

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062102.D
 Acq On : 23 Mar 2019 2:58
 Operator : VA/AP
 Sample : K2040-09
 Misc : 6.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S4B(20)

Quant Time: Mar 23 06:36:41 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

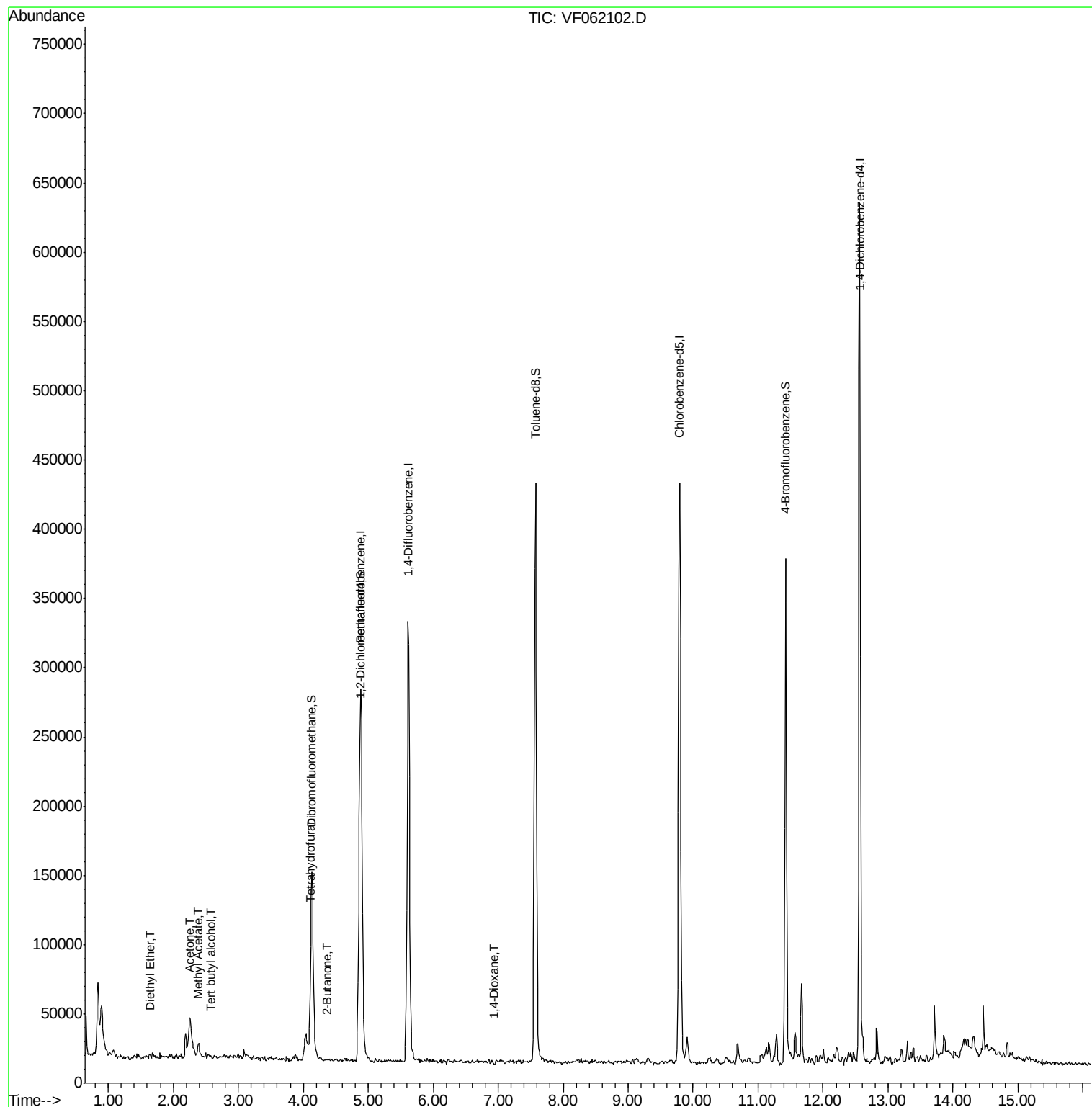
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	240206	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	385267	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	336734	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	178502	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	91836	51.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.80%	
35) Dibromofluoromethane	4.13	113	131312	50.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.76%	
50) Toluene-d8	7.57	98	364600	46.87	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.42	95	147044	48.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.92%	
Target Compounds						
8) Diethyl Ether	1.64	74	836	1.017	ug/l #	1
11) Tert butyl alcohol	2.57	59	293	2.980	ug/l #	1
16) Acetone	2.25	43	18027	47.940	ug/l #	88
18) Methyl Acetate	2.39	43	5164	5.757	ug/l #	56
25) 2-Butanone	4.38	43	1382	1.760	ug/l #	55
29) Tetrahydrofuran	4.10	42	619	1.814	ug/l #	46
49) 1,4-Dioxane	6.94	88	95	9.790	ug/l #	25

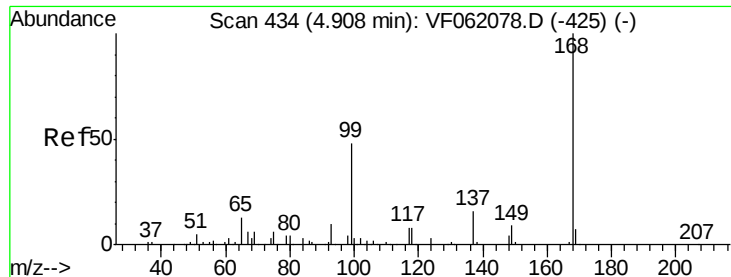
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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S4B(20)

Quant Time: Mar 23 06:36:41 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: VF062102.D

Acq: 23 Mar 2019 2:58

Instrument :

MSVOA_F

ClientSampleId :

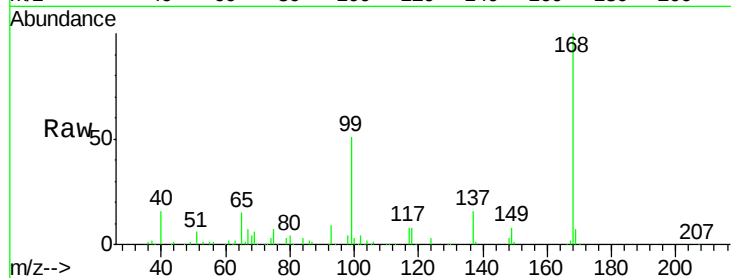
S4B(20)

Tot Ion:168 Resp: 240206

Ion Ratio Lower Upper

168 100

99 50.8 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

60000

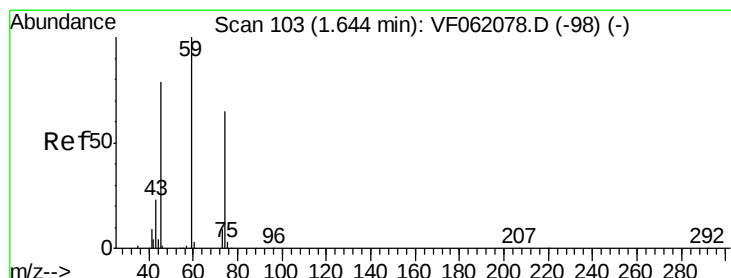
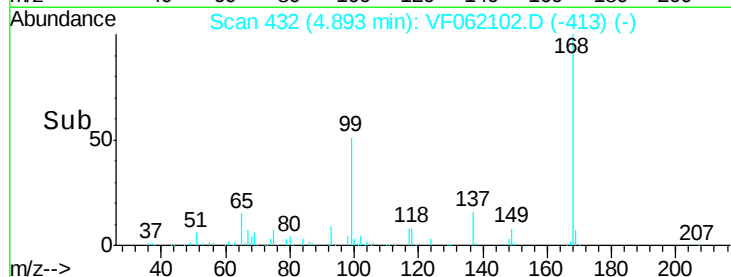
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.017 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF062102.D

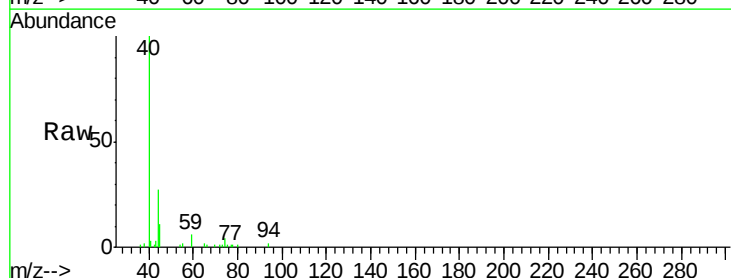
Acq: 23 Mar 2019 2:58

Tgt Ion: 74 Resp: 836

Ion Ratio Lower Upper

74 100

45 271.5 61.4 184.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1500

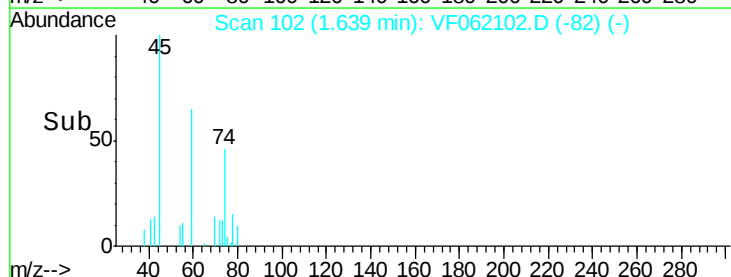
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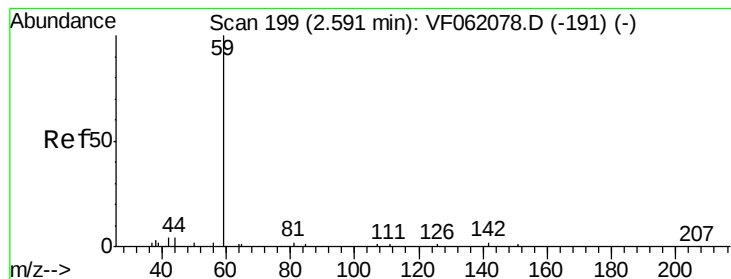
500

0

Time-->

1.60 1.65 1.70



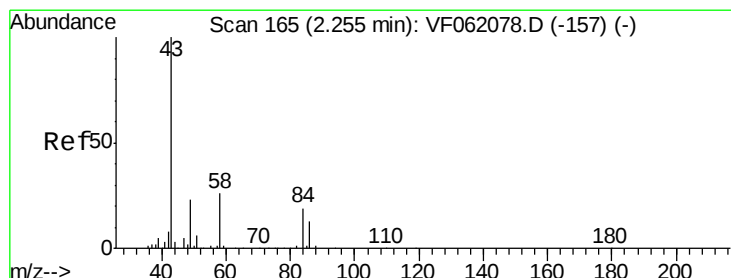
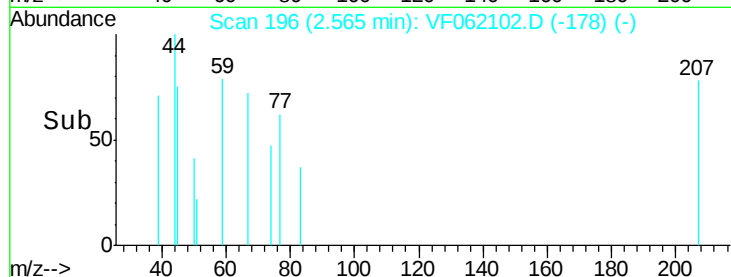
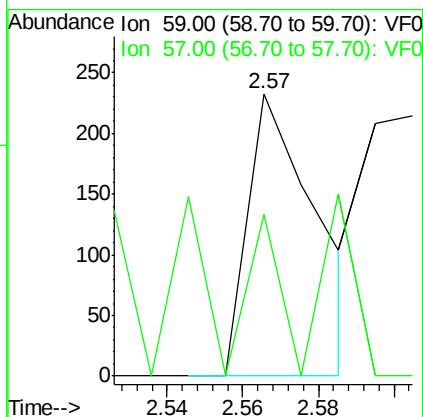
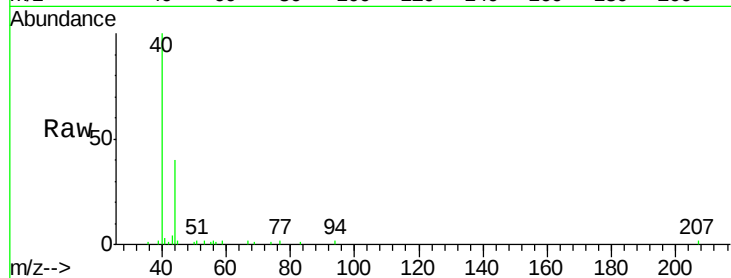


#11

Tert butyl alcohol
 Concen: 2.980 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.03 min
 Lab File: VF062102.D
 Acq: 23 Mar 2019 2:58

Instrument :
 MSVOA_F
 ClientSampled :
 S4B(20)

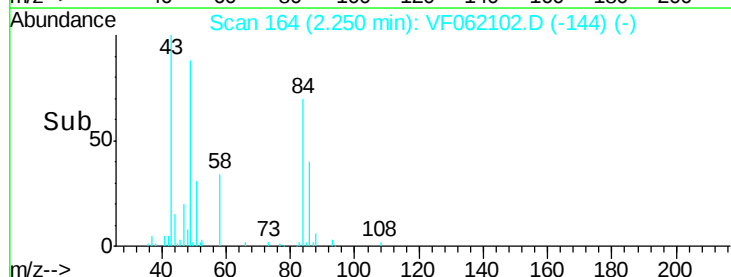
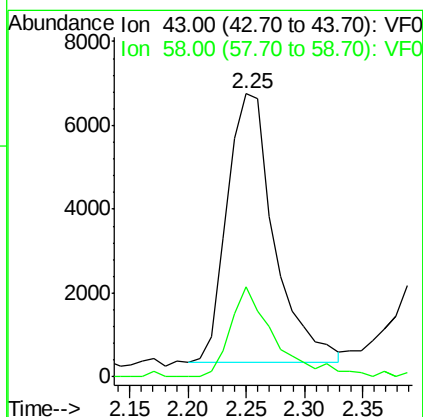
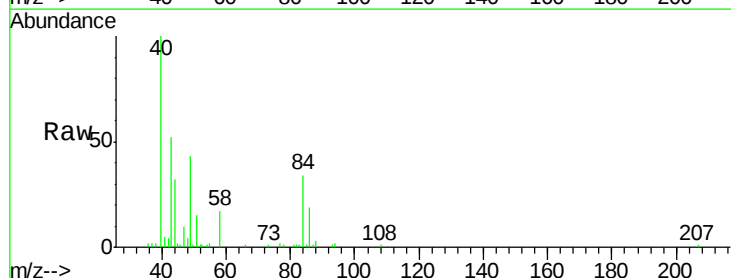
Tot Ion: 59 Resp: 293
 Ion Ratio Lower Upper
 59 100
 57 57.1 11.0 16.4#

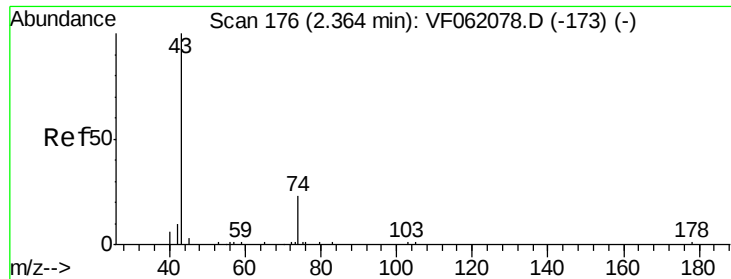


#16

Acetone
 Concen: 47.940 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF062102.D
 Acq: 23 Mar 2019 2:58

Tgt Ion: 43 Resp: 18027
 Ion Ratio Lower Upper
 43 100
 58 31.9 20.8 31.2#

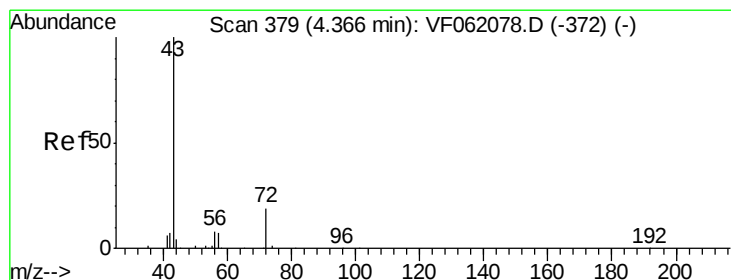
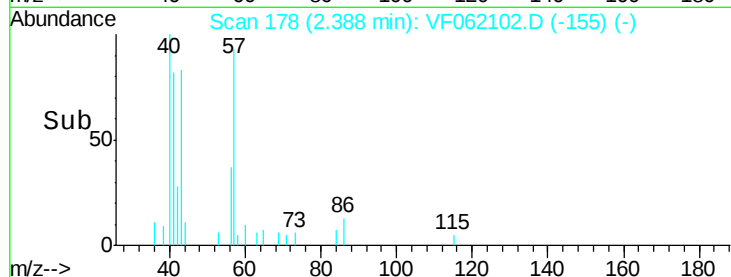
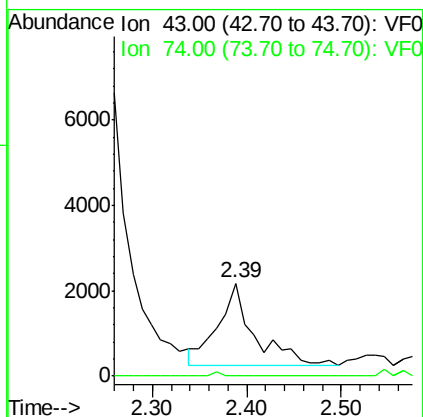
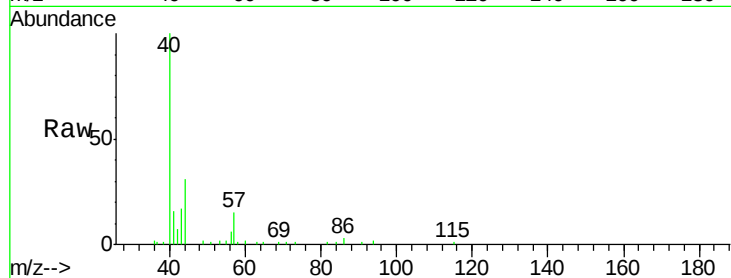




#18
Methyl Acetate
Concen: 5.757 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF062102.D
Acq: 23 Mar 2019 2:58

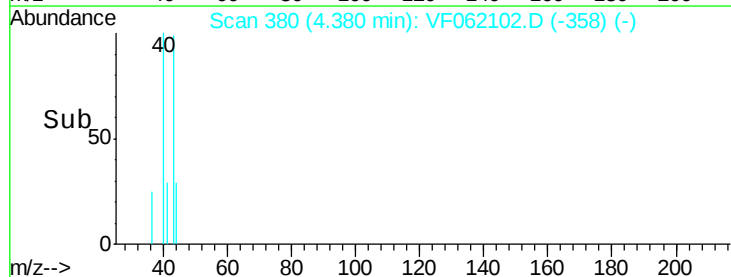
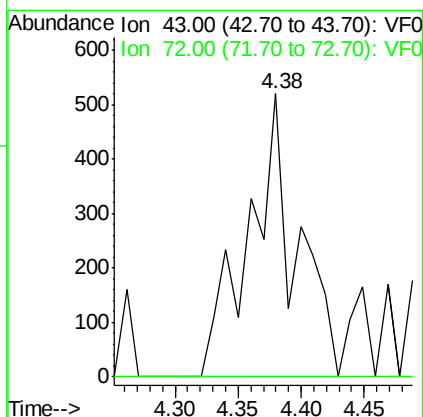
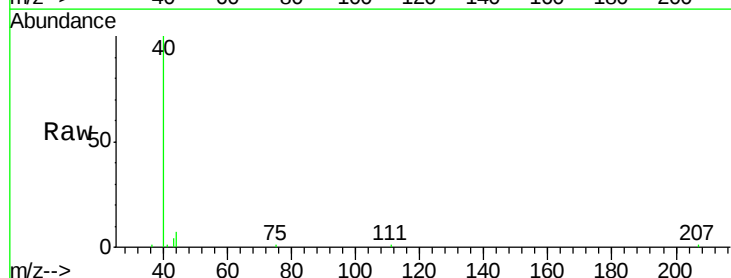
Instrument :
MSVOA_F
ClientSampleId :
S4B(20)

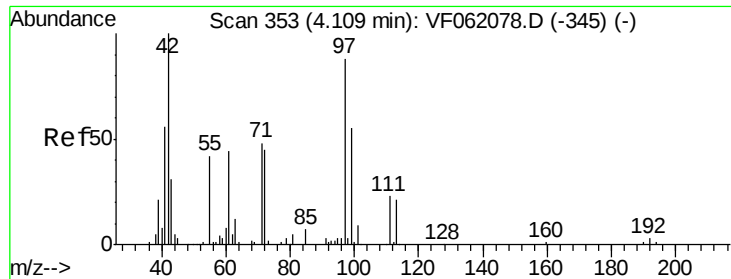
Tot Ion: 43 Resp: 5164
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#25
2-Butanone
Concen: 1.760 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062102.D
Acq: 23 Mar 2019 2:58

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#

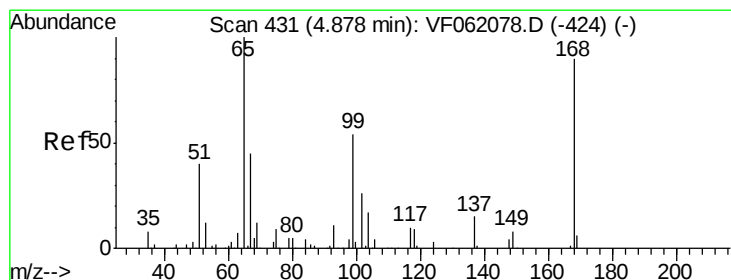
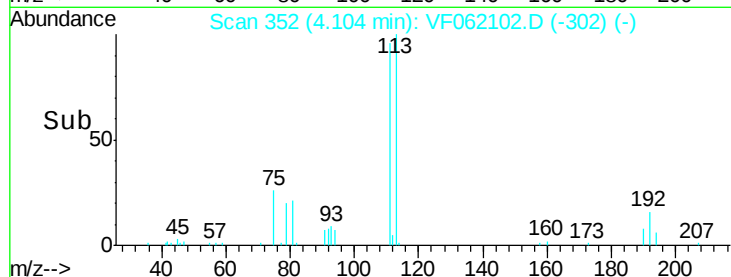
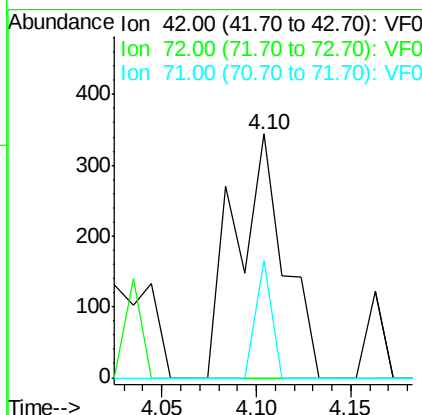
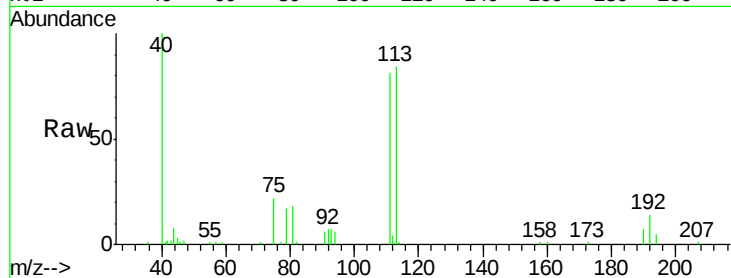




#29
Tetrahydrofuran
Concen: 1.814 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF062102.D
Acq: 23 Mar 2019 2:58

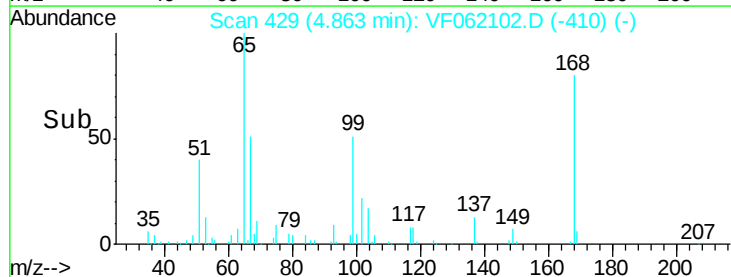
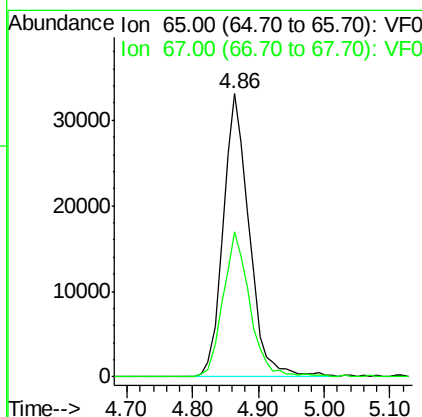
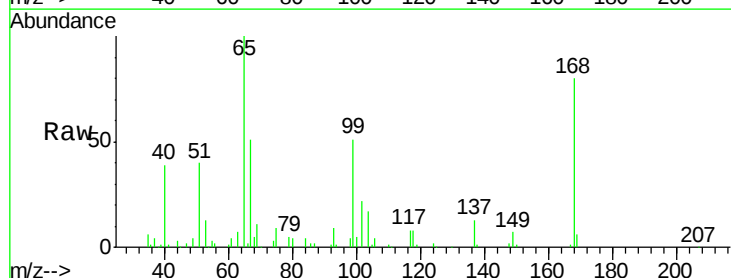
Instrument :
MSVOA_F
ClientSampled :
S4B(20)

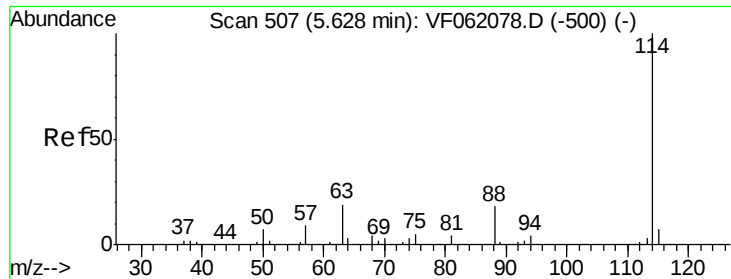
Tot Ion: 42 Resp: 619
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 15.8 35.0 52.4#



#33
1,2-Dichloroethane-d4
Concen: 51.401 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF062102.D
Acq: 23 Mar 2019 2:58

Tgt Ion: 65 Resp: 91836
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.2

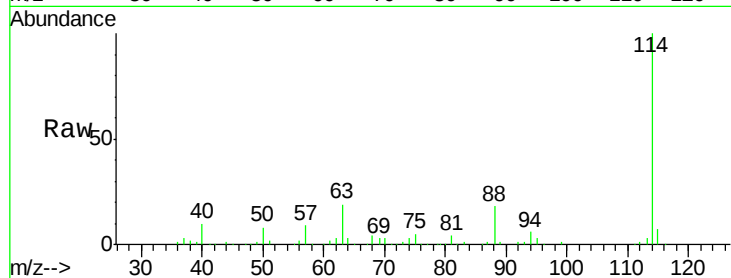




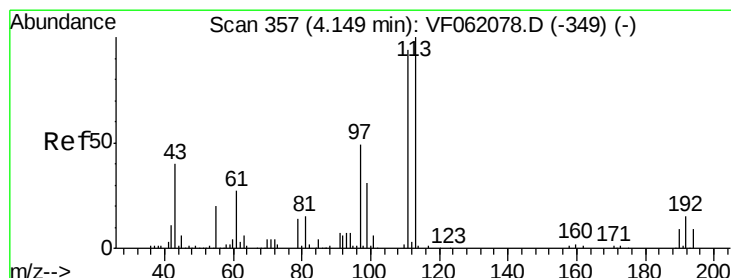
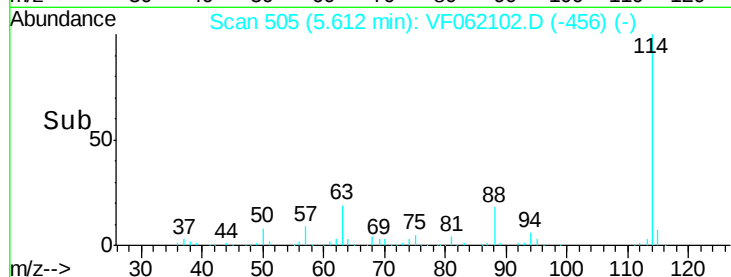
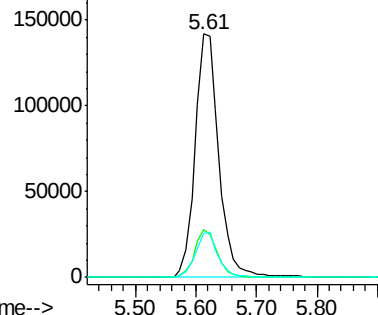
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: VF062102.D
 Acq: 23 Mar 2019 2:58

Instrument :
 MSVOA_F
 ClientSampleId :
 S4B(20)

Tot Ion:114 Resp: 385267
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.8
 88 17.8 0.0 36.4

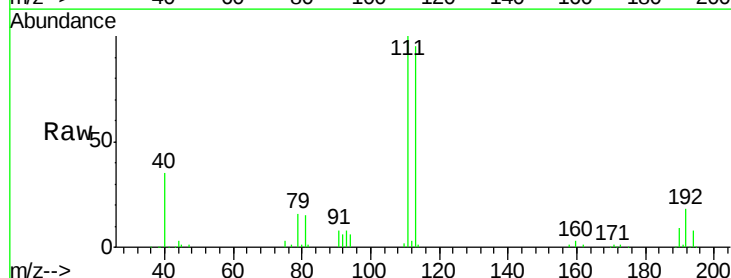


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

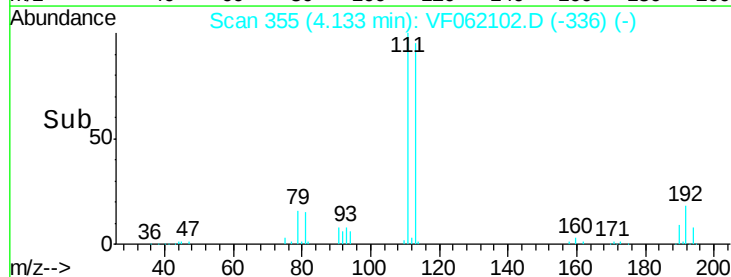
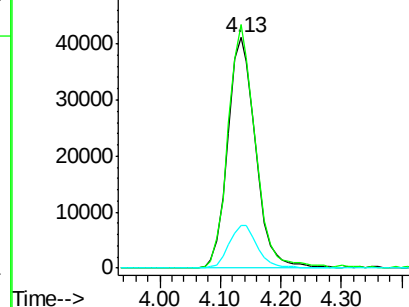


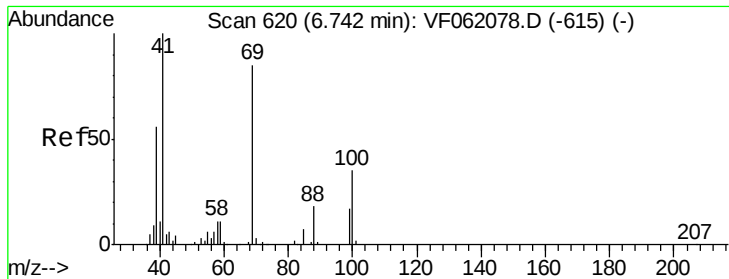
#35
 Dibromofluoromethane
 Concen: 50.385 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF062102.D
 Acq: 23 Mar 2019 2:58

Tgt Ion:113 Resp: 131312
 Ion Ratio Lower Upper
 113 100
 111 105.5 75.4 113.0
 192 18.5 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: 9.790 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.20 min

Lab File: VF062102.D

Acq: 23 Mar 2019 2:58

Instrument :

MSVOA_F

ClientSampleId :

S4B(20)

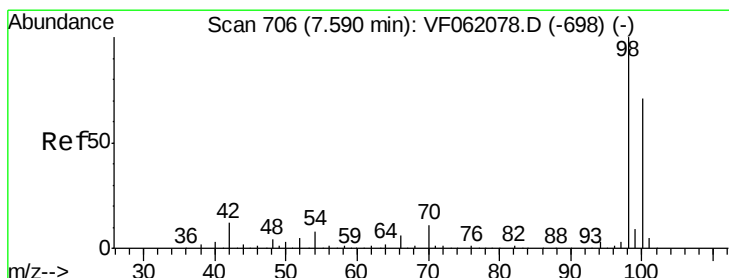
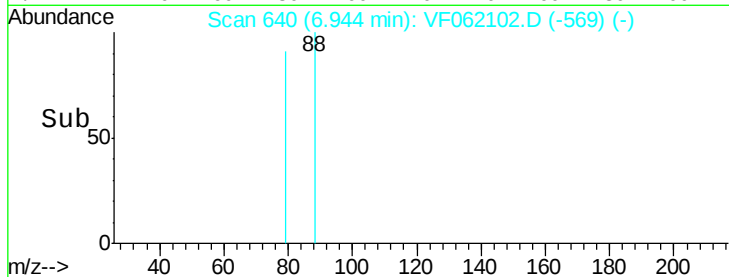
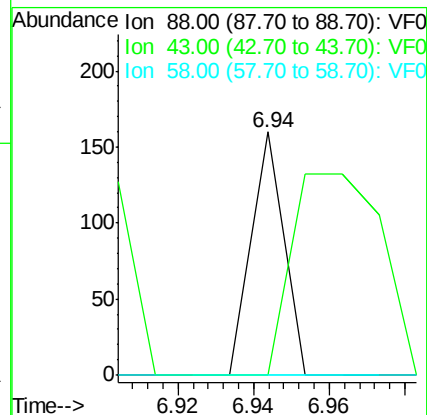
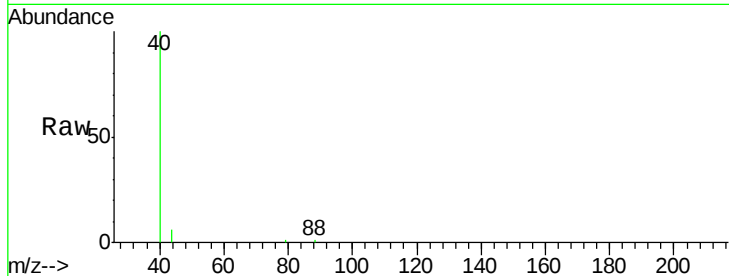
Tot Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

43 0.0 35.0 52.4#

58 0.0 49.9 74.9#



#50

Toluene-d8

Concen: 46.867 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF062102.D

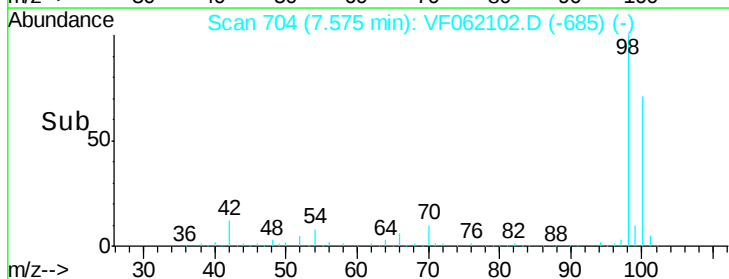
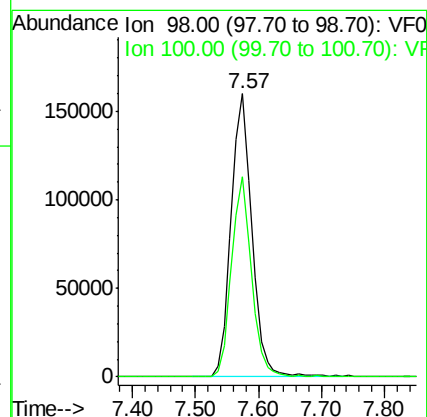
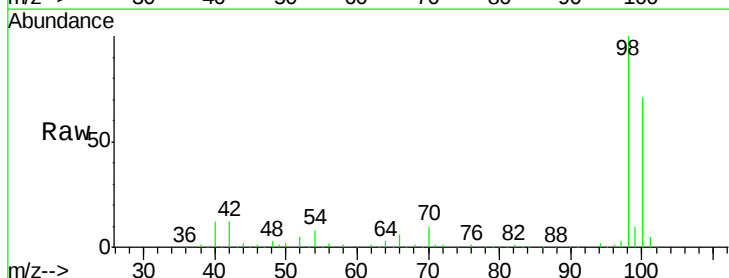
Acq: 23 Mar 2019 2:58

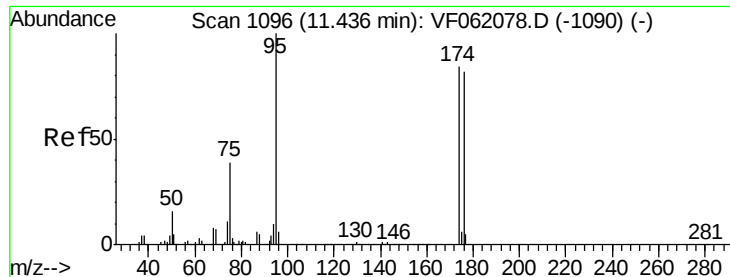
Tgt Ion: 98 Resp: 364600

Ion Ratio Lower Upper

98 100

100 70.5 57.0 85.6





#62

4-Bromofluorobenzene

Concen: 48.961 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF062102.D

Acq: 23 Mar 2019 2:58

Instrument :

MSVOA_F

ClientSampled :

S4B(20)

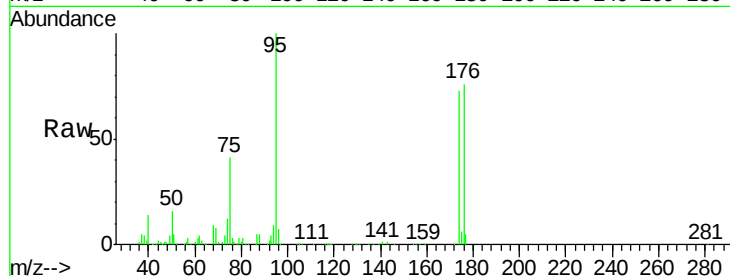
Tot Ion: 95 Resp: 147044

Ion Ratio Lower Upper

95 100

174 73.4 0.0 168.2

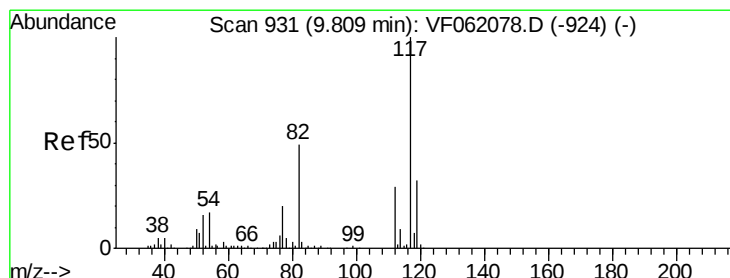
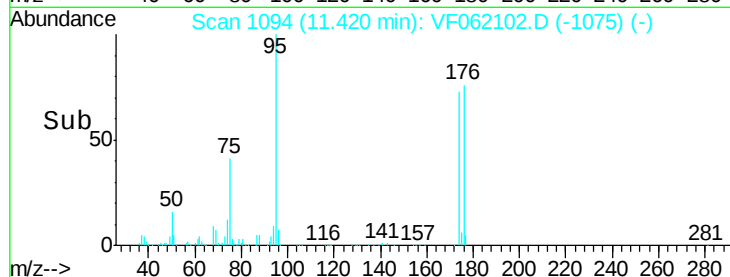
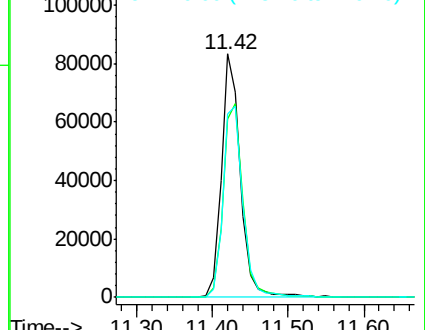
176 75.5 0.0 164.2



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: 9.79 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF062102.D

Acq: 23 Mar 2019 2:58

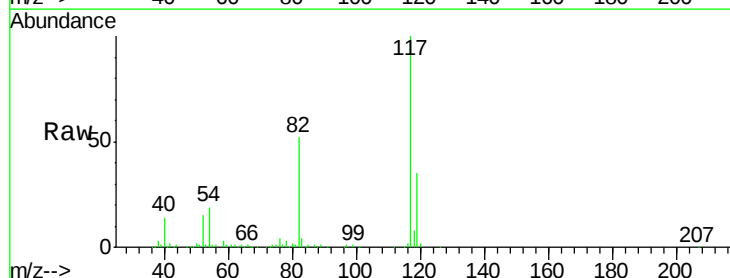
Tgt Ion: 117 Resp: 336734

Ion Ratio Lower Upper

117 100

82 52.3 39.2 58.8

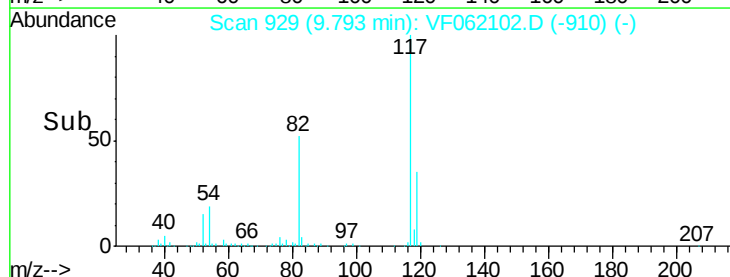
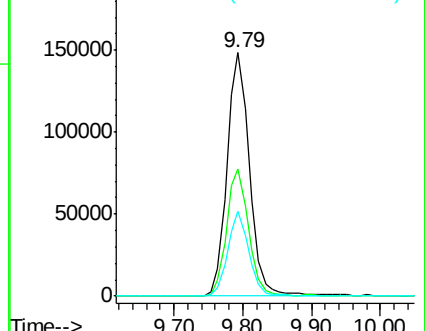
119 34.7 25.4 38.2

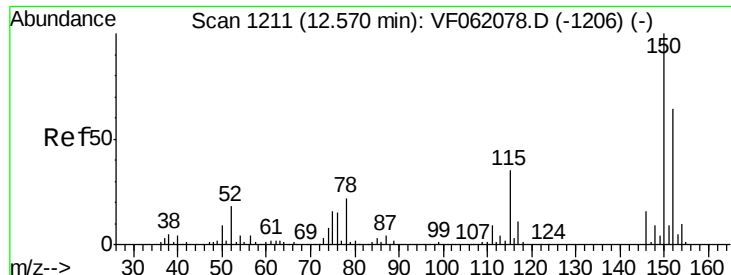


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

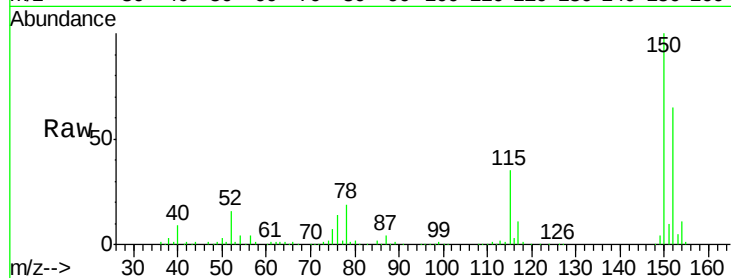




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF062102.D
 Acq: 23 Mar 2019 2:58

Instrument :
 MSVOA_F
 ClientSampleId :
 S4B(20)

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.7	83.1
150	152.7	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

