

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061934.D
 Acq On : 13 Mar 2019 18:22
 Operator : VA/AP
 Sample : K1693-07
 Misc : 8.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-031219-B

Quant Time: Mar 14 01:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	284564	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	435946	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	371239	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	194104	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	98946	47.75	ug/l	-0.02
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	4.10	113	160036	52.60	ug/l	-0.02
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	7.54	98	407266	45.04	ug/l	-0.02
Spiked Amount			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	11.39	95	162380	45.84	ug/l	-0.02
Spiked Amount			Recovery	=	91.68%	

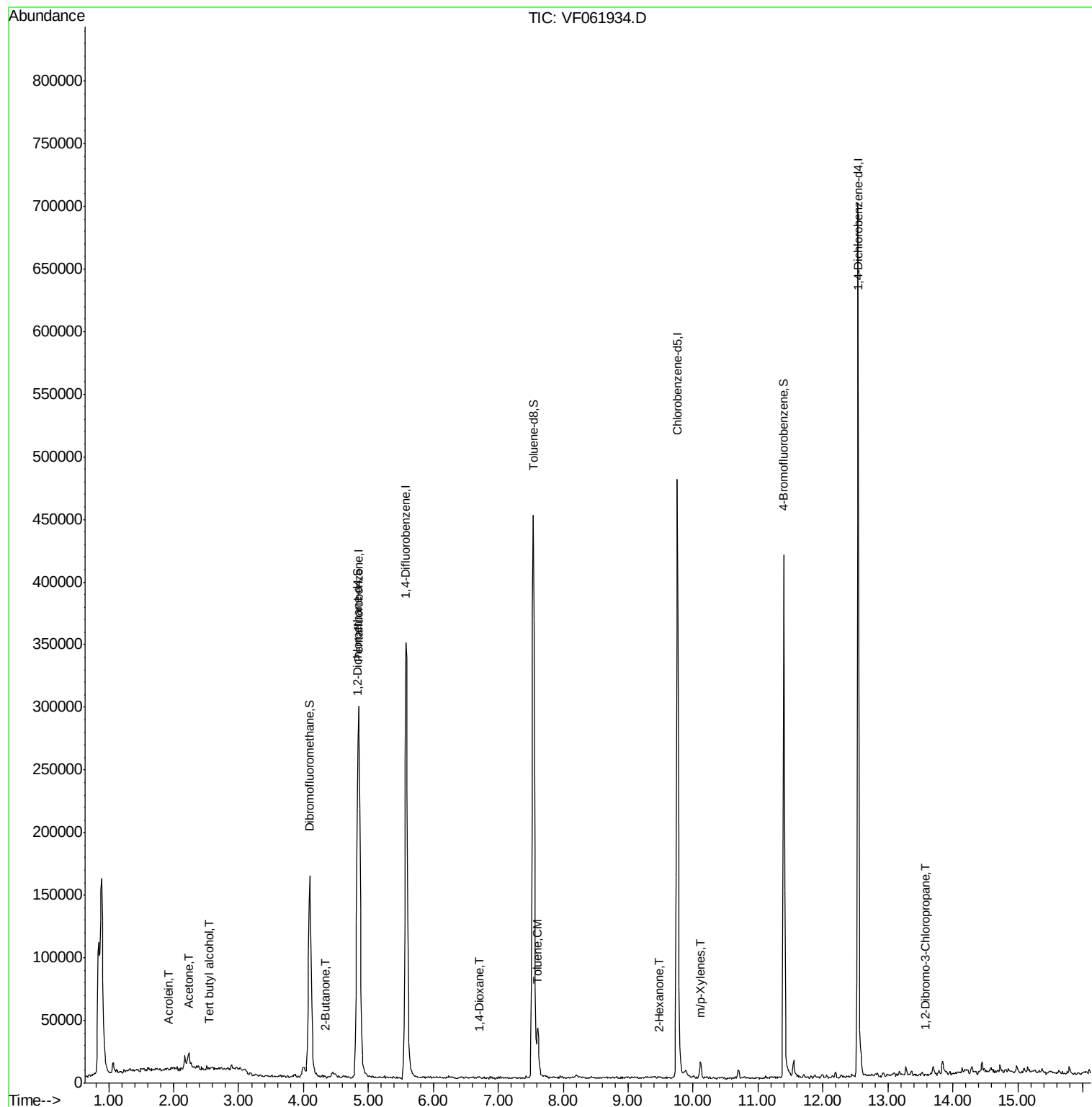
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	268	2.278	ug/l #	64
13) Acrolein	1.93	56	390	2.617	ug/l	93
16) Acetone	2.23	43	14188	32.684	ug/l #	89
18) Methyl Acetate	2.36	43	3405	Below Cal	#	90
20) Methylene Chloride	2.17	84	4324	Below Cal		95
25) 2-Butanone	4.32	43	1960	2.220	ug/l #	56
49) 1,4-Dioxane	6.71	88	59	4.786	ug/l #	26
52) Toluene	7.61	92	20324	3.192	ug/l	97
59) 2-Hexanone	9.48	43	1118	1.052	ug/l	63
68) m/p-Xylenes	10.11	106	5012	1.107	ug/l	82
92) 1,2-Dibromo-3-Chloropropan	13.57	75	83	3.966	ug/l #	1

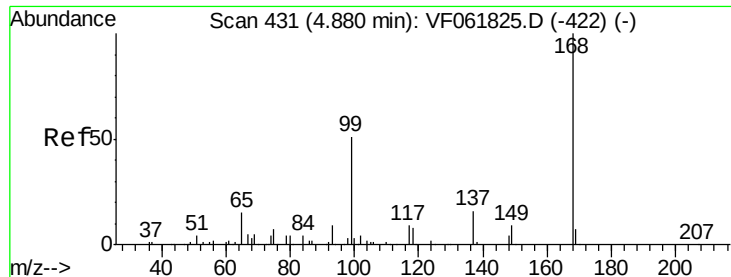
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

Instrument :

MSVOA_F

ClientSampleId :

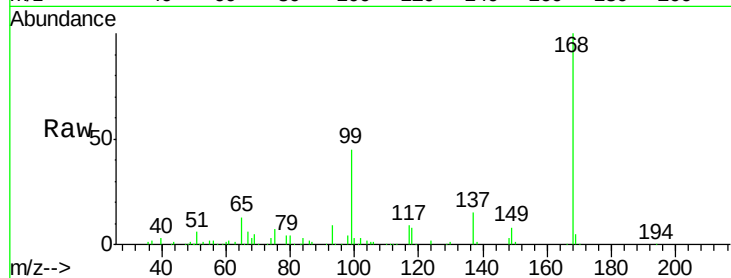
OR-02-031219-B

Tot Ion:168 Resp: 284564

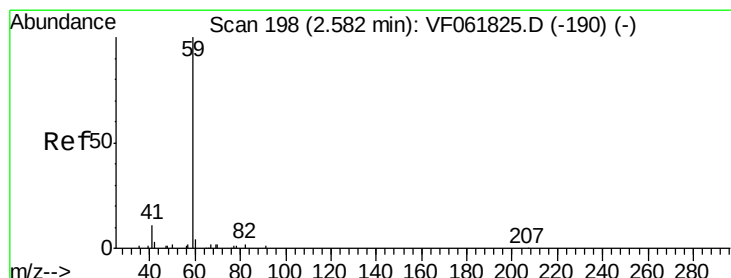
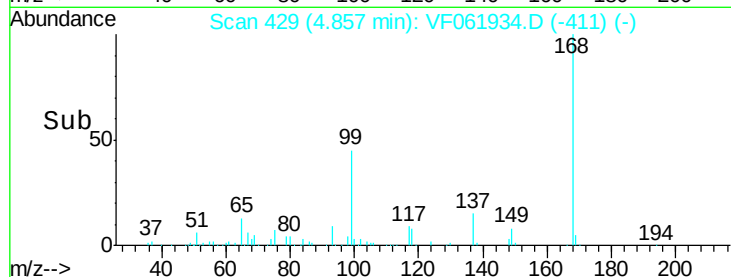
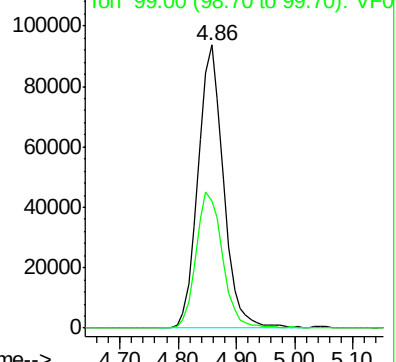
Ion Ratio Lower Upper

168 100

99 44.8 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.278 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061934.D

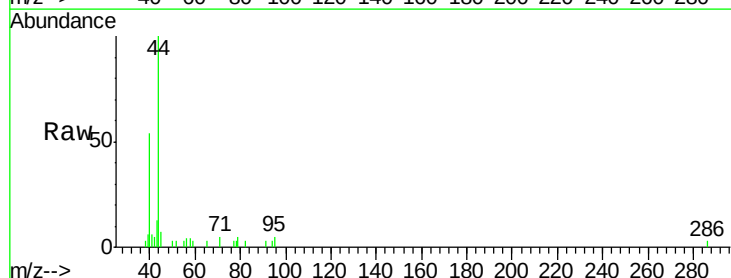
Acq: 13 Mar 2019 18:22

Tgt Ion: 59 Resp: 268

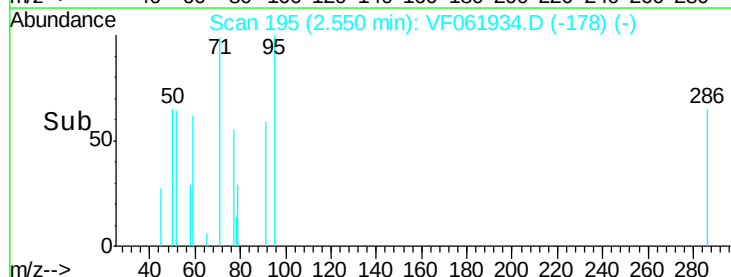
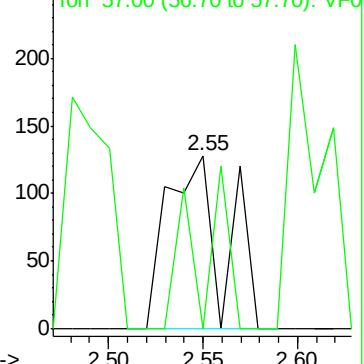
Ion Ratio Lower Upper

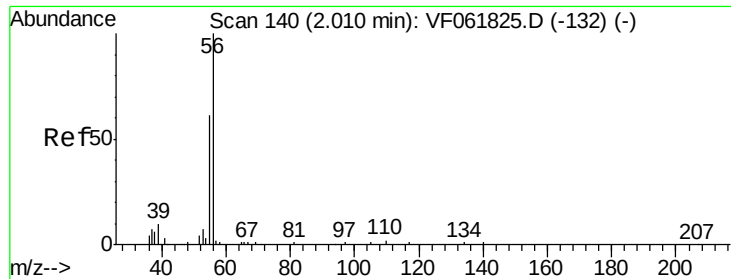
59 100

57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 2.617 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.08 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

Instrument :

MSVOA_F

ClientSampleId :

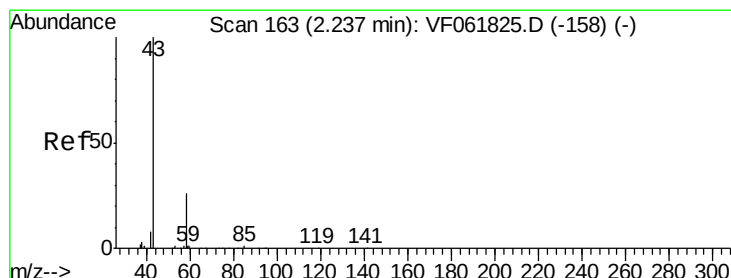
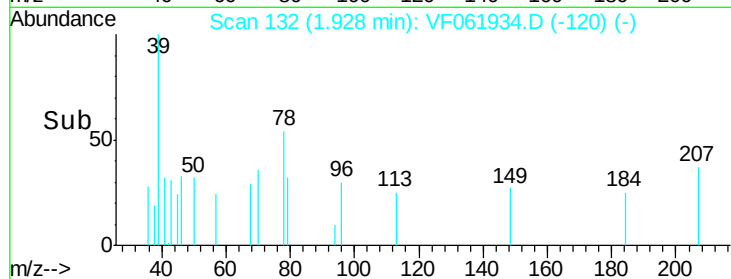
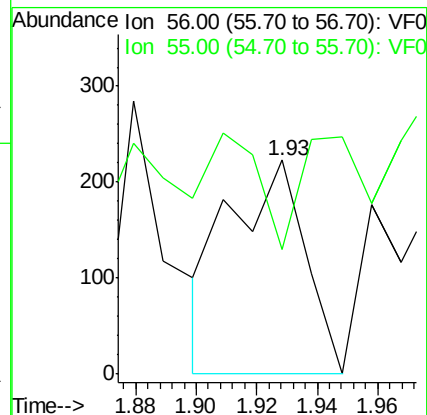
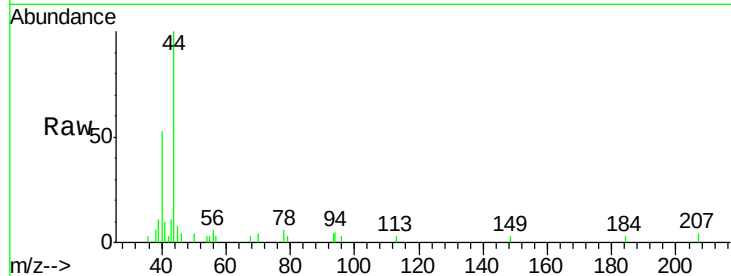
OR-02-031219-B

Tot Ion: 56 Resp: 390

Ion Ratio Lower Upper

56 100

55 58.3 51.3 76.9



#16

Acetone

Concen: 32.684 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061934.D

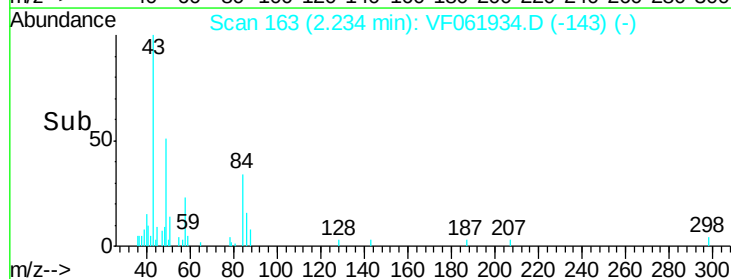
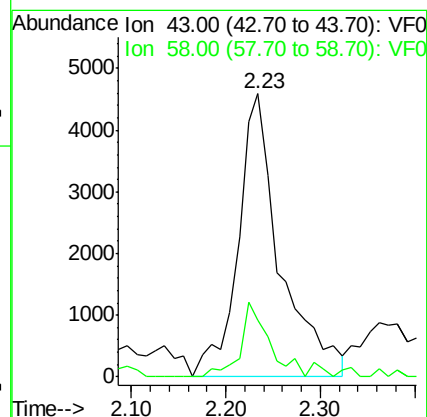
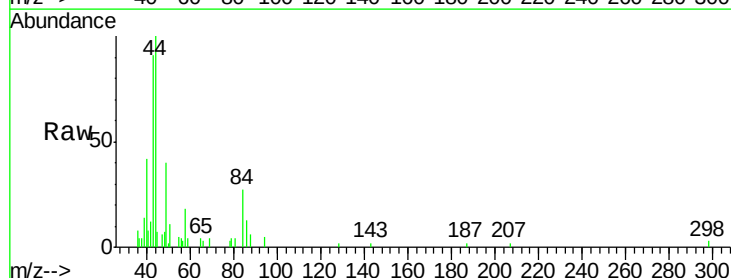
Acq: 13 Mar 2019 18:22

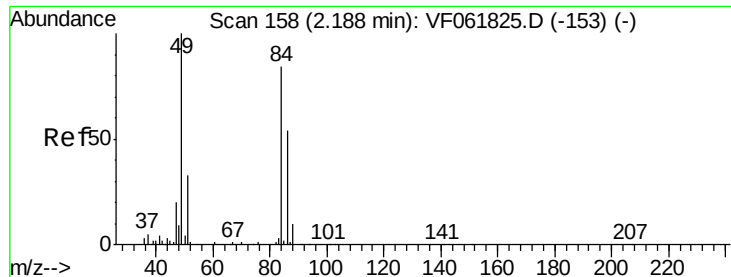
Tgt Ion: 43 Resp: 14188

Ion Ratio Lower Upper

43 100

58 19.9 20.3 30.5#

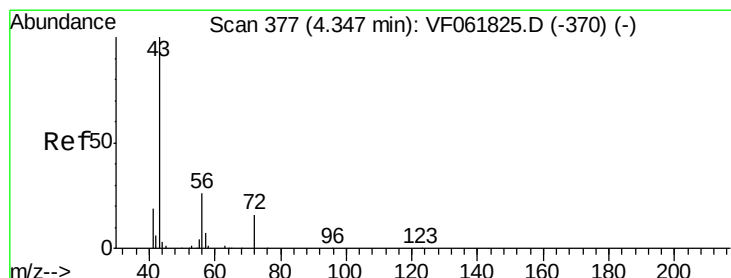
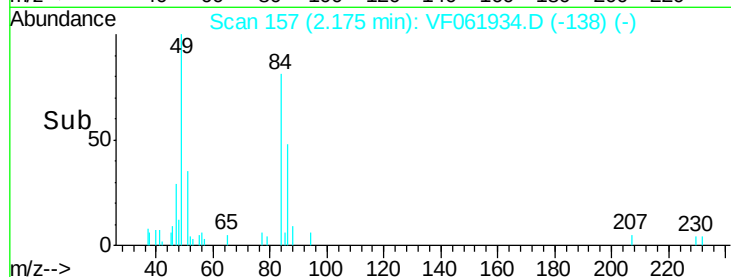
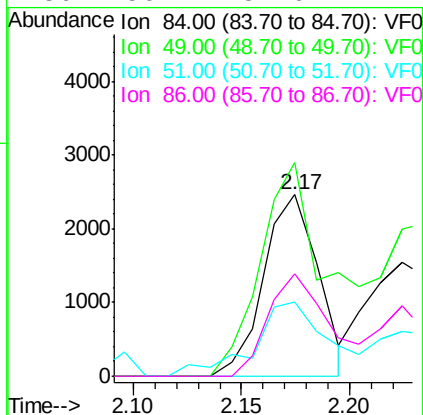
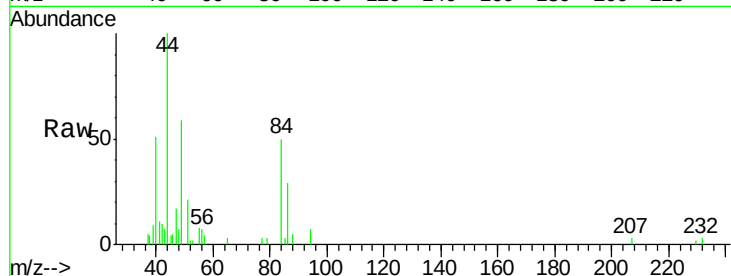




#20
Methylene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

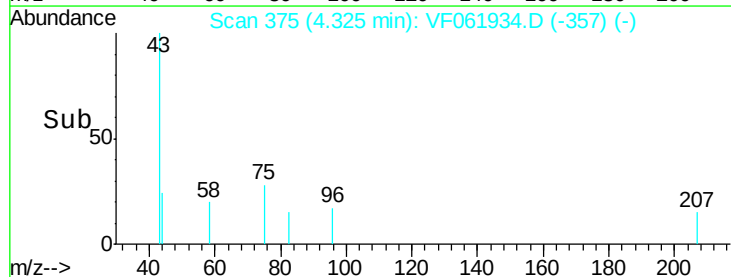
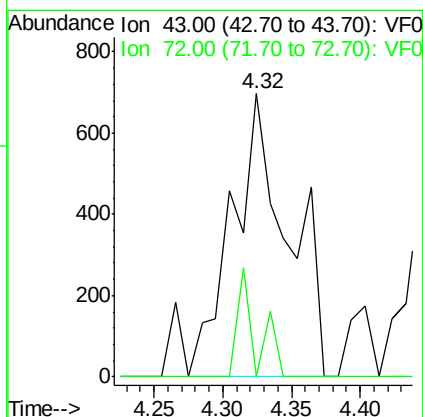
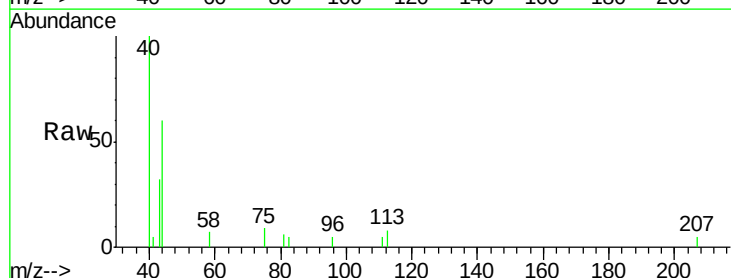
Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-B

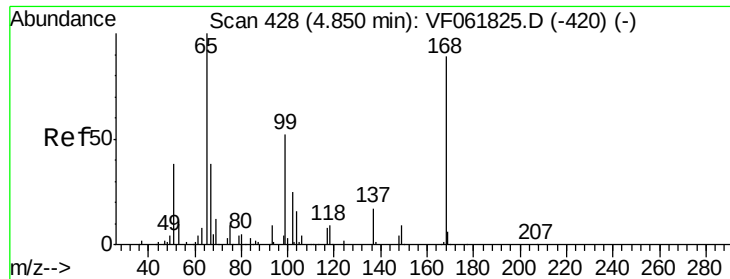
Tot Ion: 84 Resp: 4324
Ion Ratio Lower Upper
84 100
49 117.7 96.8 145.2
51 41.2 31.8 47.6
86 56.7 51.6 77.4



#25
2-Butanone
Concen: 2.220 ug/l
RT: 4.32 min Scan# 375
Delta R.T. -0.02 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

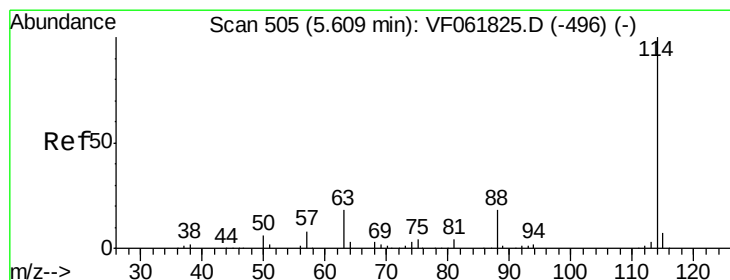
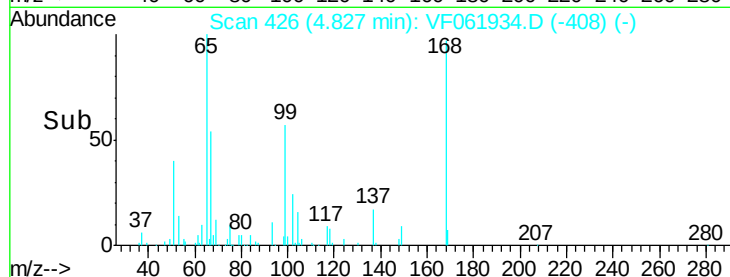
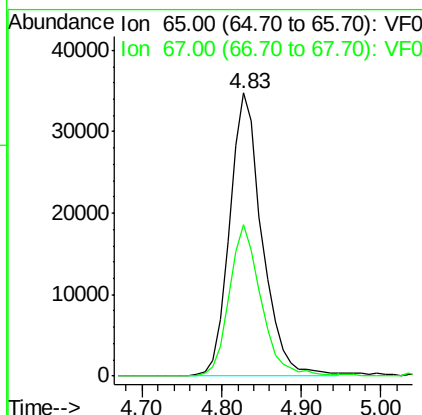
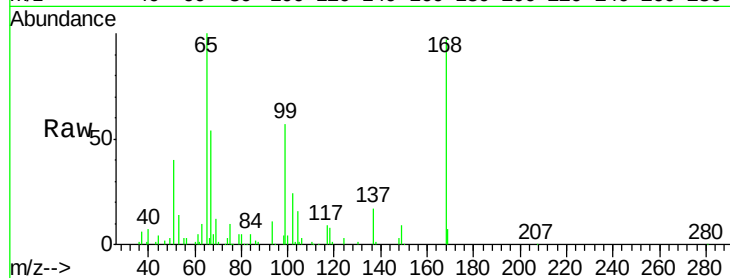




#33
 1,2-Dichloroethane-d4
 Concen: 47.746 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061934.D
 Acq: 13 Mar 2019 18:22

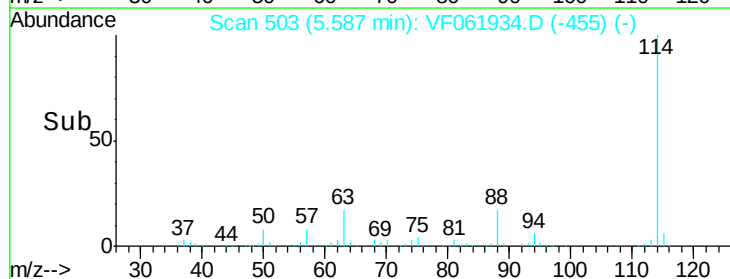
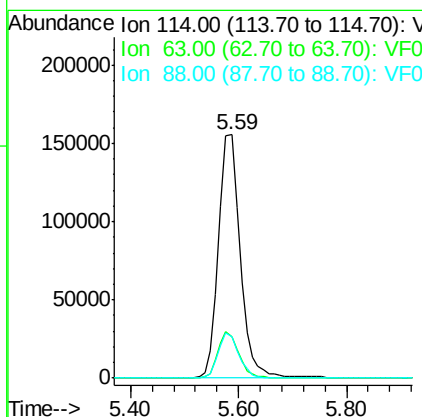
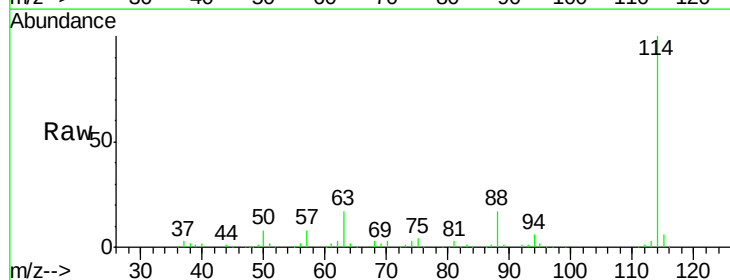
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-031219-B

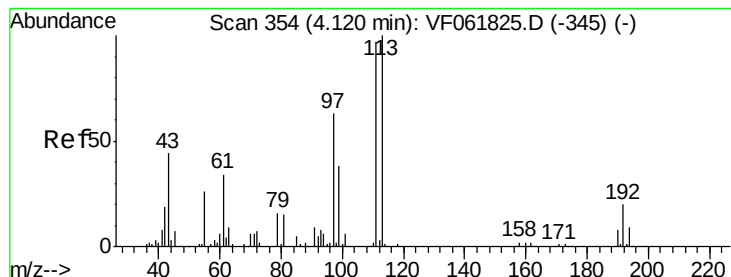
Tot Ion: 65 Resp: 98946
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061934.D
 Acq: 13 Mar 2019 18:22

Tgt Ion: 114 Resp: 435946
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.6
 88 17.0 0.0 35.6





#35

Dibromofluoromethane

Concen: 52.603 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-B

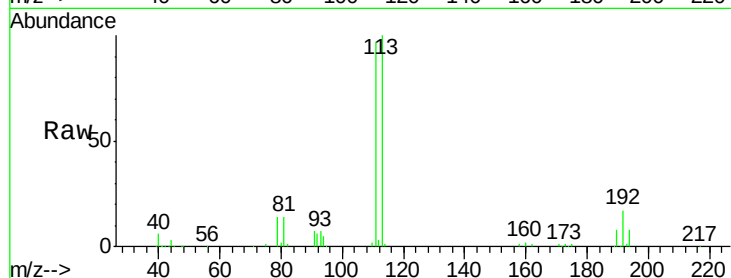
Tot Ion:113 Resp: 160036

Ion Ratio Lower Upper

113 100

111 97.3 77.6 116.4

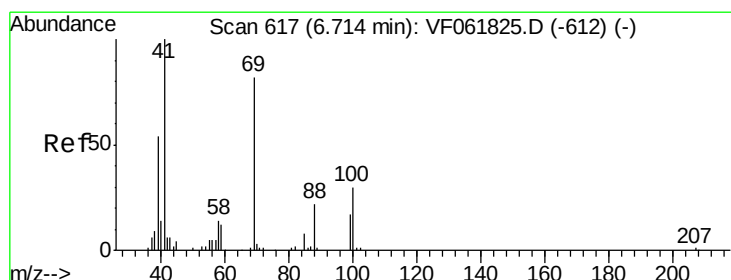
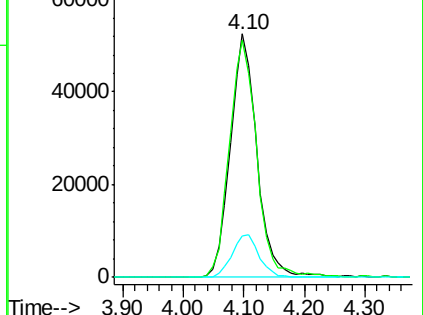
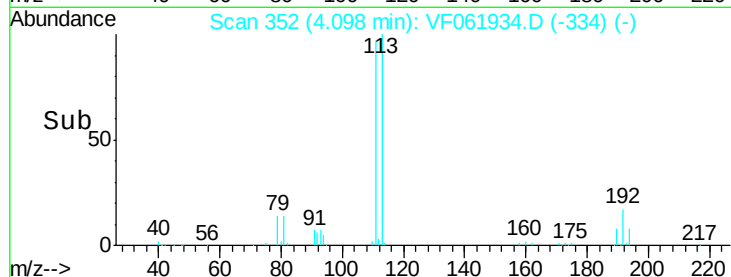
192 16.9 15.9 23.9



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: 4.786 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

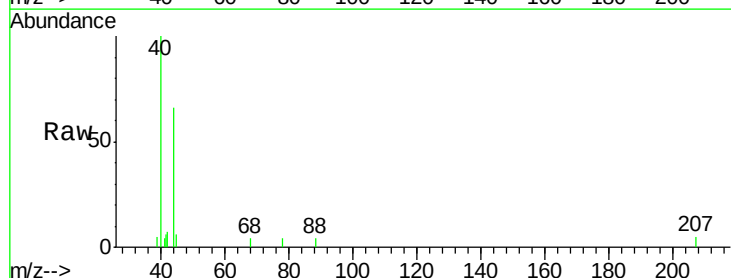
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 28.4 42.6#

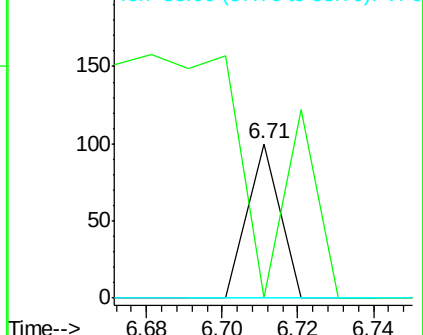
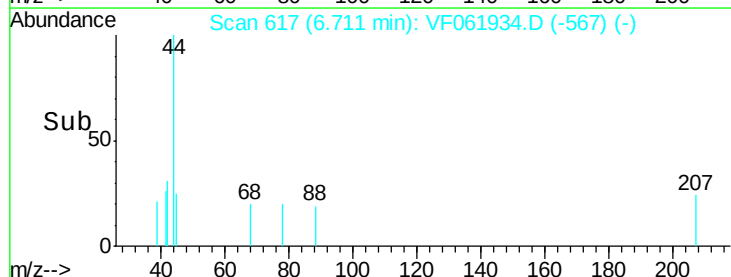
58 0.0 50.7 76.1#

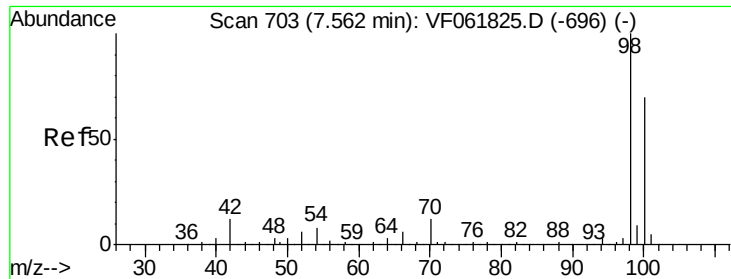


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

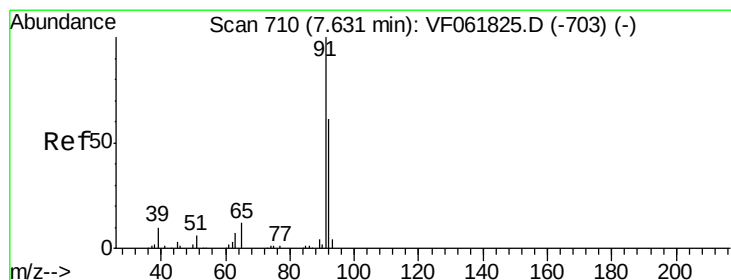
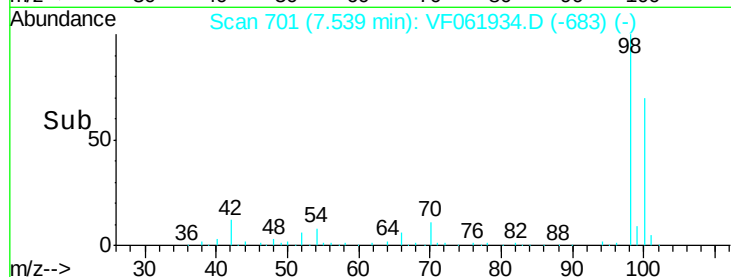
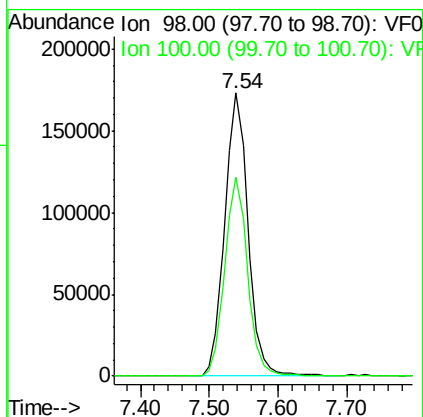
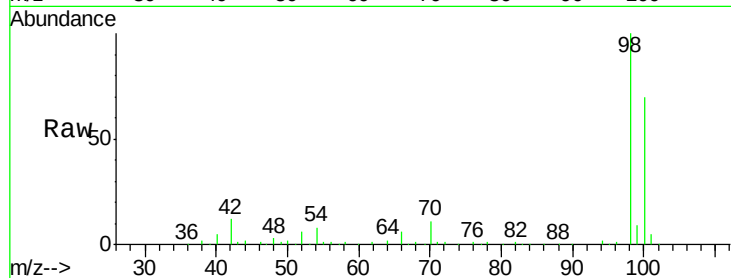




#50
Toluene-d8
Concen: 45.038 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

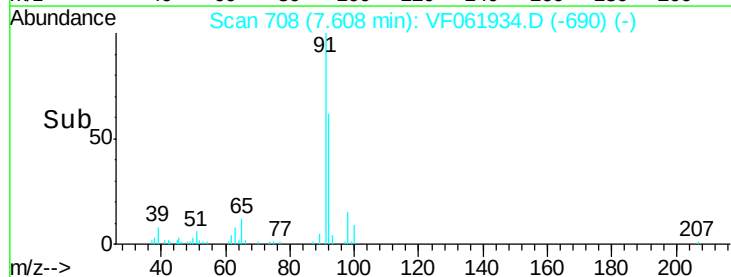
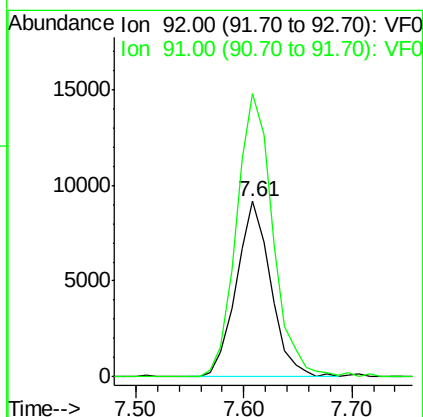
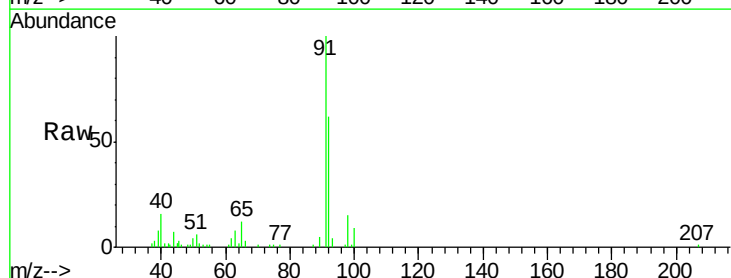
Instrument :
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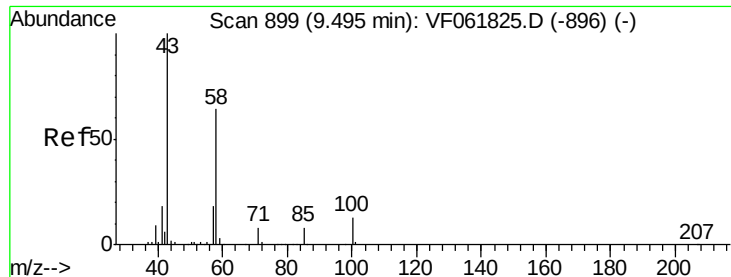
Tot Ion: 98 Resp: 407266
Ion Ratio Lower Upper
98 100
100 70.2 56.0 84.0



#52
Toluene
Concen: 3.192 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

Tgt Ion: 92 Resp: 20324
Ion Ratio Lower Upper
92 100
91 161.2 132.0 198.0





#59

2-Hexanone

Concen: 1.052 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

Instrument :

MSVOA_F

ClientSampleId :

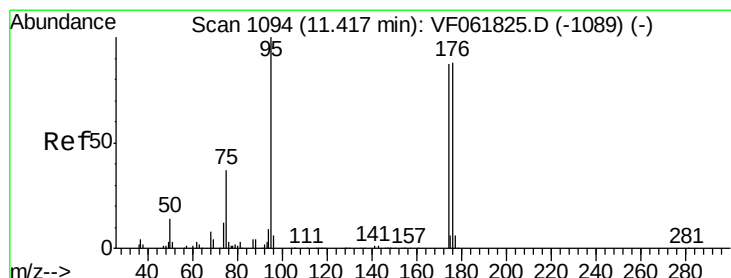
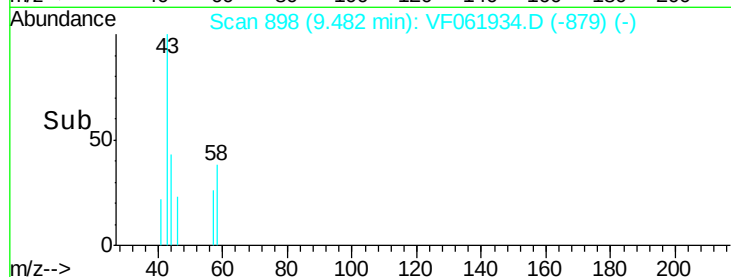
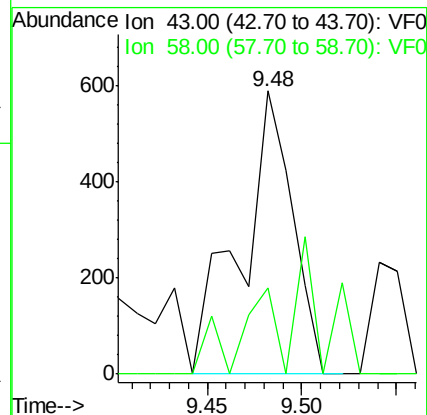
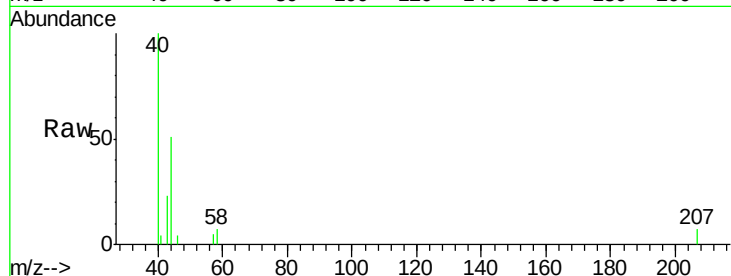
OR-02-031219-B

Tot Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 30.4 28.8 86.4



#62

4-Bromofluorobenzene

Concen: 45.841 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

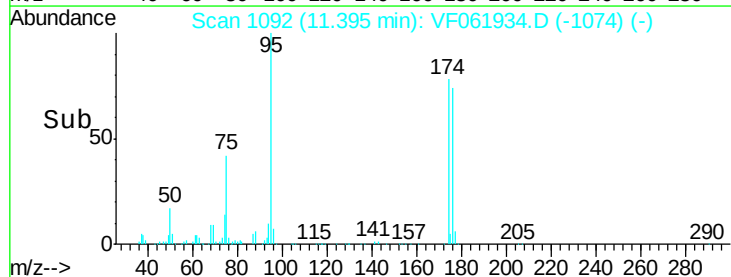
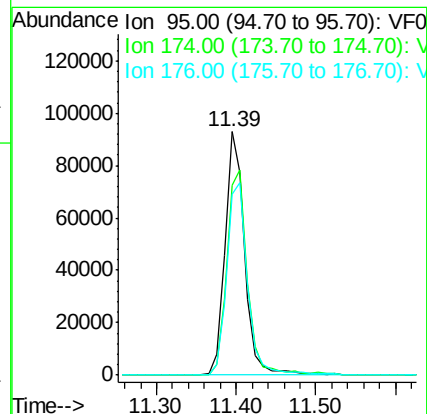
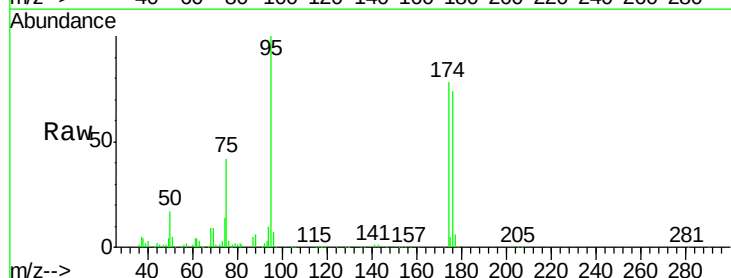
Tgt Ion: 95 Resp: 162380

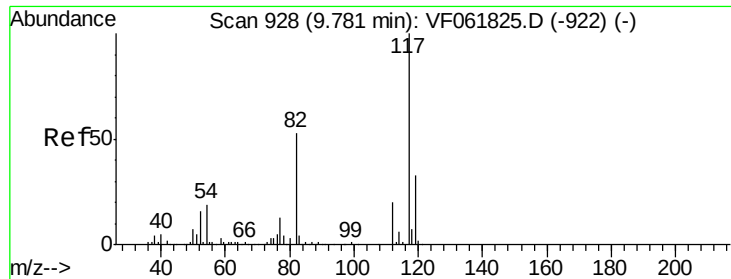
Ion Ratio Lower Upper

95 100

174 77.8 0.0 174.0

176 74.3 0.0 175.2

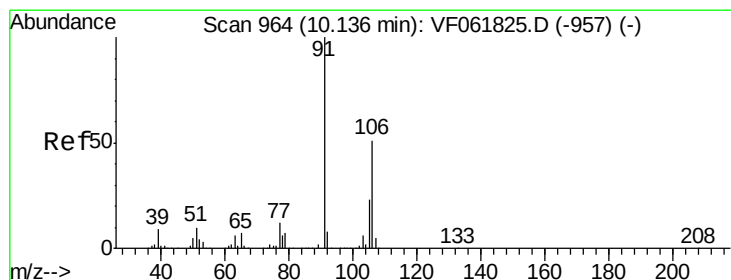
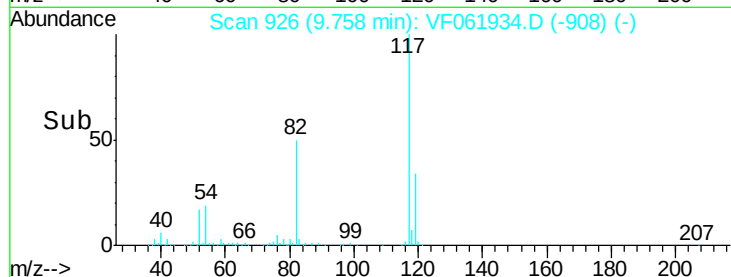
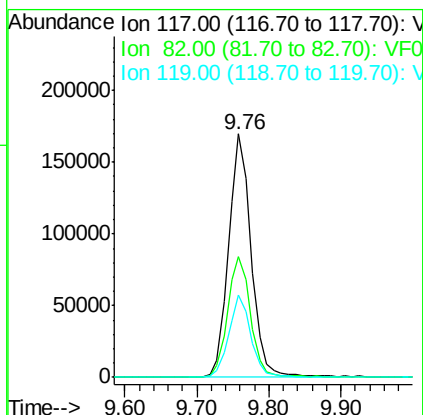
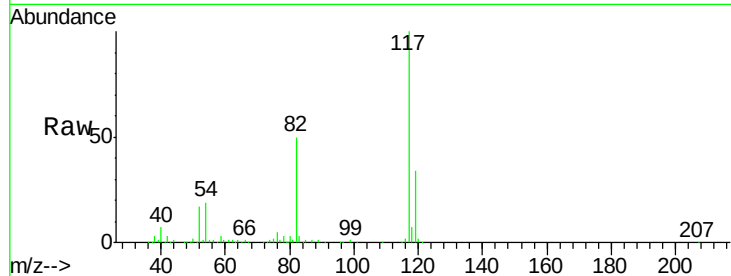




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

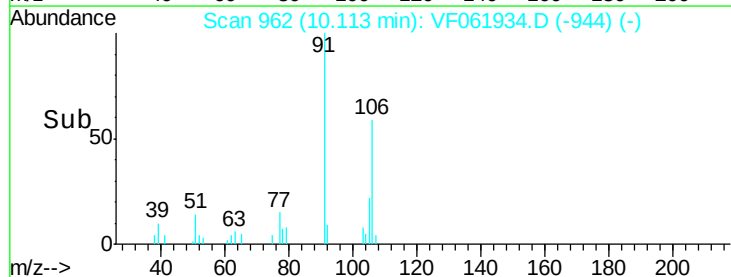
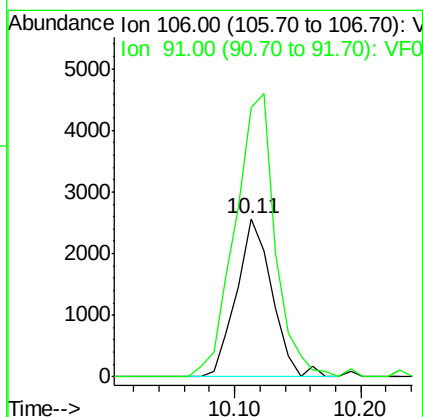
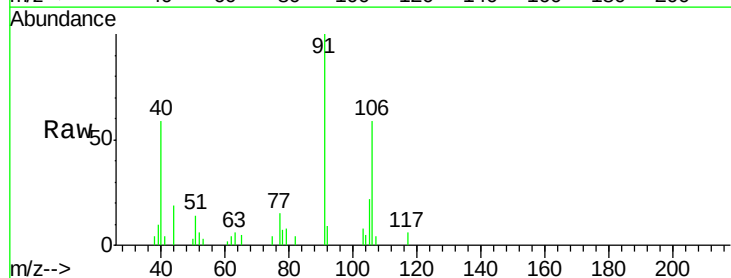
Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-B

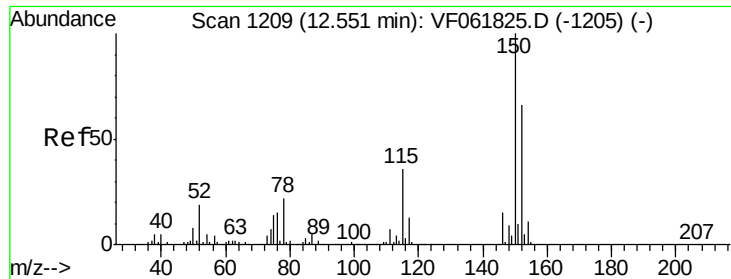
Tot Ion:117 Resp: 371239
Ion Ratio Lower Upper
117 100
82 49.6 42.6 63.8
119 33.6 26.0 39.0



#68
m/p-Xylenes
Concen: 1.107 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF061934.D
Acq: 13 Mar 2019 18:22

Tgt Ion:106 Resp: 5012
Ion Ratio Lower Upper
106 100
91 170.2 157.5 236.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-B

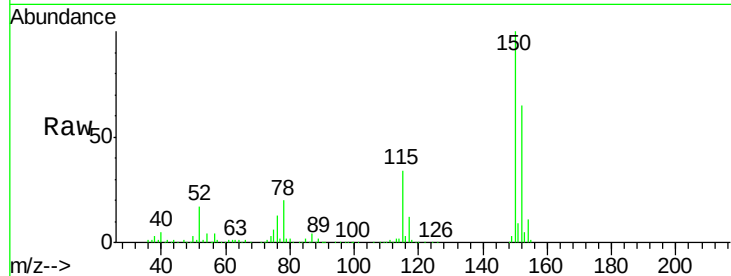
Tot Ion:152 Resp: 194104

Ion Ratio Lower Upper

152 100

115 51.9 27.7 83.1

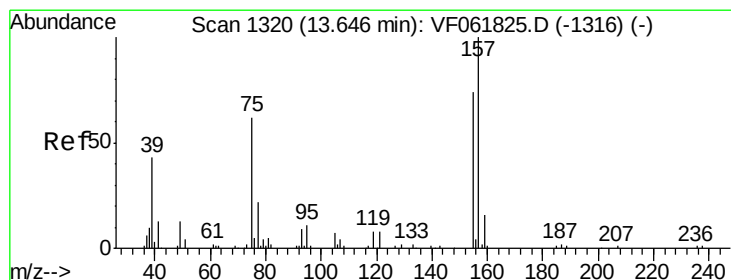
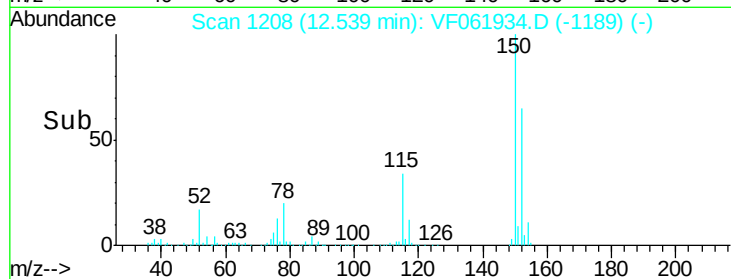
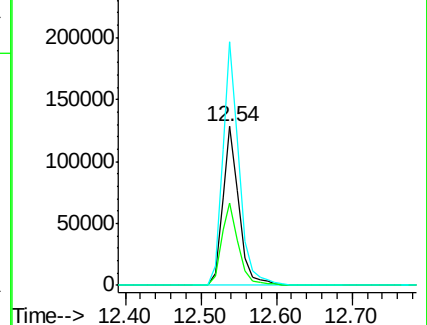
150 153.3 0.0 304.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.966 ug/l

RT: 13.57 min Scan# 1313

Delta R.T. -0.07 min

Lab File: VF061934.D

Acq: 13 Mar 2019 18:22

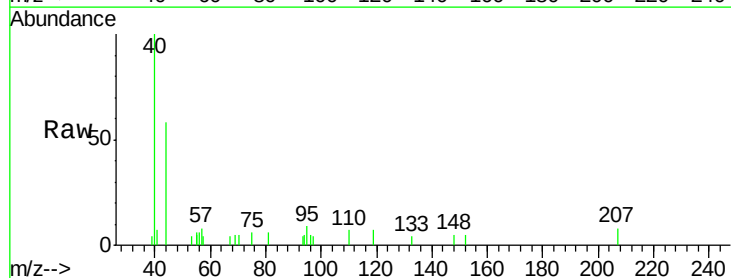
Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

