

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059606.D
 Acq On : 21 Jul 2018 2:55
 Operator : VA/AP
 Sample : J3820-05
 Misc : 6.14g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:59:30 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	180376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	269282	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	258971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	136463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	124951	44.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.08%	
35) Dibromofluoromethane	4.29	113	116354	49.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.78%	
50) Toluene-d8	7.71	98	234782	39.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.94%	
62) 4-Bromofluorobenzene	11.51	95	111668	36.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.46%	

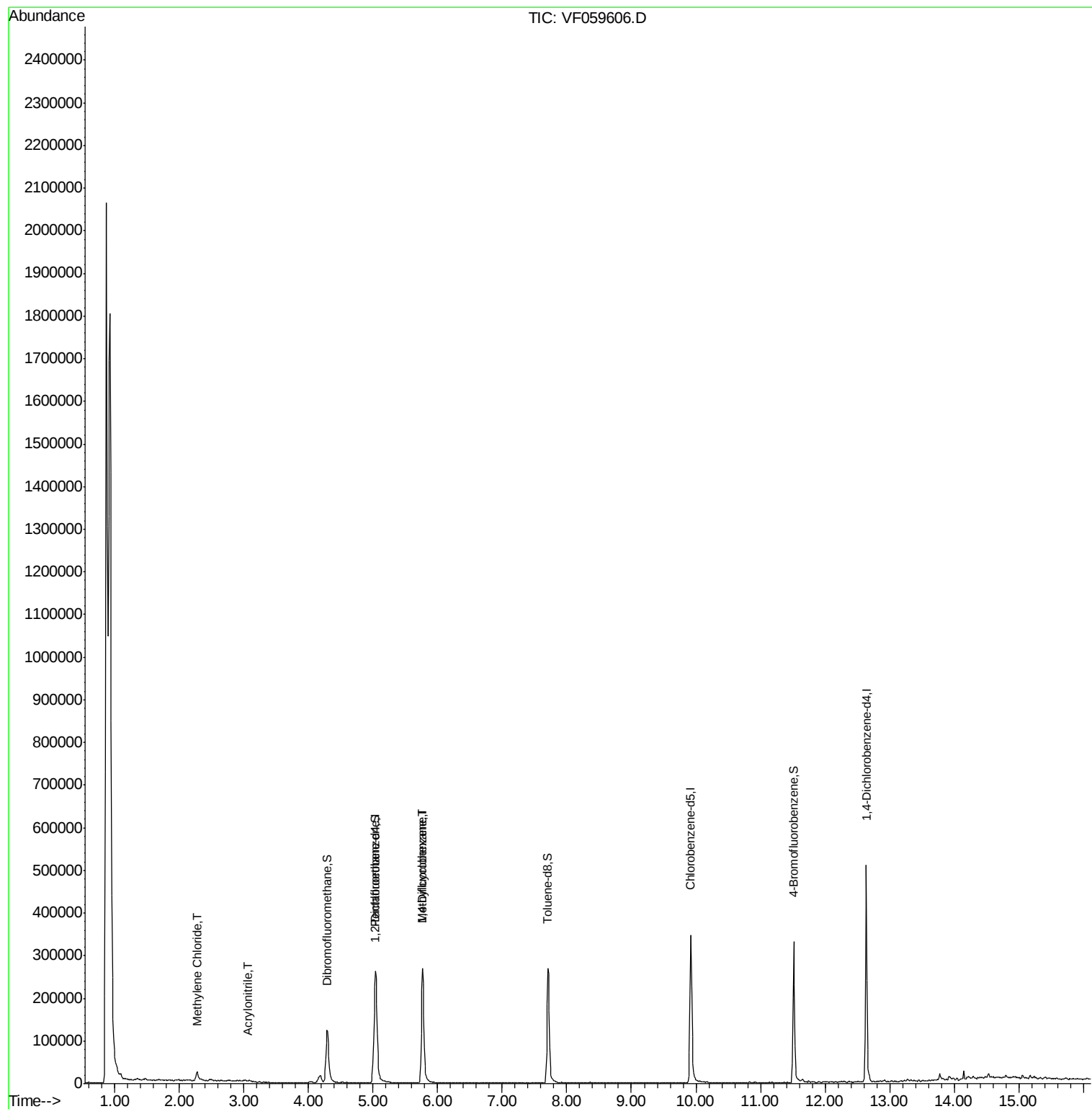
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	190	Below Cal	#	24
13) Acrolein	2.07	56	158	Below Cal		87
15) Acrylonitrile	3.07	53	418	1.776	ug/l #	38
16) Acetone	2.31	43	2507	Below Cal	#	64
18) Methyl Acetate	2.44	43	1620	Below Cal	#	76
20) Methylene Chloride	2.28	84	10965	4.492	ug/l #	92
29) Tetrahydrofuran	4.29	42	174	Below Cal	#	38
37) Ethyl Acetate	4.30	43	168	Below Cal	#	41
39) Methylcyclohexane	5.77	83	3918	1.915	ug/l #	41
49) 1,4-Dioxane	6.76	88	60	Below Cal	#	23

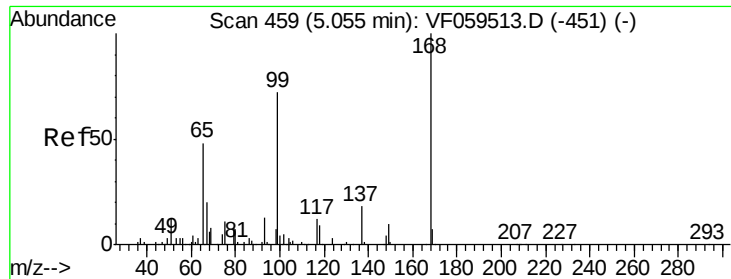
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059606.D

Acq: 21 Jul 2018 2:55

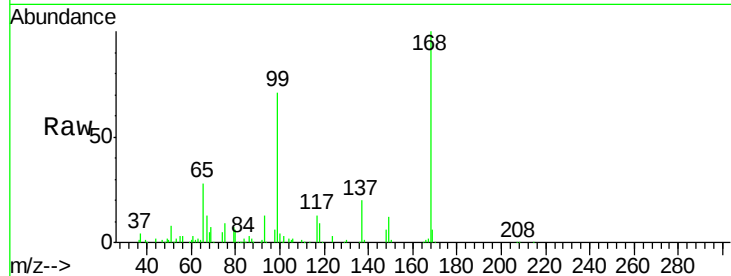
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 180376

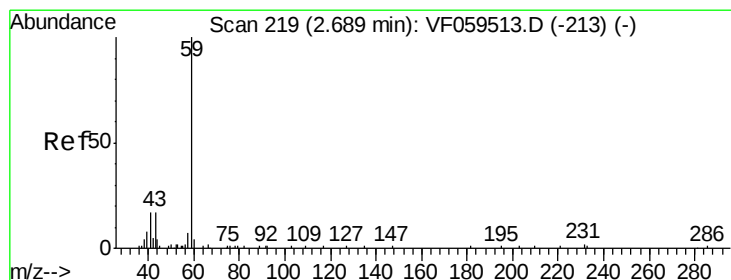
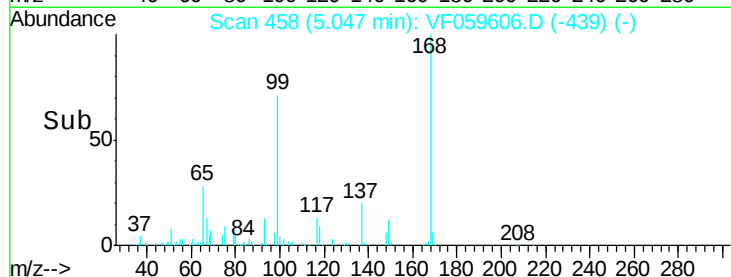
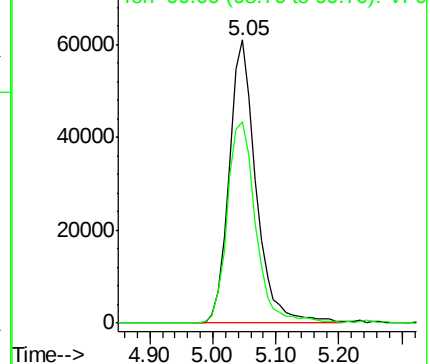
Ion Ratio Lower Upper

168 100

99 71.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF059606.D

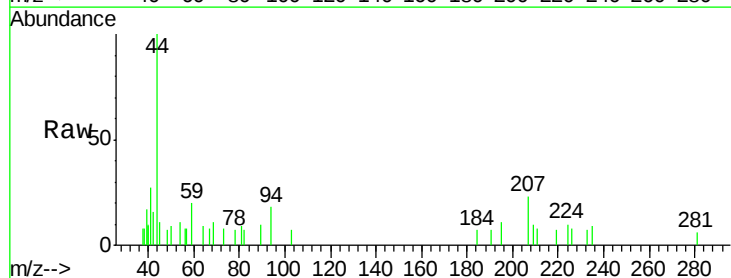
Acq: 21 Jul 2018 2:55

Tgt Ion: 59 Resp: 190

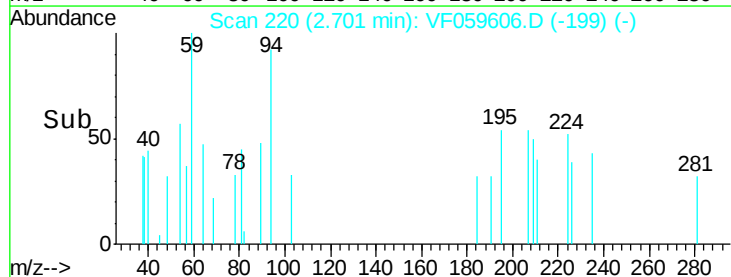
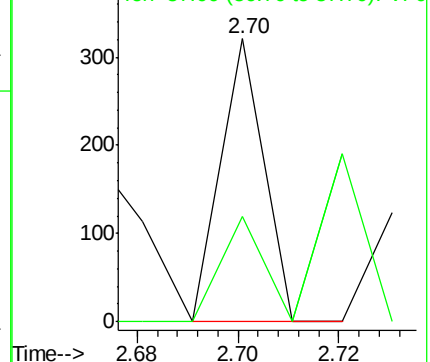
Ion Ratio Lower Upper

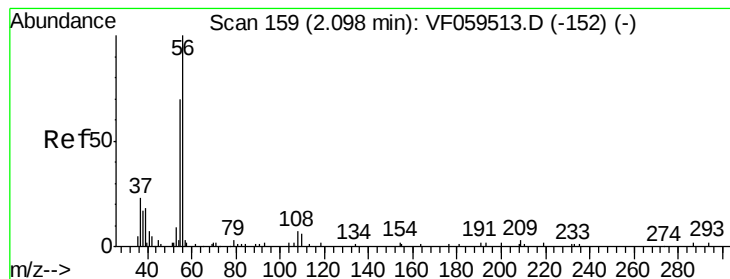
59 100

57 37.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.07 min Scan# 156

Delta R.T. -0.03 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

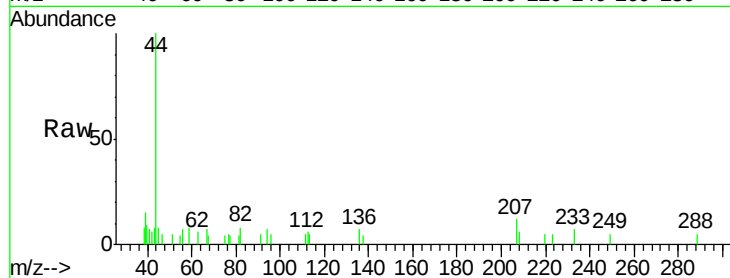
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

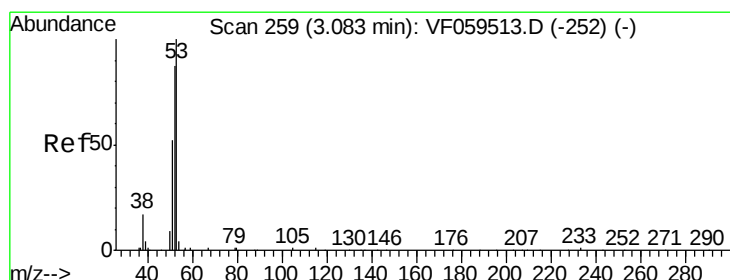
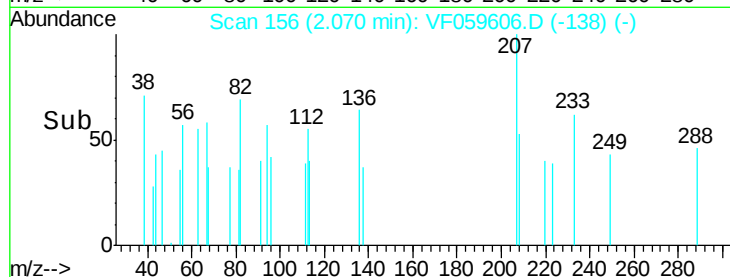
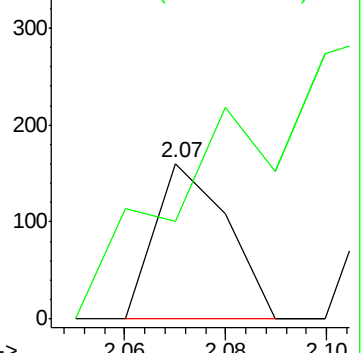
56 100

55 63.1 59.4 89.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.776 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

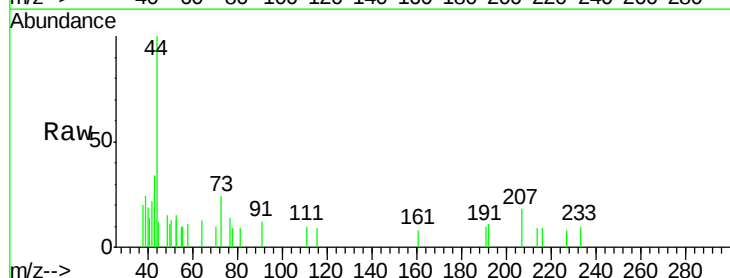
Tgt Ion: 53 Resp: 418

Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

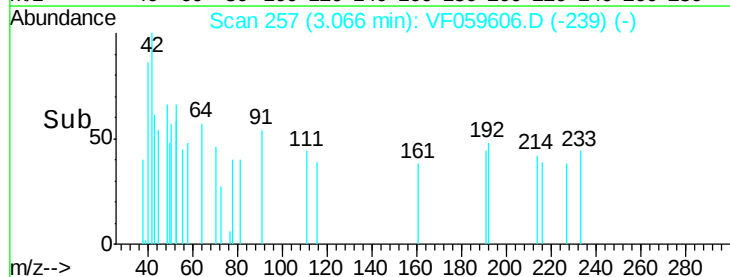
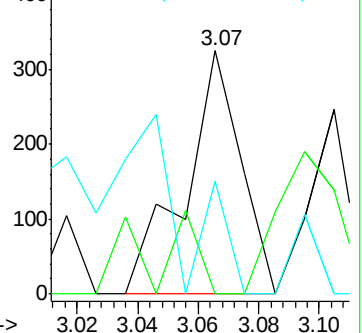
51 46.2 42.5 63.7

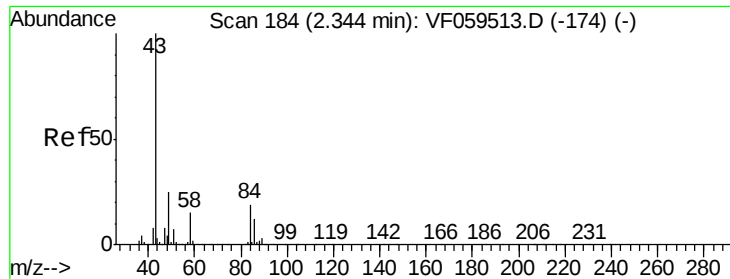


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

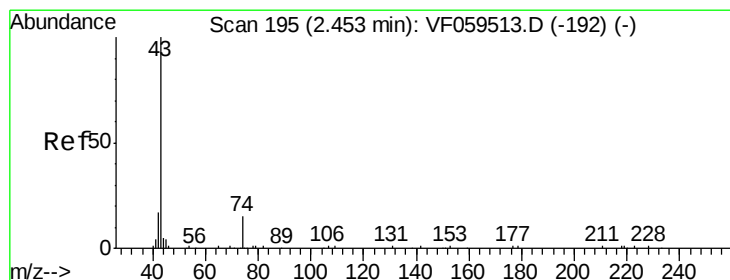
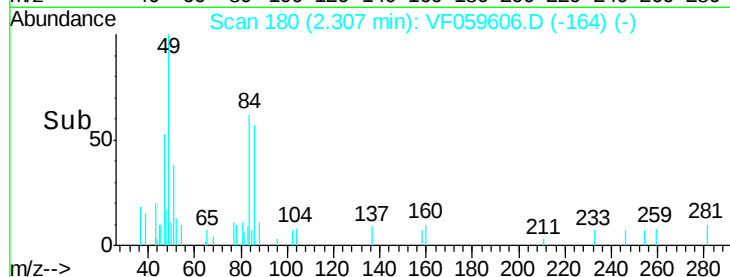
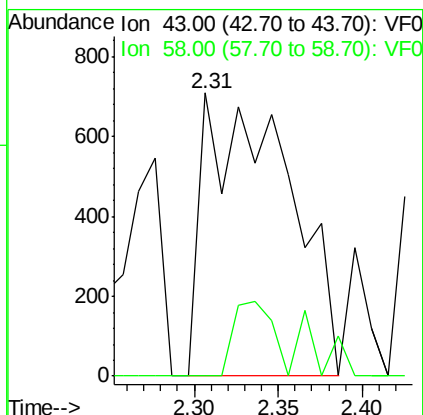
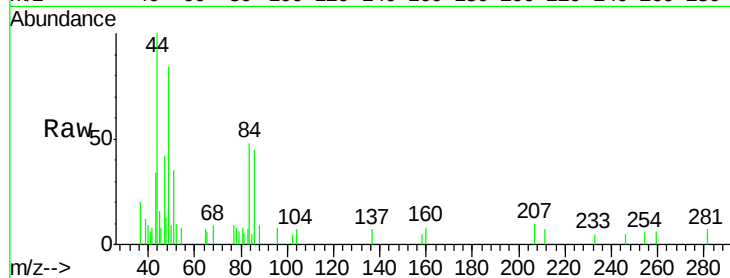




#16
Acetone
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. -0.04 min
Lab File: VF059606.D
Acq: 21 Jul 2018 2:55

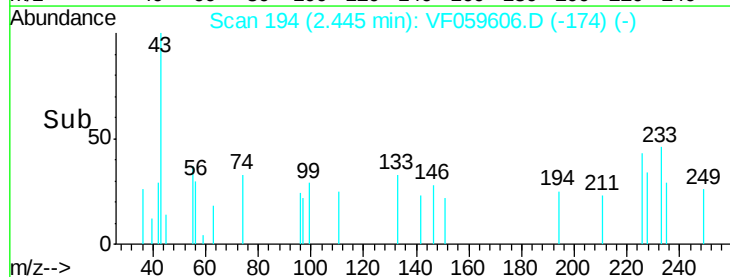
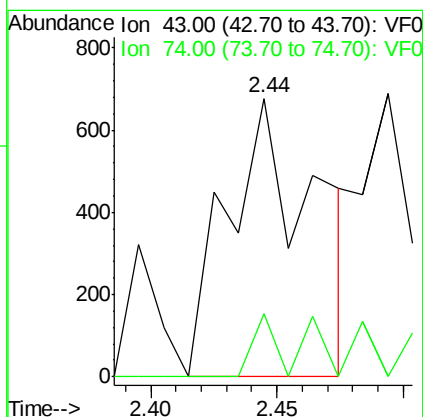
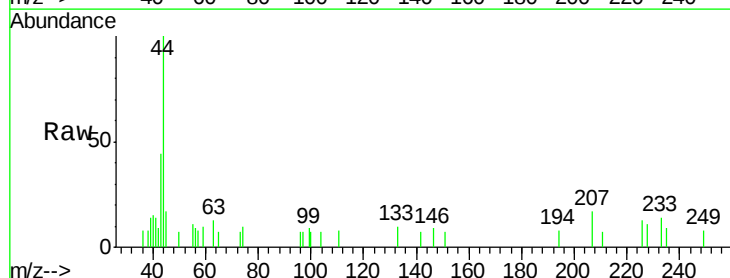
Instrument :
MSVOA_F
ClientSampleId :

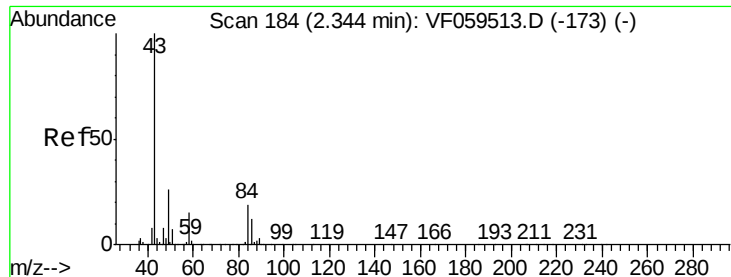
Tot Ion: 43 Resp: 2507
Ion Ratio Lower Upper
43 100
58 0.0 11.8 17.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059606.D
Acq: 21 Jul 2018 2:55

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
74 22.7 10.6 15.8#





#20

Methylene Chloride

Concen: 4.492 ug/l

RT: 2.28 min Scan# 177

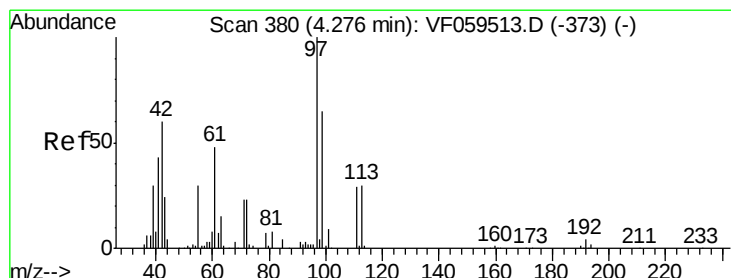
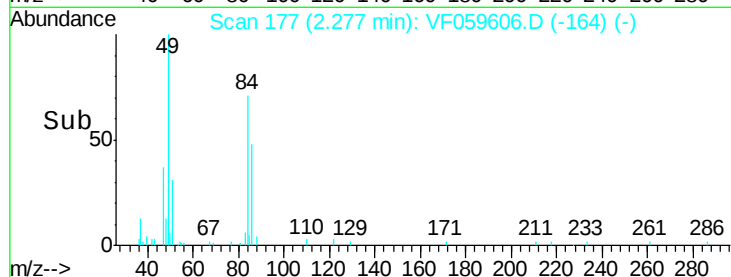
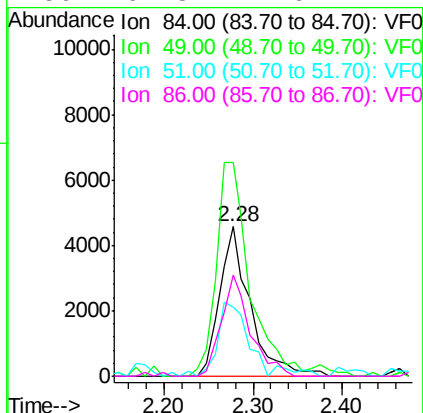
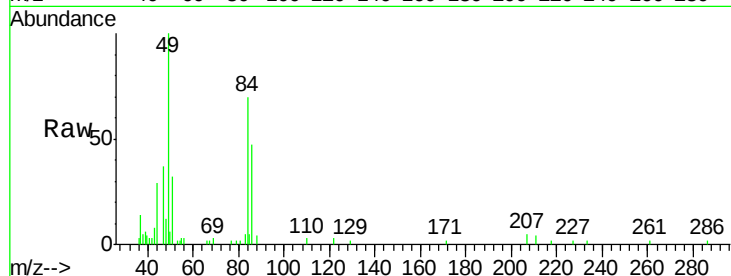
Delta R.T. -0.07 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	10965
Ion	Ratio	Lower	Upper
84	100		
49	143.0	109.4	164.2
51	46.3	30.5	45.7#
86	67.8	47.6	71.4



#29

Tetrahydrofuran

Concen: Below Cal

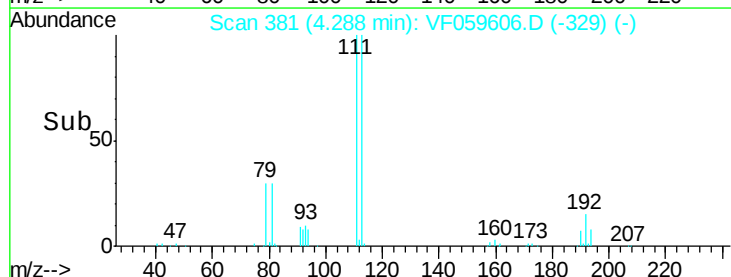
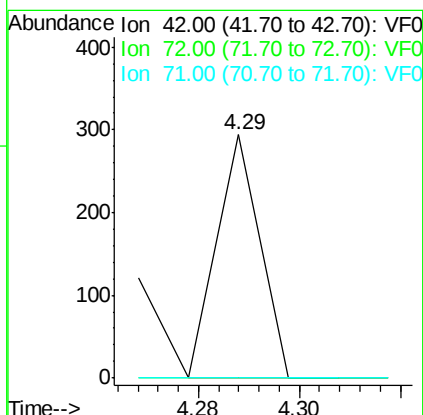
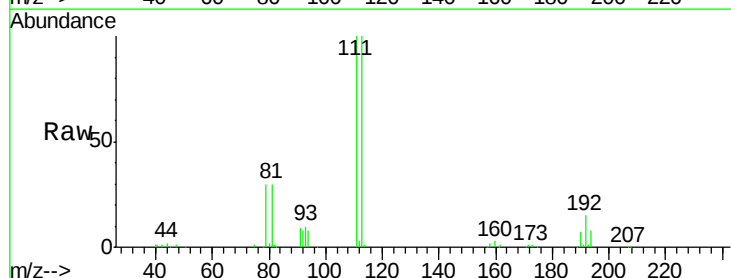
RT: 4.29 min Scan# 381

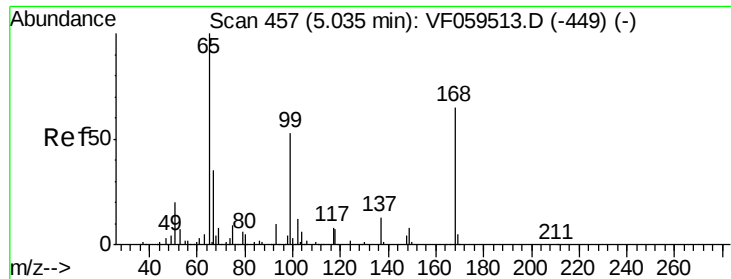
Delta R.T. 0.01 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

Tgt Ion:	42	Resp:	174
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	0.0	30.8	46.2#

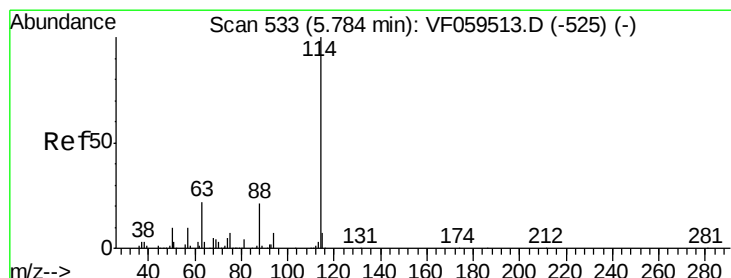
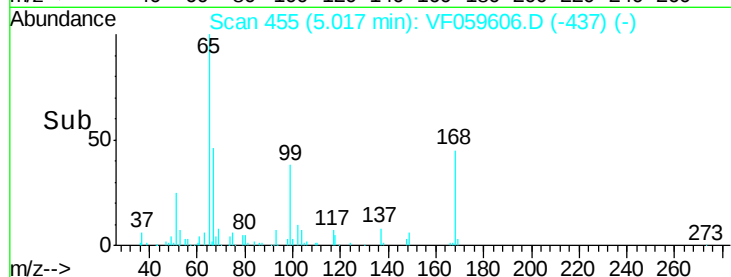
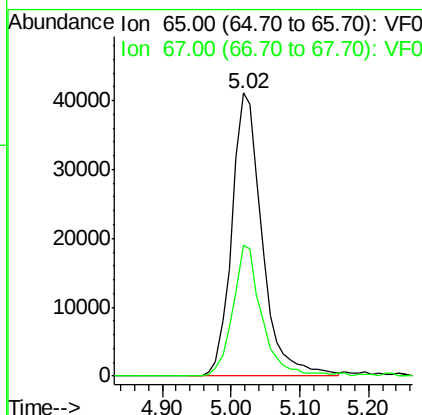
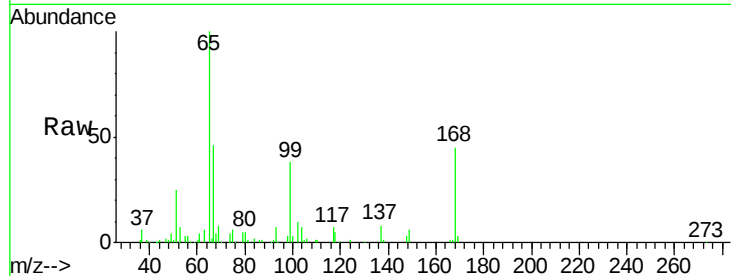




#33
 1,2-Dichloroethane-d4
 Concen: 44.541 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF059606.D
 Acq: 21 Jul 2018 2:55

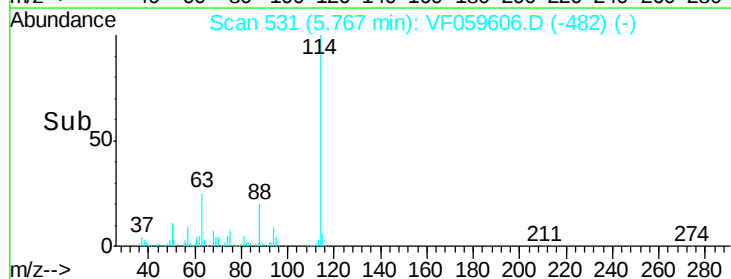
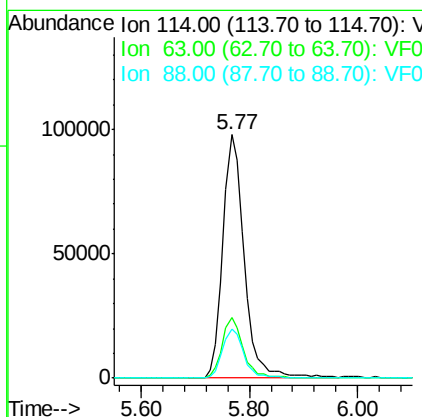
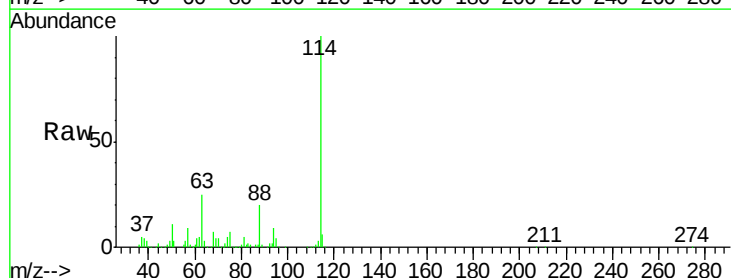
Instrument :
 MSVOA_F
 ClientSampleId :

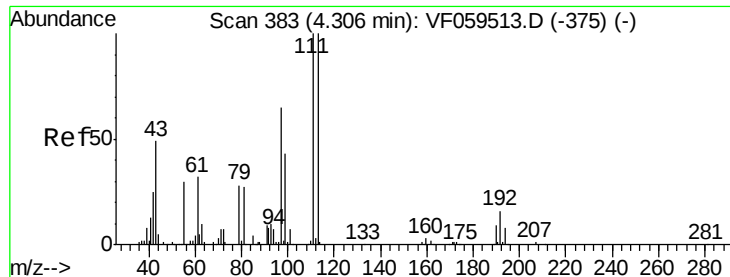
Tot Ion: 65 Resp: 124951
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF059606.D
 Acq: 21 Jul 2018 2:55

Tgt Ion: 114 Resp: 269282
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 44.8
 88 20.3 0.0 42.6

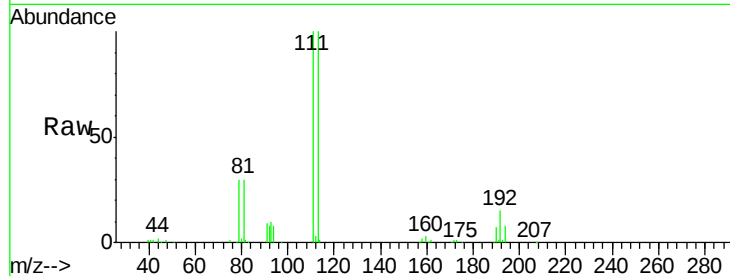




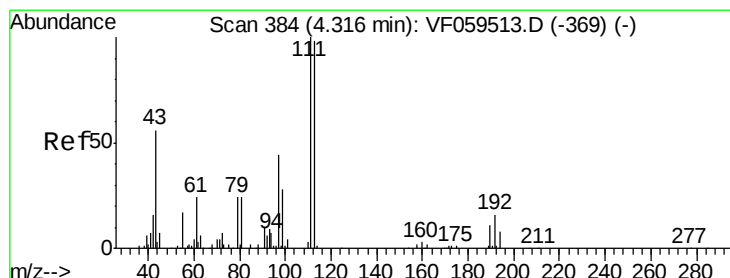
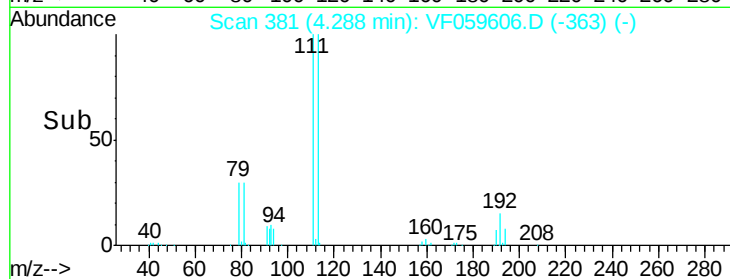
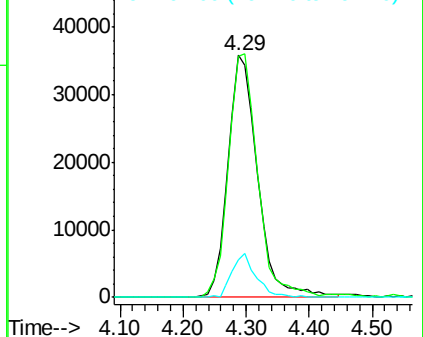
#35
Dibromofluoromethane
Concen: 49.890 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059606.D
Acq: 21 Jul 2018 2:55

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	80.3	120.5
192	15.3	13.1	19.7

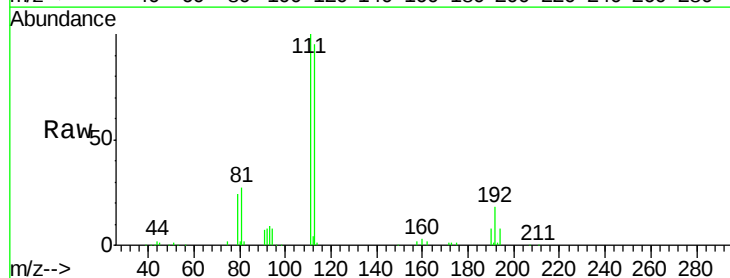


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

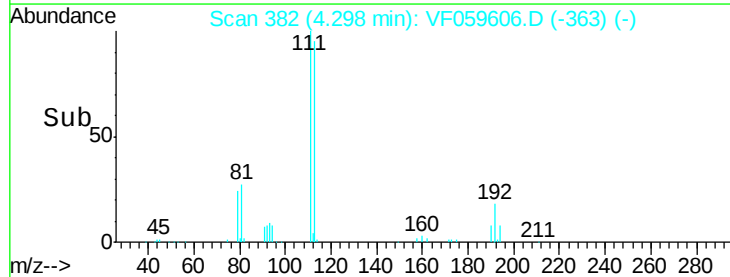
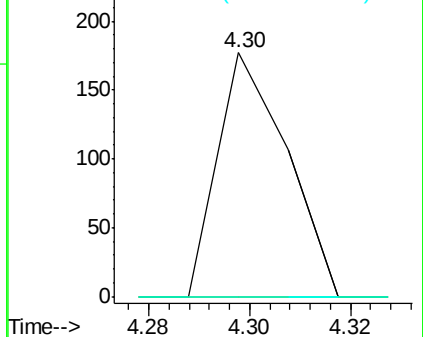


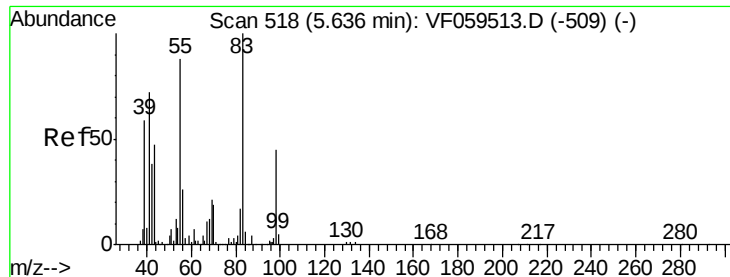
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF059606.D
Acq: 21 Jul 2018 2:55

Tgt 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: 1.915 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

Instrument :
MSVOA_F
ClientSampleId :

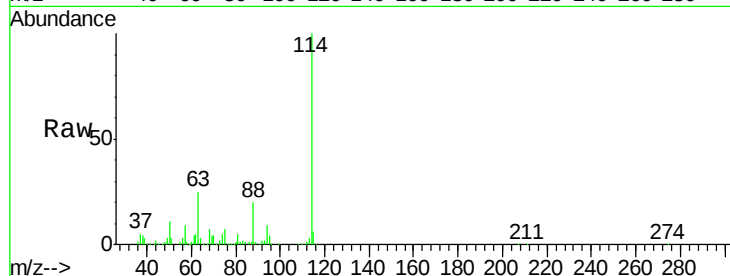
Tot Ion: 83 Resp: 3918

Ion Ratio Lower Upper

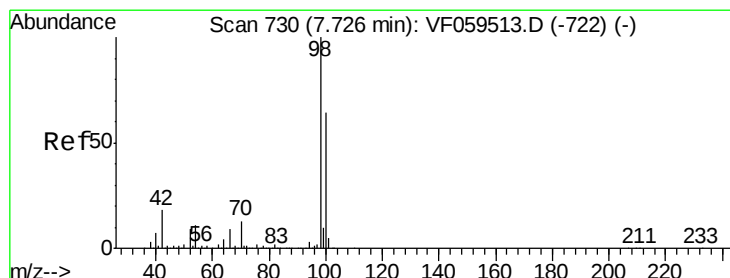
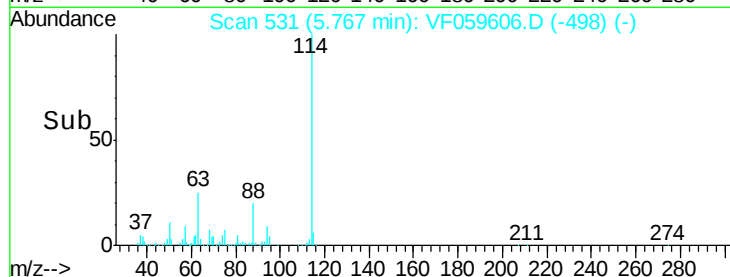
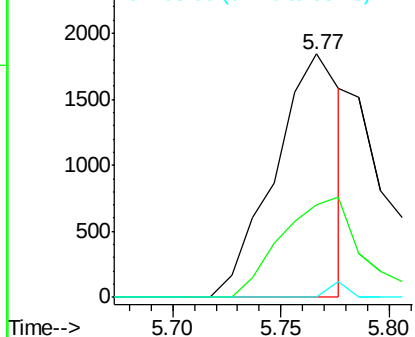
83 100

55 38.1 70.2 105.4#

98 0.0 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: 39.965 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059606.D

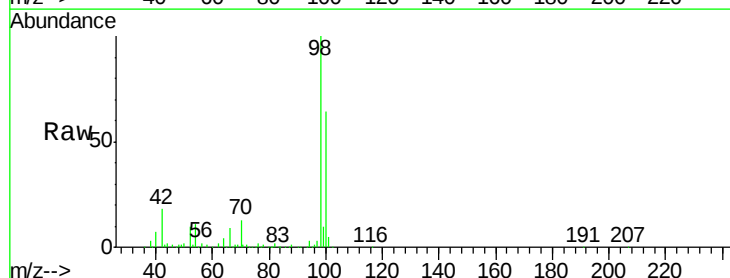
Acq: 21 Jul 2018 2:55

Tgt Ion: 98 Resp: 234782

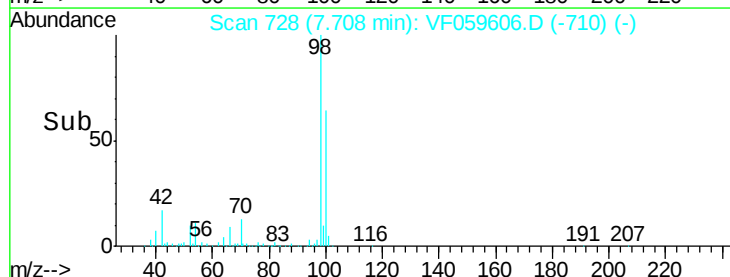
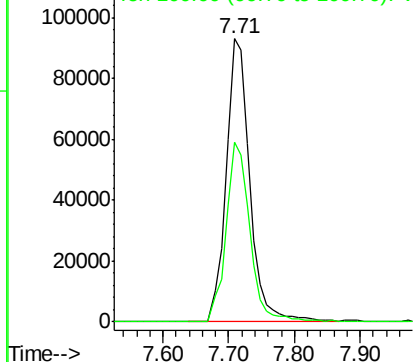
Ion Ratio Lower Upper

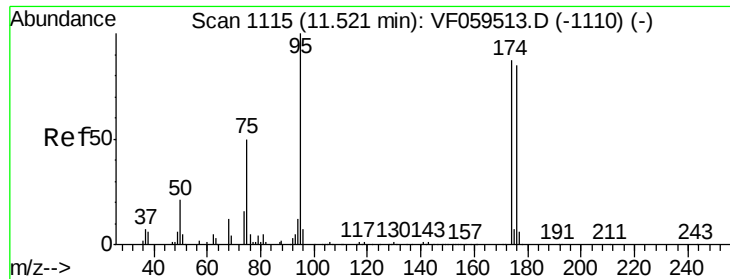
98 100

100 63.6 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: 36.234 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

Instrument :

MSVOA_F

ClientSampleId :

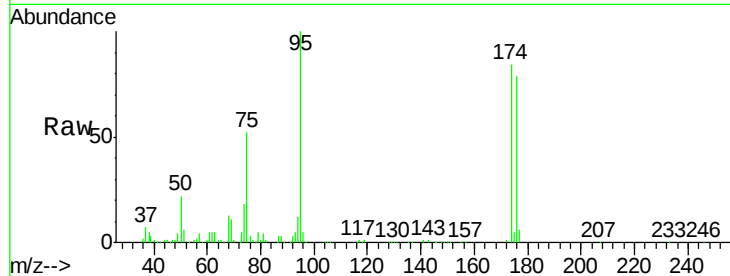
Tot Ion: 95 Resp: 111668

Ion Ratio Lower Upper

95 100

174 84.1 0.0 174.4

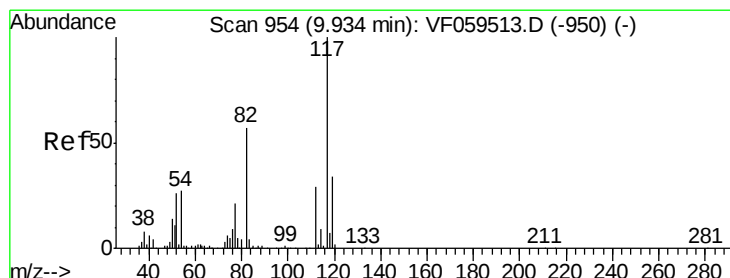
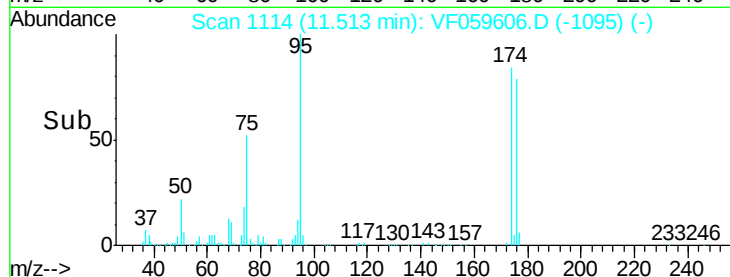
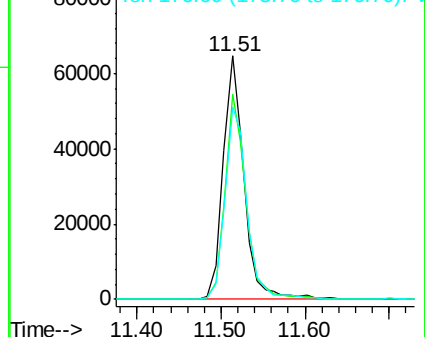
176 79.2 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

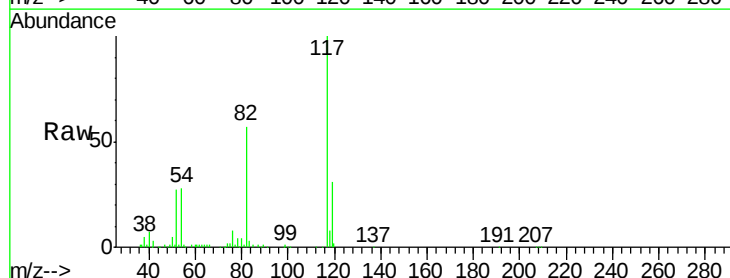
Tgt Ion: 117 Resp: 258971

Ion Ratio Lower Upper

117 100

82 57.3 46.1 69.1

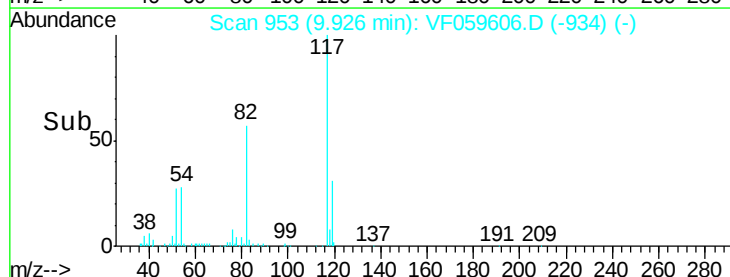
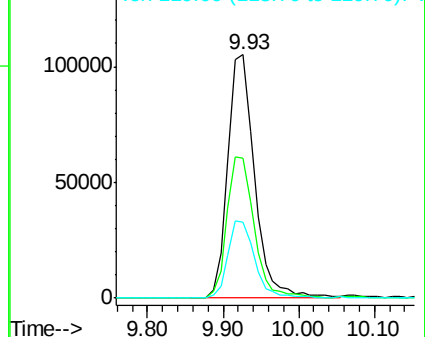
119 31.0 27.2 40.8

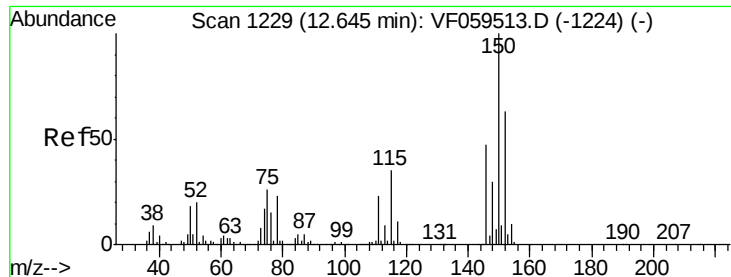


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059606.D

Acq: 21 Jul 2018 2:55

Instrument :

MSVOA_F

ClientSampleId :

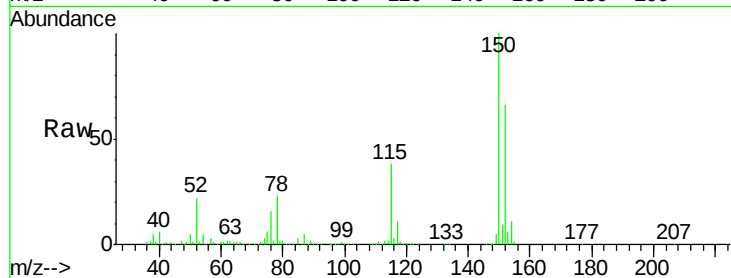
Tot Ion:152 Resp: 136463

Ion Ratio Lower Upper

152 100

115 58.0 27.8 83.3

150 150.8 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

