

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059604.D
 Acq On : 21 Jul 2018 2:00
 Operator : VA/AP
 Sample : J4057-13
 Misc : 6.08g/5mL/MSVOA F/SOIL
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:59:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	194993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	276638	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	239657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	106371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	109771	36.20	ug/l	0.00
Spiked Amount			Recovery	=	72.40%	
35) Dibromofluoromethane	4.30	113	111422	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	7.72	98	213108	35.31	ug/l	0.00
Spiked Amount			Recovery	=	70.62%	
62) 4-Bromofluorobenzene	11.51	95	101221	31.97	ug/l	0.00
Spiked Amount			Recovery	=	63.94%	

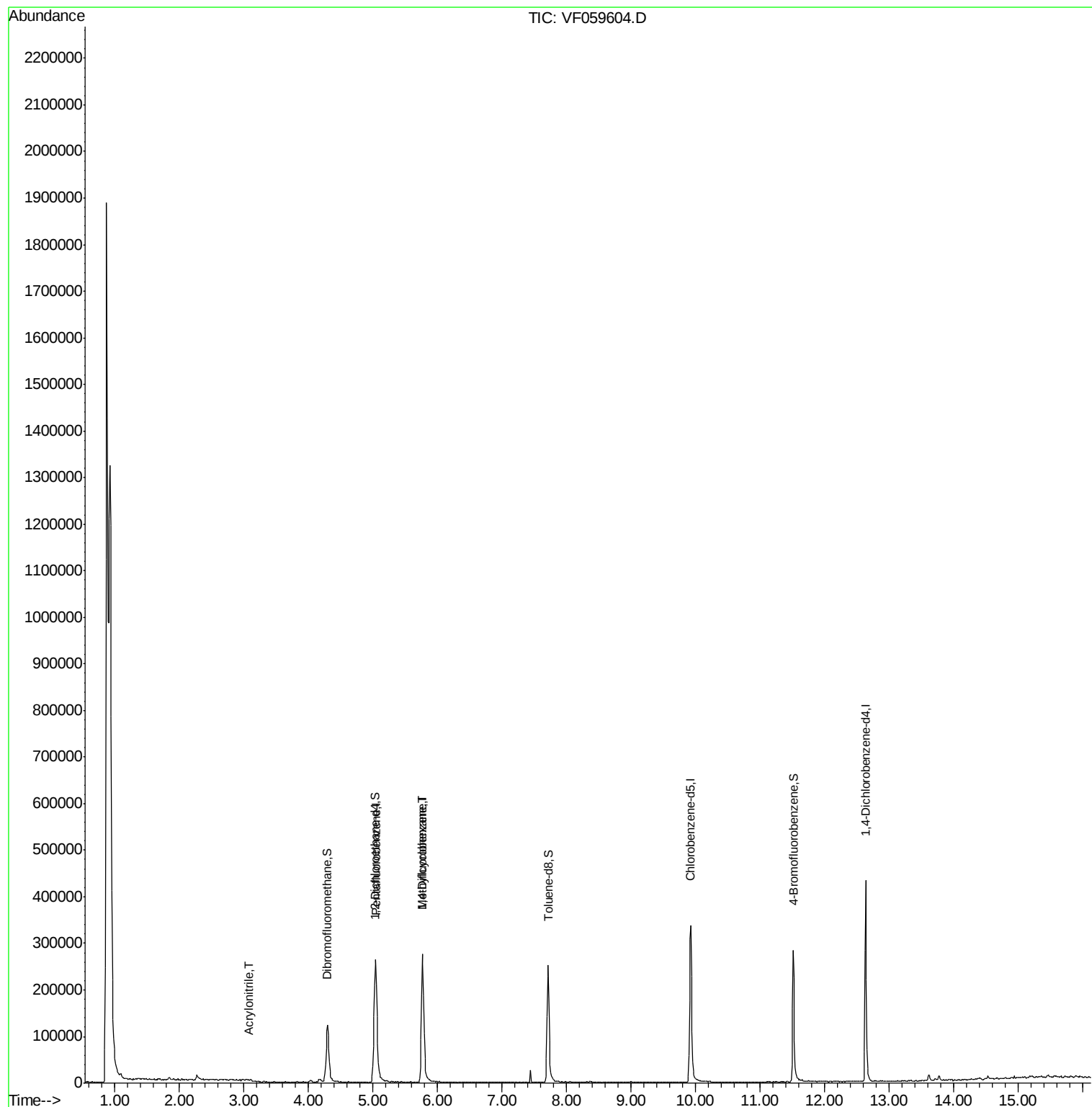
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	151	Below Cal	#	74
13) Acrolein	2.09	56	95	Below Cal		86
15) Acrylonitrile	3.07	53	458	1.800	ug/l #	13
16) Acetone	2.32	43	866	Below Cal	#	64
18) Methyl Acetate	2.44	43	674	Below Cal	#	67
20) Methylene Chloride	2.28	84	4413	Below Cal	#	89
29) Tetrahydrofuran	4.23	42	185	Below Cal	#	66
37) Ethyl Acetate	4.28	43	59	Below Cal	#	41
39) Methylcyclohexane	5.76	83	4021	1.913	ug/l #	42
49) 1,4-Dioxane	6.61	88	64	Below Cal	#	15

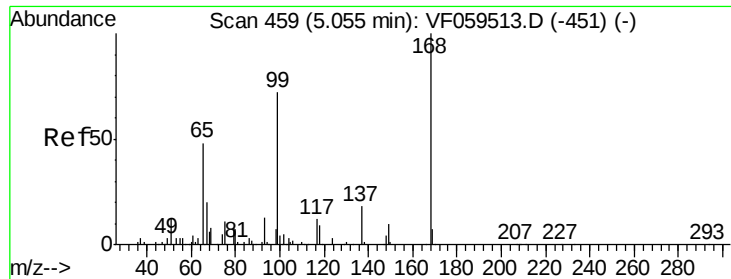
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

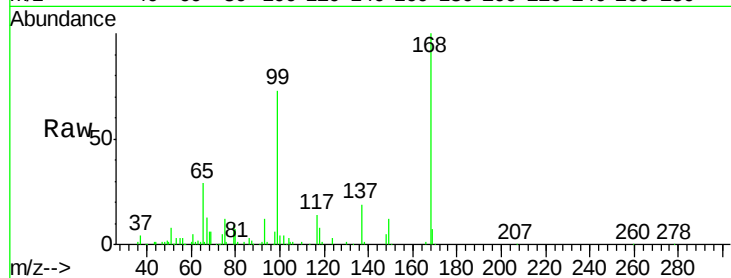
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 194993

Ion Ratio Lower Upper

168 100

99 73.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

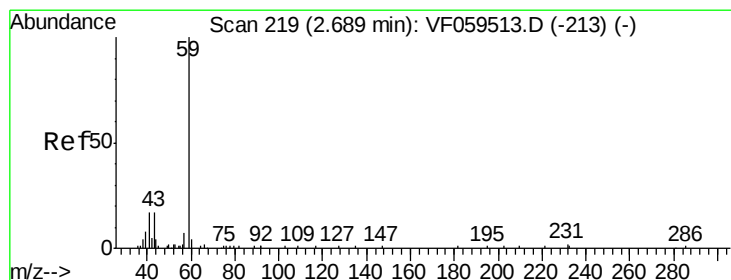
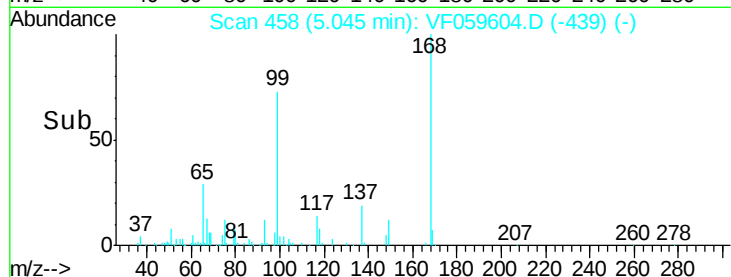
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF059604.D

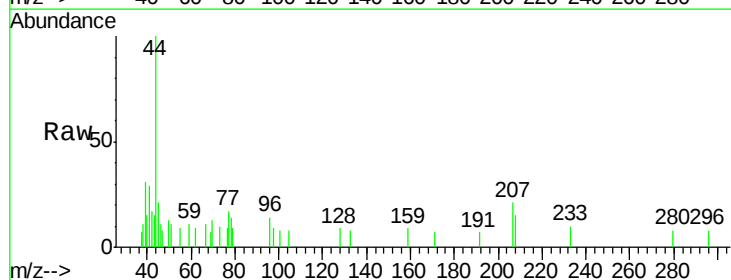
Acq: 21 Jul 2018 2:00

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

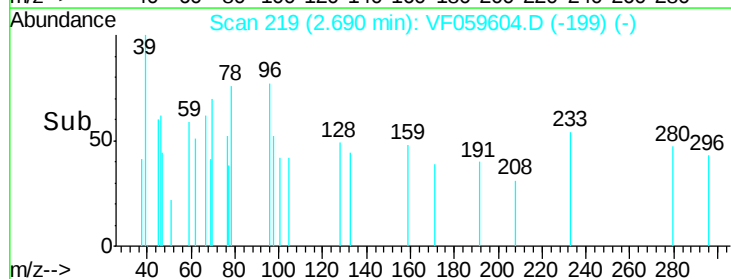
100

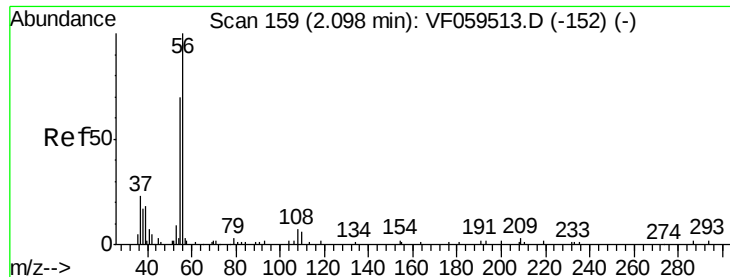
50

0

Time-->

2.68 2.70





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

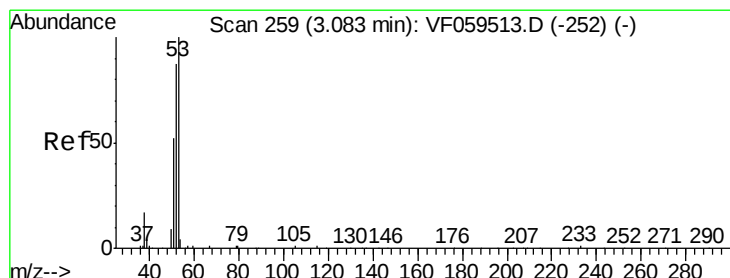
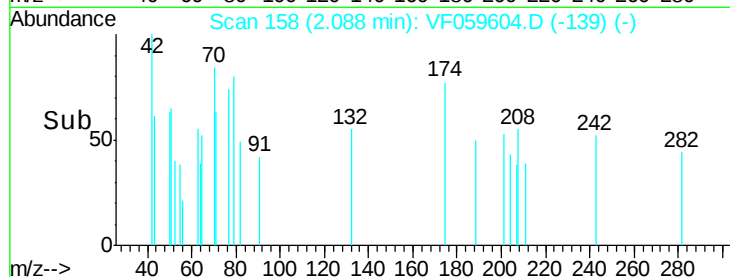
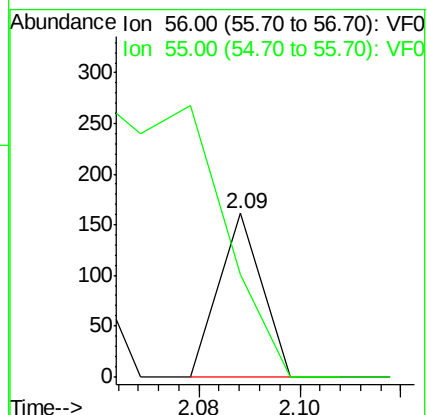
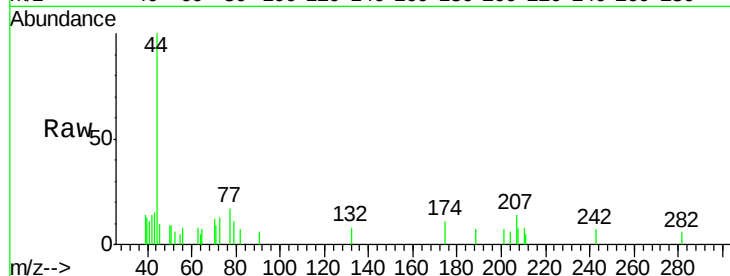
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 62.7 59.4 89.2



#15

Acrylonitrile

Concen: 1.800 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

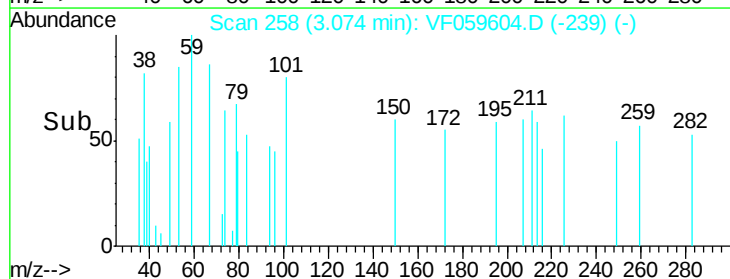
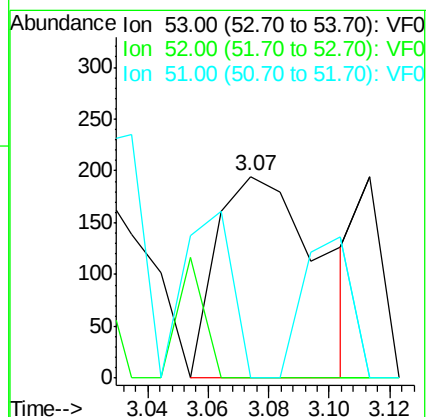
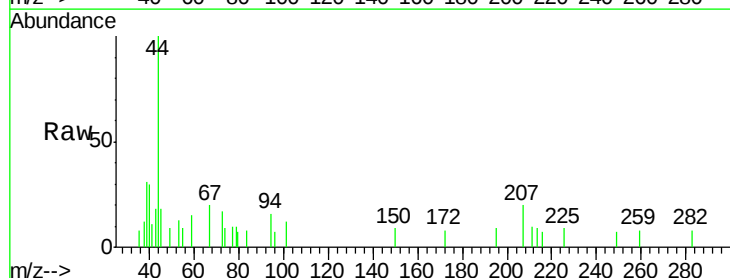
Tgt Ion: 53 Resp: 458

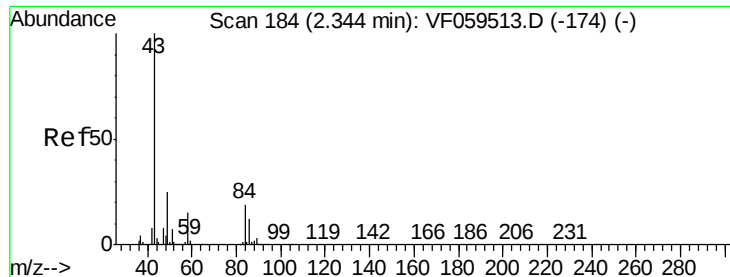
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 0.0 42.5 63.7#

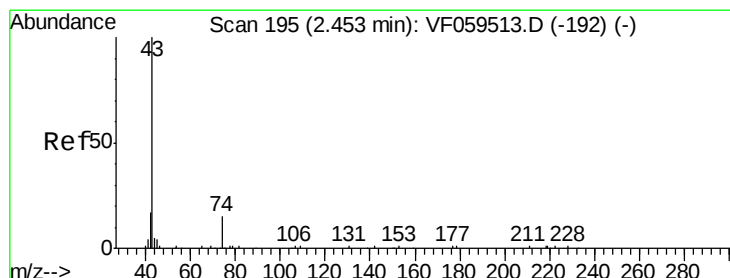
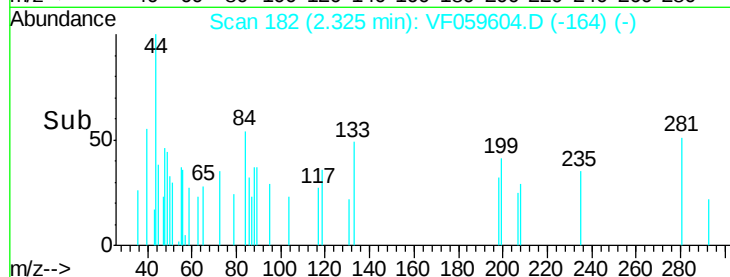
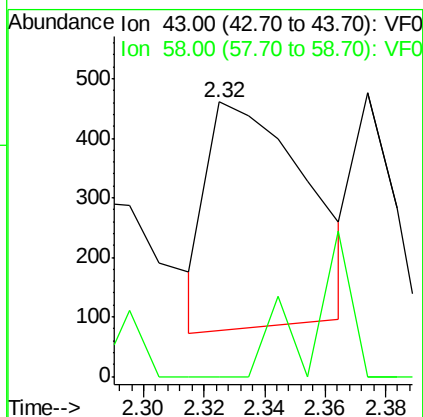
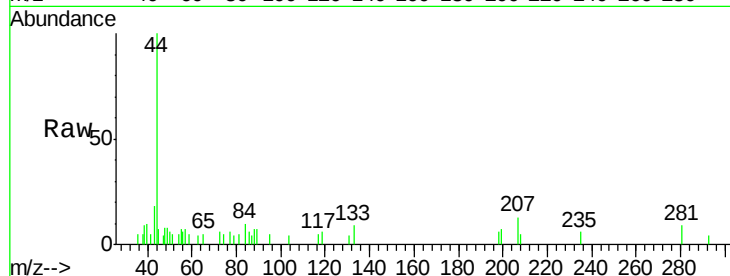




#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059604.D
Acq: 21 Jul 2018 2:00

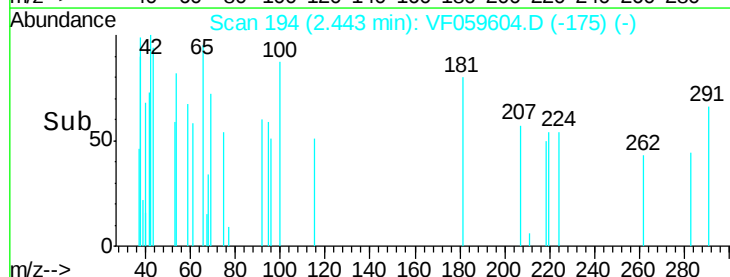
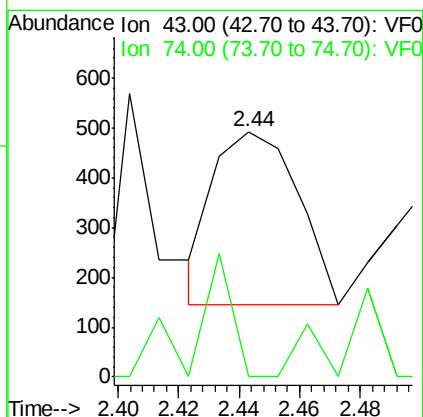
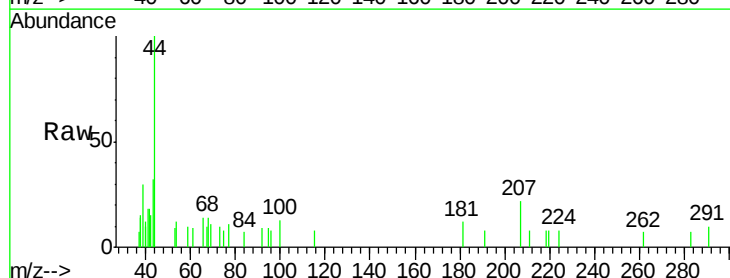
Instrument :
MSVOA_F
ClientSampled :

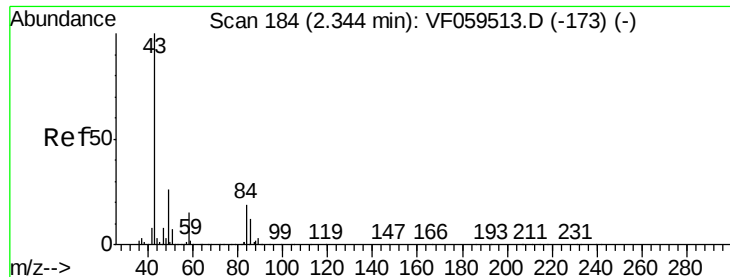
Tot Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 0.0 11.8 17.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059604.D
Acq: 21 Jul 2018 2:00

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#

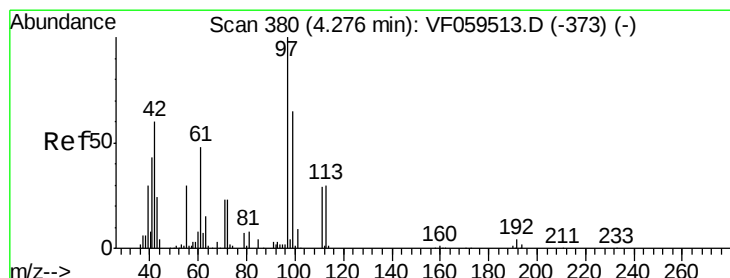
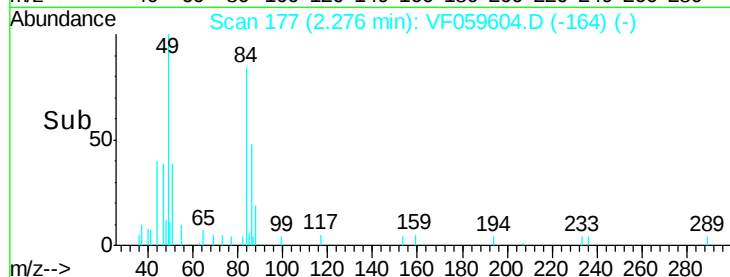
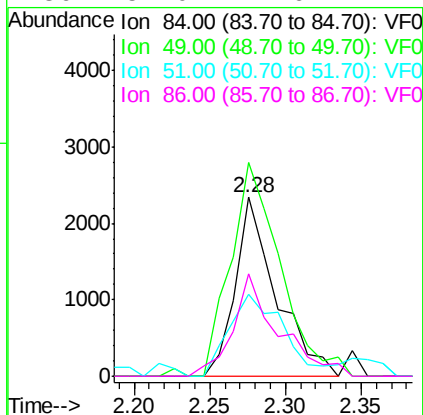
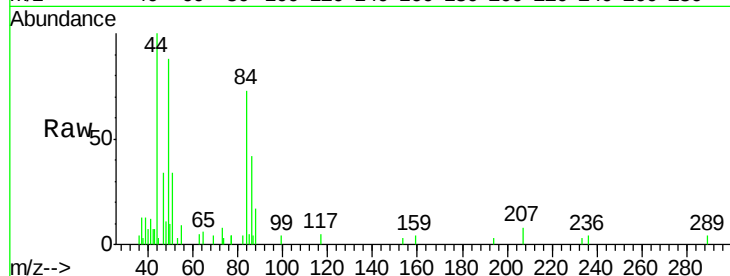




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059604.D
Acq: 21 Jul 2018 2:00

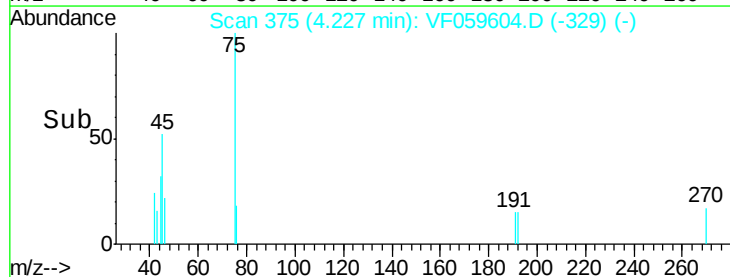
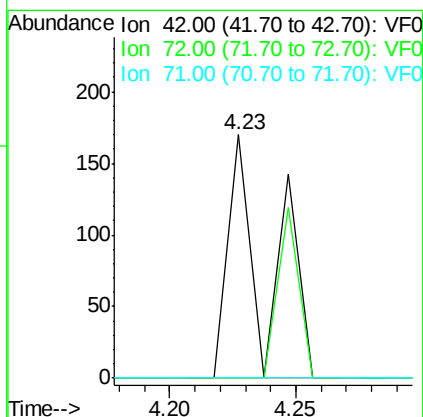
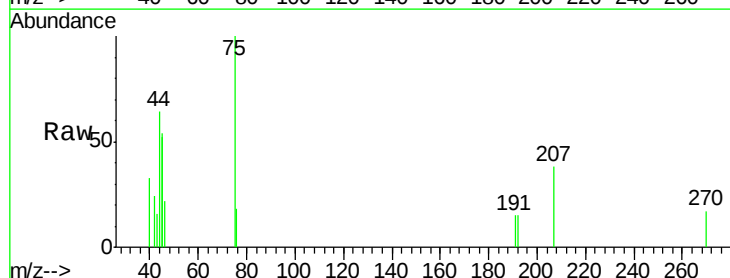
Instrument :
MSVOA_F
ClientSampleId :

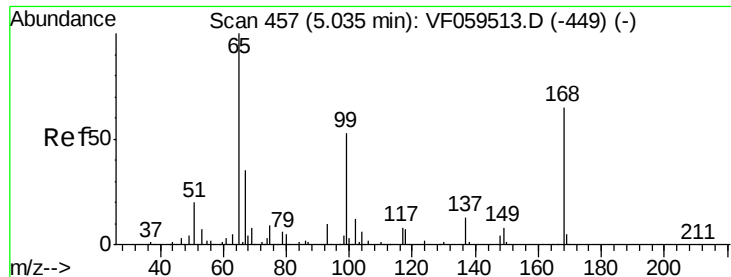
Tot Ion: 84 Resp: 4413
Ion Ratio Lower Upper
84 100
49 119.3 109.4 164.2
51 46.1 30.5 45.7#
86 57.0 47.6 71.4



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.05 min
Lab File: VF059604.D
Acq: 21 Jul 2018 2:00

Tgt Ion: 42 Resp: 185
Ion Ratio Lower Upper
42 100
72 37.8 28.7 43.1
71 0.0 30.8 46.2#

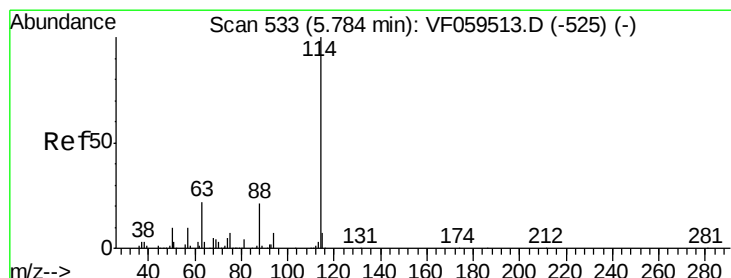
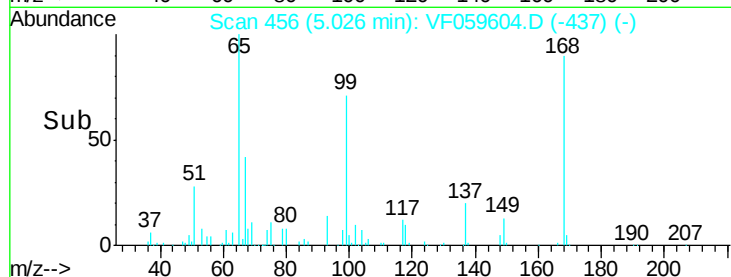
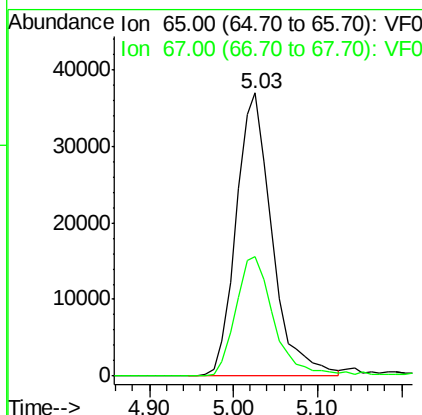
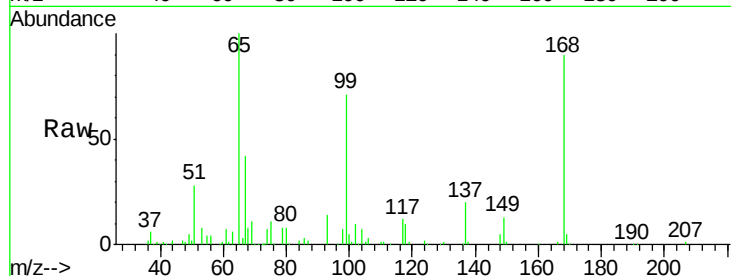




#33
 1,2-Dichloroethane-d4
 Concen: 36.197 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF059604.D
 Acq: 21 Jul 2018 2:00

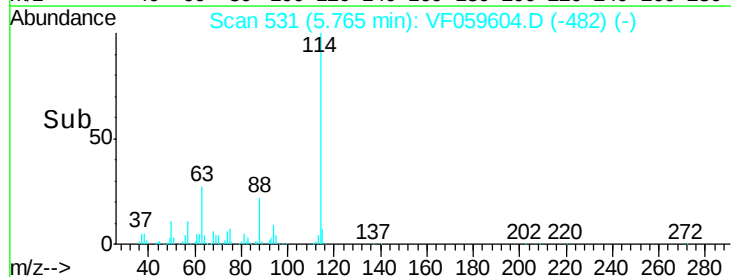
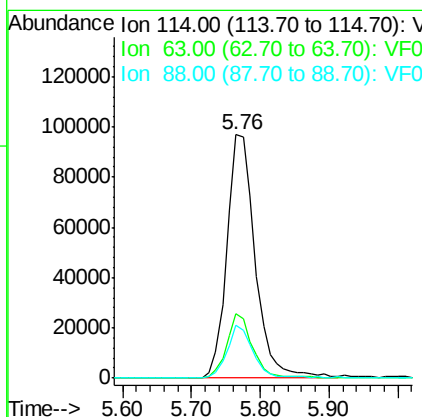
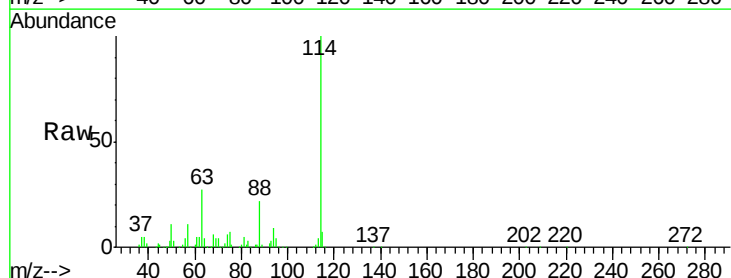
Instrument :
 MSVOA_F
 ClientSampled :

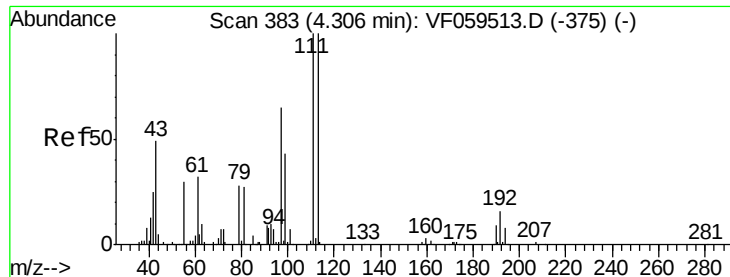
Tot Ion: 65 Resp: 109771
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF059604.D
 Acq: 21 Jul 2018 2:00

Tgt Ion: 114 Resp: 276638
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 44.8
 88 21.8 0.0 42.6





#35

Dibromofluoromethane

Concen: 46.505 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

Instrument :
MSVOA_F
ClientSampleId :

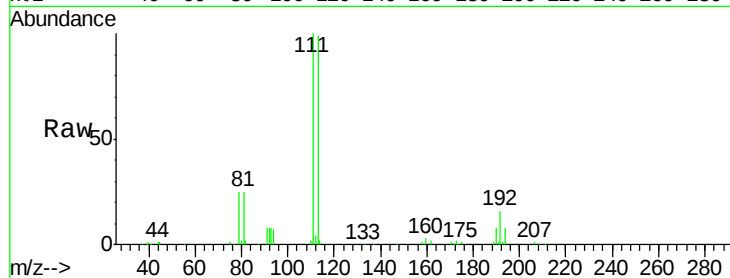
Tot Ion:113 Resp: 111422

Ion Ratio Lower Upper

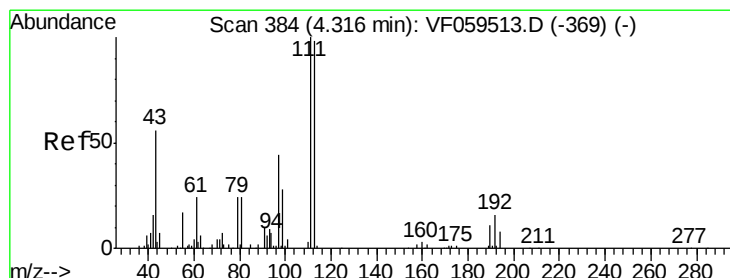
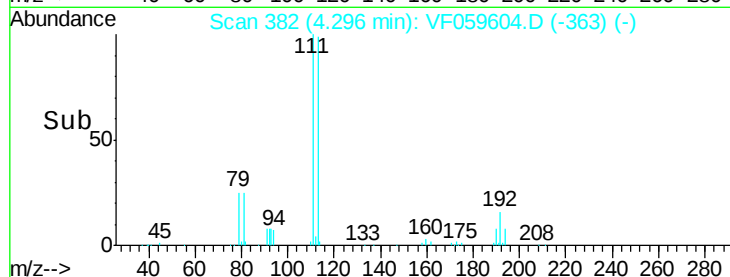
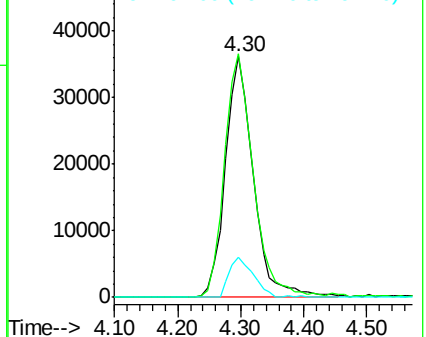
113 100

111 101.1 80.3 120.5

192 16.4 13.1 19.7



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



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. -0.04 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

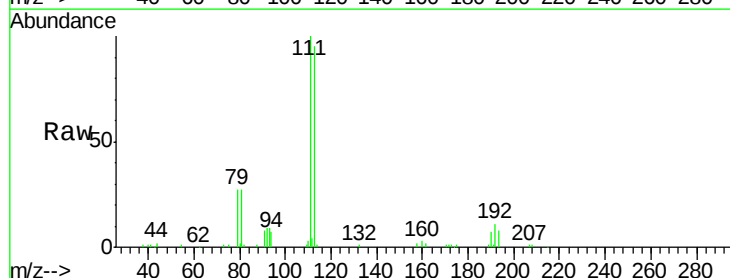
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

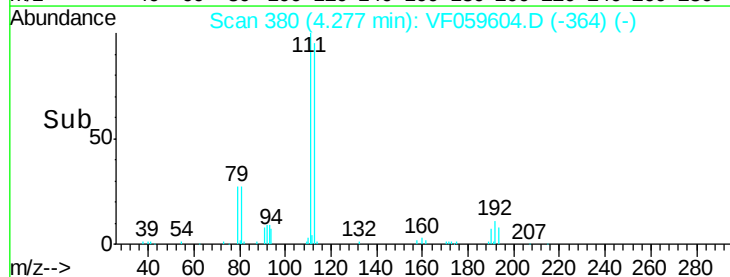
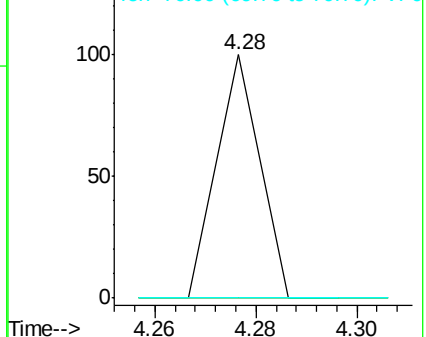
43 100

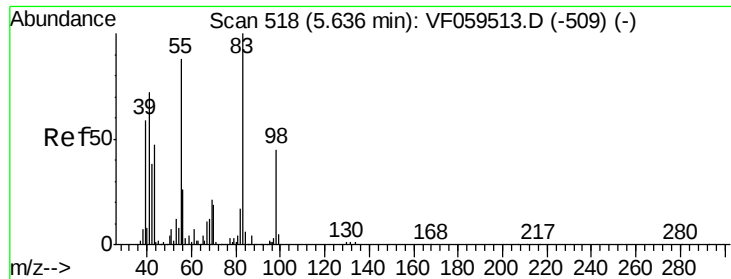
61 0.0 33.7 50.5#

70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0





#39

Methylcyclohexane

Concen: 1.913 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

Instrument :
MSVOA_F
ClientSampleId :

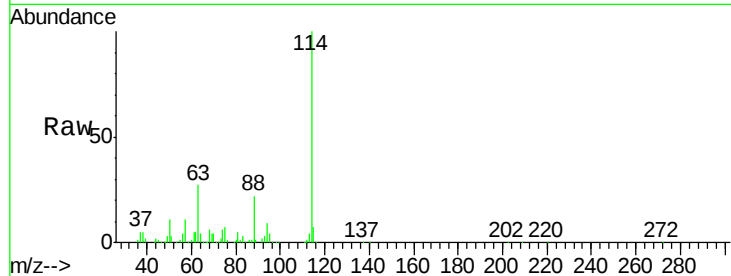
Tot Ion: 83 Resp: 4021

Ion Ratio Lower Upper

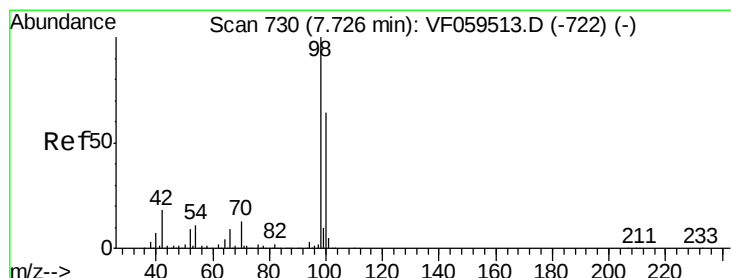
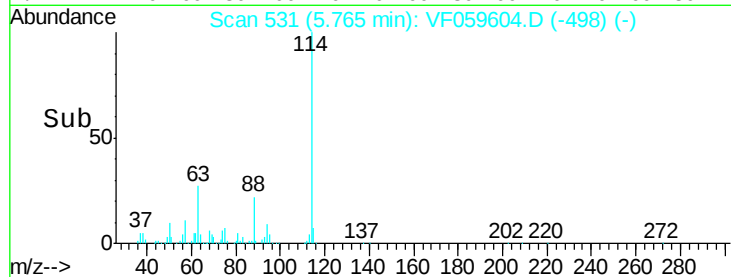
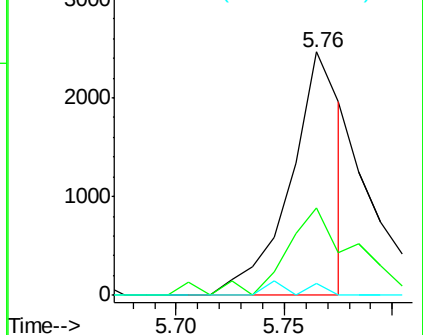
83 100

55 35.7 70.2 105.4#

98 5.0 36.2 54.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#50

Toluene-d8

Concen: 35.311 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF059604.D

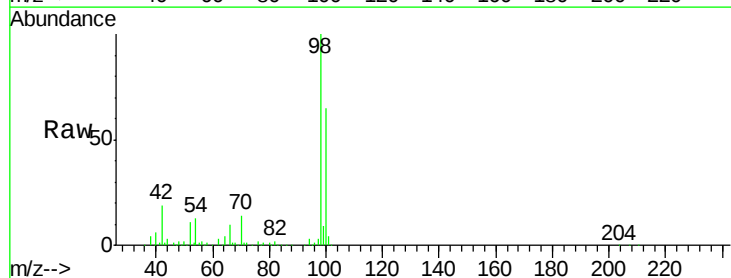
Acq: 21 Jul 2018 2:00

Tgt Ion: 98 Resp: 213108

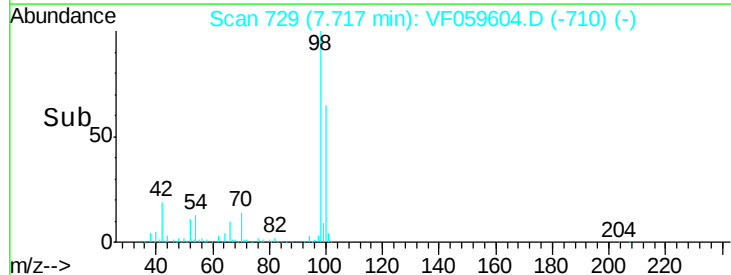
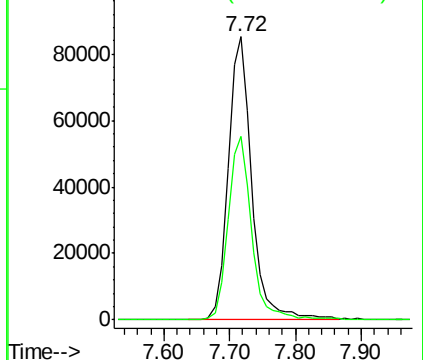
Ion Ratio Lower Upper

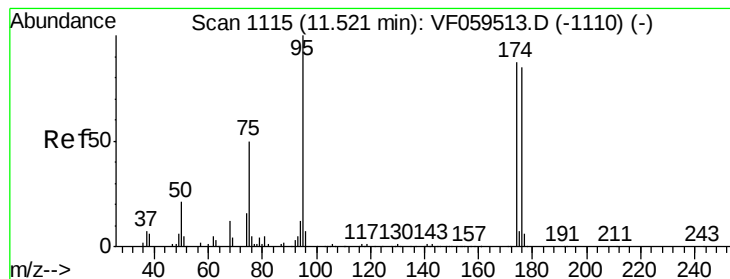
98 100

100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 31.971 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

Instrument :

MSVOA_F

ClientSampleId :

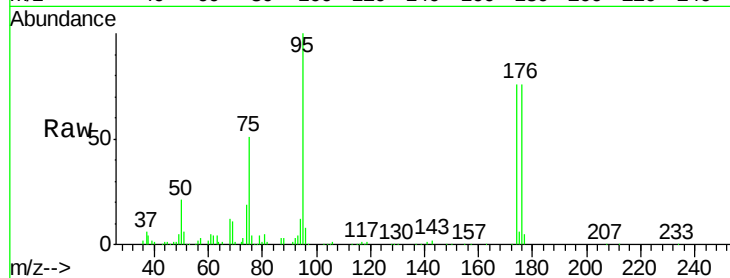
Tot Ion: 95 Resp: 101221

Ion Ratio Lower Upper

95 100

174 76.5 0.0 174.4

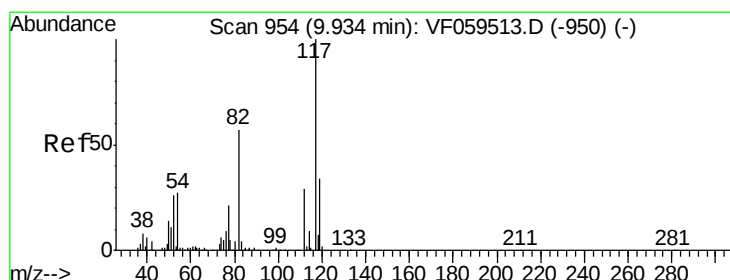
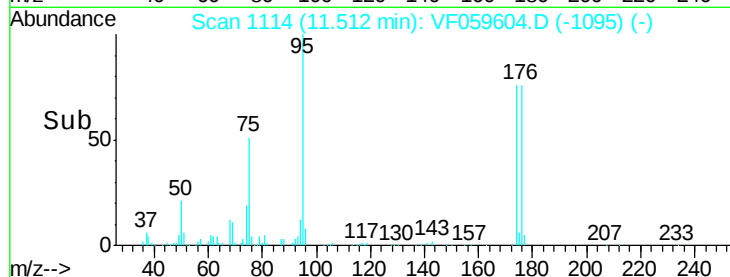
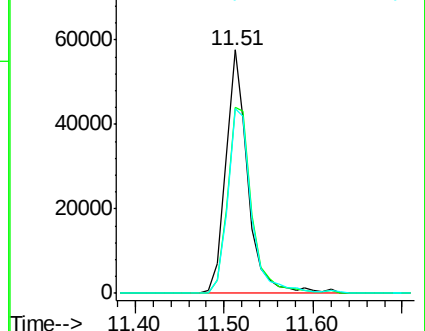
176 76.1 0.0 169.4



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: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

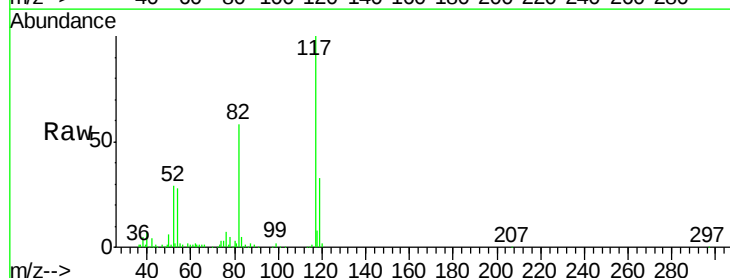
Tgt Ion: 117 Resp: 239657

Ion Ratio Lower Upper

117 100

82 57.9 46.1 69.1

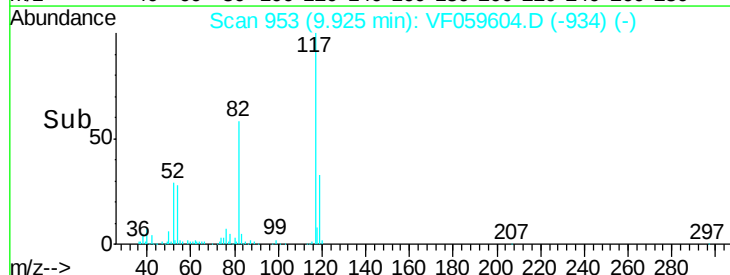
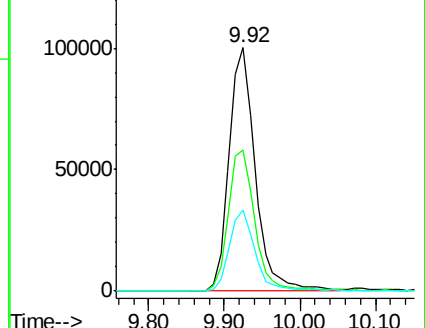
119 33.4 27.2 40.8

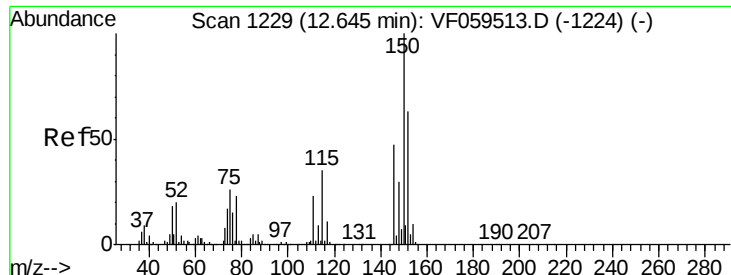


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059604.D

Acq: 21 Jul 2018 2:00

Instrument :

MSVOA_F

ClientSampleId :

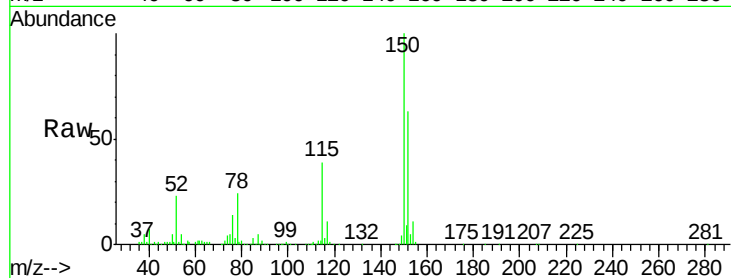
Tot Ion:152 Resp: 106371

Ion Ratio Lower Upper

152 100

115 61.3 27.8 83.3

150 158.4 0.0 318.4



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

