

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062107.D
 Acq On : 23 Mar 2019 5:21
 Operator : VA/AP
 Sample : K2056-01
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-7

Quant Time: Mar 23 06:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

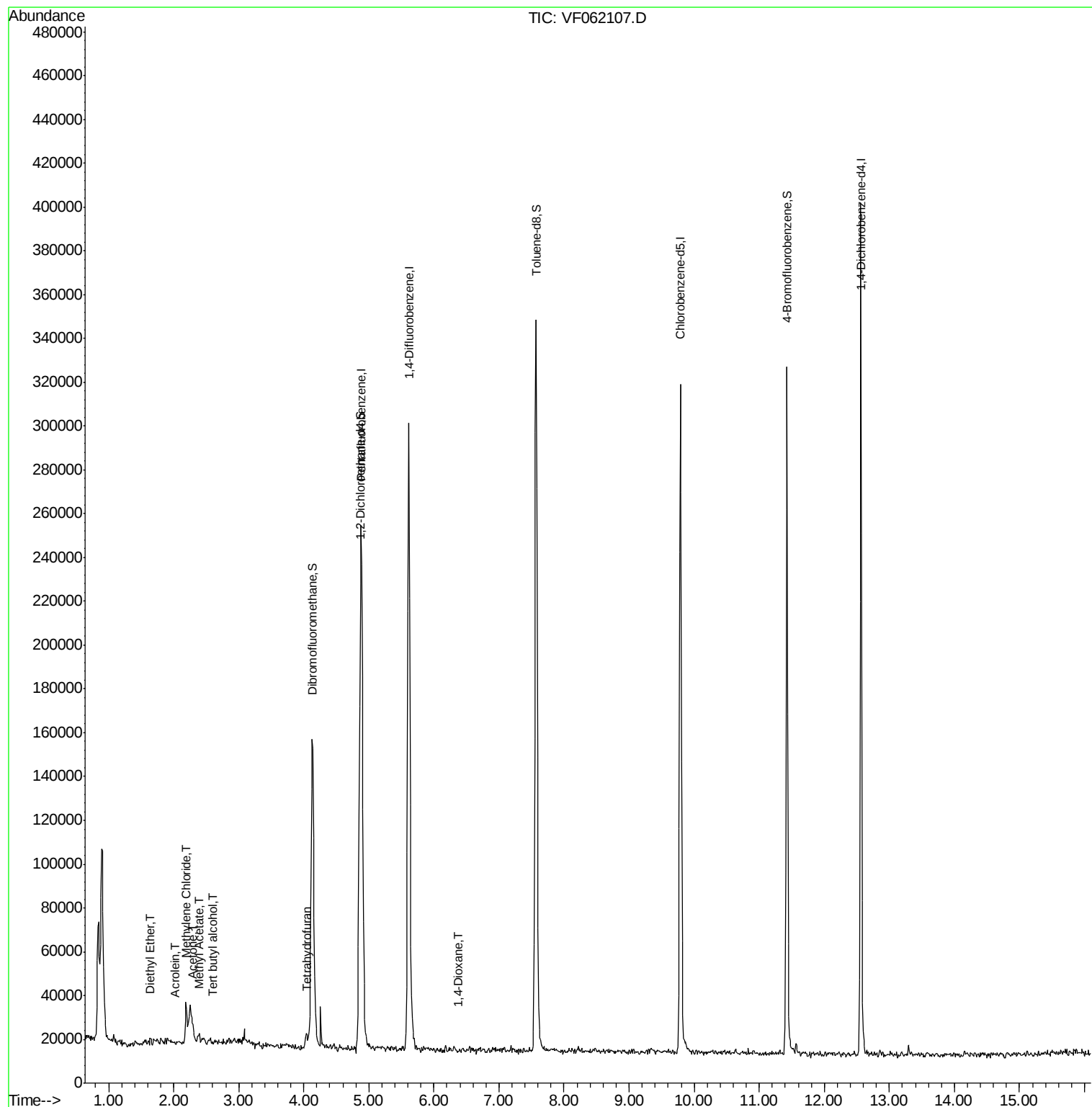
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	215549	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	361947	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	247153	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	105840	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	91535	57.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.18%	
35) Dibromofluoromethane	4.14	113	140722	57.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	114.94%	
50) Toluene-d8	7.57	98	296526	40.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.14%	
62) 4-Bromofluorobenzene	11.43	95	118862	42.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	933	1.265	ug/l	81
11) Tert butyl alcohol	2.59	59	219	2.483	ug/l #	1
13) Acrolein	2.03	56	179	1.687	ug/l #	69
16) Acetone	2.29	43	2261	6.701	ug/l #	49
18) Methyl Acetate	2.38	43	3275	4.069	ug/l #	56
20) Methylene Chloride	2.19	84	9658	1.655	ug/l	95
29) Tetrahydrofuran	4.06	42	386	1.260	ug/l #	33
49) 1,4-Dioxane	6.37	88	72	7.898	ug/l #	25

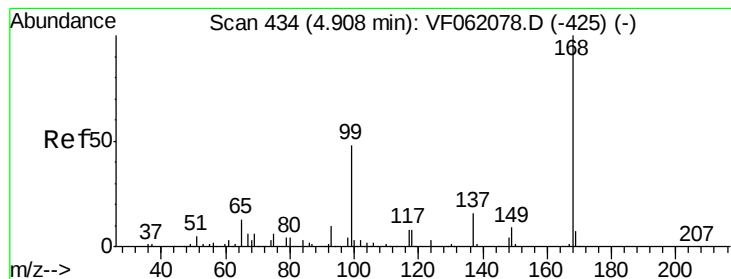
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CS-7

Quant Time: Mar 23 06:38:49 2019
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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

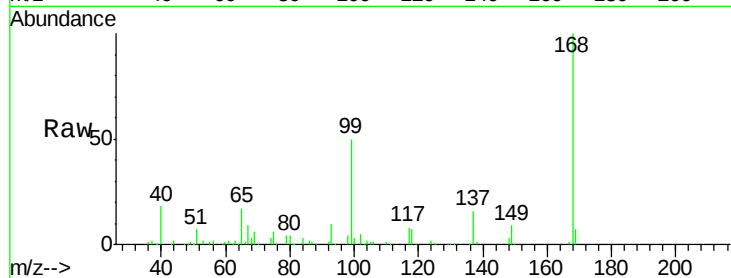
Instrument :
MSVOA_F
ClientSampled :
CS-7

Tot Ion:168 Resp: 215549

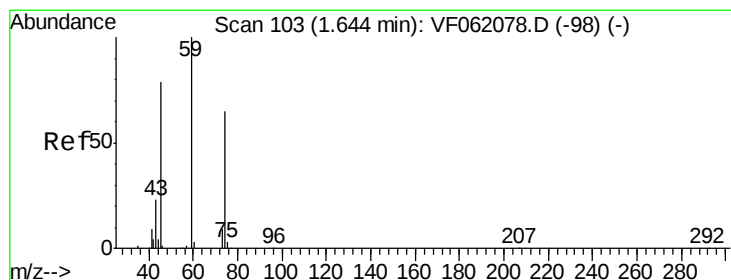
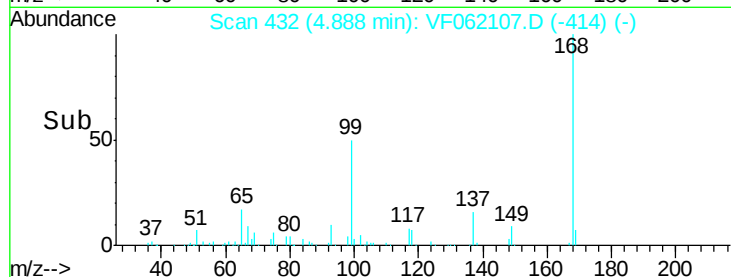
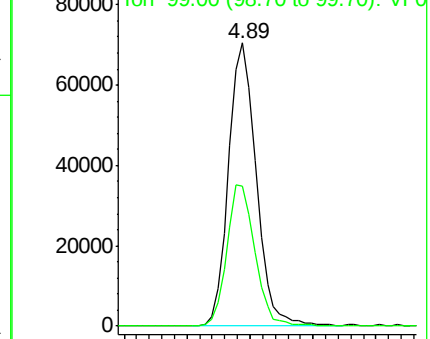
Ion Ratio Lower Upper

168 100

99 49.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF062107.D

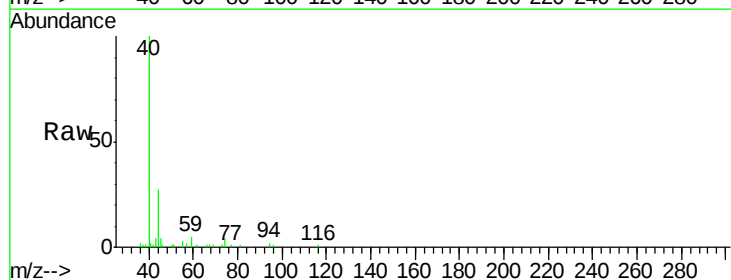
Acq: 23 Mar 2019 5:21

Tgt Ion: 74 Resp: 933

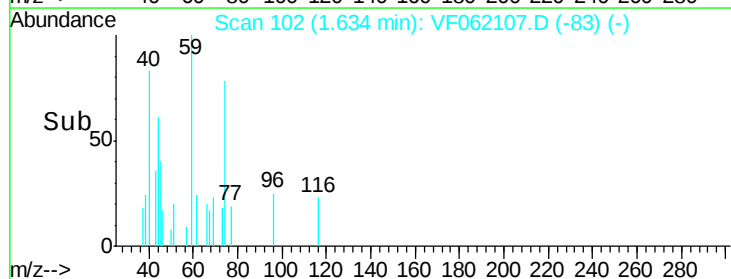
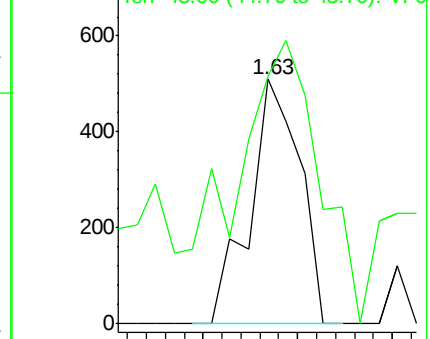
Ion Ratio Lower Upper

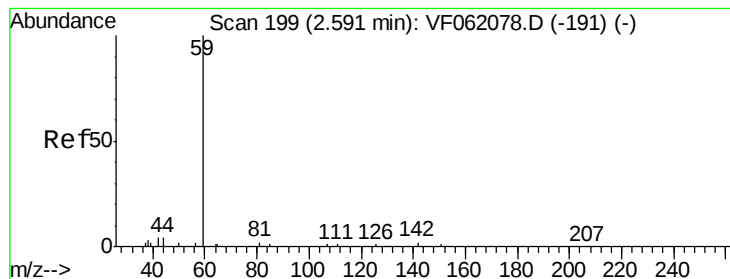
74 100

45 101.4 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0



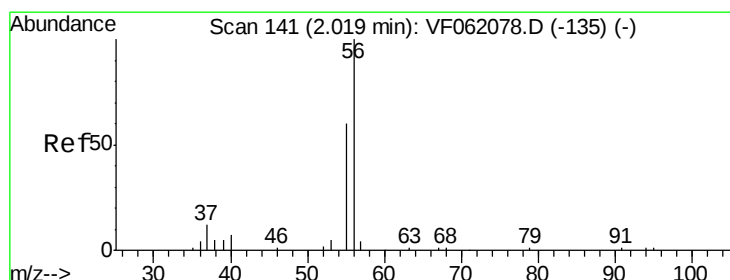
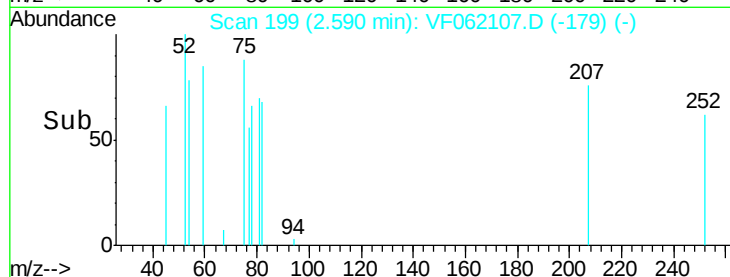
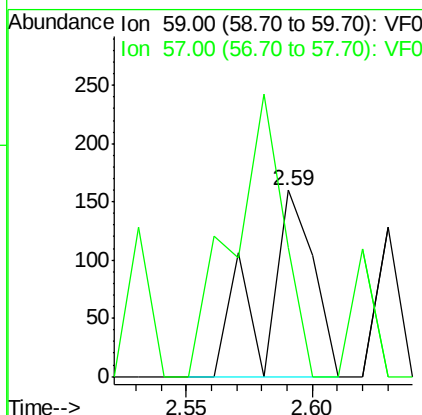
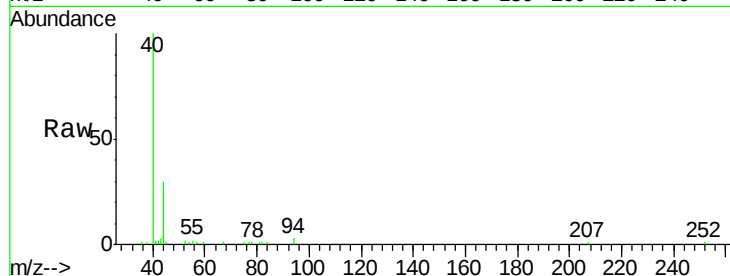


#11

Tert butyl alcohol
 Concen: 2.483 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Instrument :
 MSVOA_F
 ClientSampled :
 CS-7

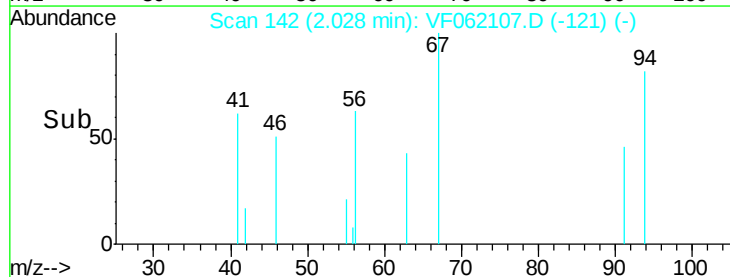
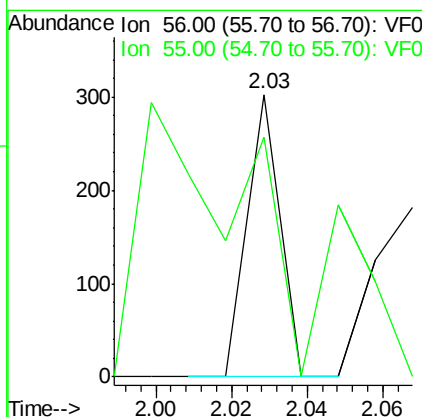
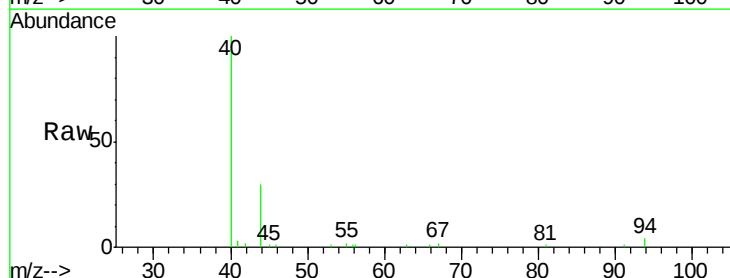
Tot Ion: 59 Resp: 219
 Ion Ratio Lower Upper
 59 100
 57 69.4 11.0 16.4#

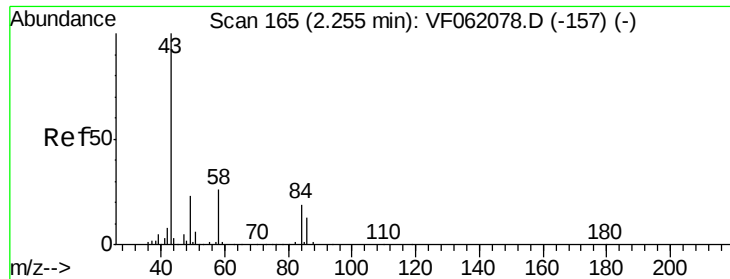


#13

Acrolein
 Concen: 1.687 ug/l
 RT: 2.03 min Scan# 142
 Delta R.T. 0.01 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Tgt Ion: 56 Resp: 179
 Ion Ratio Lower Upper
 56 100
 55 84.8 49.0 73.4#





#16

Acetone

Concen: 6.701 ug/l

RT: 2.29 min Scan# 169

Delta R.T. 0.04 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :

MSVOA_F

ClientSampleId :

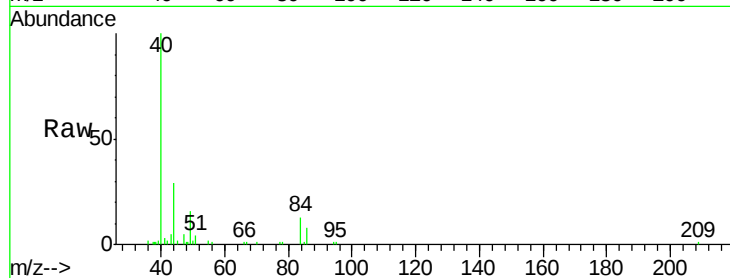
CS-7

Tot Ion: 43 Resp: 2261

Ion Ratio Lower Upper

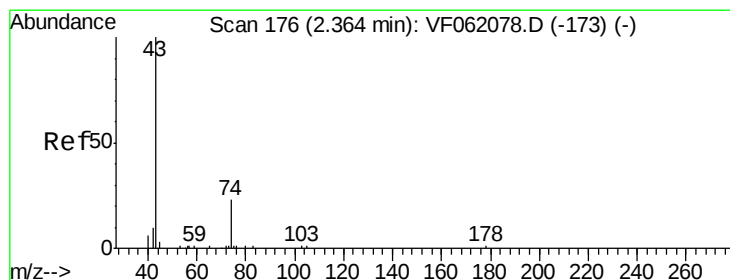
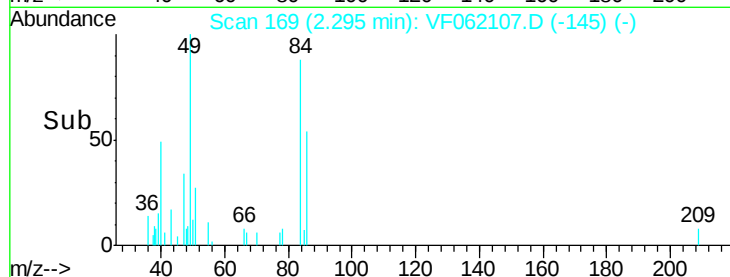
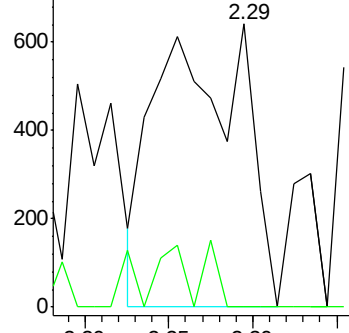
43 100

58 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 4.069 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.02 min

Lab File: VF062107.D

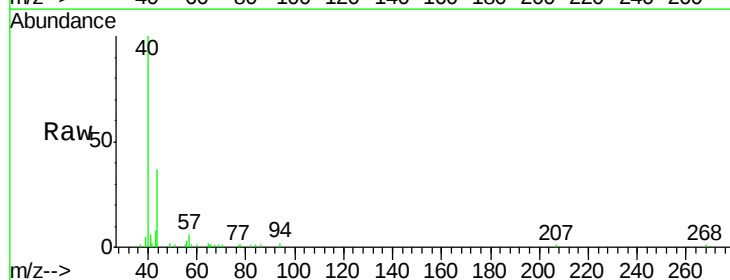
Acq: 23 Mar 2019 5:21

Tgt Ion: 43 Resp: 3275

Ion Ratio Lower Upper

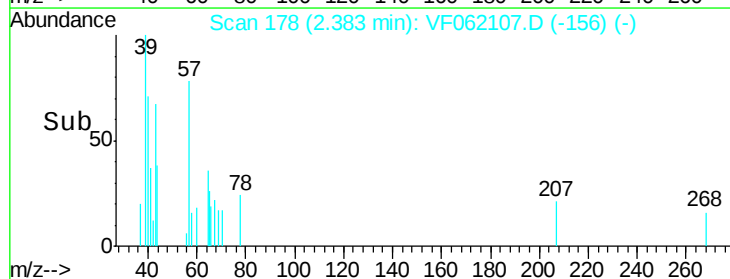
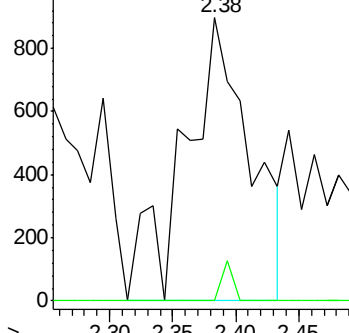
43 100

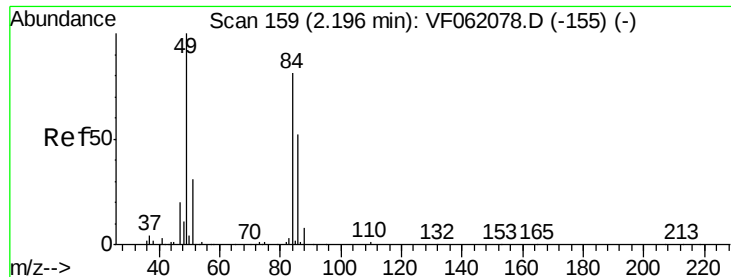
74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#20

Methylene Chloride

Concen: 1.655 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :
MSVOA_F
ClientSampleId :
CS-7

Tot Ion: 84 Resp: 9658

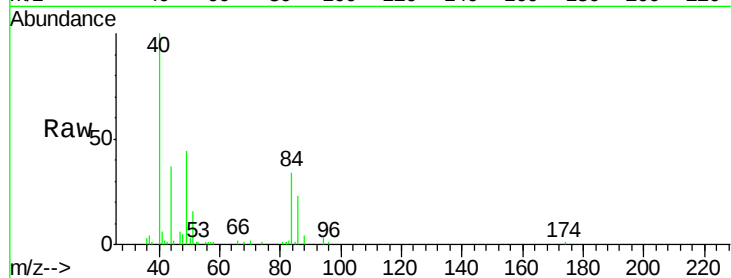
Ion Ratio Lower Upper

84 100

49 129.2 100.4 150.6

51 46.1 31.0 46.6

86 67.2 51.3 76.9

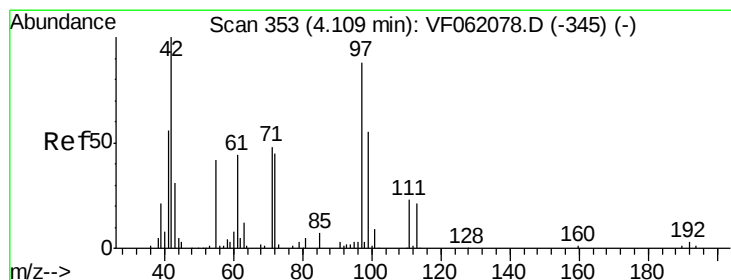
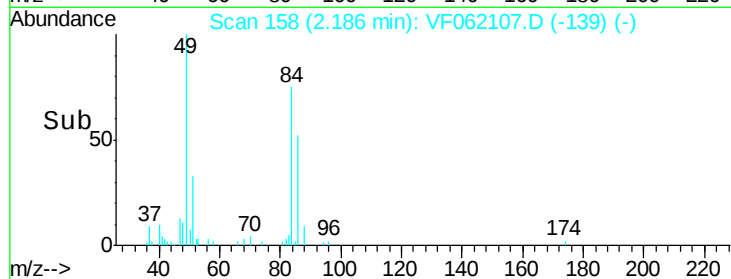
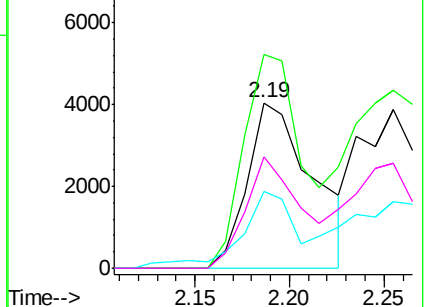


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

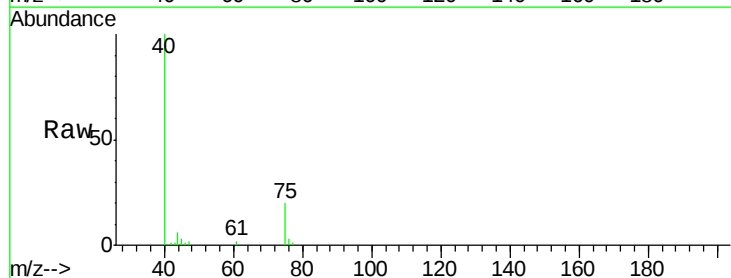
Tgt Ion: 42 Resp: 386

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

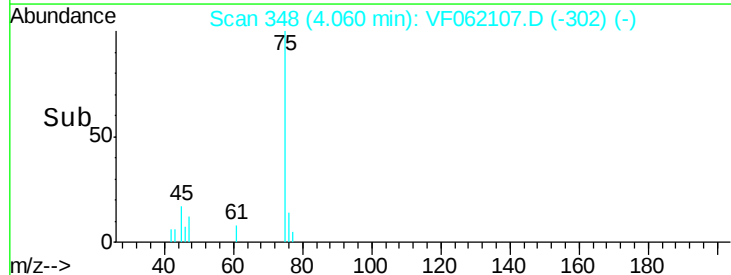
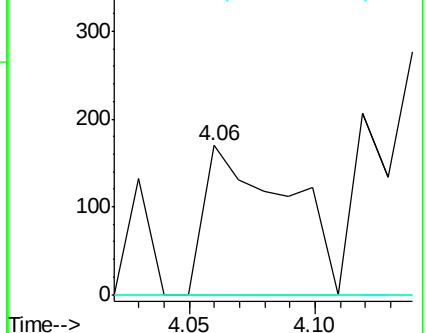
71 0.0 35.0 52.4#

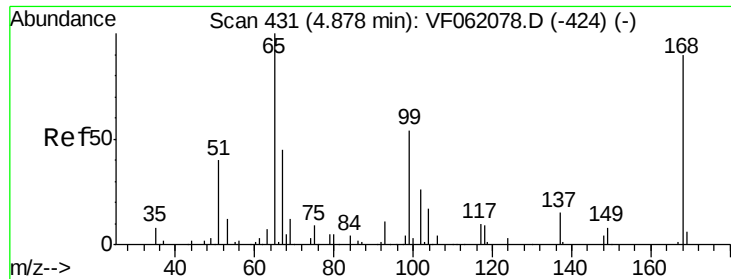


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

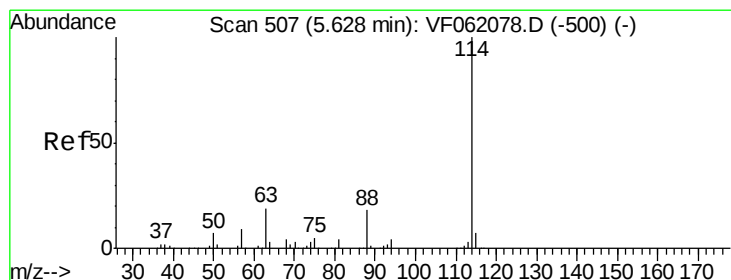
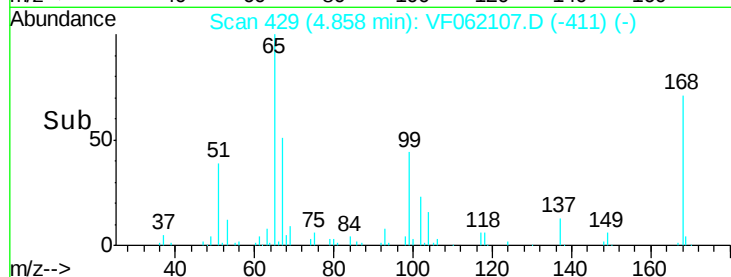
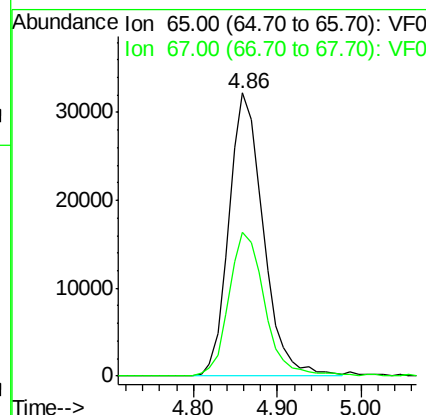
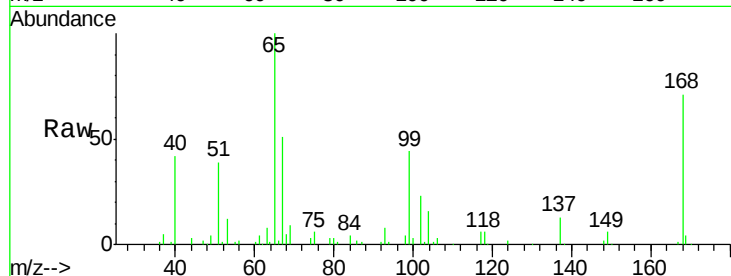




#33
 1,2-Dichloroethane-d4
 Concen: 57.093 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

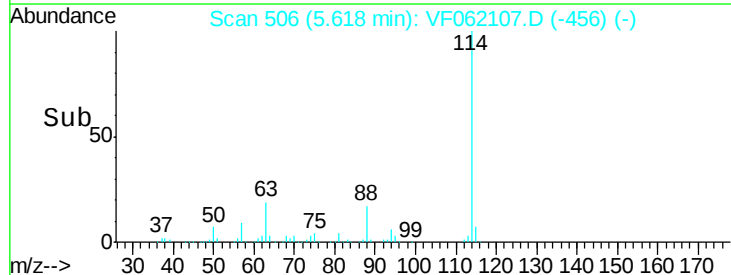
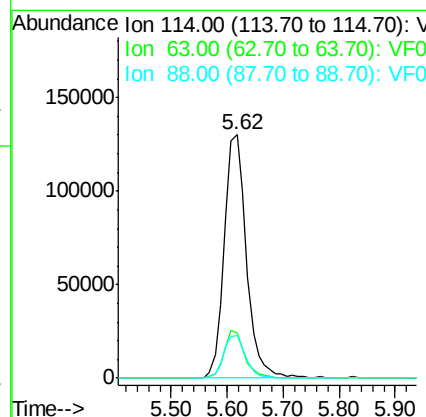
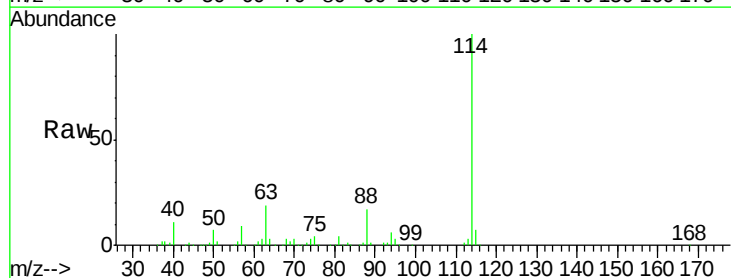
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-7

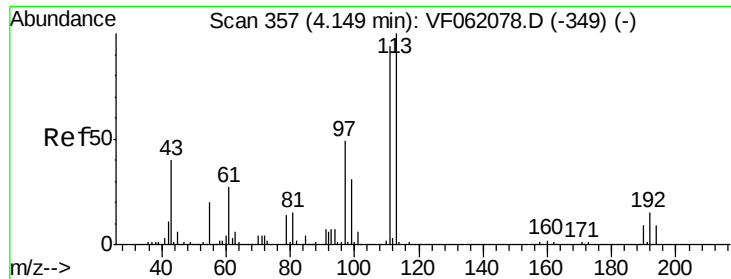
Tot Ion: 65 Resp: 91535
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VF062107.D
 Acq: 23 Mar 2019 5:21

Tgt Ion: 114 Resp: 361947
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 17.4 0.0 36.4





#35

Dibromofluoromethane

Concen: 57.474 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

Instrument :

MSVOA_F

ClientSampled :

CS-7

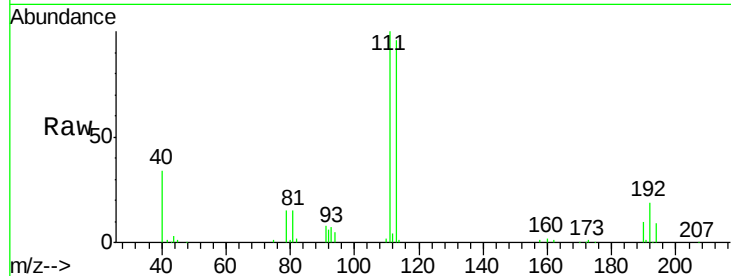
Tot Ion:113 Resp: 140722

Ion Ratio Lower Upper

113 100

111 104.1 75.4 113.0

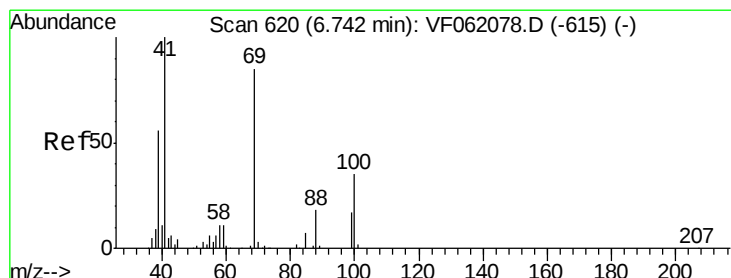
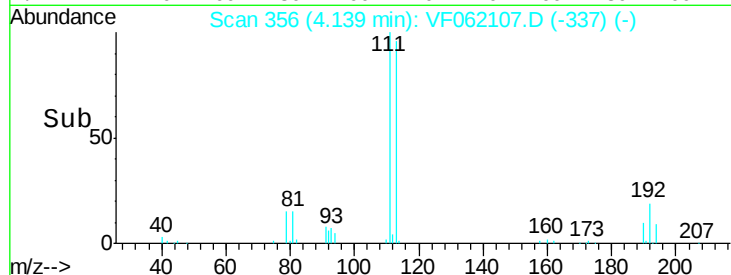
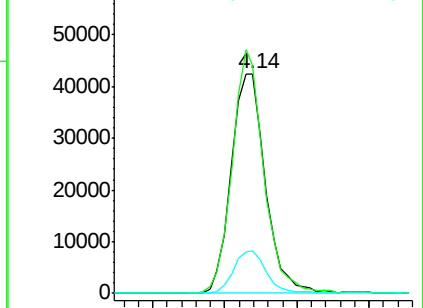
192 19.6 12.3 18.5#



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: 7.898 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.37 min

Lab File: VF062107.D

Acq: 23 Mar 2019 5:21

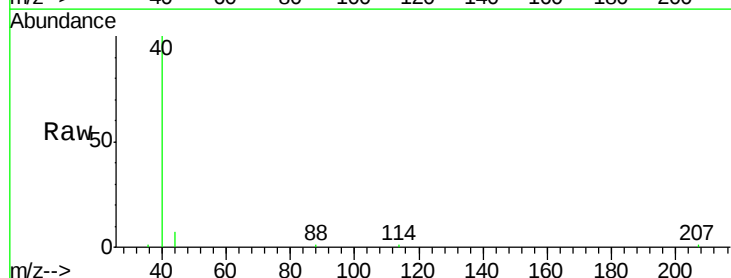
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 35.0 52.4#

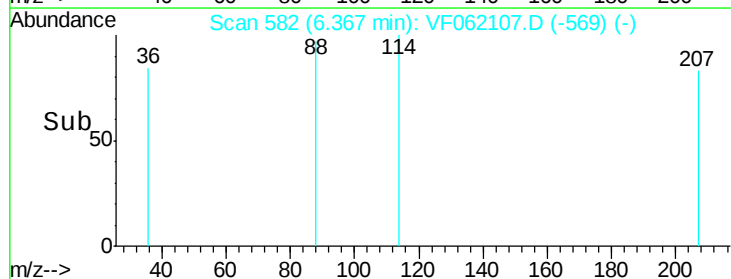
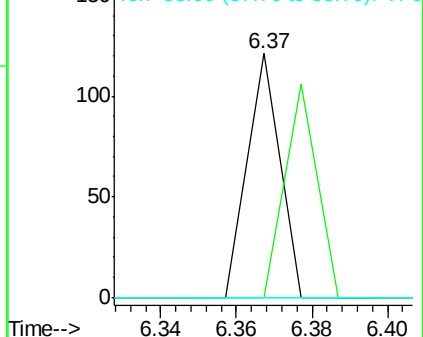
58 0.0 49.9 74.9#

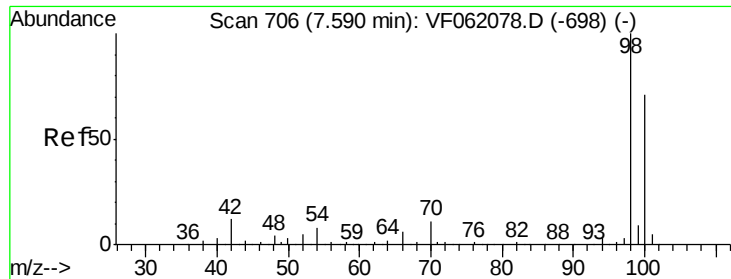


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

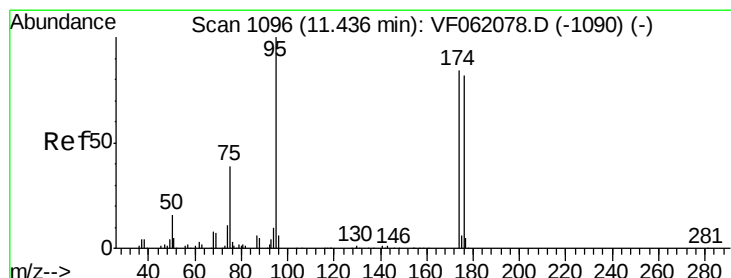
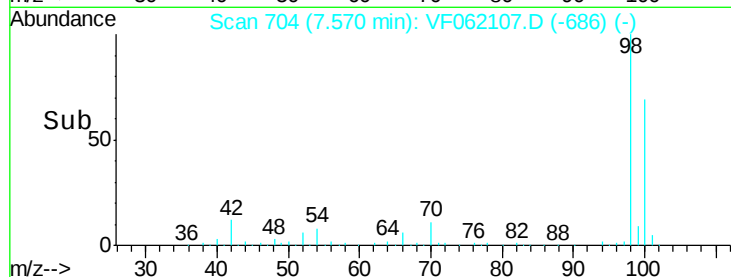
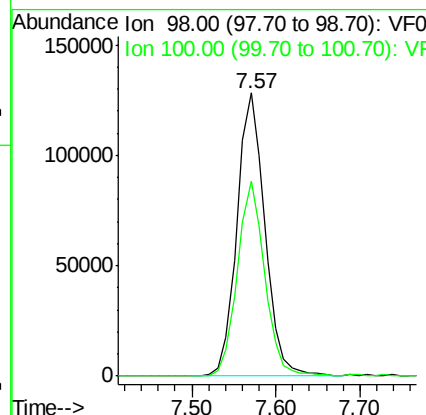
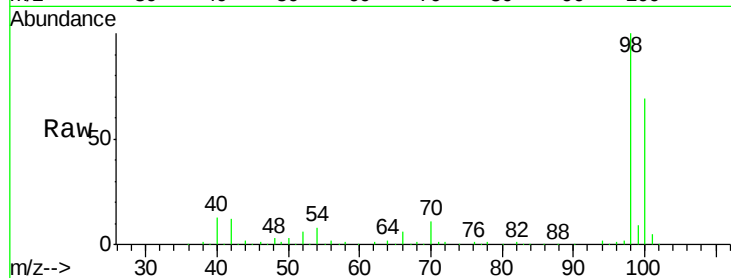




#50
Toluene-d8
Concen: 40.572 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF062107.D
Acq: 23 Mar 2019 5:21

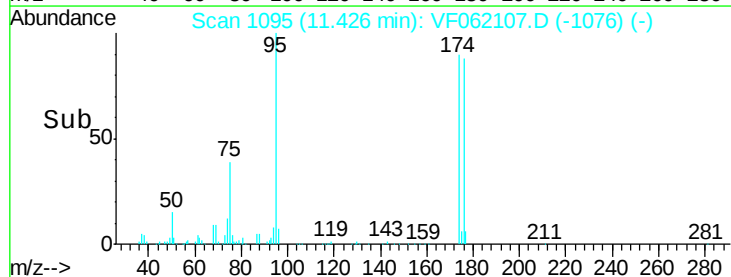
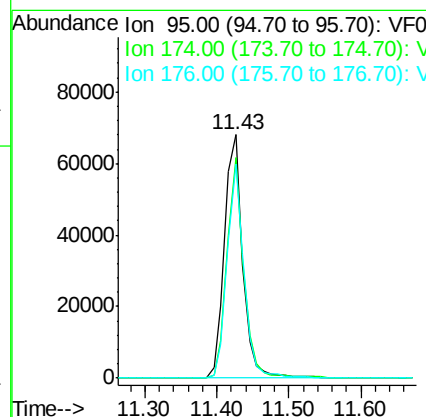
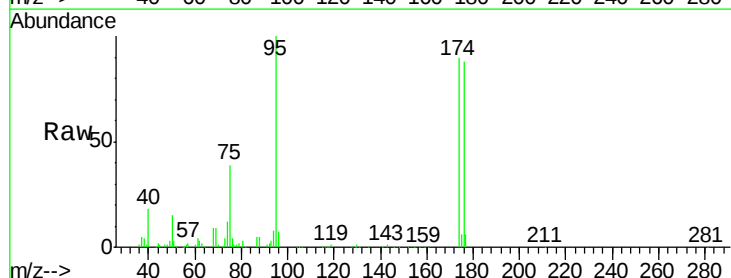
Instrument :
MSVOA_F
ClientSampled :
CS-7

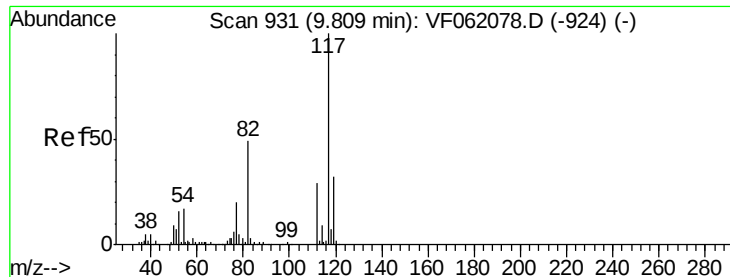
Tot Ion: 98 Resp: 296526
Ion Ratio Lower Upper
98 100
100 69.1 57.0 85.6



#62
4-Bromofluorobenzene
Concen: 42.127 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF062107.D
Acq: 23 Mar 2019 5:21

Tgt Ion: 95 Resp: 118862
Ion Ratio Lower Upper
95 100
174 90.4 0.0 168.2
176 88.0 0.0 164.2

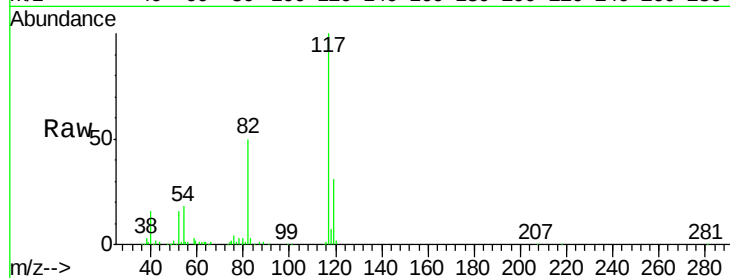




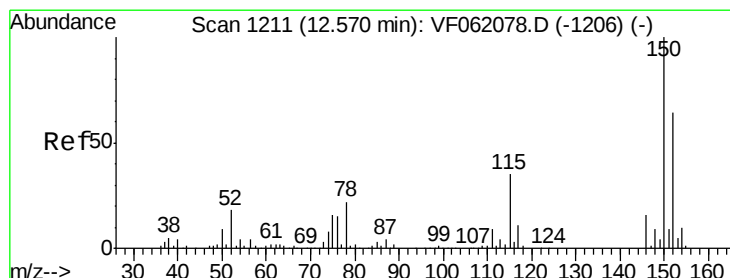
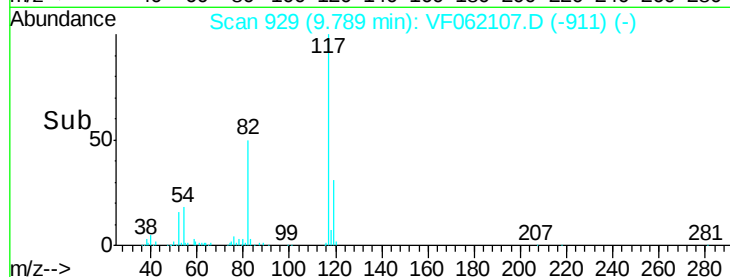
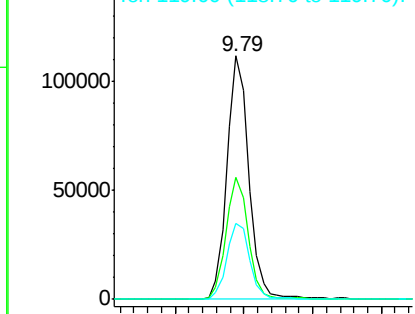
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF062107.D
Acq: 23 Mar 2019 5:21

Instrument :
MSVOA_F
ClientSampled :
CS-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.2	58.8
119	31.4	25.4	38.2

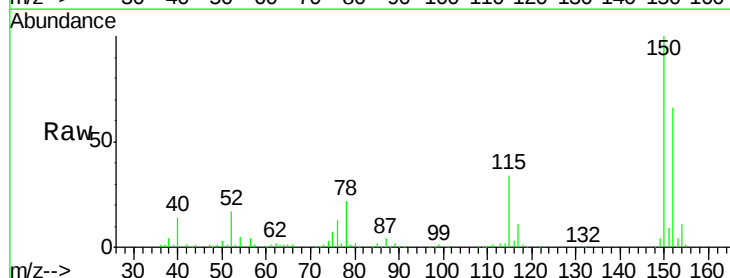


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF062107.D
Acq: 23 Mar 2019 5:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	27.7	83.1
150	152.2	0.0	313.2



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

