

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056657.D
 Acq On : 23 Feb 2018 15:39
 Operator : JC/SY
 Sample : J1638-01
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

Quant Time: Feb 24 00:47:43 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	445059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	668525	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	651300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	344970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.76	65	251995	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	4.03	113	245658	48.86	ug/l	0.01
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	7.47	98	687818	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
62) 4-Bromofluorobenzene	11.34	95	341506	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	

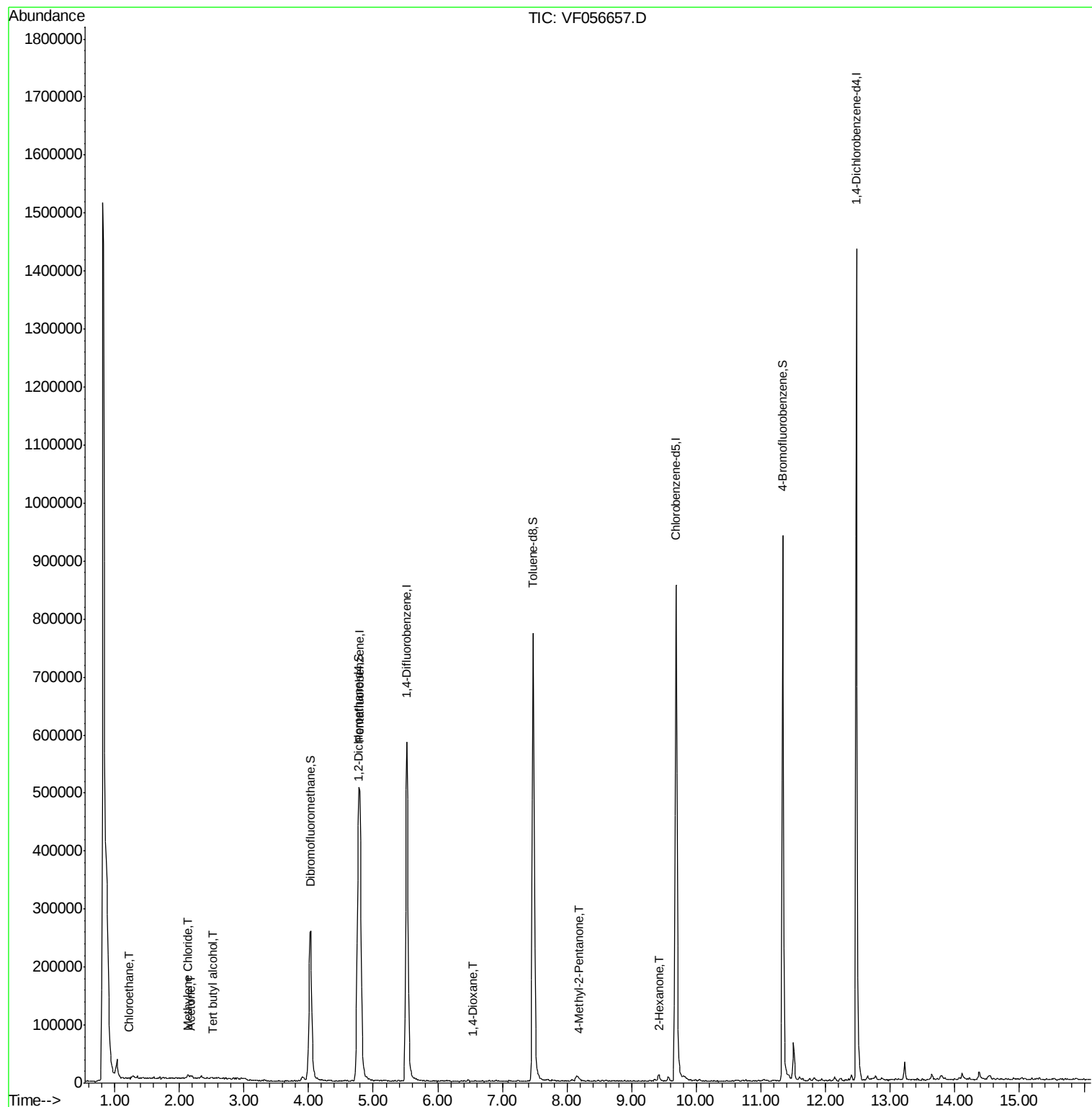
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.23	64	63	1.58	ug/l #	43
11) Tert butyl alcohol	2.50	59	1091	3.00	ug/l #	66
16) Acetone	2.19	43	6399	4.04	ug/l	94
18) Methyl Acetate	2.29	43	1005	Below Cal	#	64
20) Methylene Chloride	2.14	84	3231	1.07	ug/l #	78
28) Bromochloromethane	3.61	49	97	Below Cal	#	10
49) 1,4-Dioxane	6.54	88	87	2.09	ug/l #	26
51) 4-Methyl-2-Pentanone	8.19	43	4949	1.05	ug/l #	80
59) 2-Hexanone	9.42	43	10068	2.63	ug/l	94
89) n-Butylbenzene	12.78	91	3344	Below Cal		94

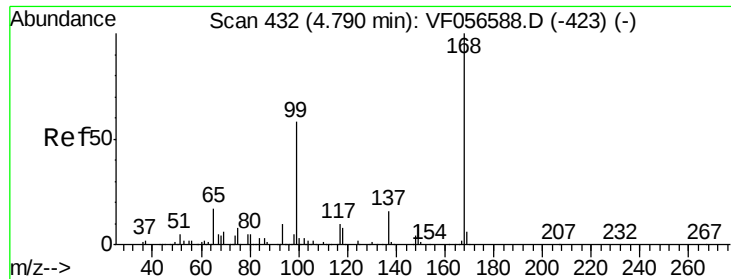
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF056657.D

Acq: 23 Feb 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

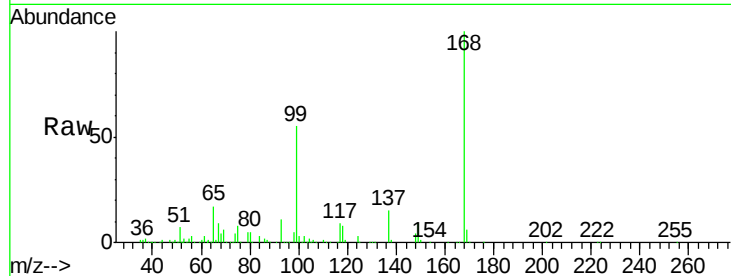
3-4-DENSE-GRADE-AGG-RCA

Tgt Ion:168 Resp: 445059

Ion Ratio Lower Upper

168 100

99 55.4 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

150000

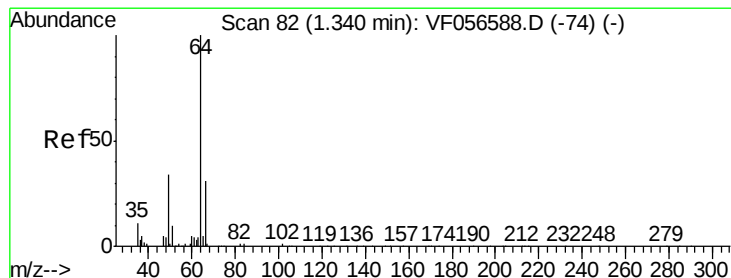
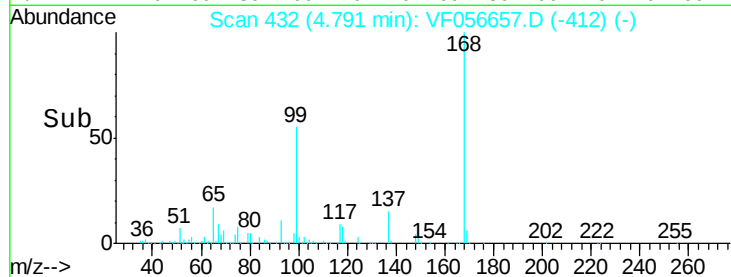
100000

50000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#6

Chloroethane

Concen: 1.58 ug/l

RT: 1.23 min Scan# 71

Delta R.T. -0.11 min

Lab File: VF056657.D

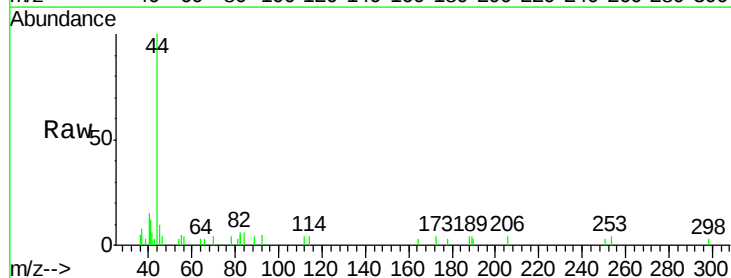
Acq: 23 Feb 2018 15:39

Tgt Ion: 64 Resp: 63

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

150

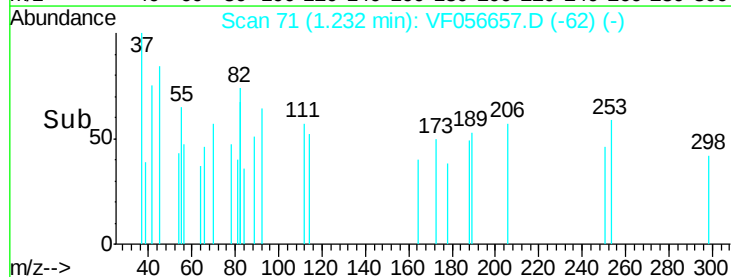
100

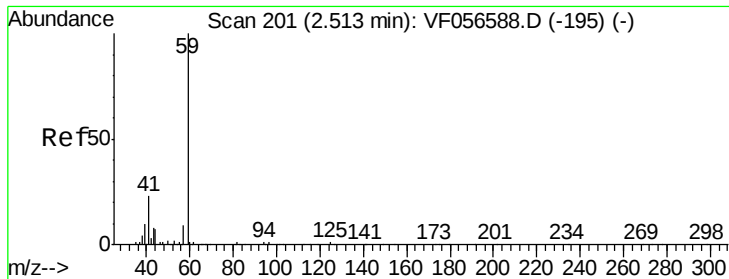
50

0

1.20 1.22 1.24 1.26

Time-->

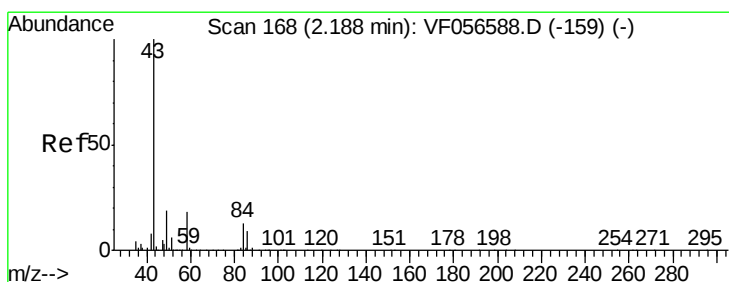
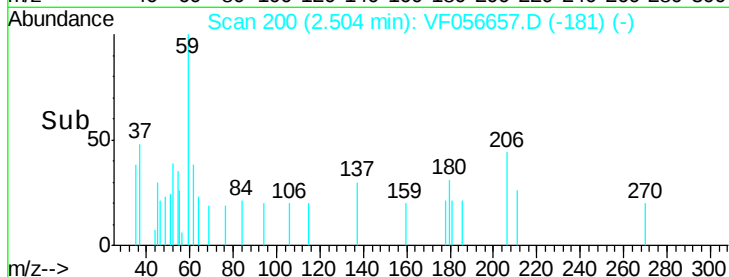
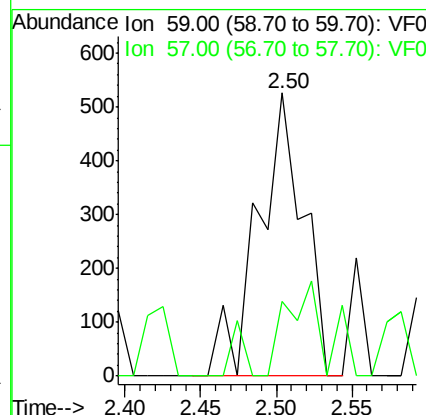
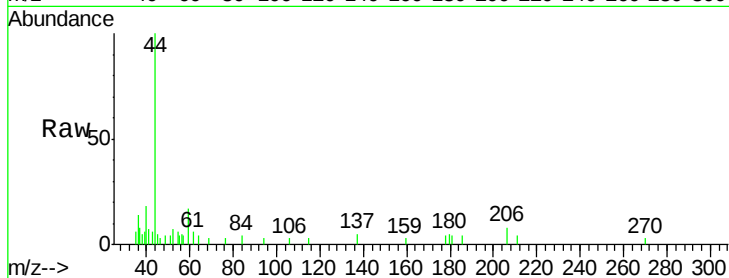




#11
Tert butyl alcohol
Concen: 3.00 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.01 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

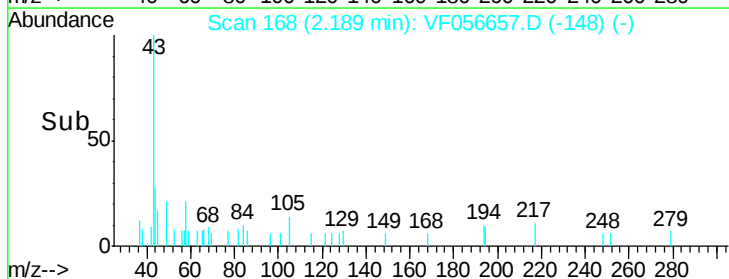
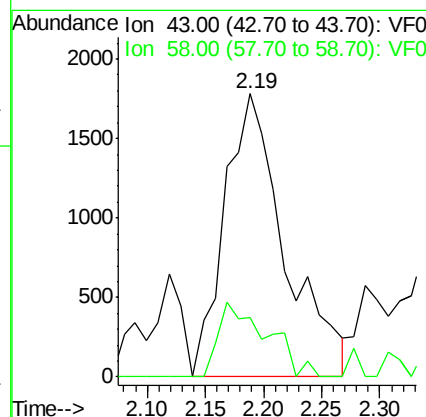
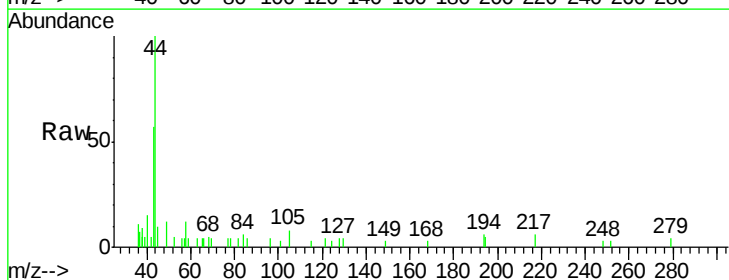
Instrument :
MSVOA_F
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3-4-DENSE-GRADE-AGG-RCA

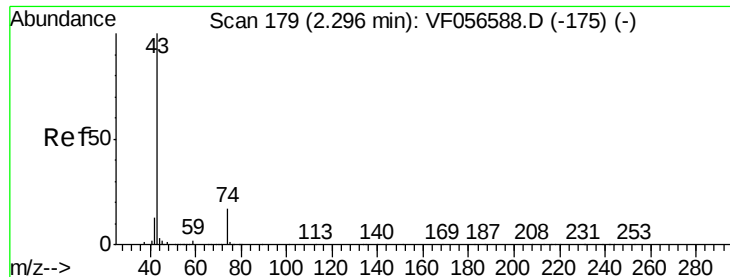
Tgt Ion: 59 Resp: 1091
Ion Ratio Lower Upper
59 100
57 26.2 10.3 15.5#



#16
Acetone
Concen: 4.04 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

Tgt Ion: 43 Resp: 6399
Ion Ratio Lower Upper
43 100
58 21.0 14.7 22.1

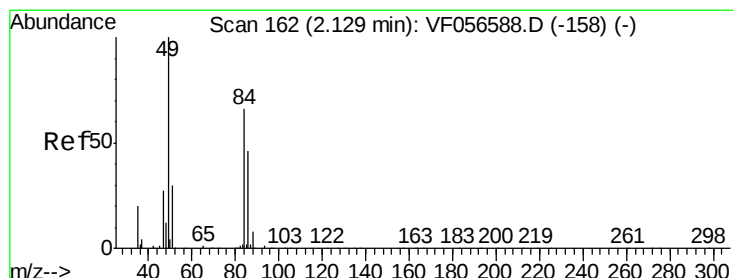
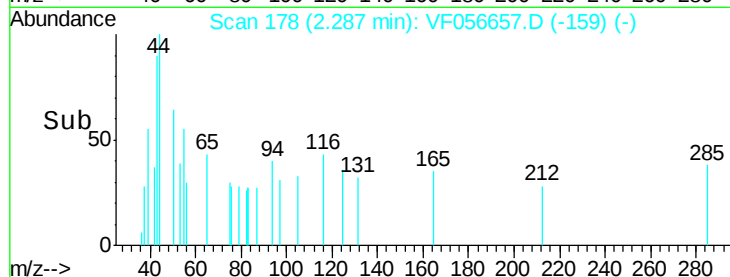
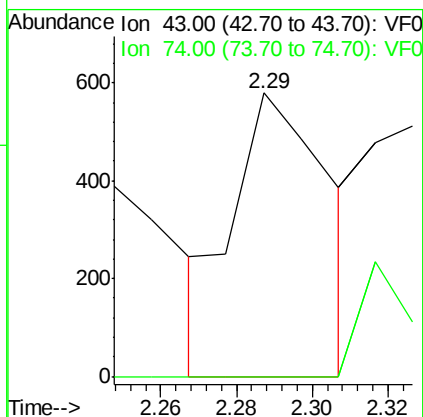
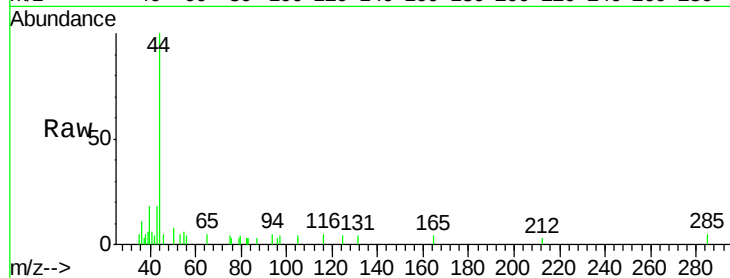




#18
Methyl Acetate
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. -0.01 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

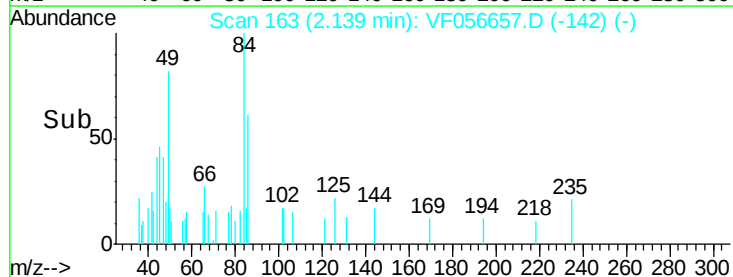
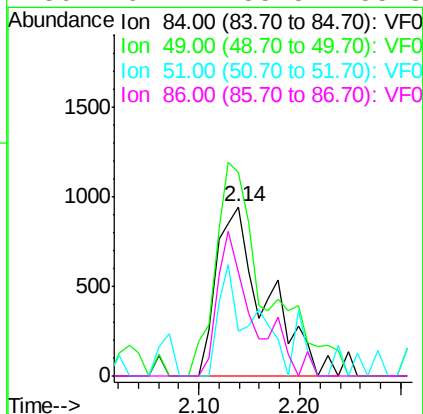
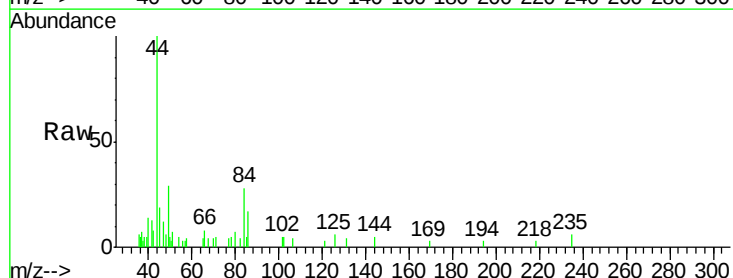
Instrument :
MSVOA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

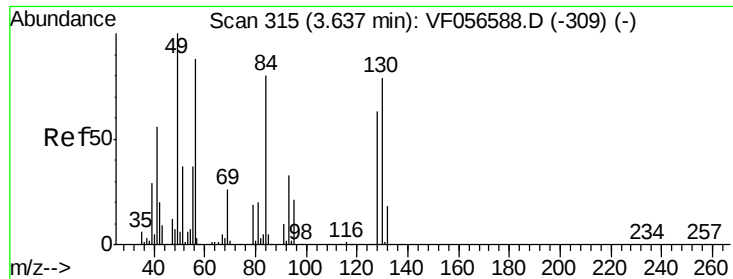
Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 1.07 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

Tgt Ion: 84 Resp: 3231
Ion Ratio Lower Upper
84 100
49 120.1 121.4 182.0#
51 26.2 37.1 55.7#
86 61.4 55.5 83.3





#28

Bromochloromethane

Concen: Below Cal

RT: 3.61 min Scan# 312

Delta R.T. -0.03 min

Lab File: VF056657.D

Acq: 23 Feb 2018 15:39

Instrument :

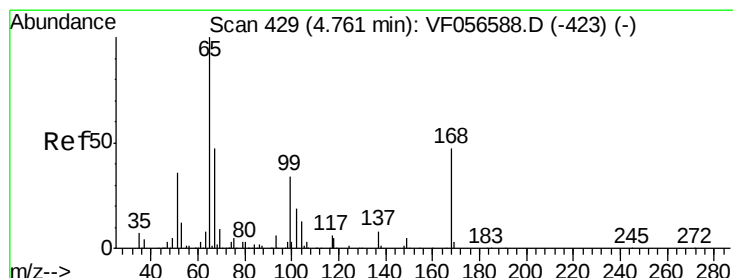
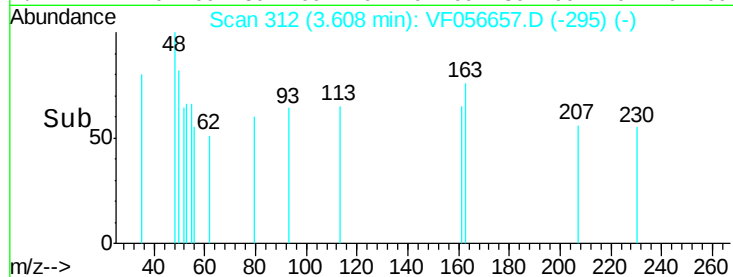
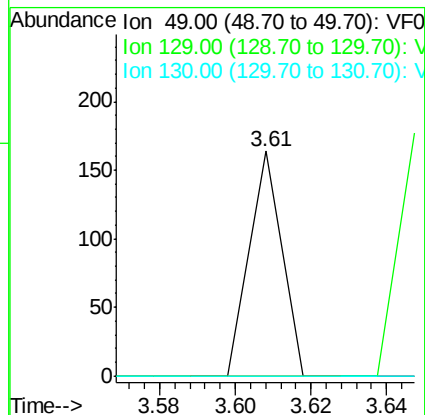
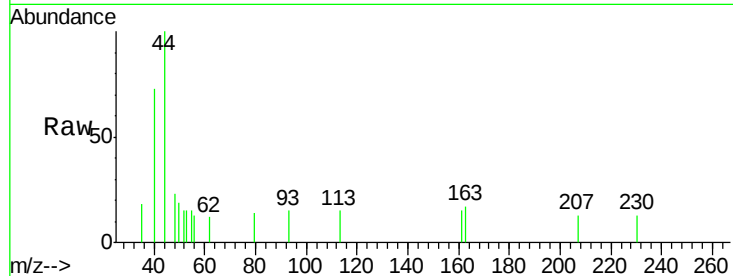
MSVOA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tgt Ion: 49 Resp: 97

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: 46.84 ug/l

RT: 4.76 min Scan# 429

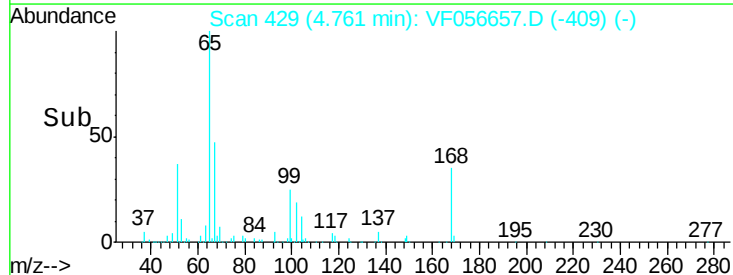
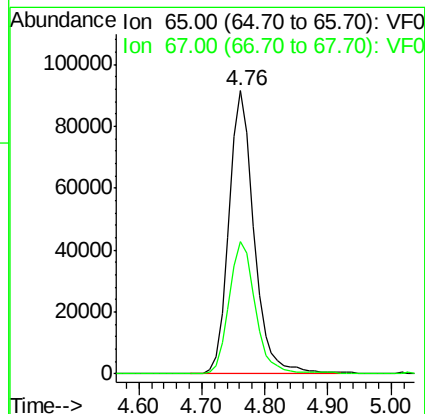
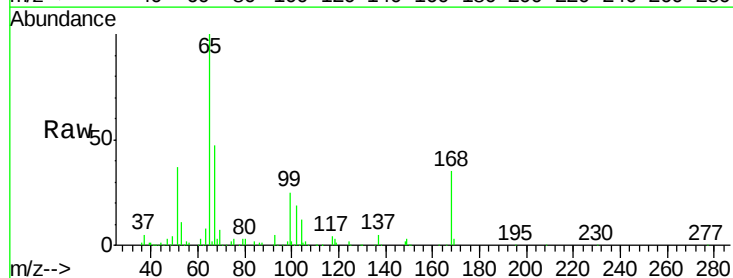
Delta R.T. 0.00 min

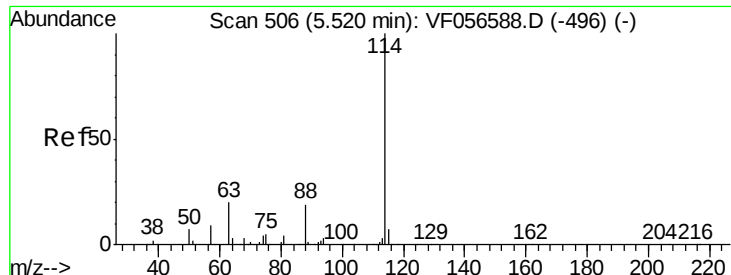
Lab File: VF056657.D

Acq: 23 Feb 2018 15:39

Tgt Ion: 65 Resp: 251995

Ion	Ratio	Lower	Upper
65	100		
67	46.9	0.0	103.0

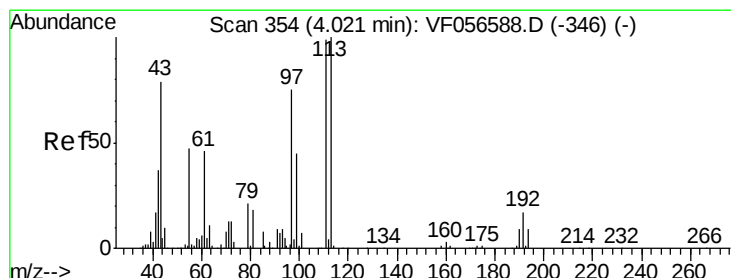
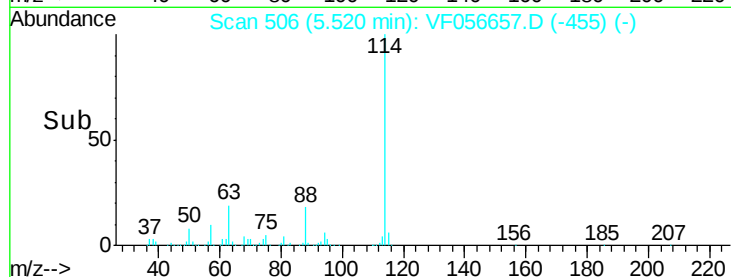
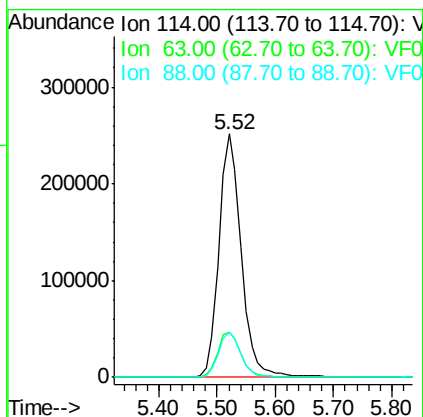
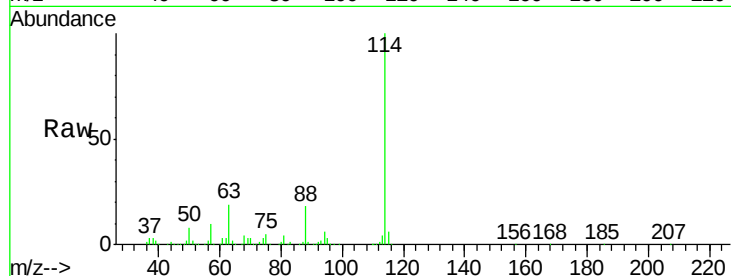




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.52 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

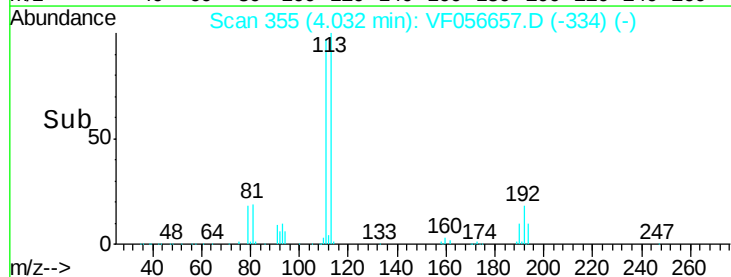
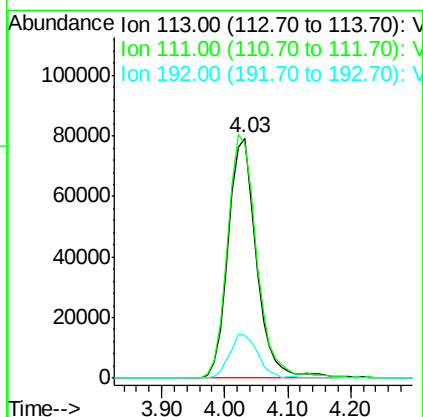
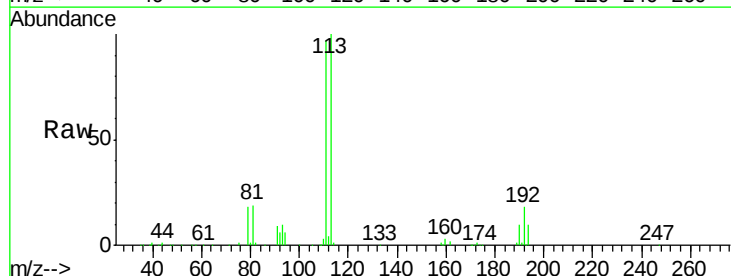
Instrument :
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3-4-DENSE-GRADE-AGG-RCA

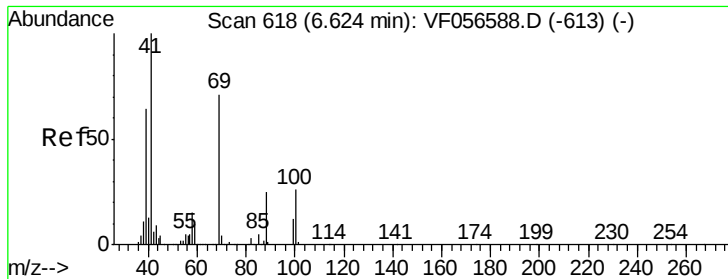
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	40.6
88	18.4	0.0	37.8



#35
Dibromofluoromethane
Concen: 48.86 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.4	79.1	118.7
192	18.0	13.9	20.9





#49

1,4-Dioxane

Concen: 2.09 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.09 min

Lab File: VF056657.D

Acq: 23 Feb 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

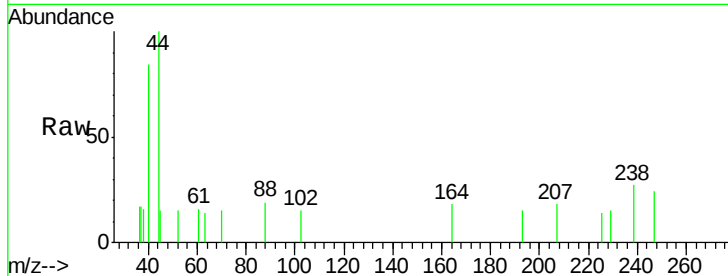
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 0.0 30.8 46.2#

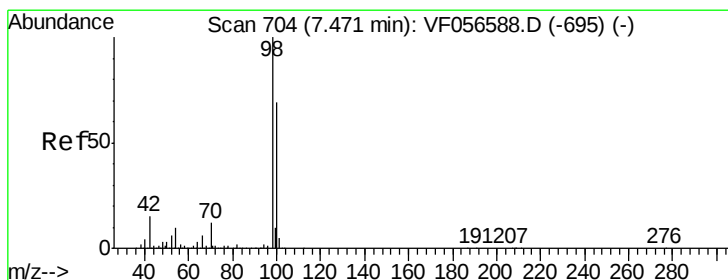
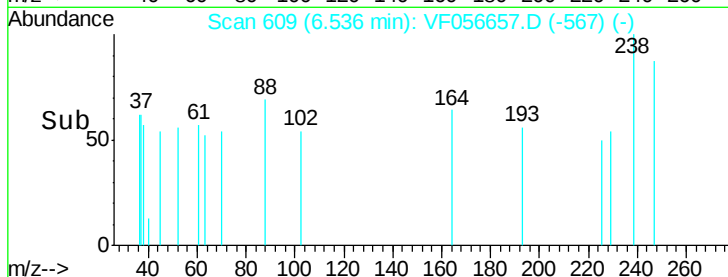
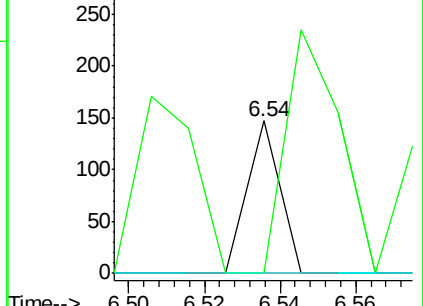
58 0.0 49.8 74.6#



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: 45.64 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF056657.D

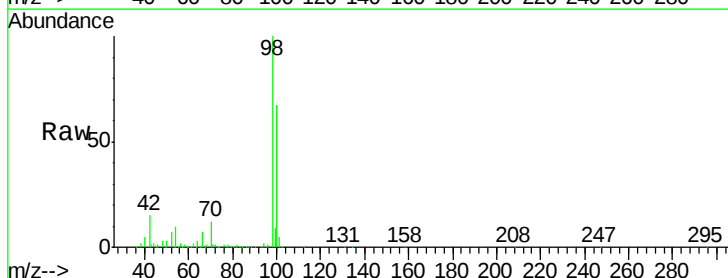
Acq: 23 Feb 2018 15:39

Tgt Ion: 98 Resp: 687818

Ion Ratio Lower Upper

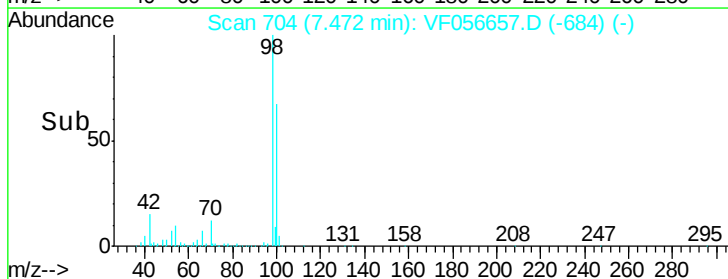
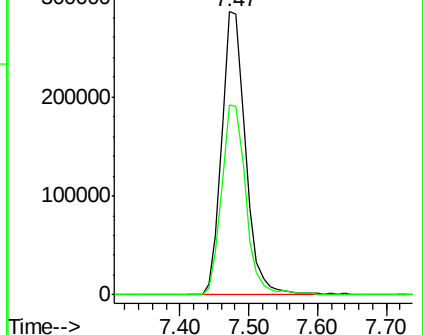
98 100

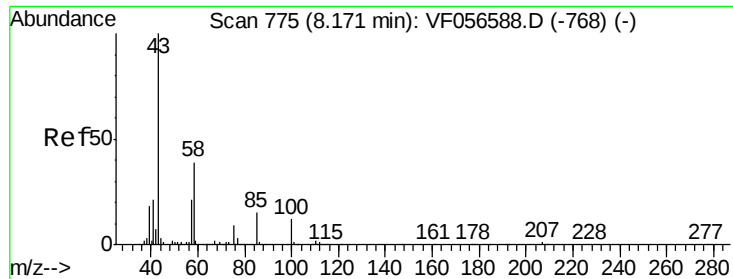
100 67.1 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

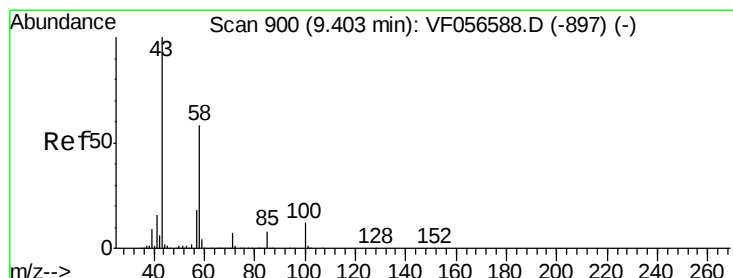
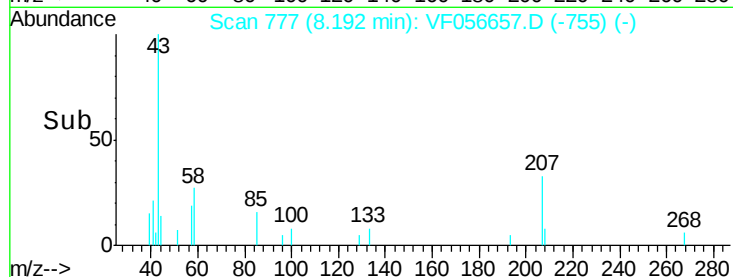
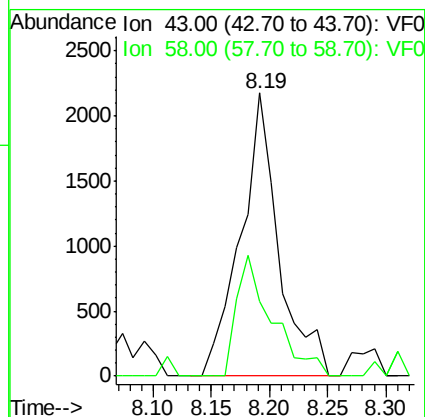
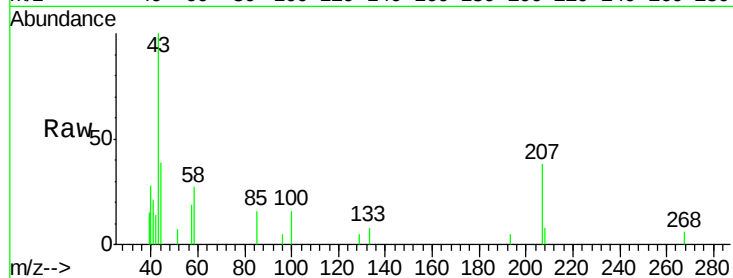




#51
 4-Methyl-2-Pentanone
 Concen: 1.05 ug/l
 RT: 8.19 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VF056657.D
 Acq: 23 Feb 2018 15:39

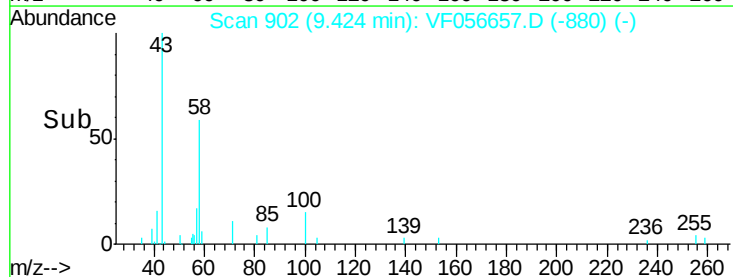
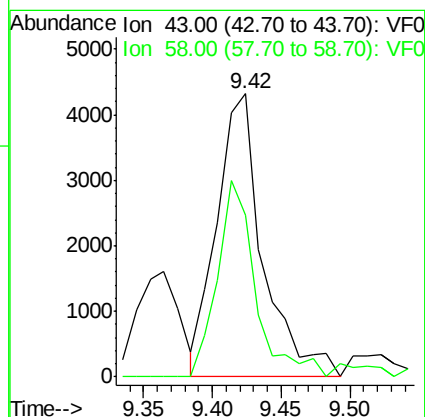
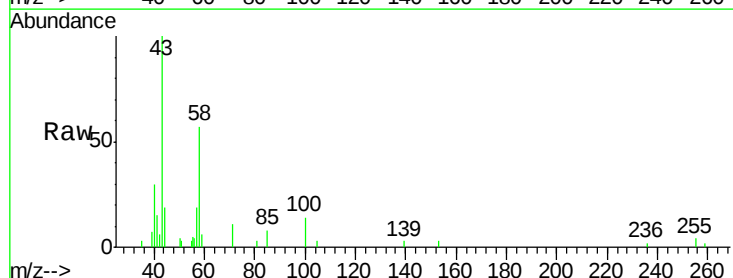
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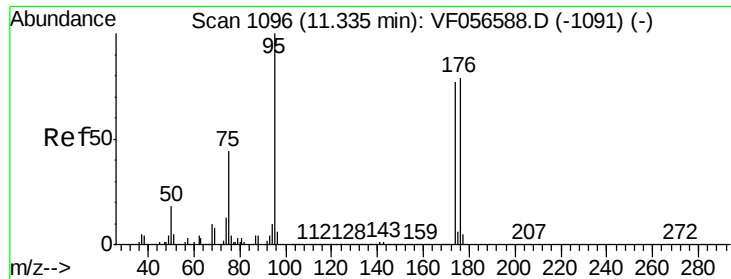
Tgt Ion: 43 Resp: 4949
 Ion Ratio Lower Upper
 43 100
 58 26.6 30.9 46.3#



#59
 2-Hexanone
 Concen: 2.63 ug/l
 RT: 9.42 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VF056657.D
 Acq: 23 Feb 2018 15:39

Tgt Ion: 43 Resp: 10068
 Ion Ratio Lower Upper
 43 100
 58 57.1 26.6 79.7

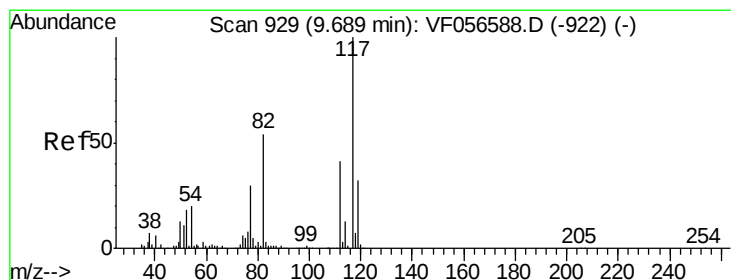
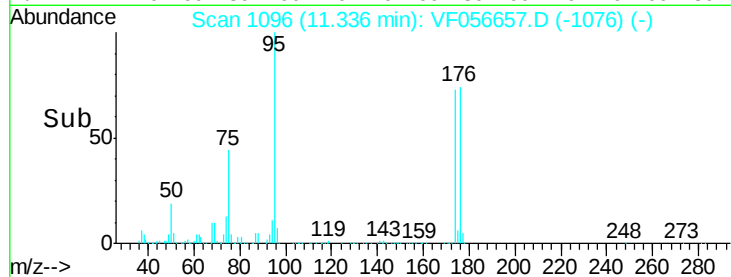
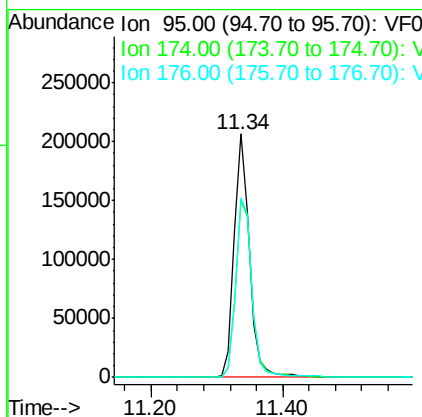
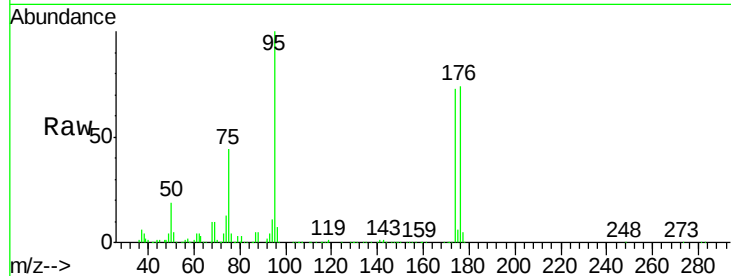




#62
4-Bromofluorobenzene
Concen: 49.81 ug/l
RT: 11.34 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

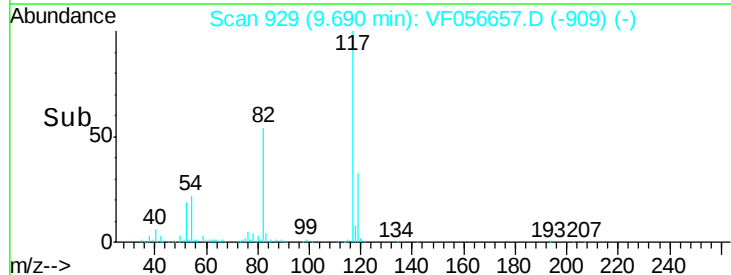
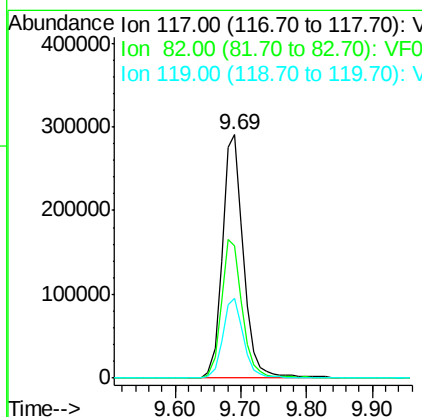
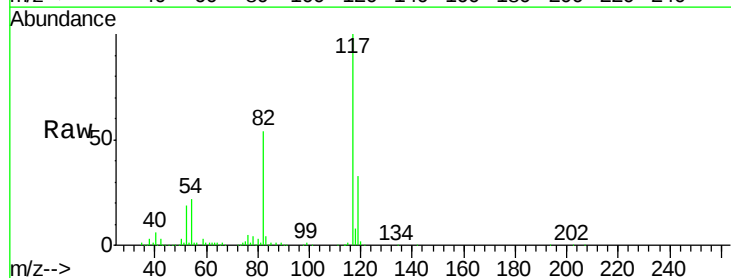
Instrument :
MSVOA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

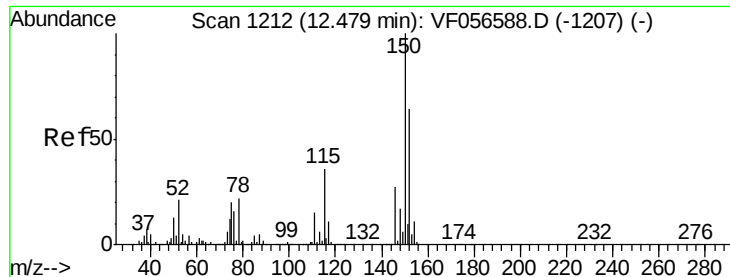
Tgt Ion: 95 Resp: 341506
Ion Ratio Lower Upper
95 100
174 72.7 0.0 154.2
176 73.5 0.0 157.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF056657.D
Acq: 23 Feb 2018 15:39

Tgt Ion: 117 Resp: 651300
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.6
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VF056657.D

Acq: 23 Feb 2018 15:39

Instrument :

MSVOA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

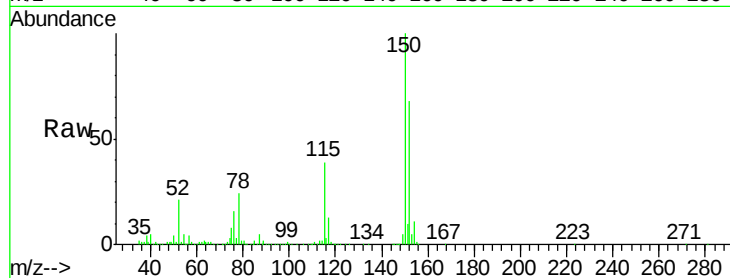
Tgt Ion: 152 Resp: 344970

Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.3

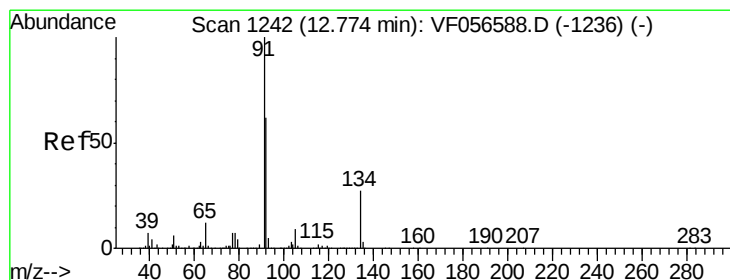
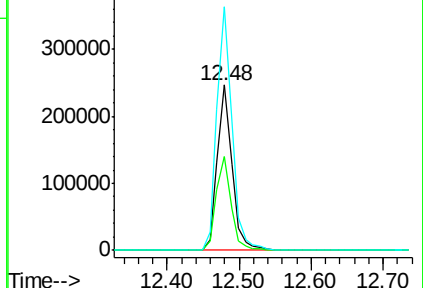
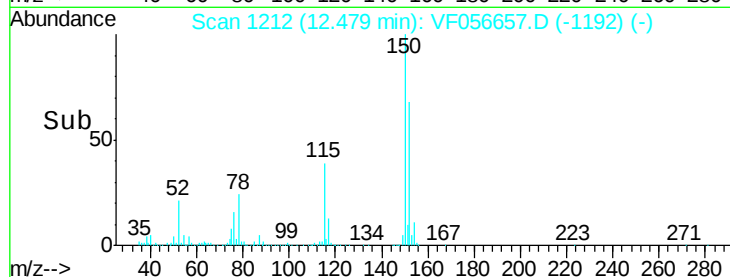
150 147.4 0.0 315.6



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: VF056657.D

Acq: 23 Feb 2018 15:39

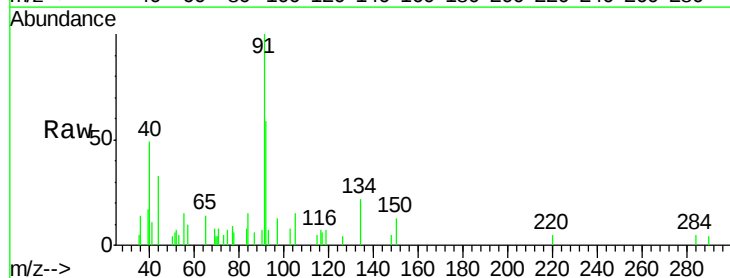
Tgt Ion: 91 Resp: 3344

Ion Ratio Lower Upper

91 100

92 58.7 30.9 92.7

134 22.3 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

