

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062098.D
 Acq On : 23 Mar 2019 1:03
 Operator : VA/AP
 Sample : K2050-03
 Misc : 4.30g/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-3

Quant Time: Mar 23 06:33:48 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	182719	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.62	114	268579	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	157955	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	38609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	68962	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	4.14	113	105525	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
50) Toluene-d8	7.58	98	234966	43.33	ug/l	-0.01
Spiked Amount			Recovery	=	86.66%	
62) 4-Bromofluorobenzene	11.43	95	52947	25.29	ug/l	0.00
Spiked Amount			Recovery	=	50.58%	

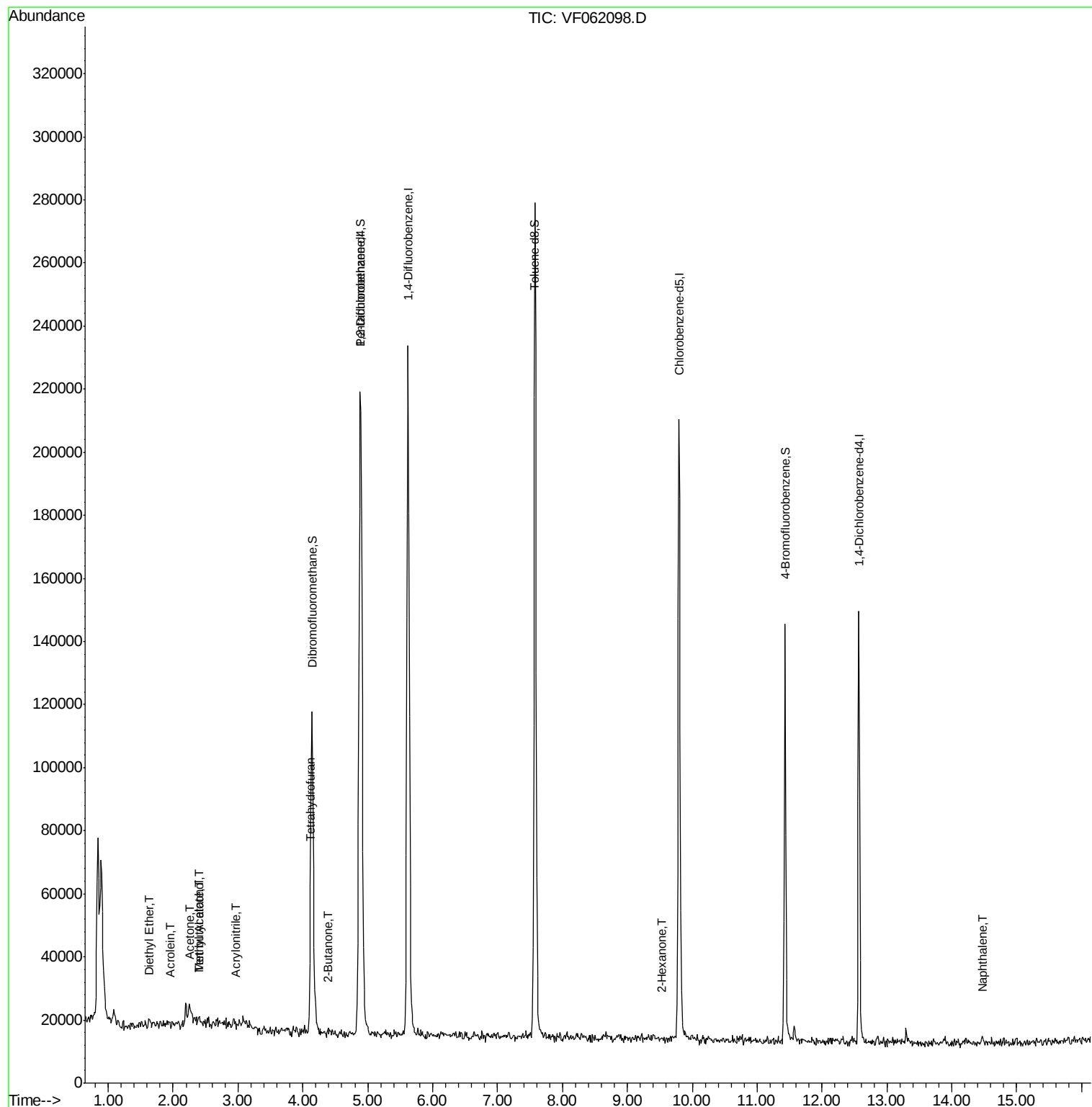
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	657	1.051	ug/l	88
11) Tert butyl alcohol	2.41	59	88	1.177	ug/l #	1
13) Acrolein	1.96	56	239	2.658	ug/l	98
15) Acrylonitrile	2.97	53	846	3.217	ug/l #	14
16) Acetone	2.26	43	684	2.391	ug/l #	49
18) Methyl Acetate	2.39	43	3466	5.080	ug/l #	56
20) Methylene Chloride	2.20	84	2685	Below Cal		92
25) 2-Butanone	4.39	43	1222	2.046	ug/l #	55
29) Tetrahydrofuran	4.10	42	308	1.186	ug/l #	33
59) 2-Hexanone	9.54	43	999	1.504	ug/l #	22
95) Naphthalene	14.47	128	1646	1.164	ug/l #	90

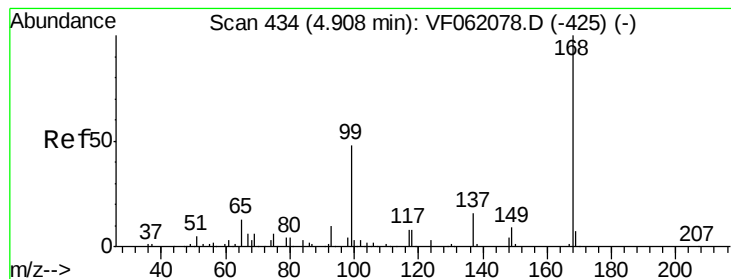
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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Instrument :
MSVOA_F
ClientSampleId :
CS-3

Quant Time: Mar 23 06:33:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
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. -0.01 min

Lab File: VF062098.D

Acq: 23 Mar 2019 1:03

Instrument :

MSVOA_F

ClientSampleId :

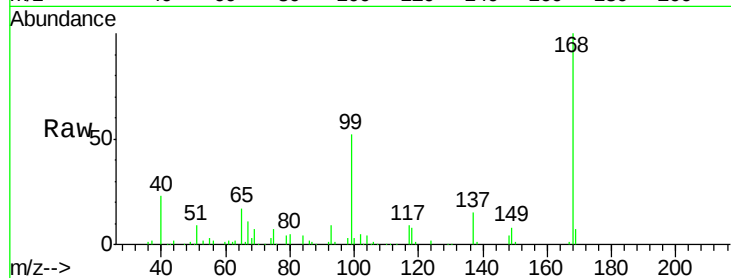
CS-3

Tot Ion:168 Resp: 182719

Ion Ratio Lower Upper

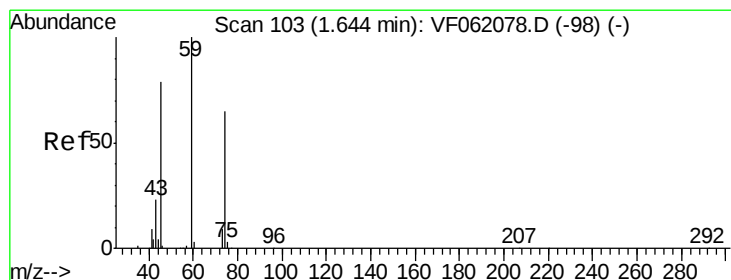
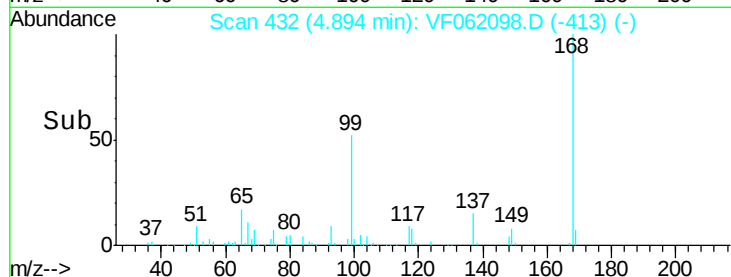
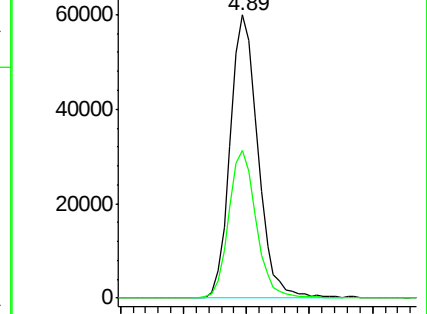
168 100

99 52.2 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.051 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF062098.D

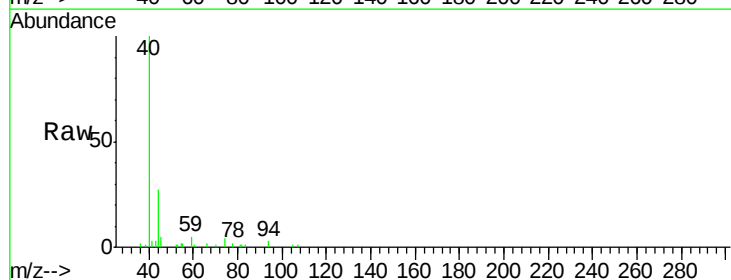
Acq: 23 Mar 2019 1:03

Tgt Ion: 74 Resp: 657

Ion Ratio Lower Upper

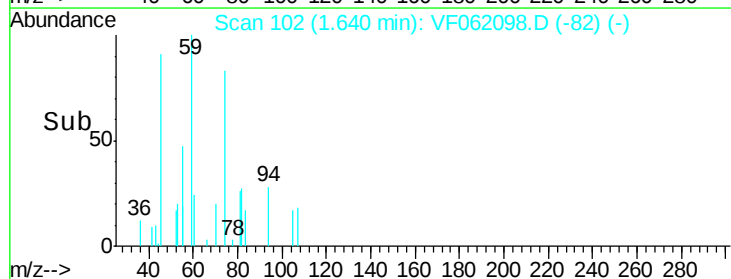
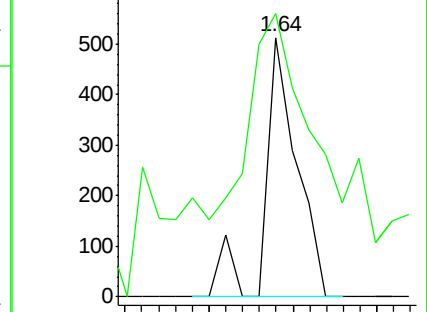
74 100

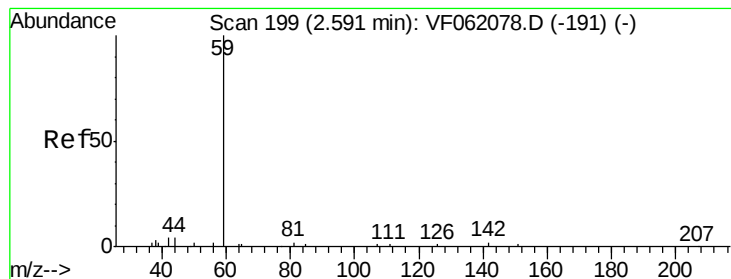
45 109.2 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



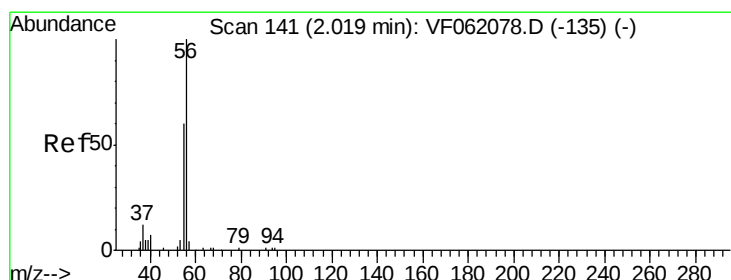
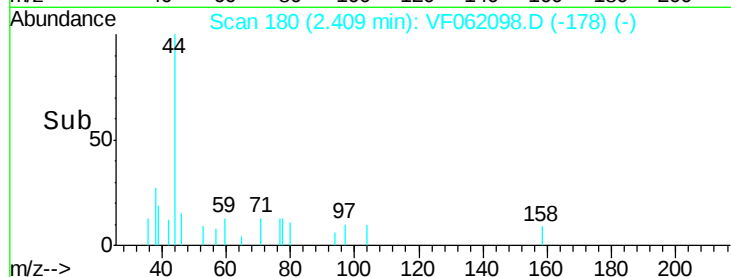
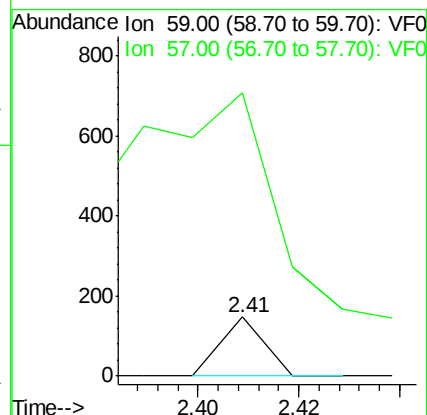
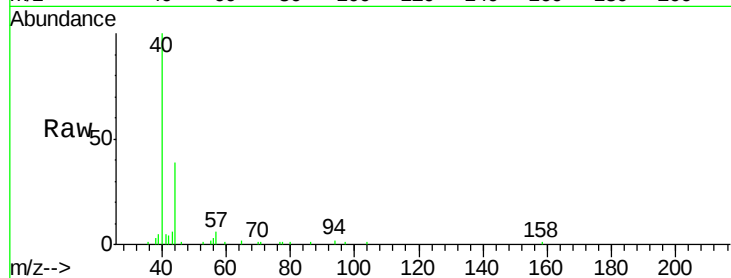


#11

Tert butyl alcohol
Concen: 1.177 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.18 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

Instrument :
MSVOA_F
ClientSampleId :
CS-3

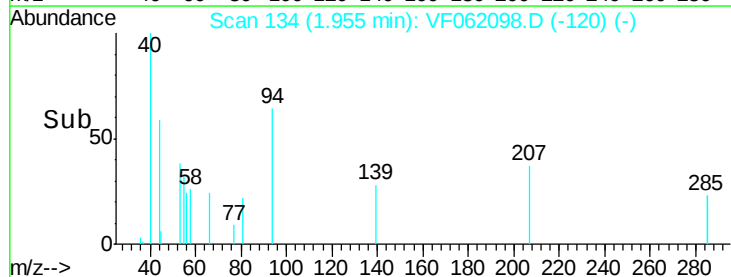
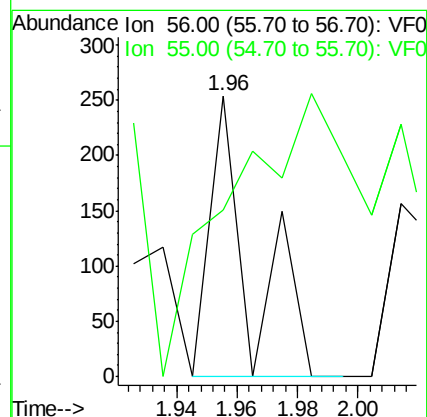
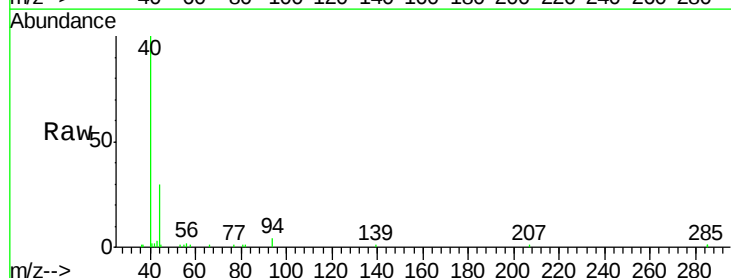
Tot Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 477.7 11.0 16.4#

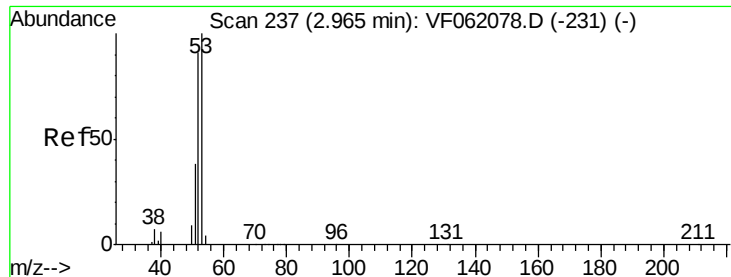


#13

Acrolein
Concen: 2.658 ug/l
RT: 1.96 min Scan# 134
Delta R.T. -0.06 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 59.4 49.0 73.4





#15

Acrylonitrile

Concen: 3.217 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.01 min

Lab File: VF062098.D

Acq: 23 Mar 2019 1:03

Instrument :

MSVOA_F

ClientSampleId :

CS-3

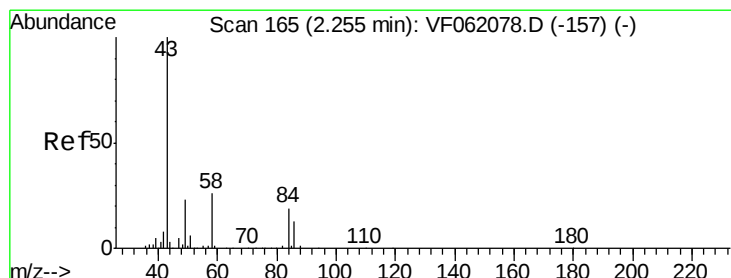
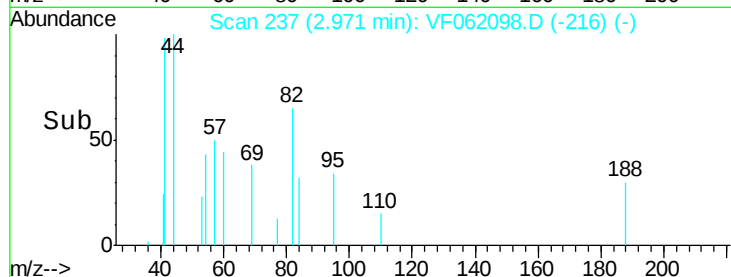
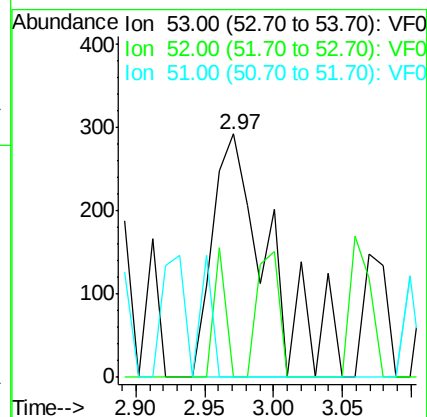
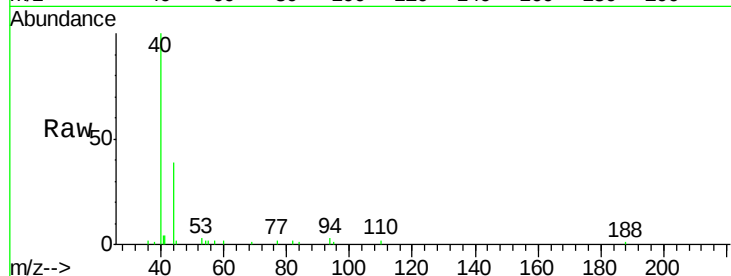
Tot Ion: 53 Resp: 846

Ion Ratio Lower Upper

53 100

52 0.0 72.3 108.5#

51 0.0 30.4 45.6#



#16

Acetone

Concen: 2.391 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF062098.D

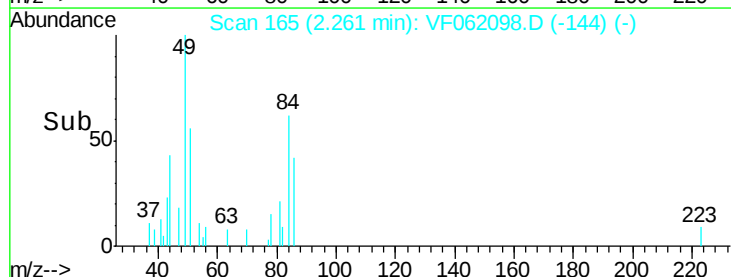
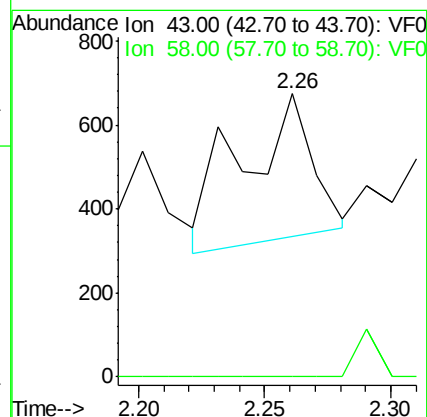
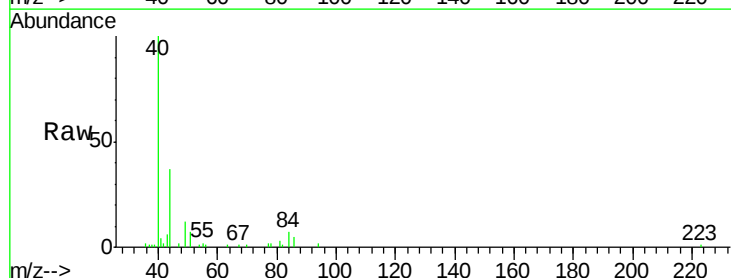
Acq: 23 Mar 2019 1:03

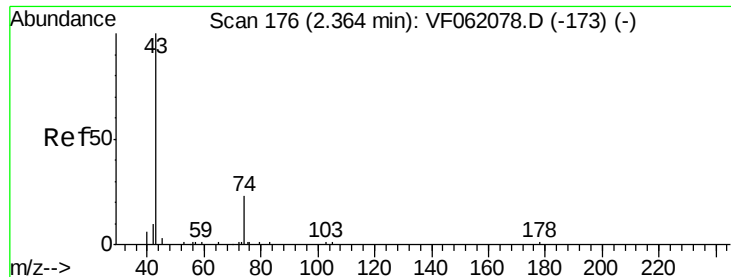
Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 0.0 20.8 31.2#

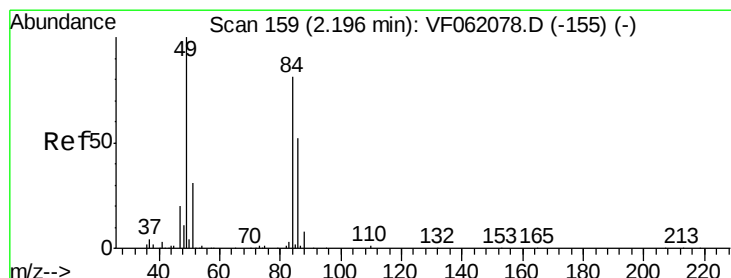
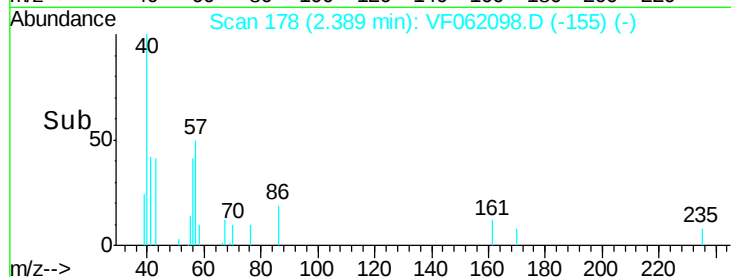
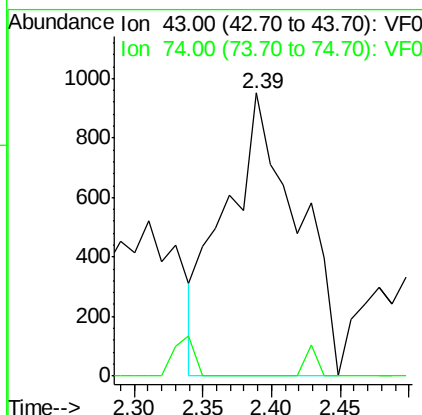
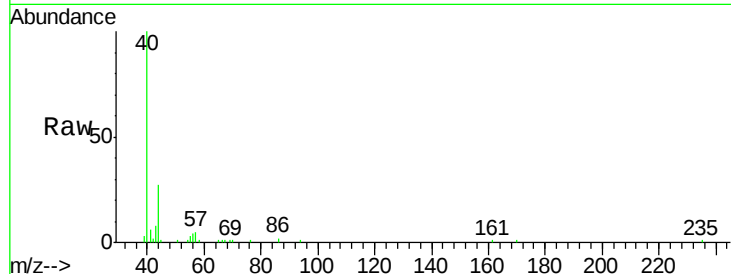




#18
Methyl Acetate
Concen: 5.080 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

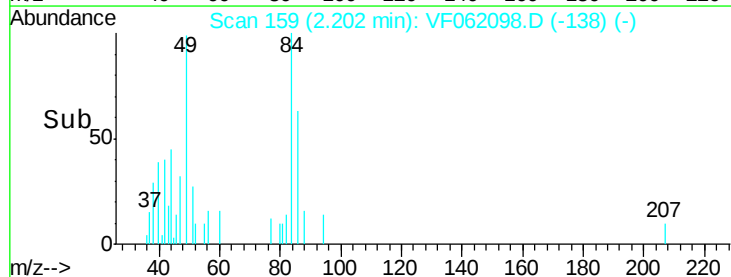
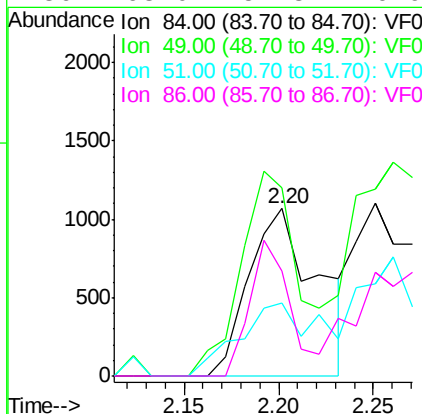
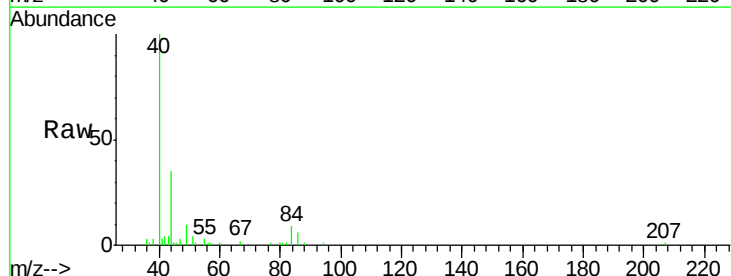
Instrument :
MSVOA_F
ClientSampled :
CS-3

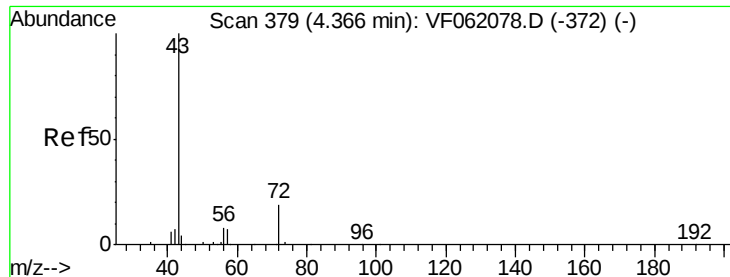
Tot Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.20 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

Tgt Ion: 84 Resp: 2685
Ion Ratio Lower Upper
84 100
49 112.1 100.4 150.6
51 43.7 31.0 46.6
86 63.0 51.3 76.9





#25

2-Butanone

Concen: 2.046 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062098.D

Acq: 23 Mar 2019 1:03

Instrument :

MSVOA_F

ClientSampled :

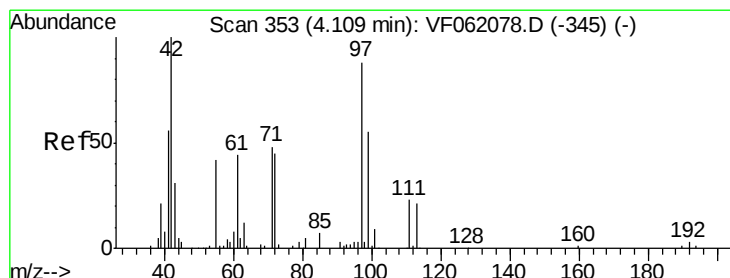
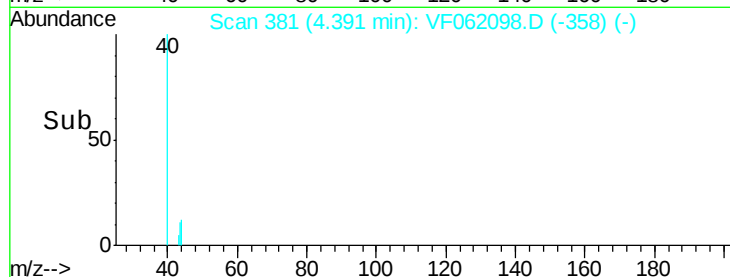
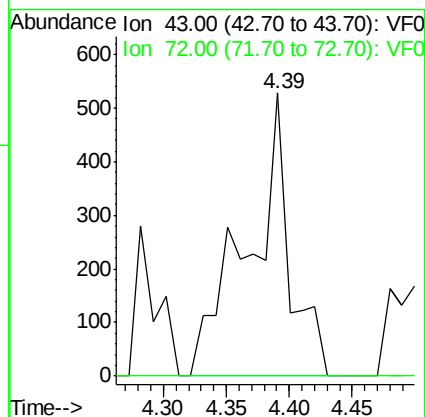
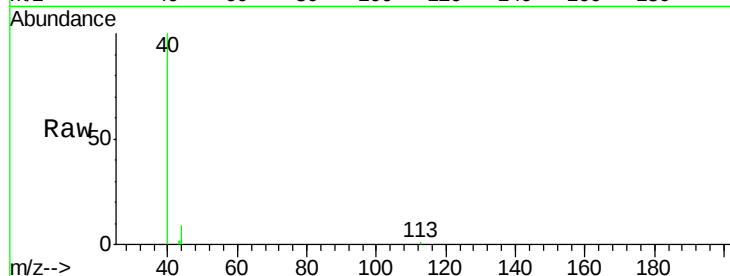
CS-3

Tot Ion: 43 Resp: 1222

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



#29

Tetrahydrofuran

Concen: 1.186 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF062098.D

Acq: 23 Mar 2019 1:03

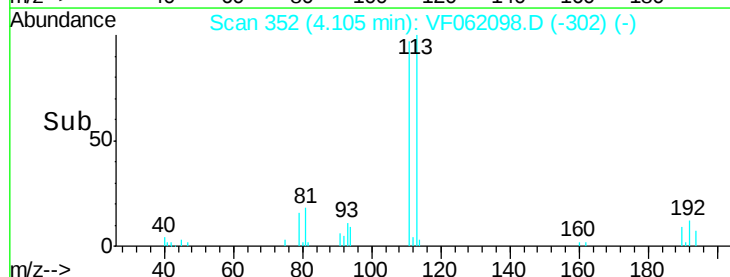
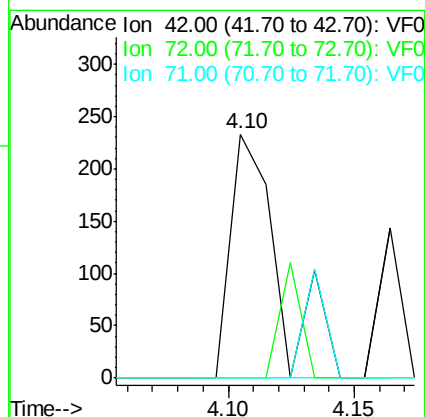
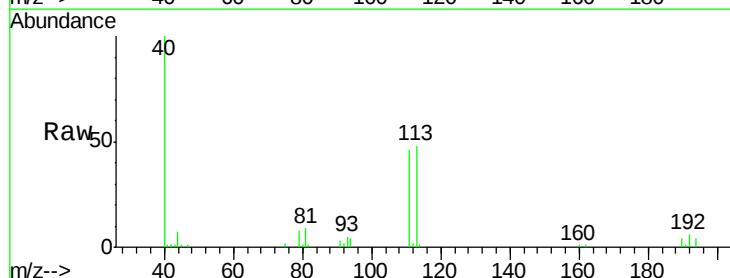
Tgt Ion: 42 Resp: 308

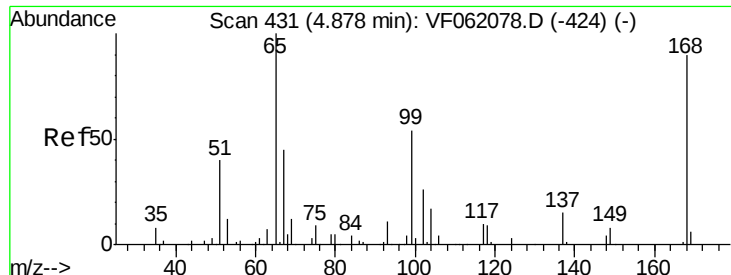
Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

71 0.0 35.0 52.4#

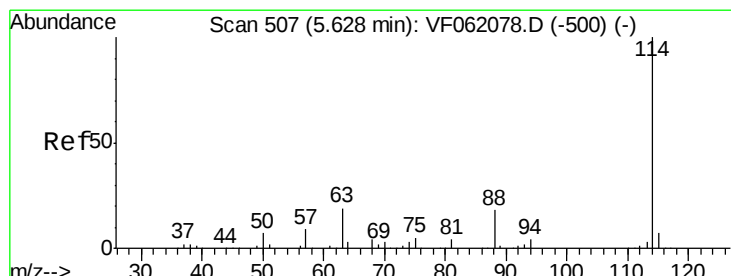
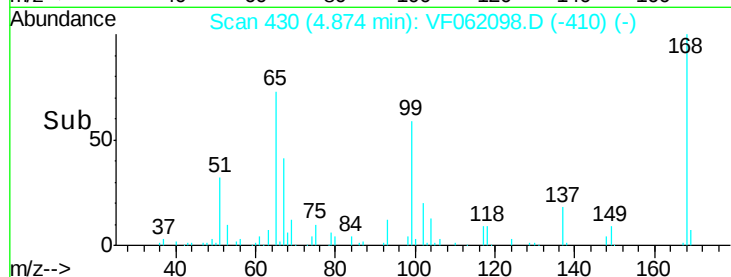
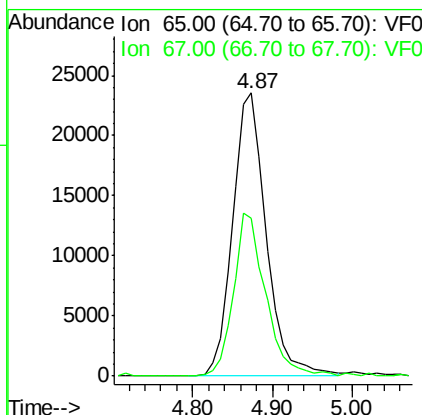
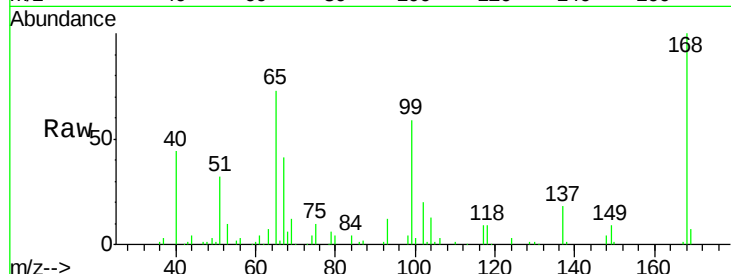




#33
 1,2-Dichloroethane-d4
 Concen: 50.742 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VF062098.D
 Acq: 23 Mar 2019 1:03

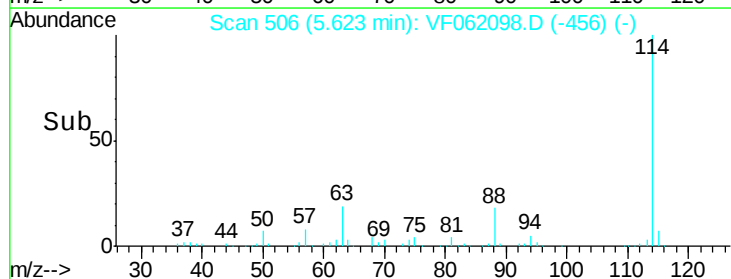
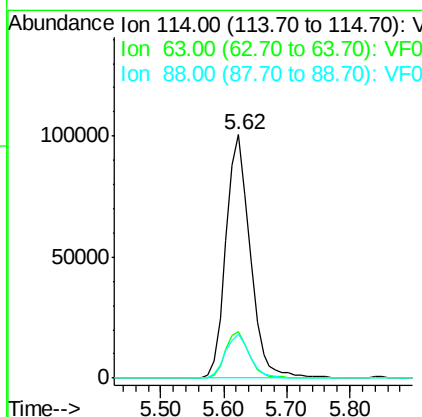
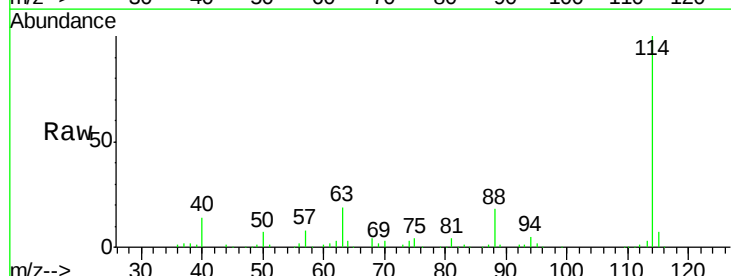
Instrument :
 MSVOA_F
 ClientSampled :
 CS-3

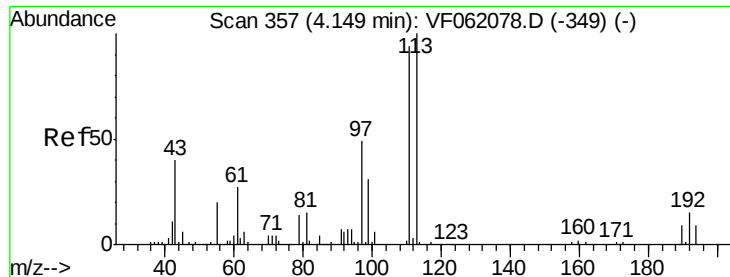
Tot Ion: 65 Resp: 68962
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VF062098.D
 Acq: 23 Mar 2019 1:03

Tgt Ion: 114 Resp: 268579
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 18.0 0.0 36.4

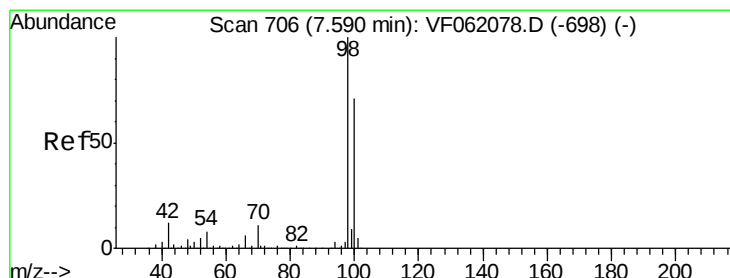
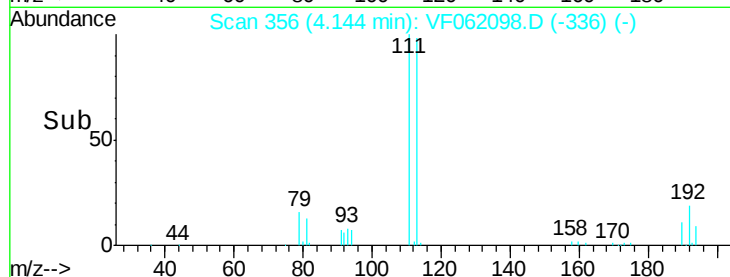
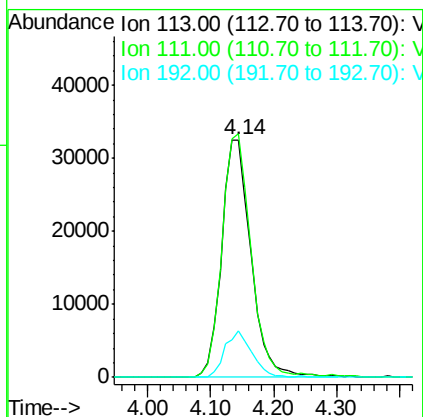
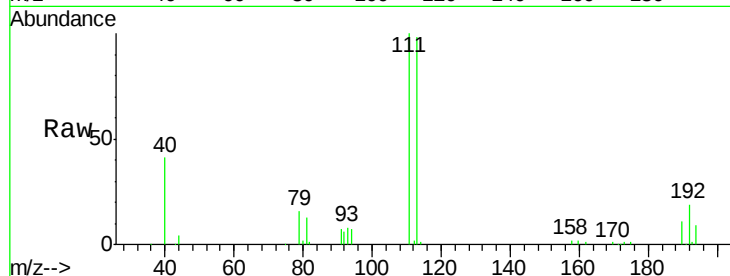




#35
 Dibromofluoromethane
 Concen: 58.082 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VF062098.D
 Acq: 23 Mar 2019 1:03

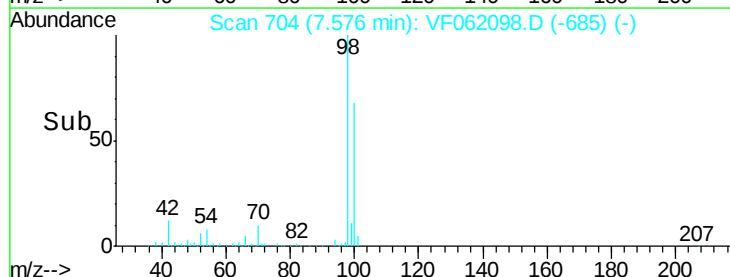
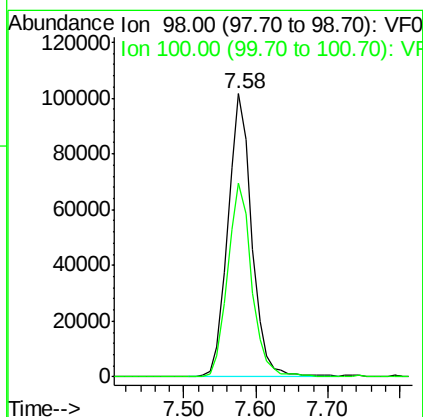
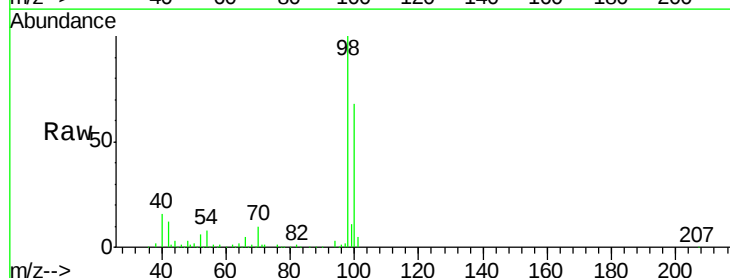
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-3

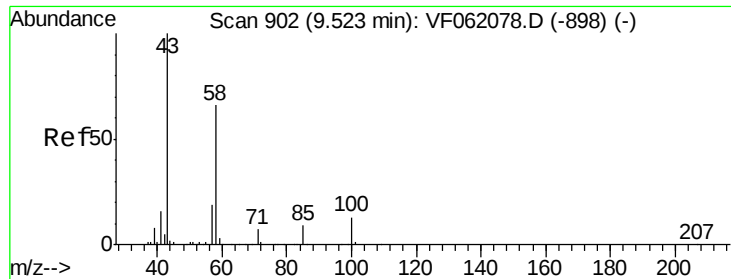
Tot Ion:113 Resp: 105525
 Ion Ratio Lower Upper
 113 100
 111 102.4 75.4 113.0
 192 19.4 12.3 18.5#



#50
 Toluene-d8
 Concen: 43.326 ug/l
 RT: 7.58 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VF062098.D
 Acq: 23 Mar 2019 1:03

Tgt Ion: 98 Resp: 234966
 Ion Ratio Lower Upper
 98 100
 100 68.4 57.0 85.6

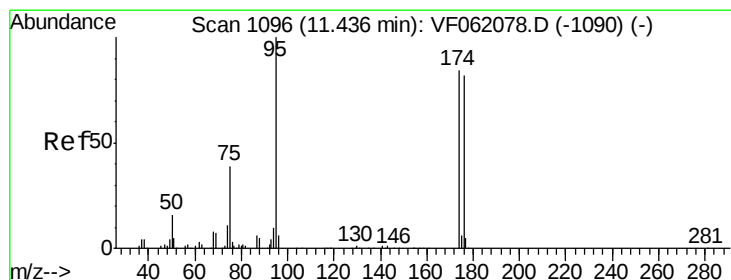
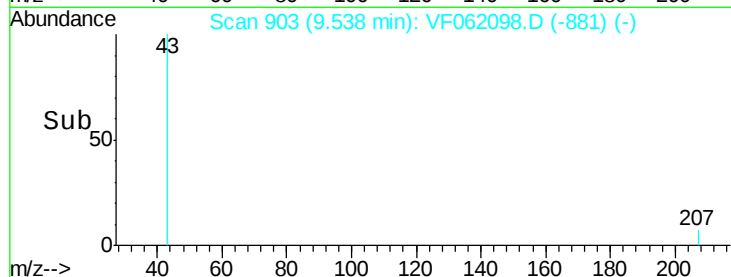
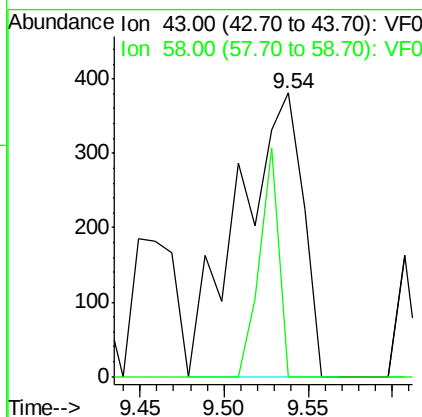
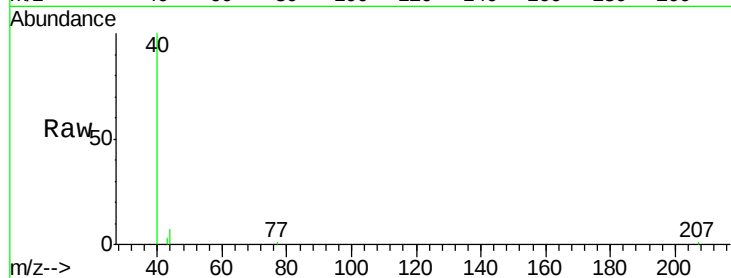




#59
2-Hexanone
Concen: 1.504 ug/l
RT: 9.54 min Scan# 903
Delta R.T. 0.02 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

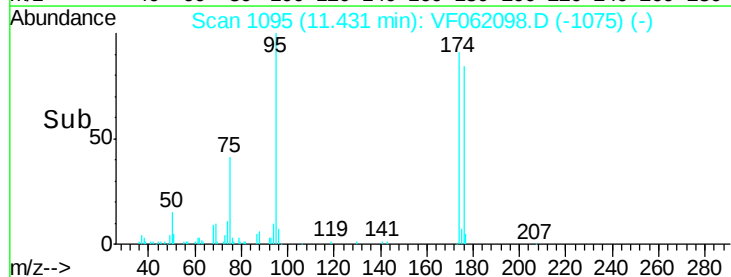
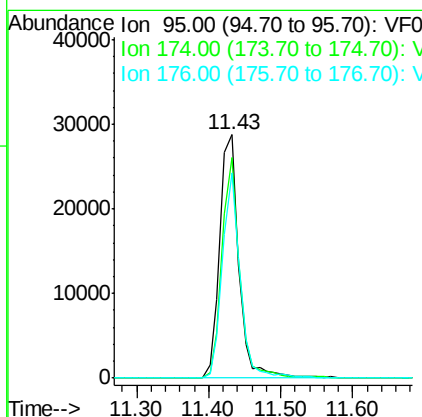
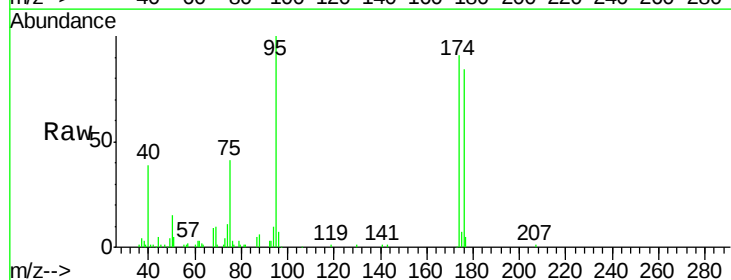
Instrument :
MSVOA_F
ClientSampled :
CS-3

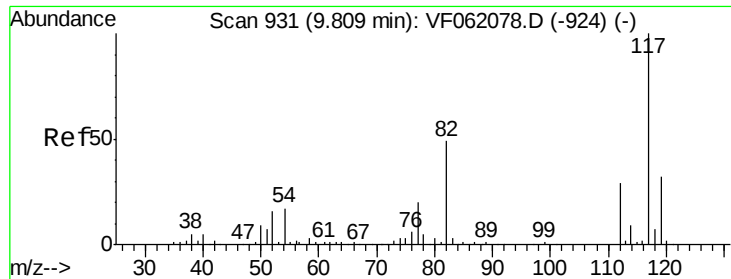
Tot Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 25.289 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

Tgt Ion: 95 Resp: 52947
Ion Ratio Lower Upper
95 100
174 90.8 0.0 168.2
176 84.5 0.0 164.2

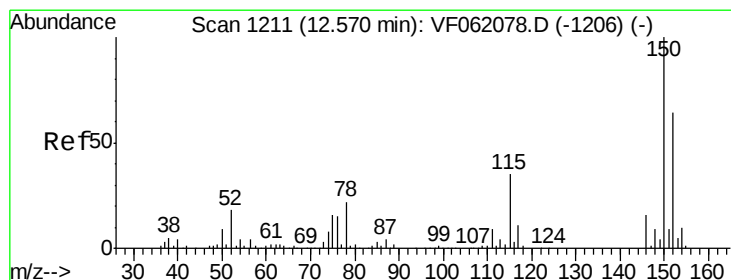
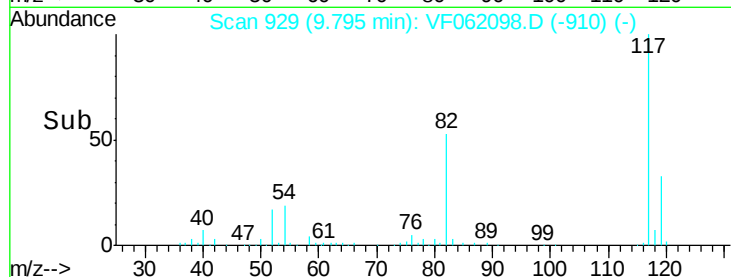
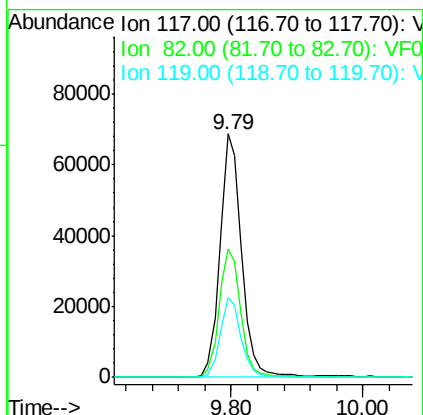
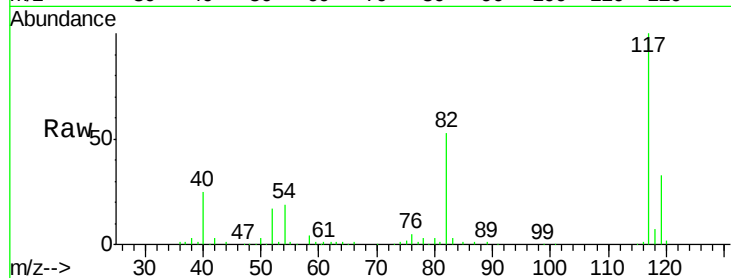




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

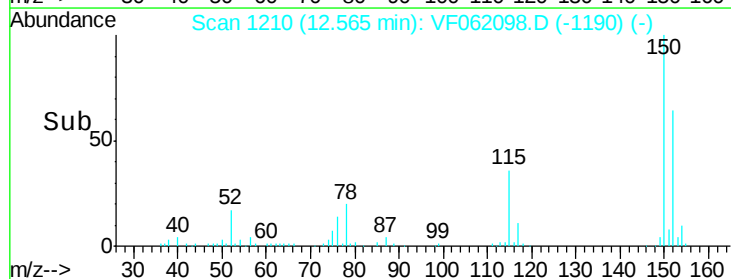
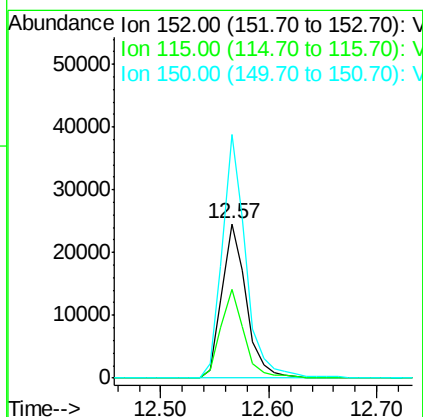
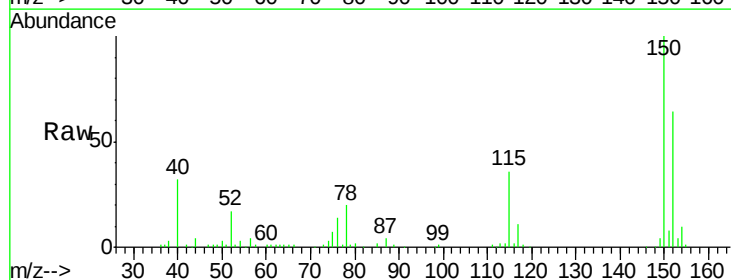
Instrument :
MSVOA_F
ClientSampleId :
CS-3

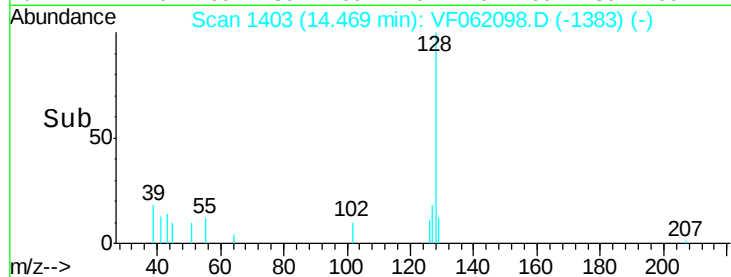
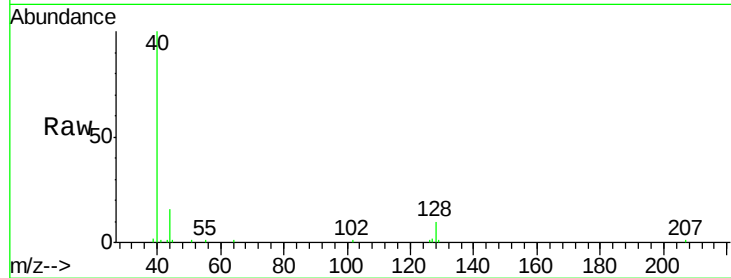
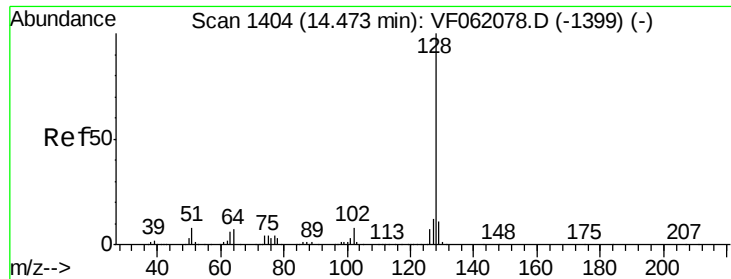
Tot Ion:117 Resp: 157955
Ion Ratio Lower Upper
117 100
82 52.8 39.2 58.8
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF062098.D
Acq: 23 Mar 2019 1:03

Tgt Ion:152 Resp: 38609
Ion Ratio Lower Upper
152 100
115 57.4 27.7 83.1
150 157.5 0.0 313.2





#95

Naphthalene

Concen: 1.164 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VF062098.D

Acq: 23 Mar 2019 1:03

Instrument :

MSVOA_F

ClientSampleId :

CS-3

Tot Ion:128 Resp: 1646

Ion Ratio Lower Upper

128 100

127 18.0 9.5 14.3#

129 12.1 8.7 13.1

