

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032019\
 Data File : VF062043.D
 Acq On : 20 Mar 2019 16:39
 Operator : VA/AP
 Sample : K1693-11RE
 Misc : 6.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-031819-BRE

Quant Time: Mar 21 12:37:25 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

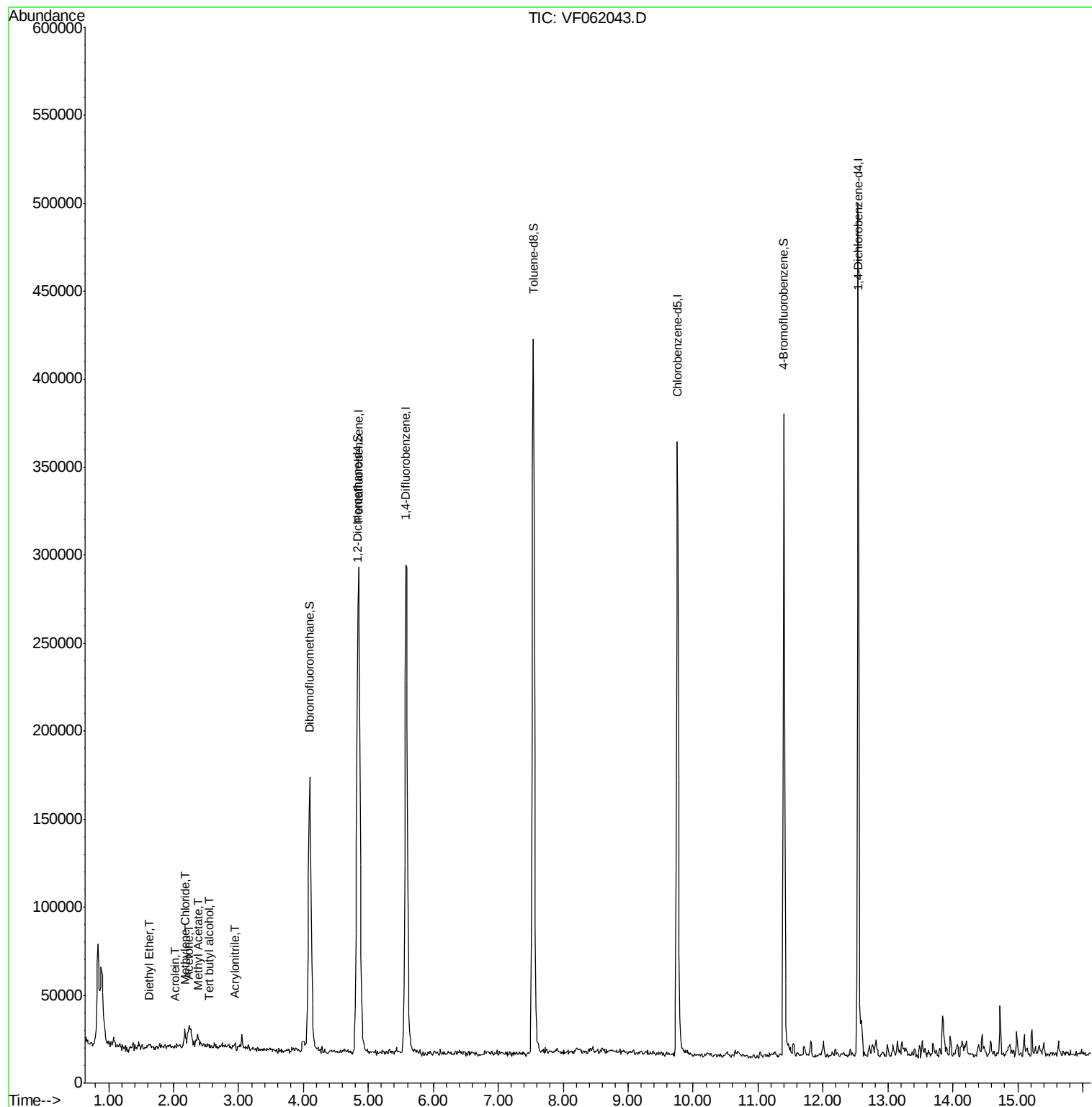
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	232450	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	358658	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	279910	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	133030	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113521	67.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	135.68%	
35) Dibromofluoromethane	4.10	113	158025	65.61	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	131.22%	
50) Toluene-d8	7.54	98	367767	52.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.39	95	150366	53.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.52%	
Target Compounds						
8) Diethyl Ether	1.63	74	1242	1.732	ug/l	88
11) Tert butyl alcohol	2.54	59	144	1.406	ug/l #	71
13) Acrolein	2.03	56	149	1.348	ug/l #	20
15) Acrylonitrile	2.93	53	366	1.175	ug/l #	18
16) Acetone	2.23	43	7856	20.908	ug/l #	87
18) Methyl Acetate	2.37	43	2333	3.035	ug/l #	63
20) Methylene Chloride	2.18	84	4632	2.395	ug/l	92

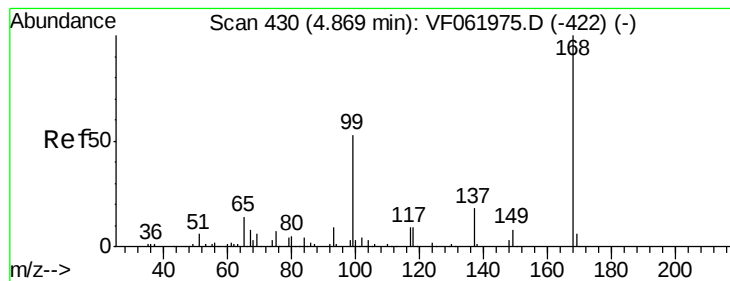
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

Instrument :

MSVOA_F

ClientSampleId :

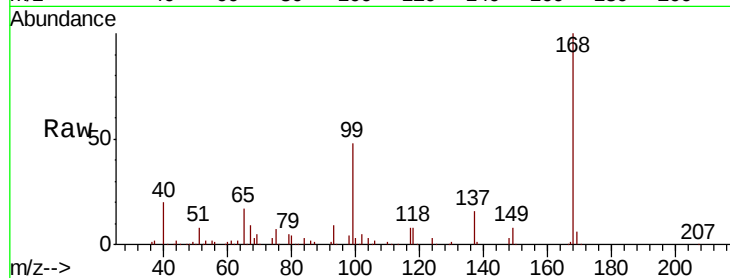
OR-03-031819-BRE

Tgt Ion:168 Resp: 232450

Ion Ratio Lower Upper

168 100

99 48.1 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

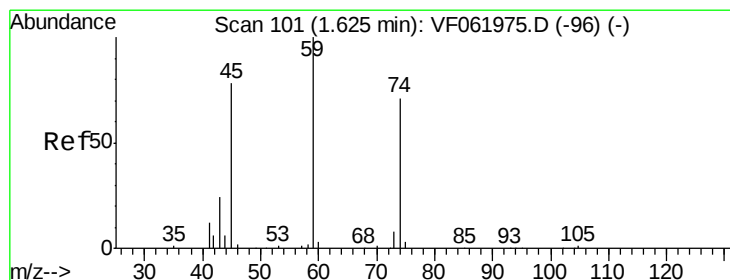
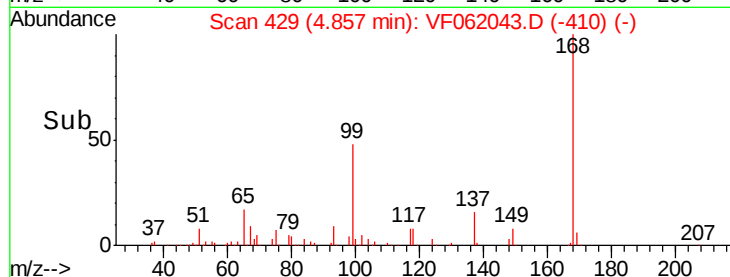
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 1.732 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF062043.D

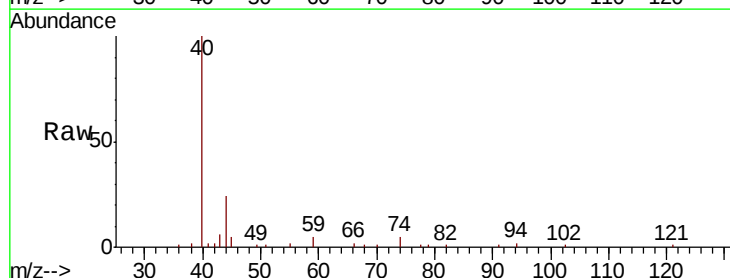
Acq: 20 Mar 2019 16:39

Tgt Ion: 74 Resp: 1242

Ion Ratio Lower Upper

74 100

45 99.8 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

600

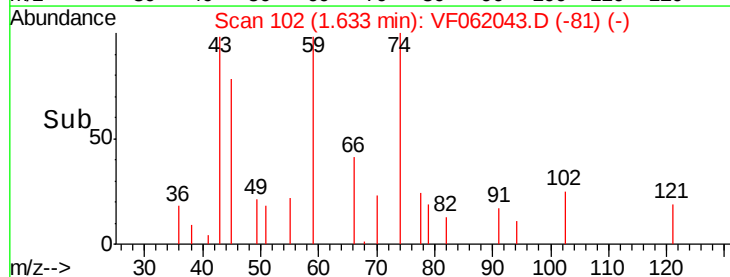
400

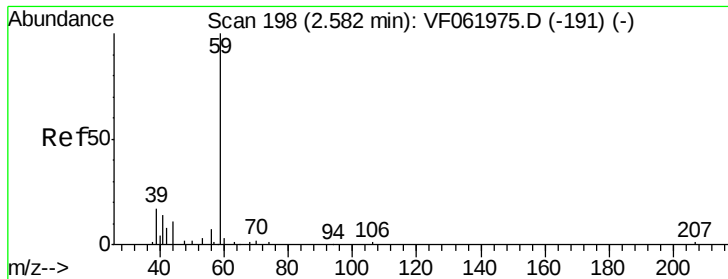
200

0

1.55 1.60 1.65 1.70

Time-->

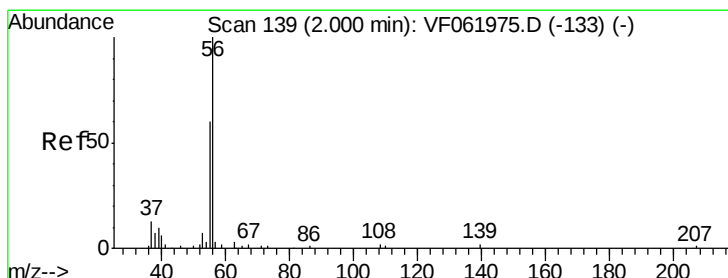
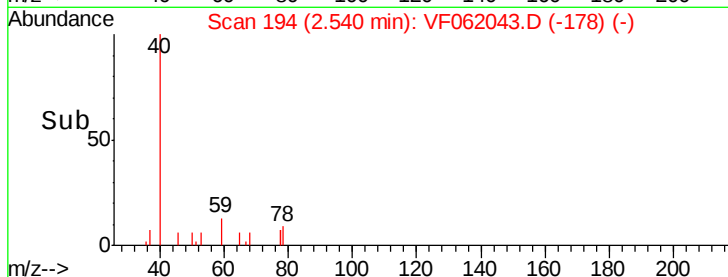
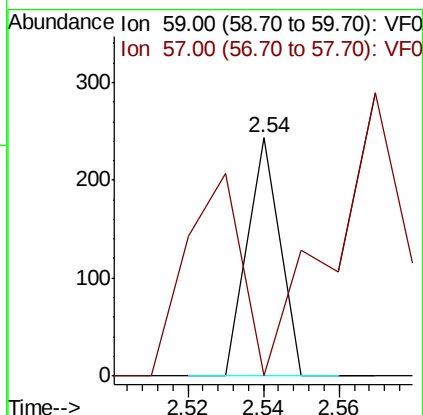
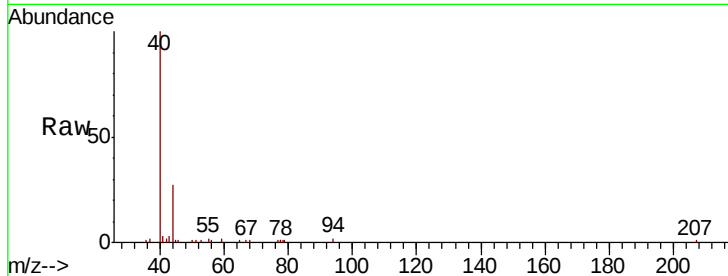




#11
Tert butyl alcohol
Concen: 1.406 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF062043.D
Acq: 20 Mar 2019 16:39

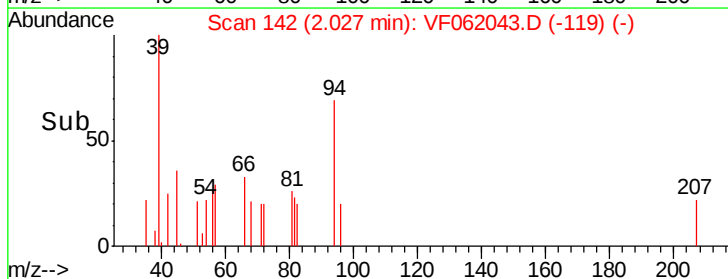
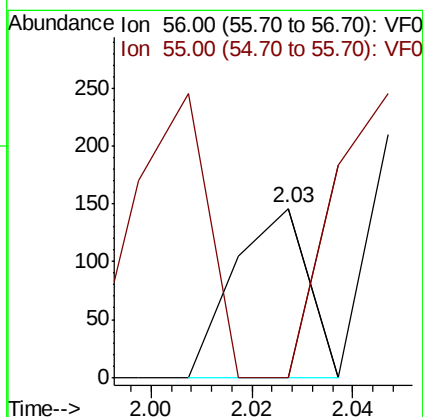
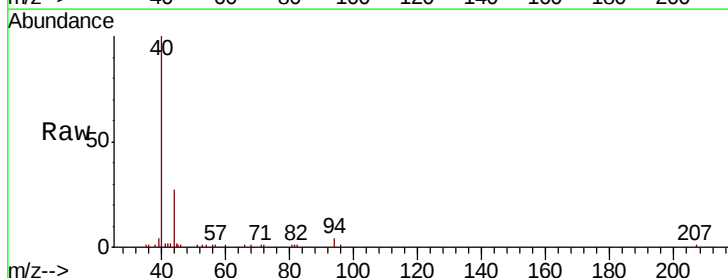
Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-BRE

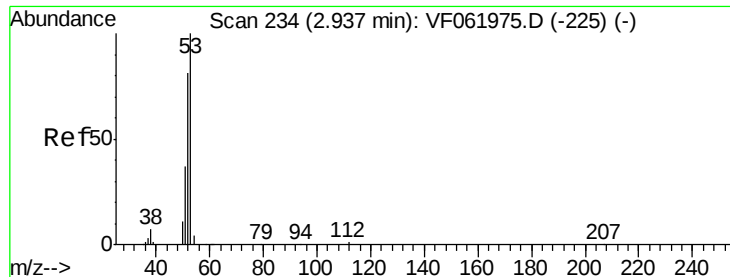
Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 1.348 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.03 min
Lab File: VF062043.D
Acq: 20 Mar 2019 16:39

Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 0.0 49.1 73.7#





#15

Acrylonitrile

Concen: 1.175 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

Instrument :

MSVOA_F

ClientSampleId :

OR-03-031819-BRE

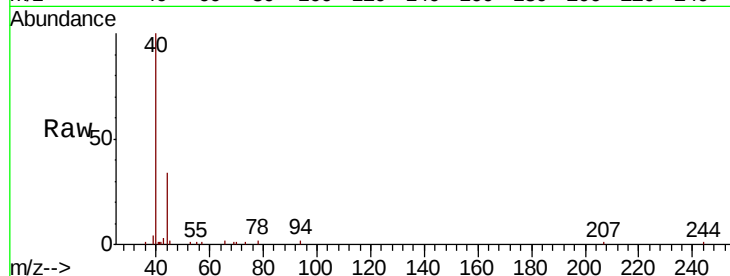
Tgt Ion: 53 Resp: 366

Ion Ratio Lower Upper

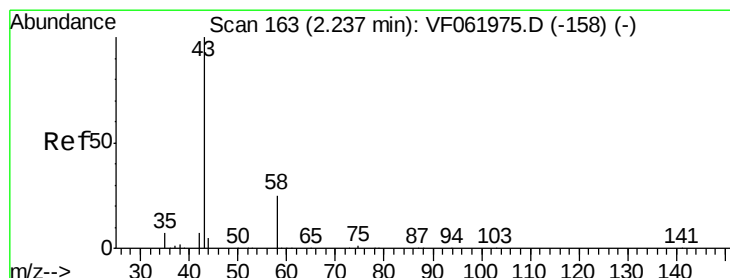
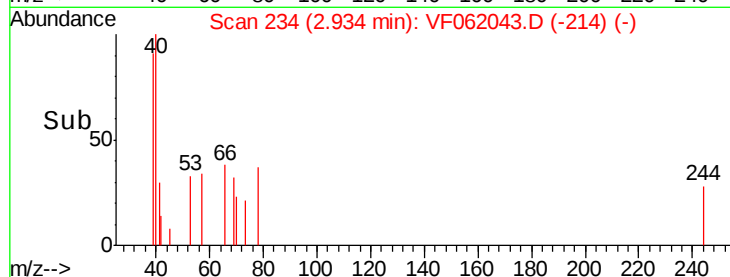
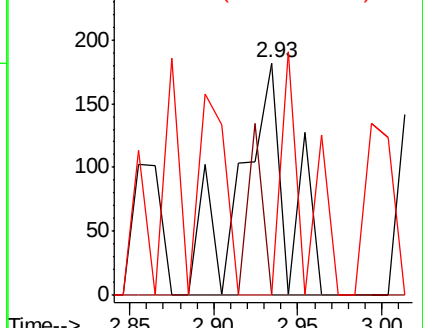
53 100

52 0.0 64.4 96.6#

51 0.0 30.3 45.5#



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: 20.908 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF062043.D

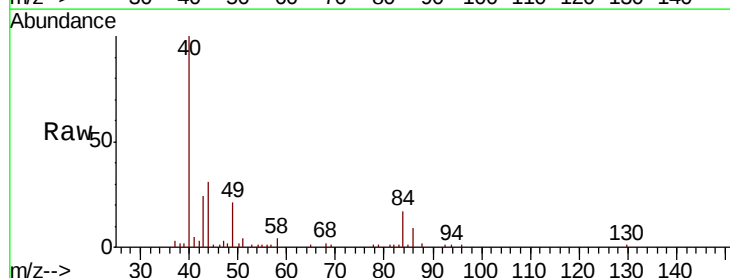
Acq: 20 Mar 2019 16:39

Tgt Ion: 43 Resp: 7856

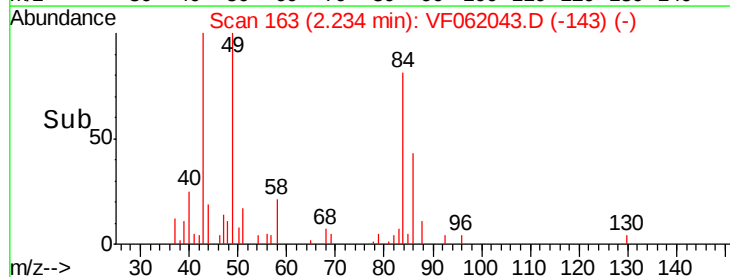
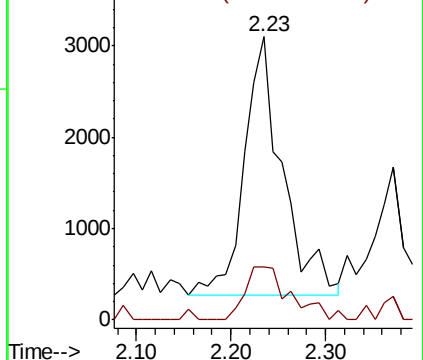
Ion Ratio Lower Upper

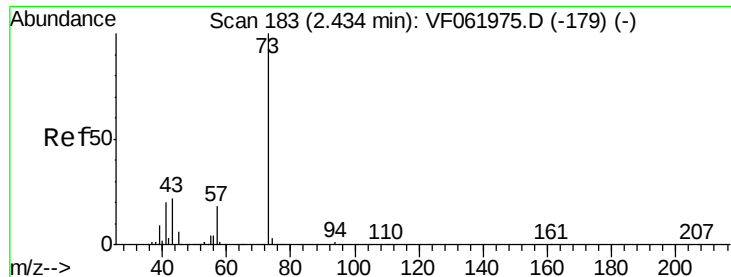
43 100

58 18.6 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

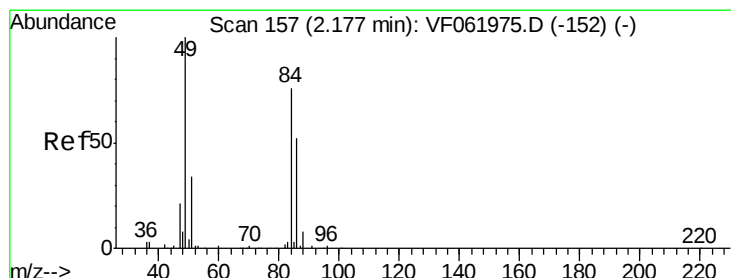
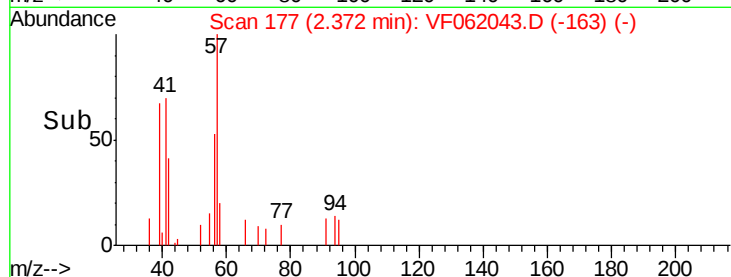
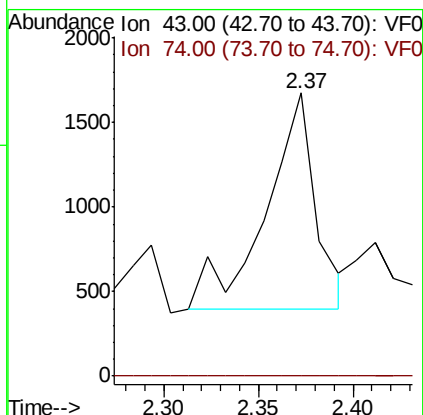
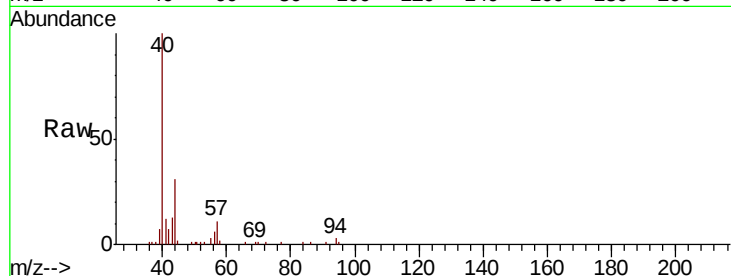




#18
Methyl Acetate
Concen: 3.035 ug/l
RT: 2.37 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF062043.D
Acq: 20 Mar 2019 16:39

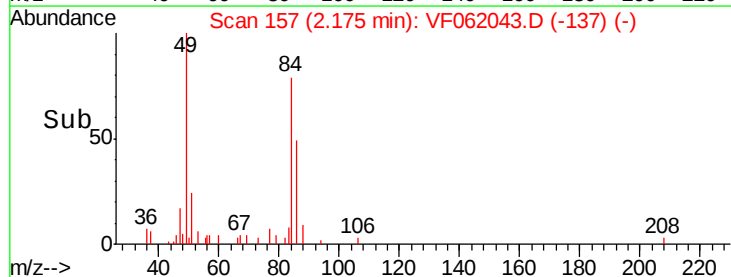
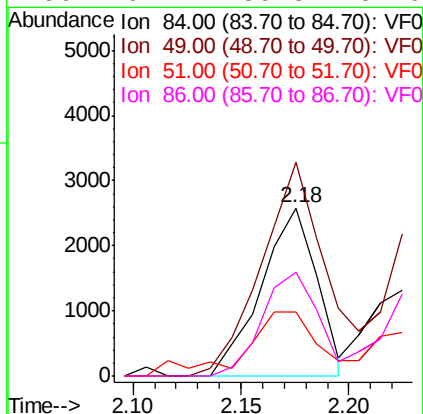
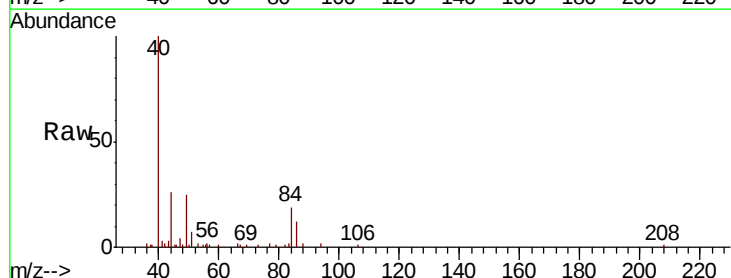
Instrument :
MSVOA_F
ClientSampleId :
OR-03-031819-BRE

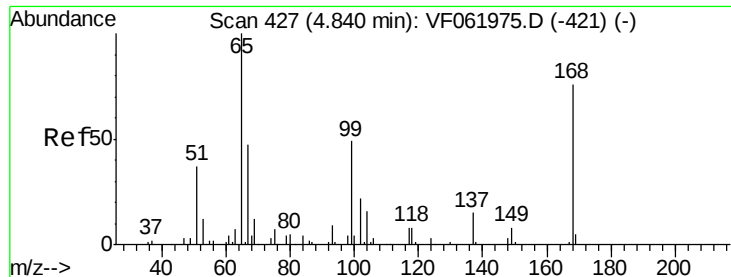
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
74 0.0 12.6 18.8#



#20
Methylene Chloride
Concen: 2.395 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF062043.D
Acq: 20 Mar 2019 16:39

Tgt Ion: 84 Resp: 4632
Ion Ratio Lower Upper
84 100
49 127.3 107.0 160.6
51 38.5 37.2 55.8
86 62.2 55.3 82.9





#33

1,2-Dichloroethane-d4

Concen: 67.844 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

Instrument :

MSVOA_F

ClientSampleId :

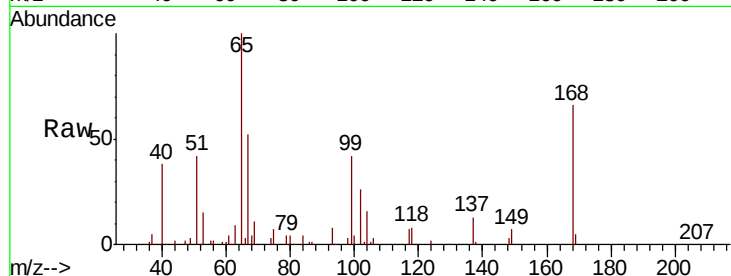
OR-03-031819-BRE

Tgt Ion: 65 Resp: 113521

Ion Ratio Lower Upper

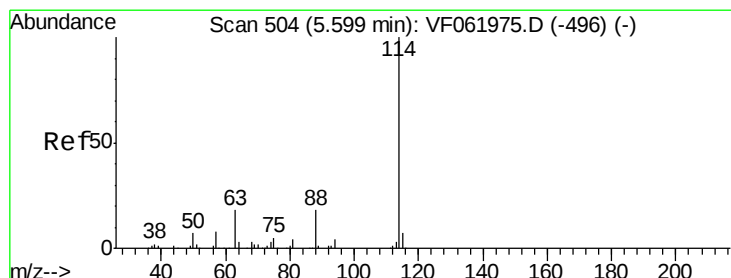
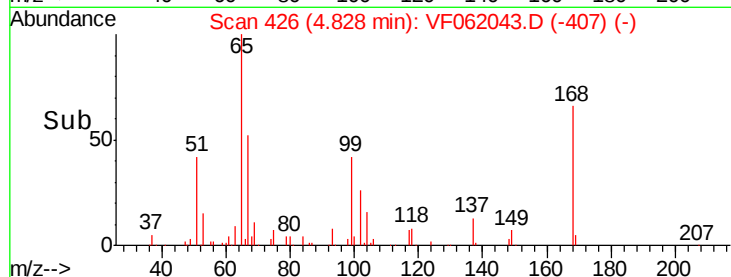
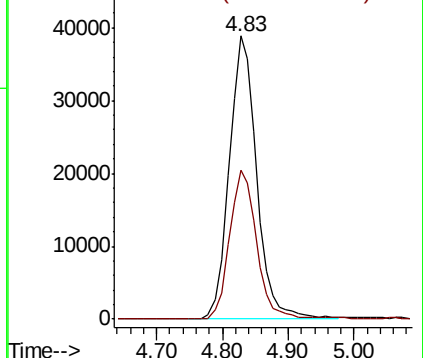
65 100

67 52.4 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

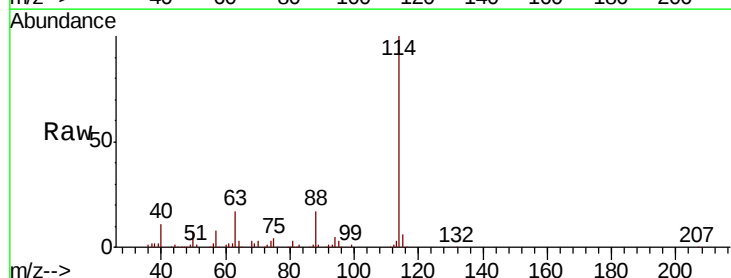
Tgt Ion: 114 Resp: 358658

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

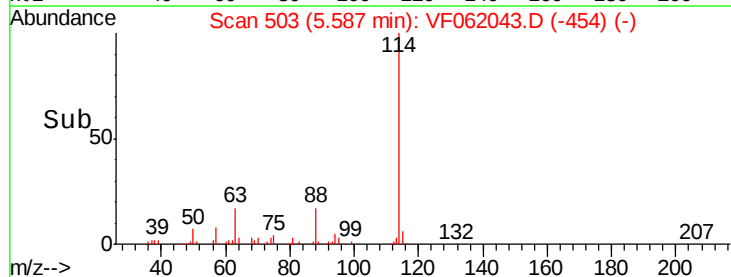
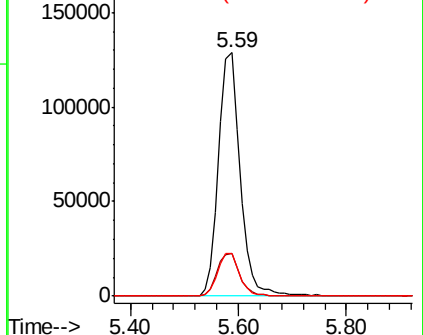
88 17.3 0.0 36.4

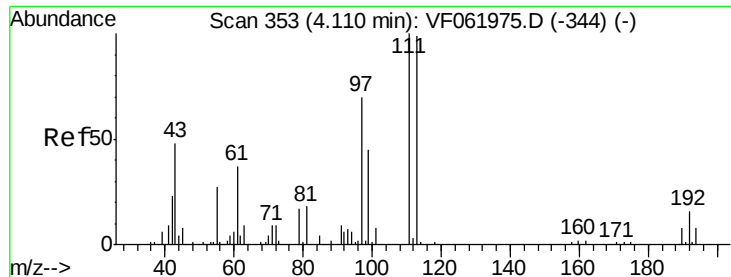


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 65.612 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

Instrument :
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OR-03-031819-BRE

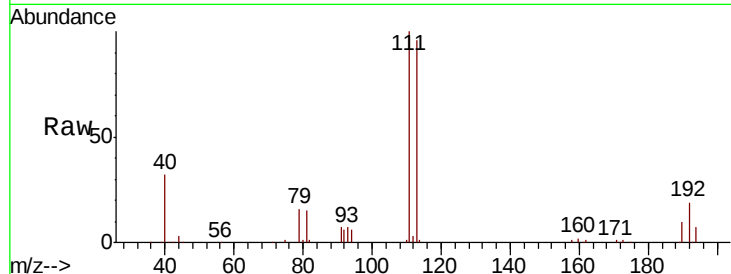
Tgt Ion: 113 Resp: 158025

Ion Ratio Lower Upper

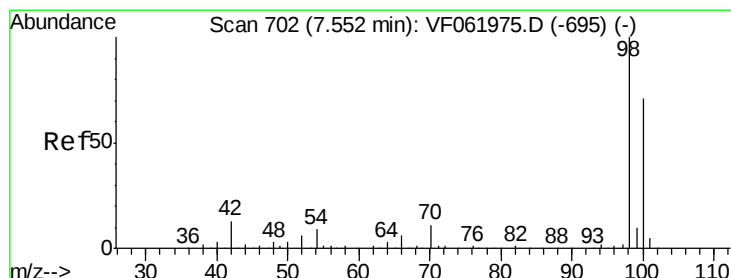
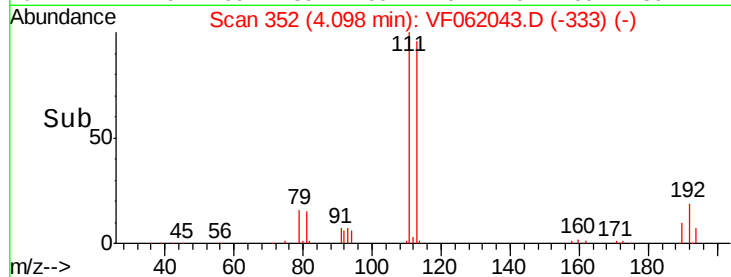
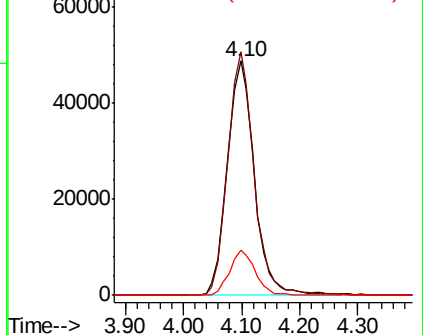
113 100

111 103.8 80.8 121.2

192 19.2 13.0 19.6



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



#50

Toluene-d8

Concen: 52.235 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062043.D

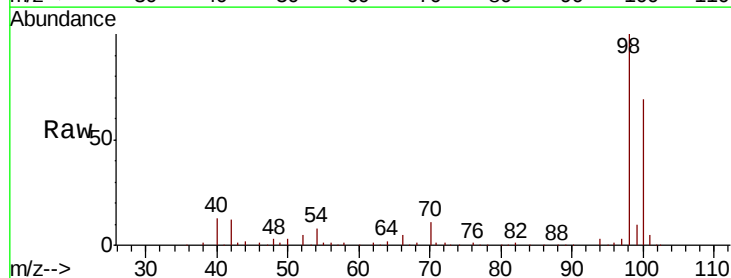
Acq: 20 Mar 2019 16:39

Tgt Ion: 98 Resp: 367767

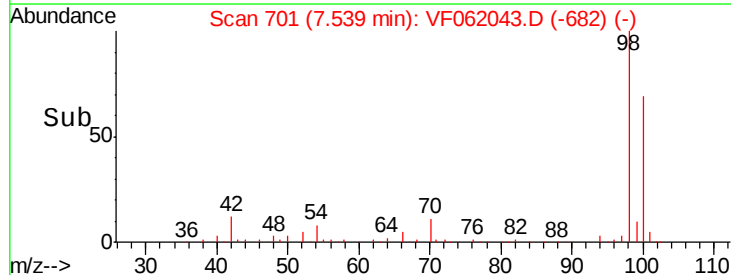
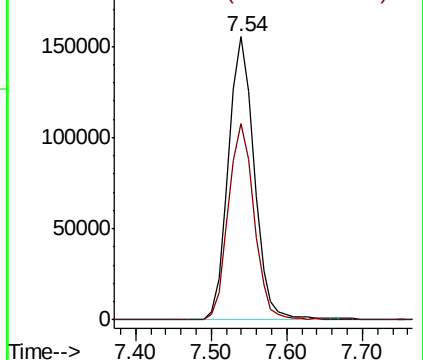
Ion Ratio Lower Upper

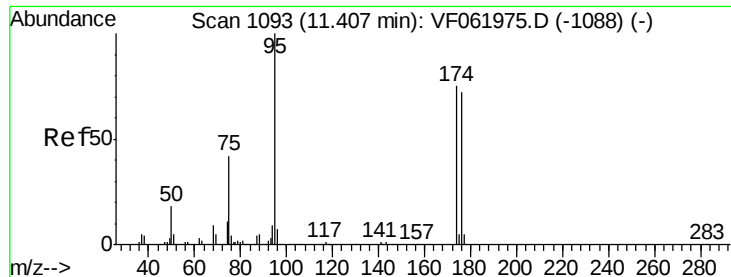
98 100

100 69.4 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 53.760 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

Instrument :

MSVOA_F

ClientSampleId :

OR-03-031819-BRE

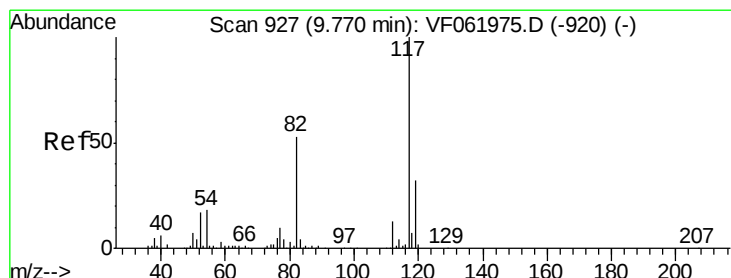
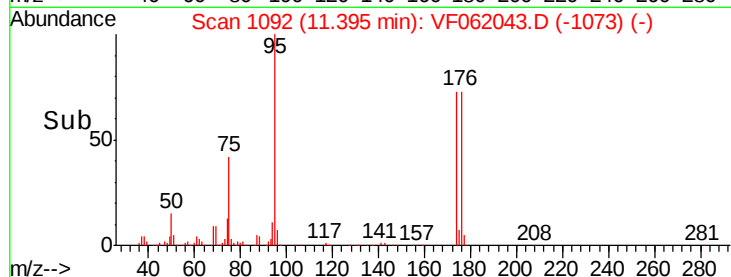
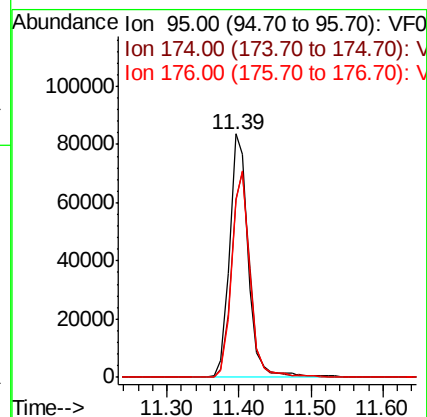
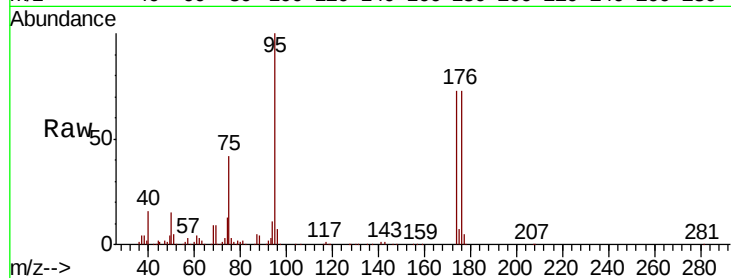
Tgt Ion: 95 Resp: 150366

Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.4

176 72.5 0.0 143.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF062043.D

Acq: 20 Mar 2019 16:39

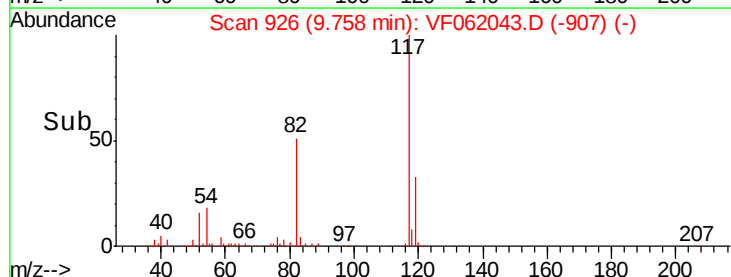
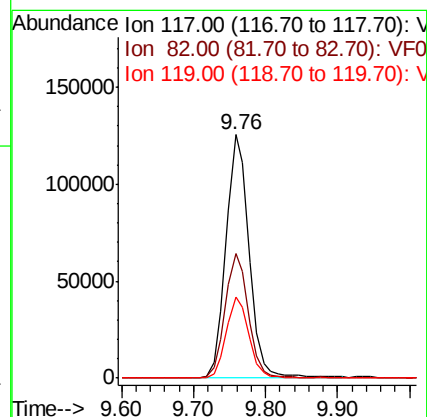
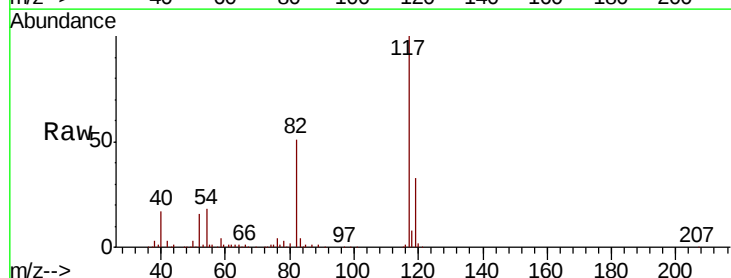
Tgt Ion: 117 Resp: 279910

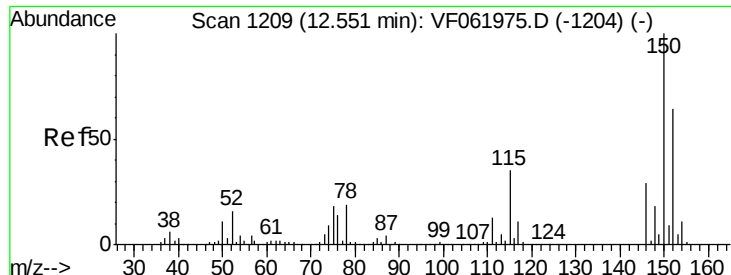
Ion Ratio Lower Upper

117 100

82 50.9 42.5 63.7

119 33.2 25.4 38.0

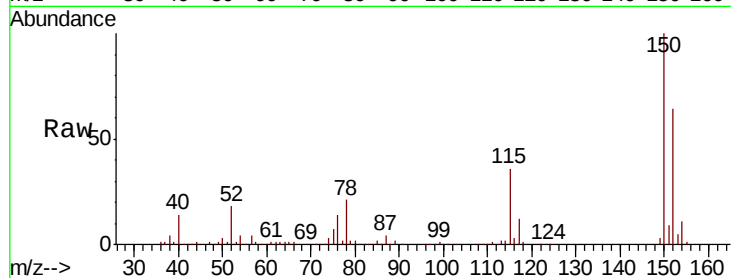




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF062043.D
 Acq: 20 Mar 2019 16:39

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-031819-BRE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.3	81.9
150	155.3	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

