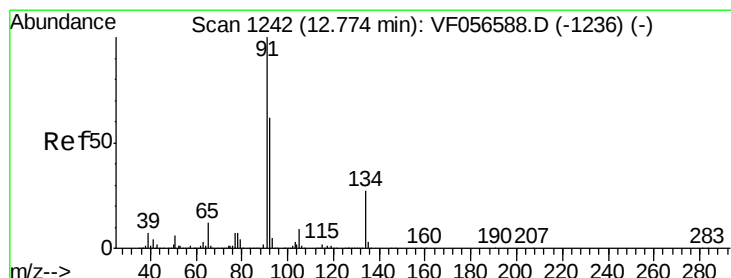
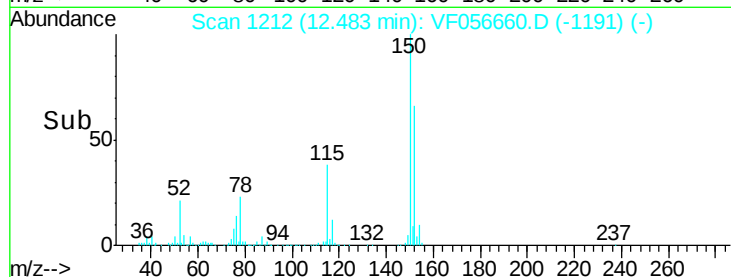
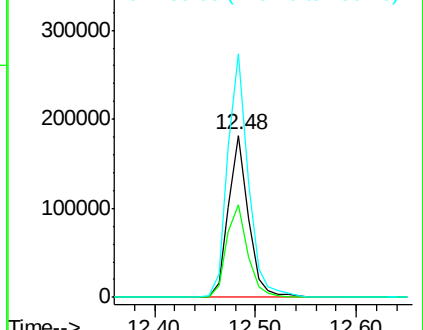
150 150.4 0.0 315.6



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. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

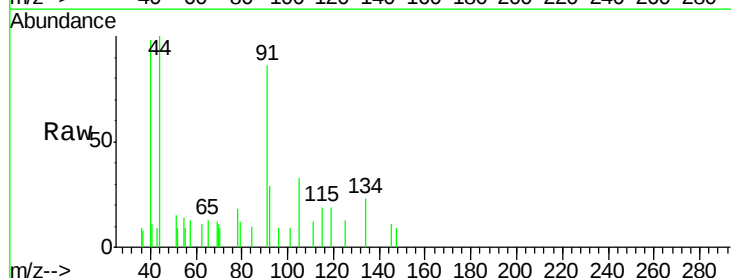
Tgt Ion: 91 Resp: 1194

Ion Ratio Lower Upper

91 100

92 33.5 30.9 92.7

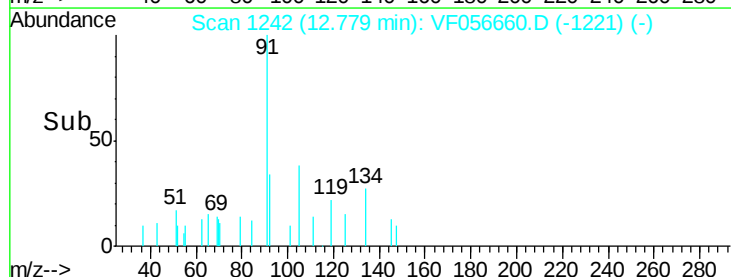
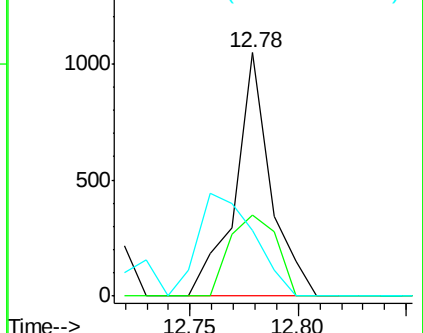
134 27.0 13.7 41.0

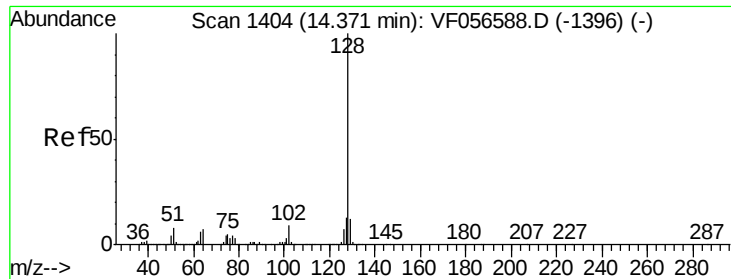


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.62 ug/l

RT: 14.38 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF056660.D

Acq: 23 Feb 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

OK-01-022218

Tgt Ion:128 Resp: 22091

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

129 8.9 9.4 14.0#

