

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061995.D
 Acq On : 18 Mar 2019 14:08
 Operator : VA/AP
 Sample : K1861-04
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:21:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

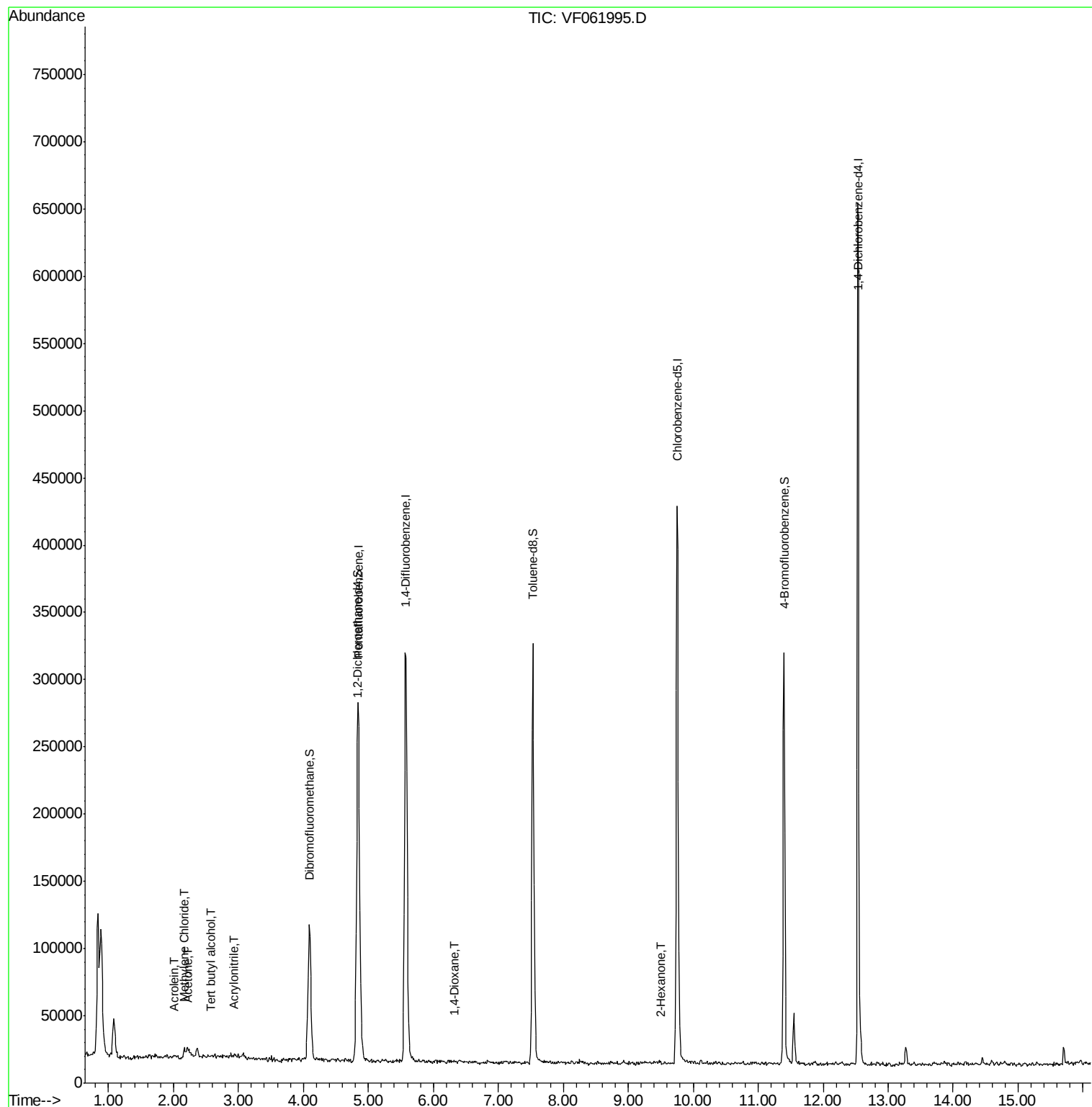
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	255328	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	394468	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	335499	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	189396	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	70754	38.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.00%	
35) Dibromofluoromethane	4.09	113	102298	38.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.24%	
50) Toluene-d8	7.53	98	271249	35.03	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.06%	
62) 4-Bromofluorobenzene	11.40	95	120824	39.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	120	1.067	ug/l #	71
13) Acrolein	2.01	56	788	6.490	ug/l	95
15) Acrylonitrile	2.94	53	427	1.249	ug/l #	37
16) Acetone	2.22	43	2618	6.343	ug/l	97
20) Methylene Chloride	2.17	84	2169	1.021	ug/l #	78
49) 1,4-Dioxane	6.33	88	72	6.618	ug/l #	1
59) 2-Hexanone	9.50	43	1036	1.065	ug/l #	23

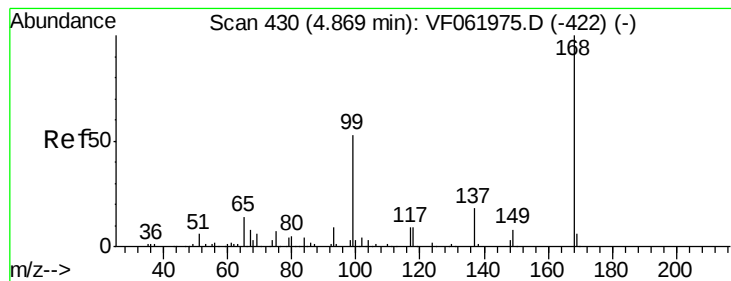
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

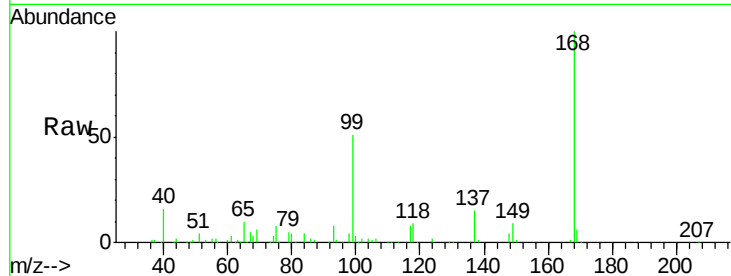
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 255328

Ion Ratio Lower Upper

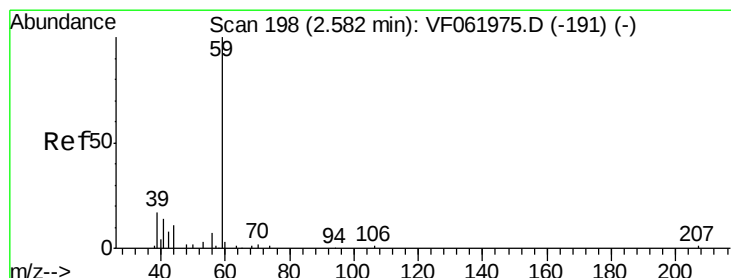
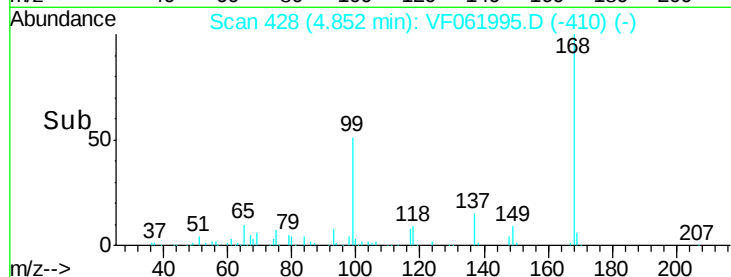
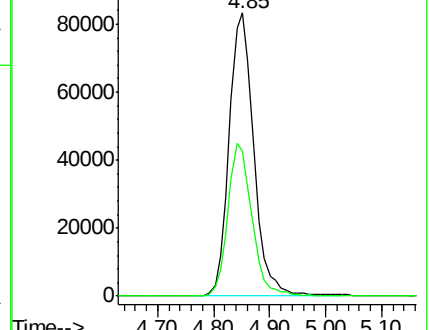
168 100

99 51.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.067 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061995.D

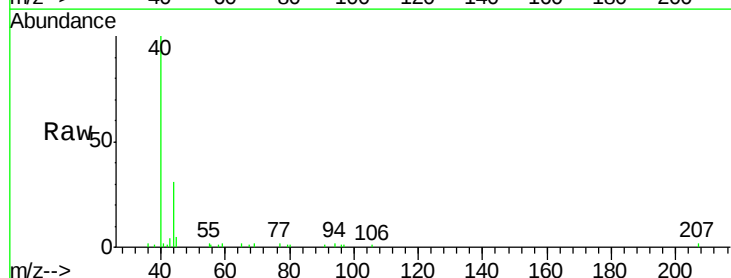
Acq: 18 Mar 2019 14:08

Tgt Ion: 59 Resp: 120

Ion Ratio Lower Upper

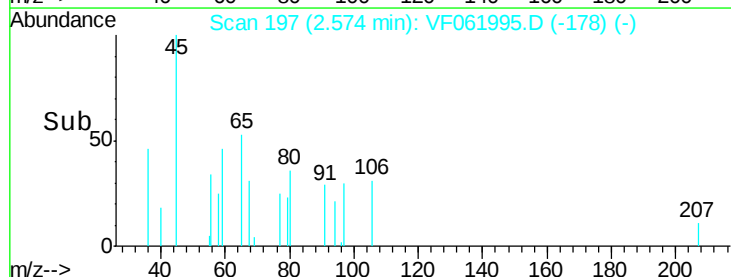
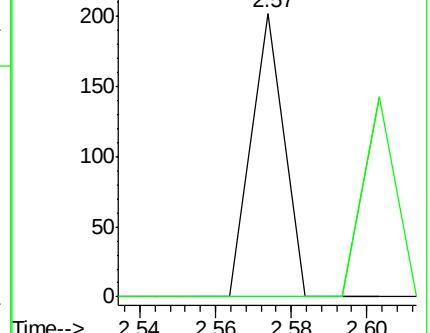
59 100

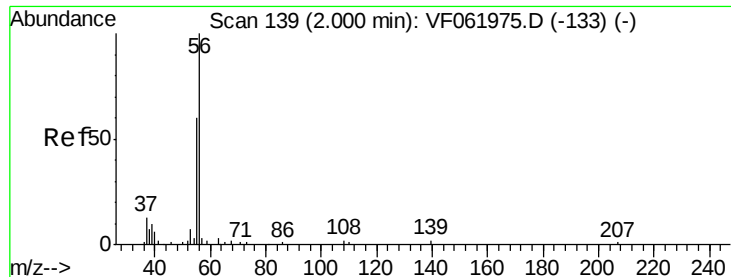
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 6.490 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

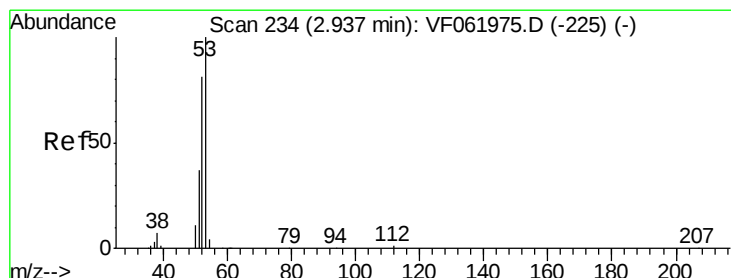
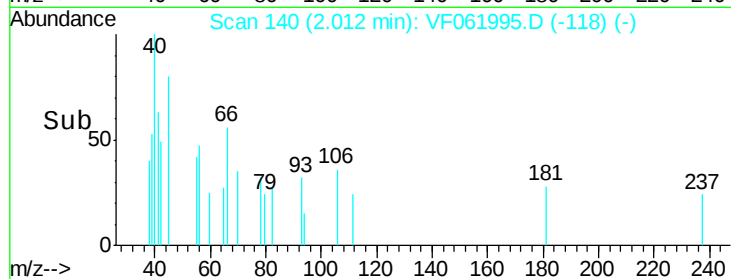
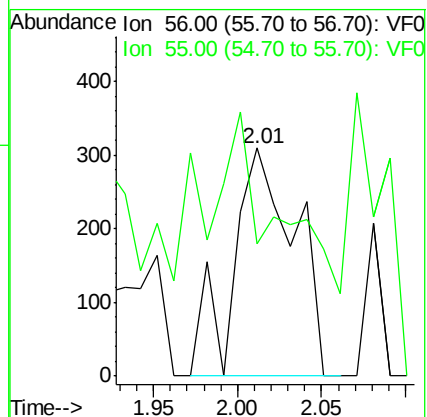
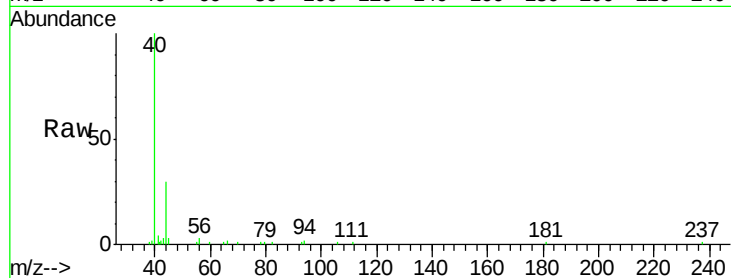
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 788

Ion Ratio Lower Upper

56 100

55 57.9 49.1 73.7



#15

Acrylonitrile

Concen: 1.249 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

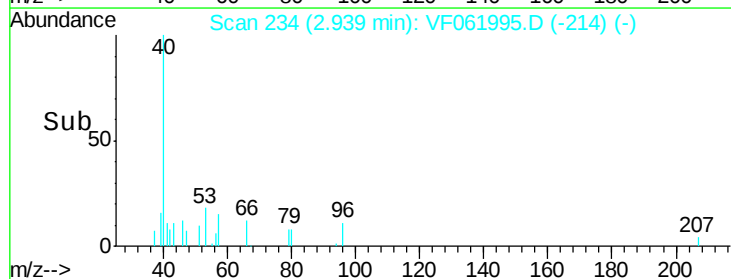
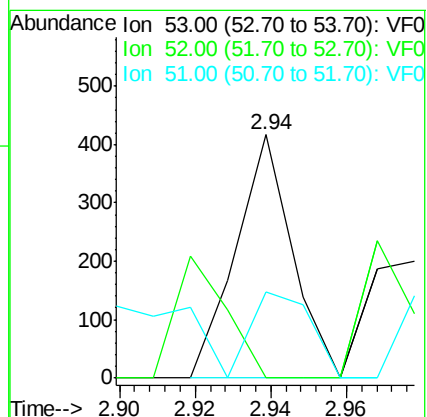
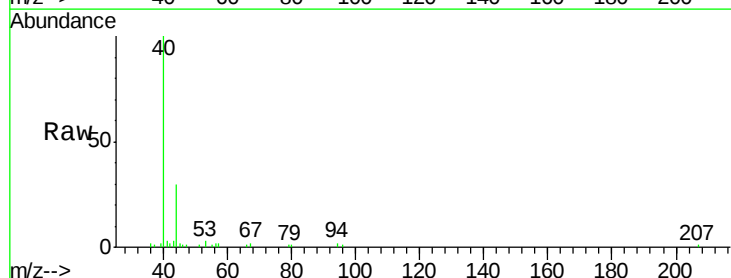
Tgt Ion: 53 Resp: 427

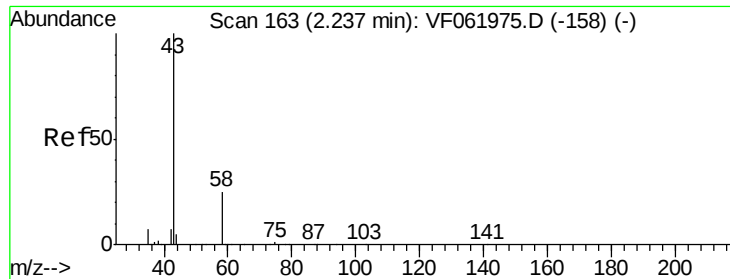
Ion Ratio Lower Upper

53 100

52 0.0 64.4 96.6#

51 35.5 30.3 45.5





#16

Acetone

Concen: 6.343 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

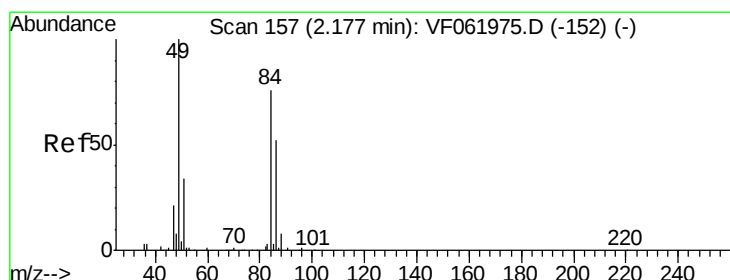
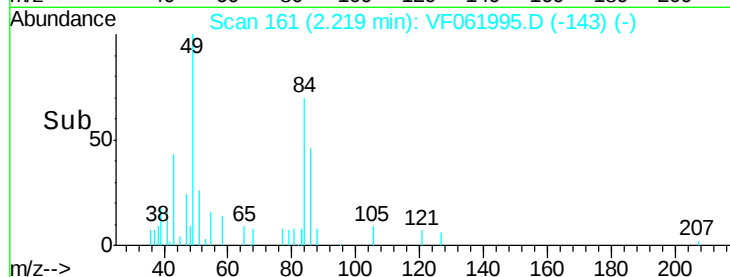
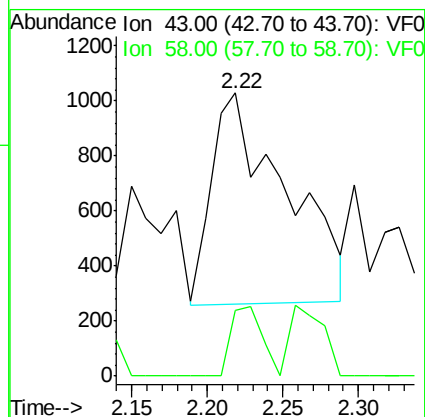
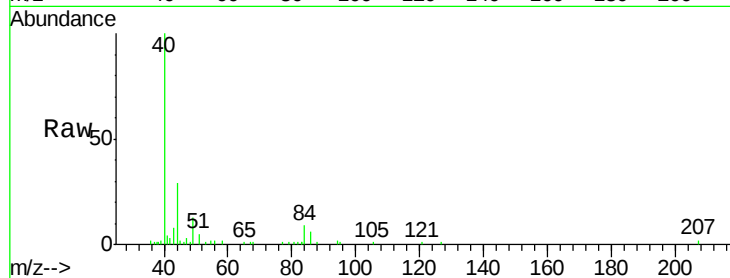
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2618

Ion Ratio Lower Upper

43 100

58 23.2 19.9 29.9



#20

Methylene Chloride

Concen: 1.021 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

Tgt Ion: 84 Resp: 2169

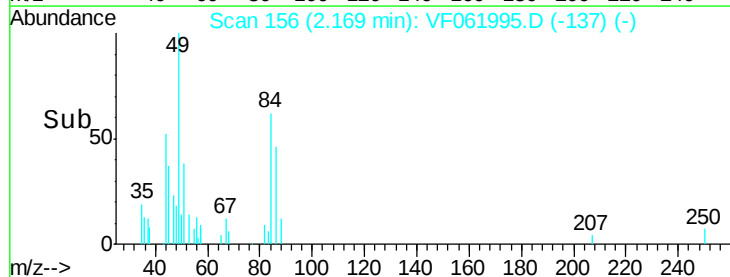
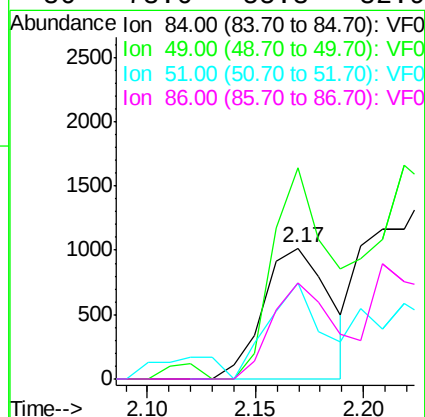
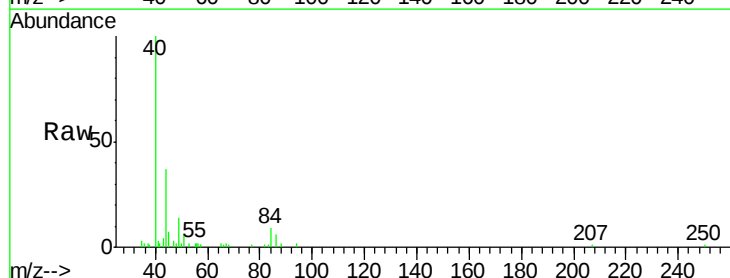
Ion Ratio Lower Upper

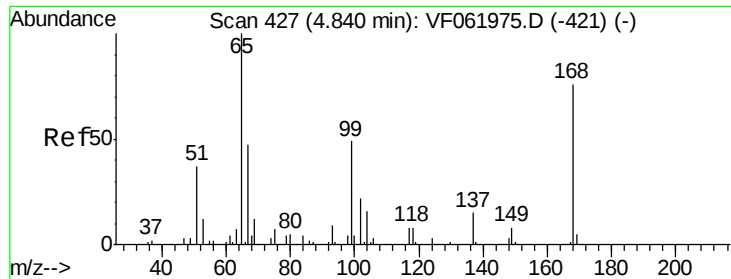
84 100

49 161.7 107.0 160.6#

51 73.0 37.2 55.8#

86 73.6 55.3 82.9





#33

1,2-Dichloroethane-d4

Concen: 38.496 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

Instrument :

MSVOA_F

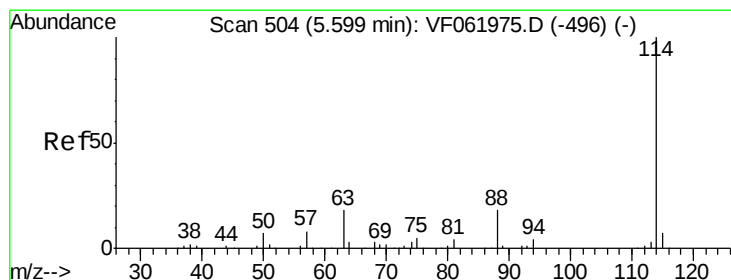
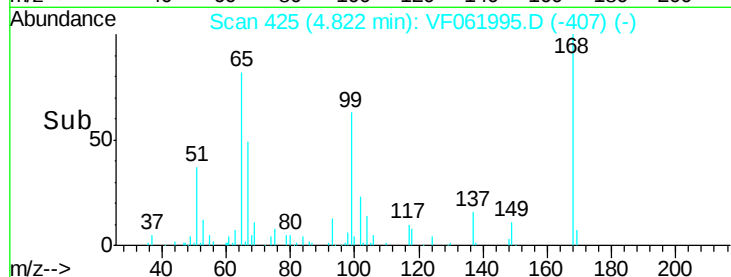
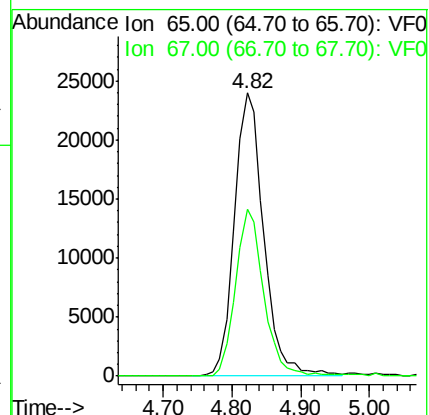
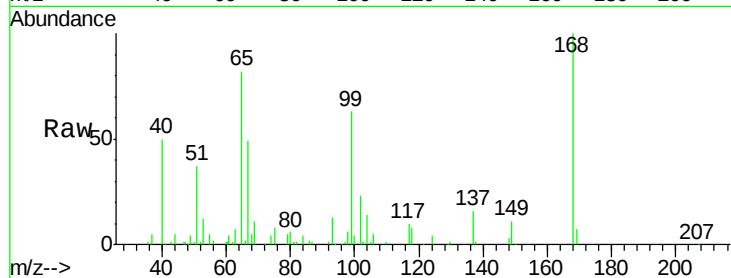
ClientSampleId :

Tot Ion: 65 Resp: 70754

Ion Ratio Lower Upper

65 100

67 58.8 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

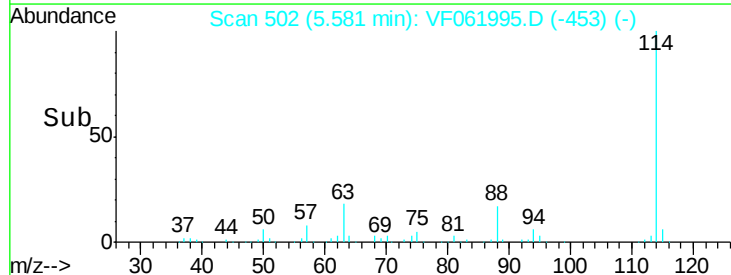
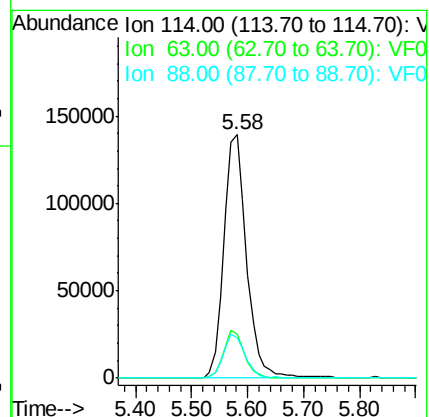
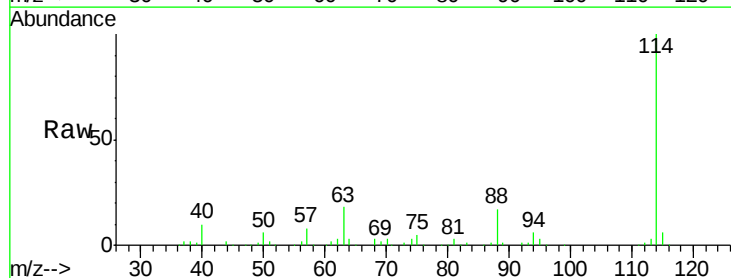
Tgt Ion: 114 Resp: 394468

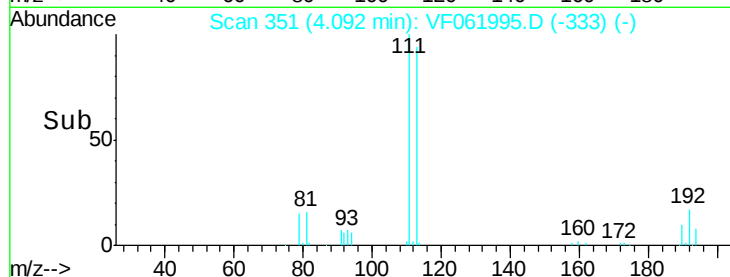
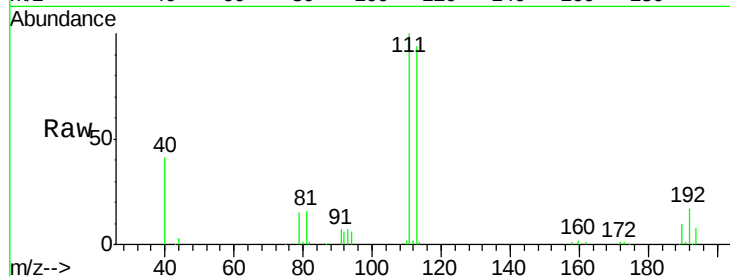
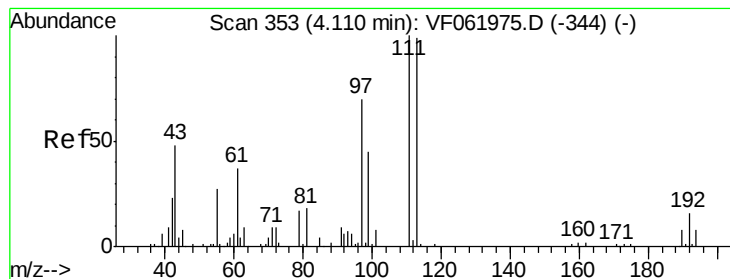
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 16.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 38.619 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

Instrument :

MSVOA_F

ClientSampleId :

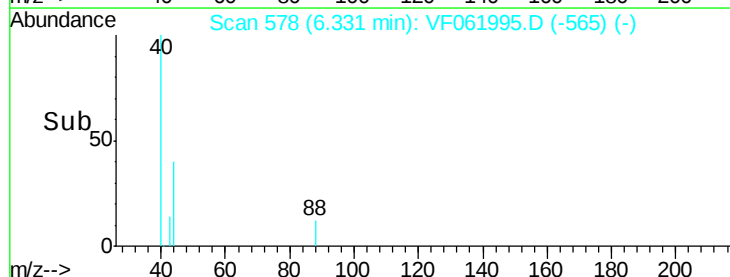
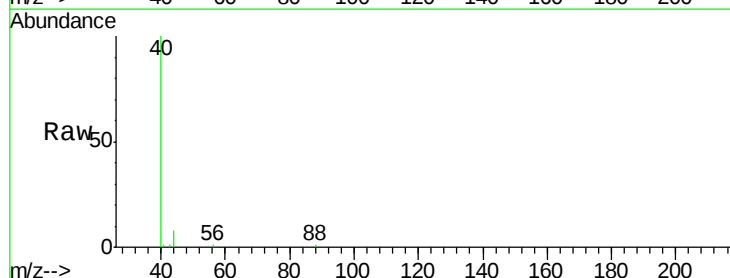
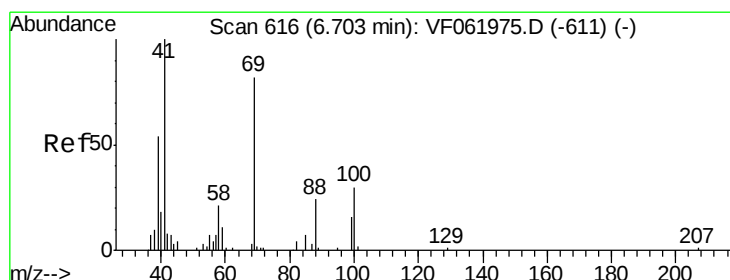
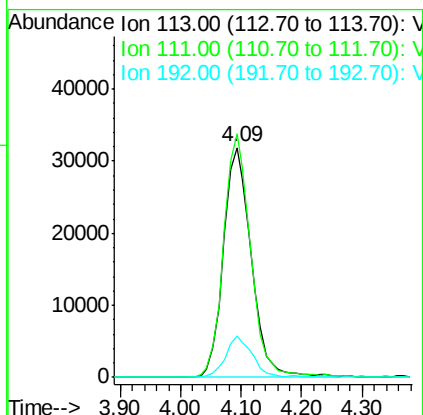
Tot Ion:113 Resp: 102298

Ion Ratio Lower Upper

113 100

111 105.9 80.8 121.2

192 18.6 13.0 19.6



#49

1,4-Dioxane

Concen: 6.618 ug/l

RT: 6.33 min Scan# 578

Delta R.T. -0.37 min

Lab File: VF061995.D

Acq: 18 Mar 2019 14:08

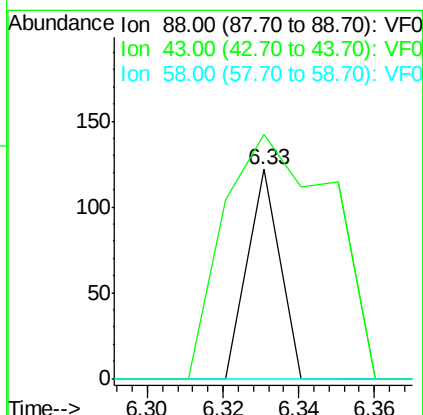
Tgt Ion: 88 Resp: 72

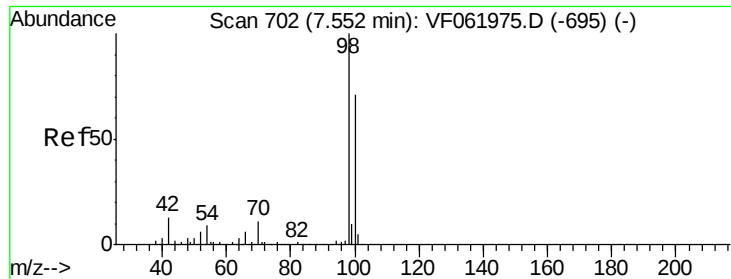
Ion Ratio Lower Upper

88 100

43 116.4 31.2 46.8#

58 0.0 69.9 104.9#

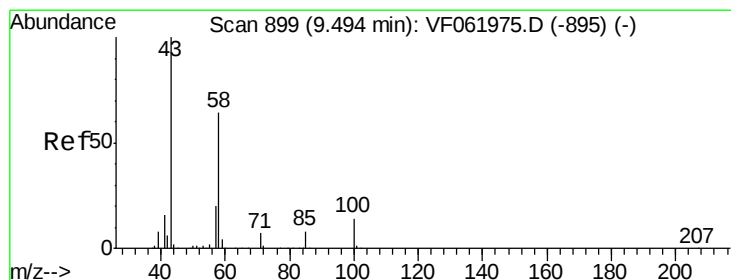
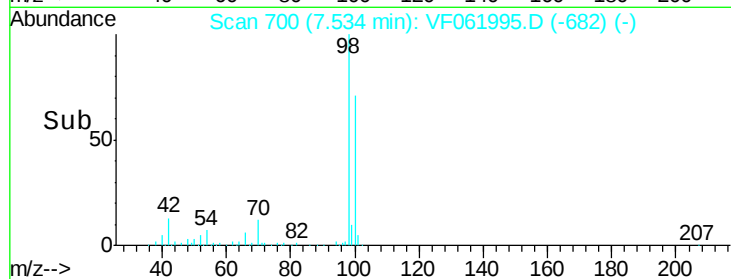
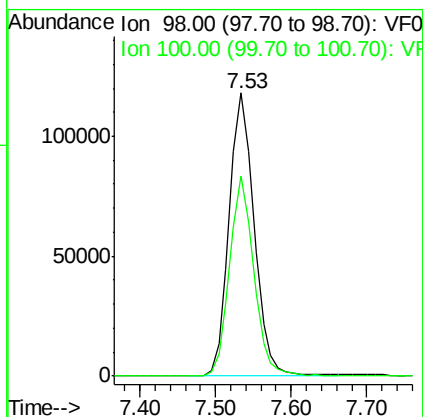
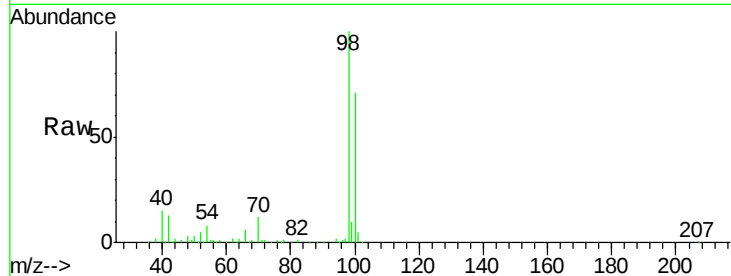




#50
Toluene-d8
Concen: 35.029 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061995.D
Acq: 18 Mar 2019 14:08

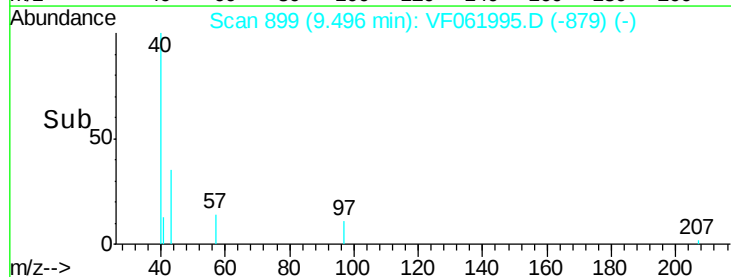
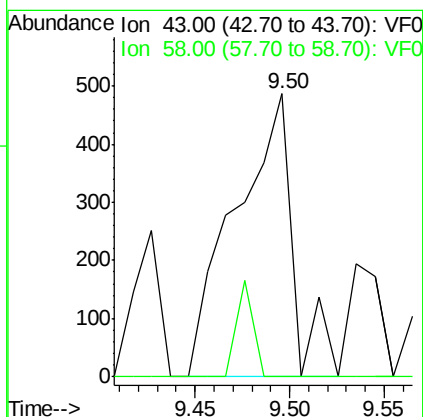
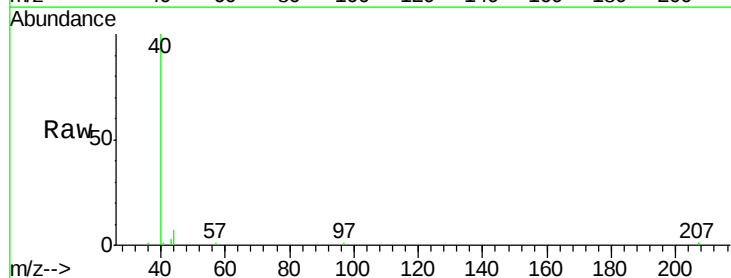
Instrument :
MSVOA_F
ClientSampled :

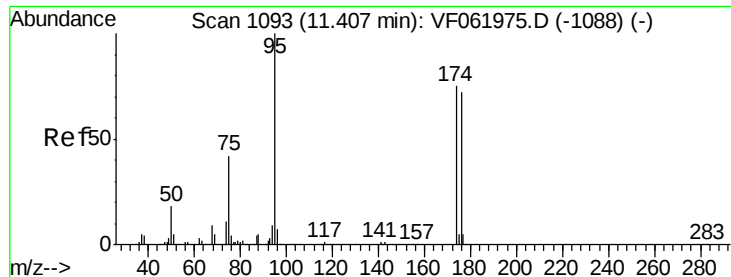
Tot Ion: 98 Resp: 271249
Ion Ratio Lower Upper
98 100
100 70.6 56.8 85.2



#59
2-Hexanone
Concen: 1.065 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061995.D
Acq: 18 Mar 2019 14:08

Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#

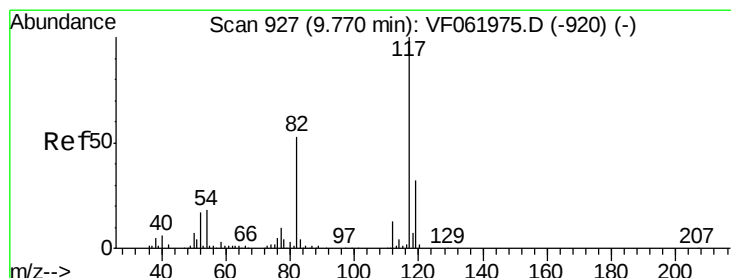
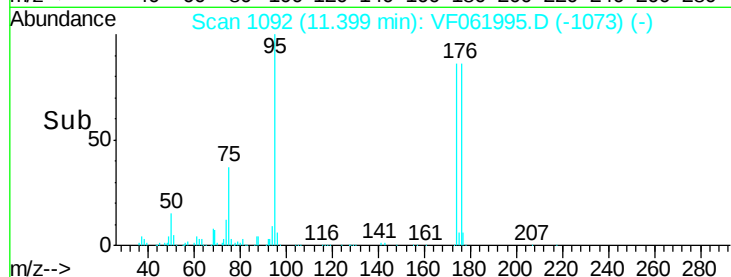
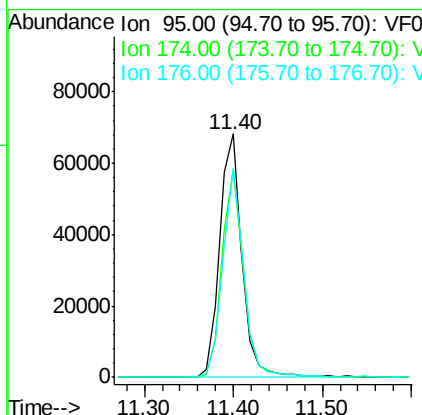
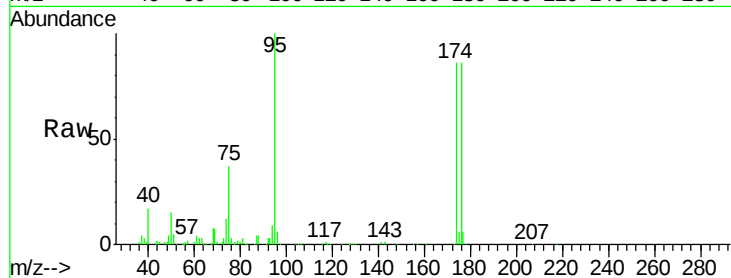




#62
4-Bromofluorobenzene
Concen: 39.277 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061995.D
Acq: 18 Mar 2019 14:08

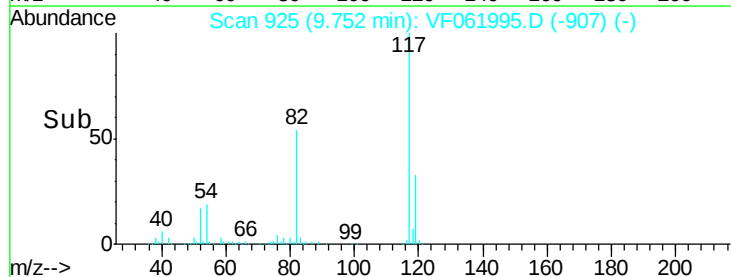
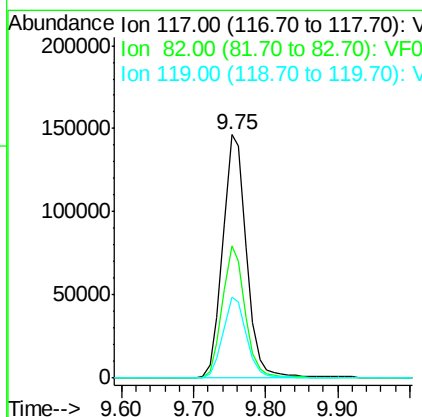
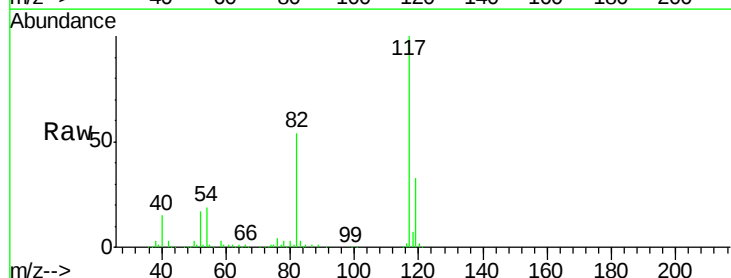
Instrument :
MSVOA_F
ClientSampleId :

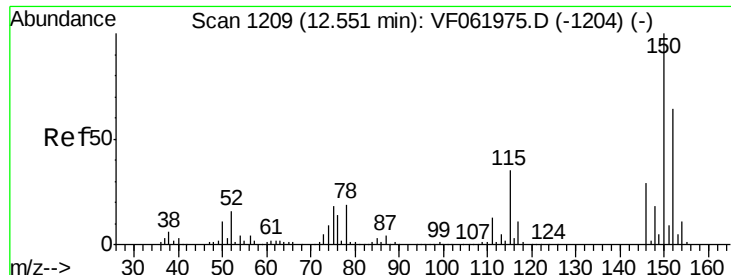
Tot Ion: 95 Resp: 120824
Ion Ratio Lower Upper
95 100
174 85.6 0.0 149.4
176 85.7 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061995.D
Acq: 18 Mar 2019 14:08

Tgt Ion: 117 Resp: 335499
Ion Ratio Lower Upper
117 100
82 54.3 42.5 63.7
119 33.3 25.4 38.0

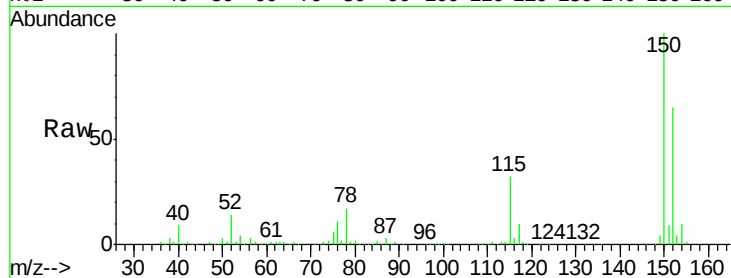




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061995.D
 Acq: 18 Mar 2019 14:08

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.6	27.3	81.9
150	153.2	0.0	316.2



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

