

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061401.D
 Acq On : 14 Jan 2019 20:54
 Operator : VA/AP
 Sample : K1139-17
 Misc : 2.96g/5mL/MSVOA-F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:43:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

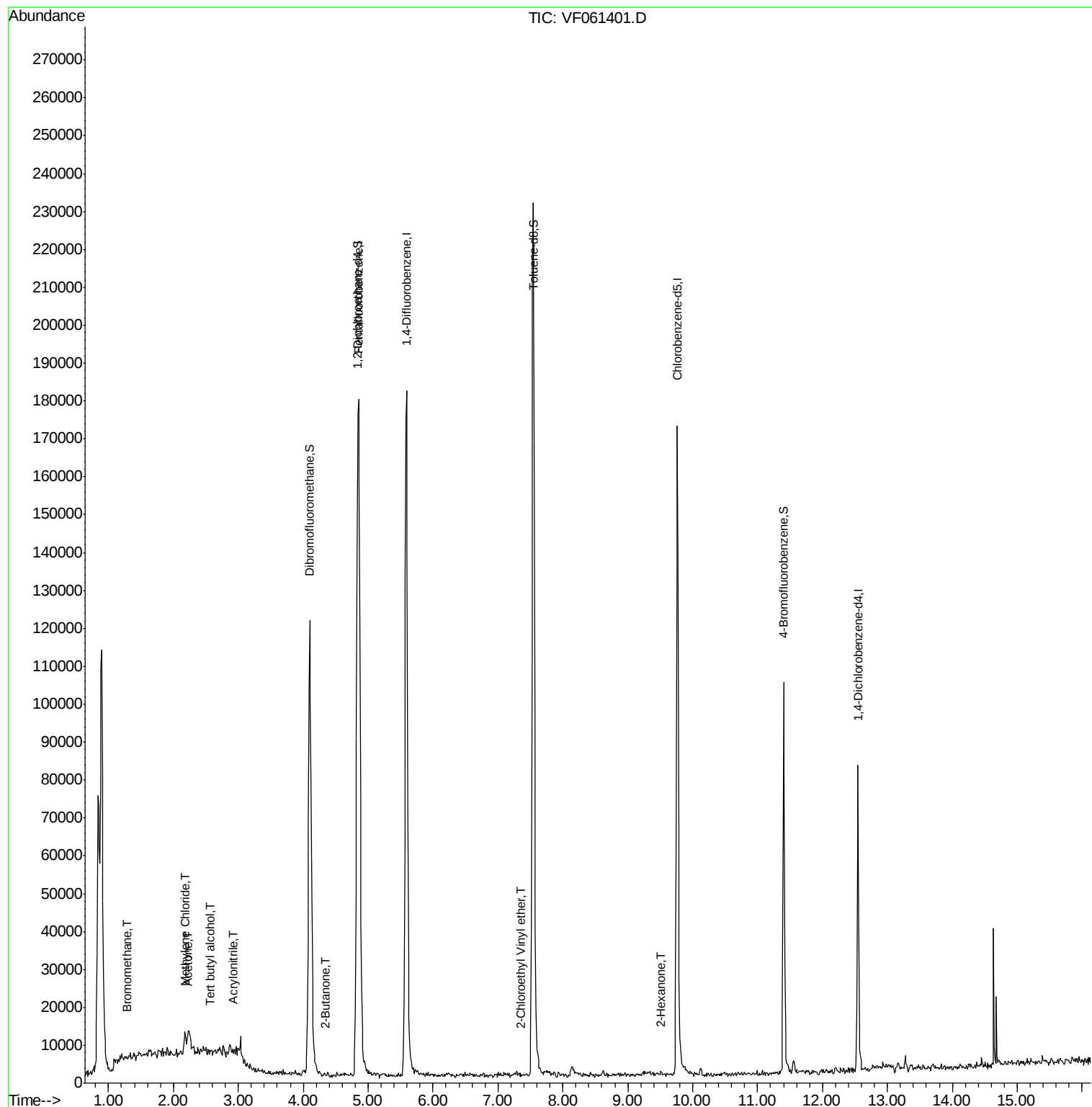
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	120244	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	205562	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	122852	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	20697	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	95542	71.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	142.78%	
35) Dibromofluoromethane	4.10	113	113316	72.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	144.08%	
50) Toluene-d8	7.54	98	200351	43.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.40	95	41972	20.65	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	41.30%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.29	94	543	3.245	ug/l #	6
11) Tert butyl alcohol	2.57	59	125	2.333	ug/l #	58
13) Acrolein	2.02	56	297	Below Cal		88
15) Acrylonitrile	2.92	53	427	2.248	ug/l #	70
16) Acetone	2.23	43	3903	12.536	ug/l #	84
20) Methylene Chloride	2.18	84	2556	1.941	ug/l #	82
25) 2-Butanone	4.35	43	642	1.281	ug/l #	56
58) 2-Chloroethyl Vinyl ether	7.35	63	63	1.312	ug/l #	56
59) 2-Hexanone	9.50	43	850	1.377	ug/l #	51

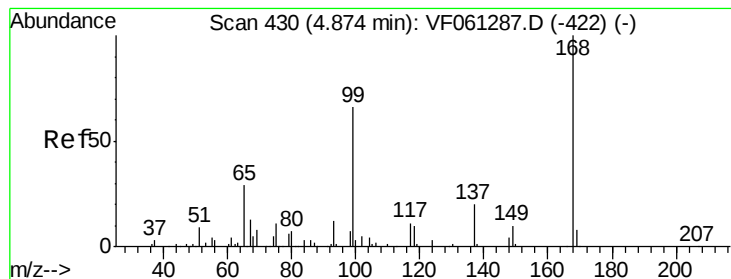
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
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: VF061401.D

Acq: 14 Jan 2019 20:54

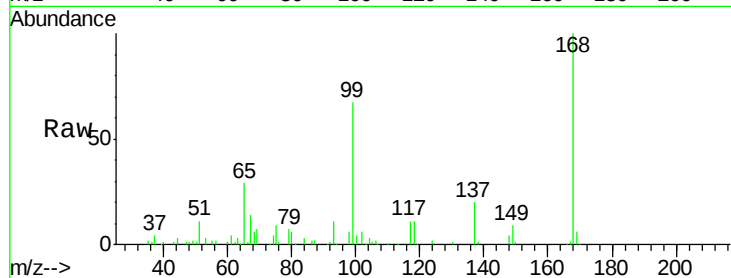
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 120244

Ion Ratio Lower Upper

168 100

99 67.1 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

40000

30000

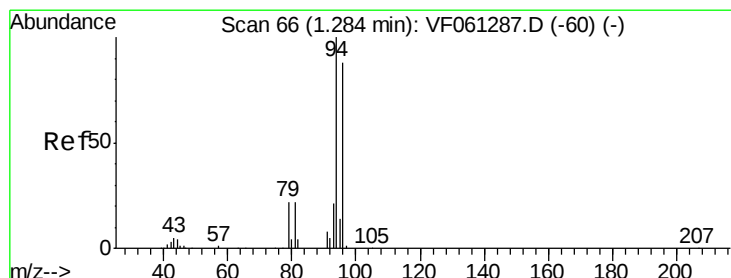
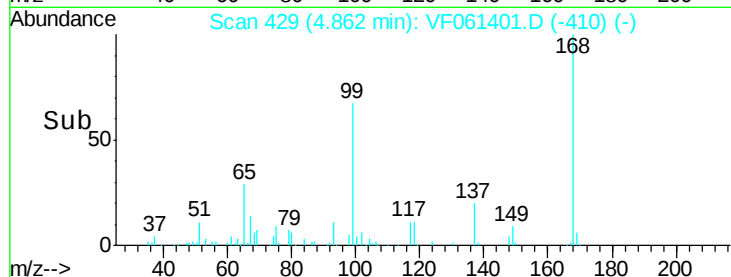
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 3.245 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF061401.D

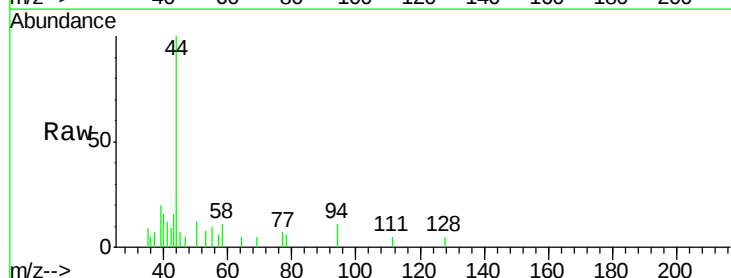
Acq: 14 Jan 2019 20:54

Tgt Ion: 94 Resp: 543

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.29

250

200

150

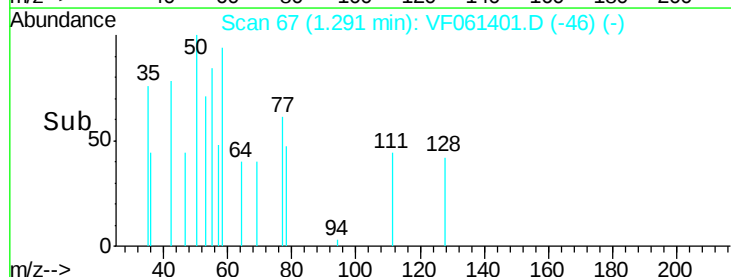
100

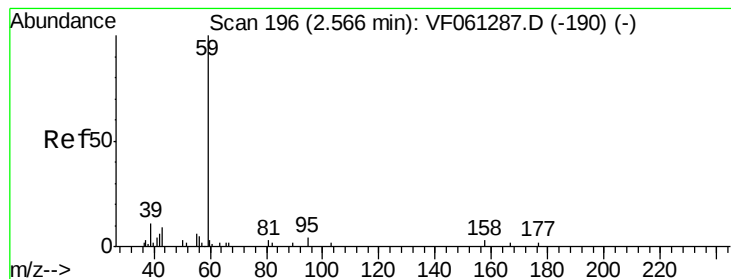
50

0

Time-->

1.25 1.30



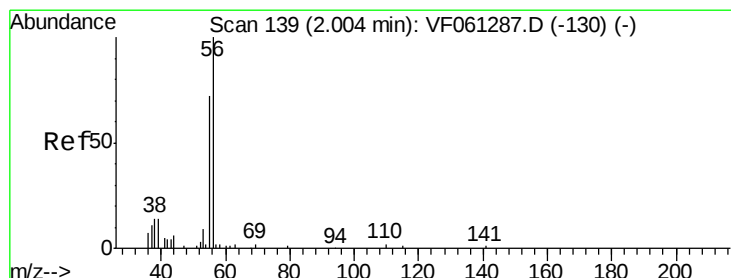
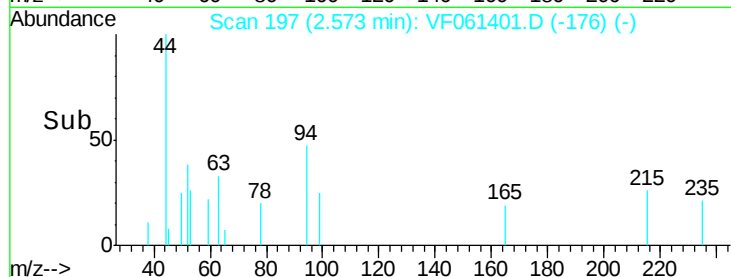
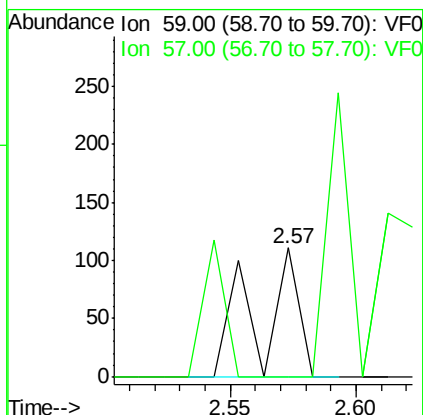
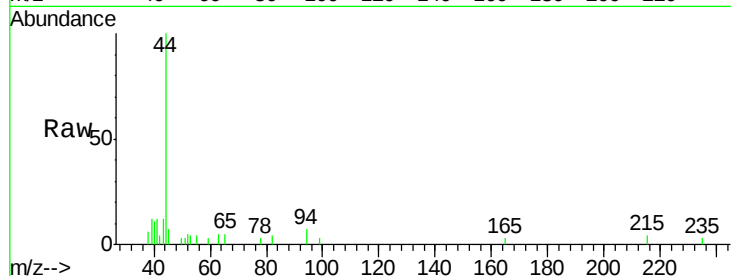


#11

Tert butyl alcohol
 Concen: 2.333 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VF061401.D
 Acq: 14 Jan 2019 20:54

Instrument :
 MSVOA_F
 ClientSampleId :

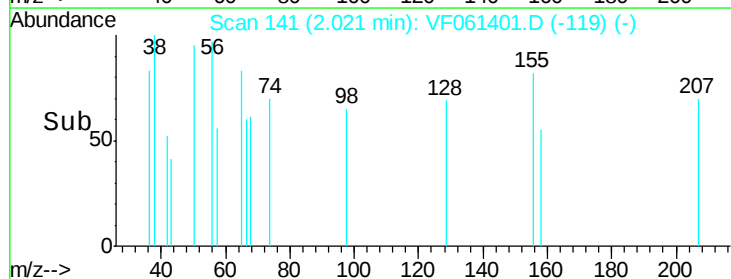
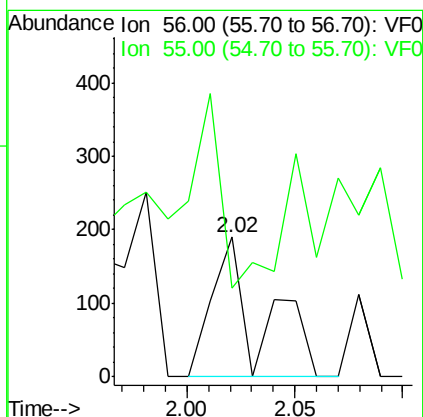
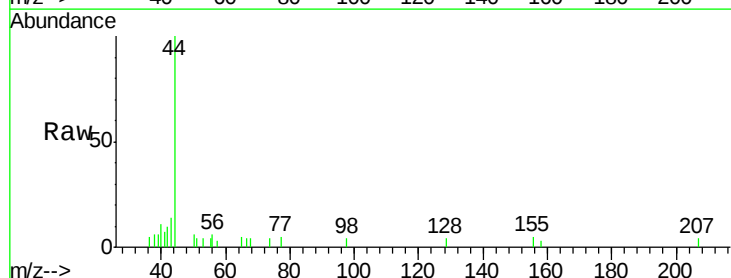
Tot Ion: 59 Resp: 125
 Ion Ratio Lower Upper
 59 100
 57 0.0 15.1 22.7#

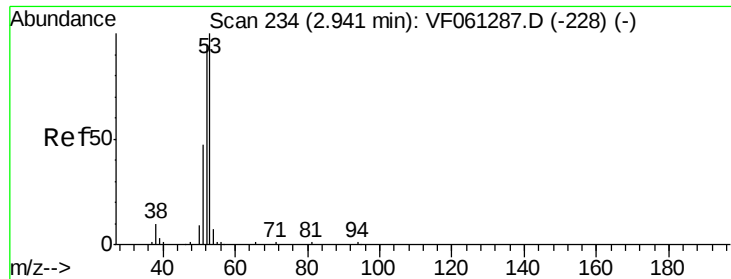


#13

Acrolein
 Concen: Below Cal
 RT: 2.02 min Scan# 141
 Delta R.T. 0.02 min
 Lab File: VF061401.D
 Acq: 14 Jan 2019 20:54

Tgt Ion: 56 Resp: 297
 Ion Ratio Lower Upper
 56 100
 55 63.7 59.4 89.0





#15

Acrylonitrile

Concen: 2.248 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

Instrument :
MSVOA_F
ClientSampleId :

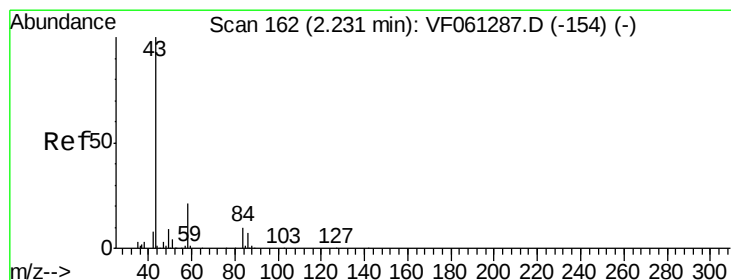
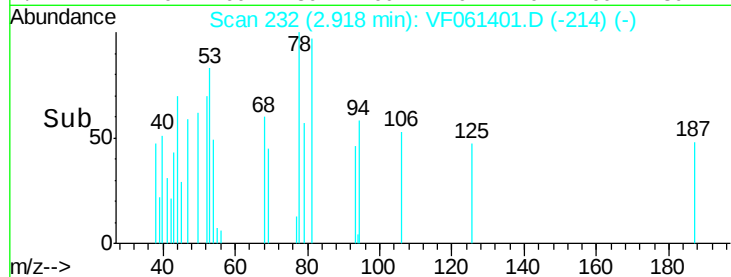
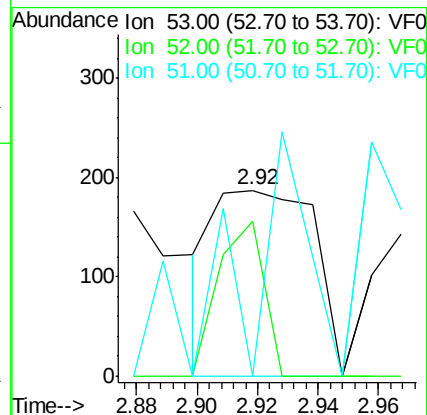
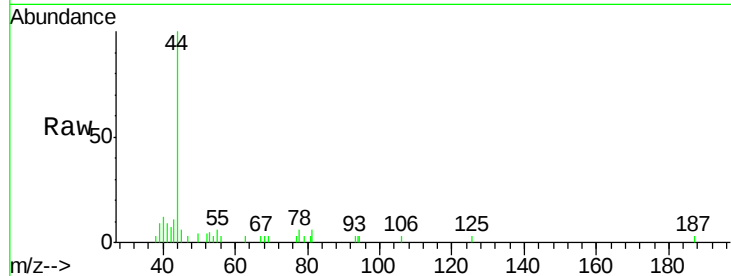
Tot Ion: 53 Resp: 427

Ion Ratio Lower Upper

53 100

52 83.4 74.6 111.8

51 0.0 37.8 56.6#



#16

Acetone

Concen: 12.536 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061401.D

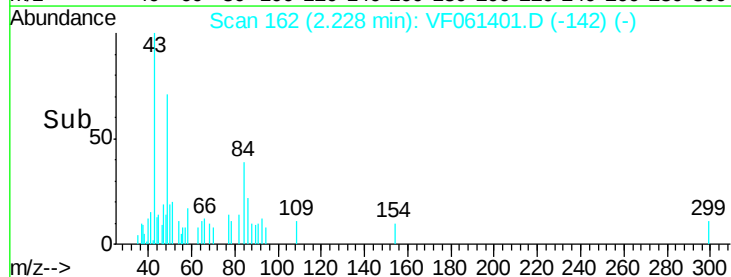
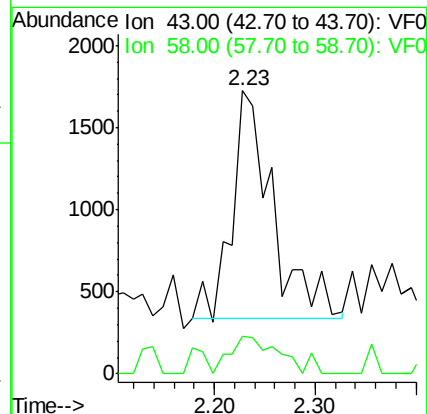
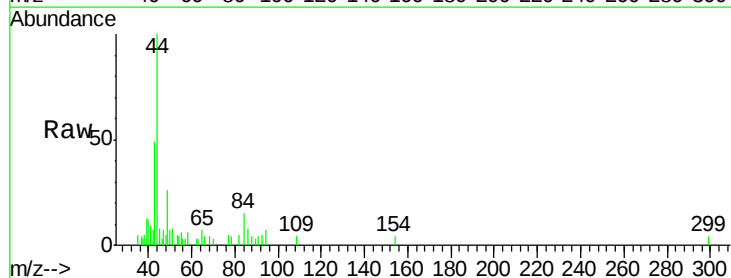
Acq: 14 Jan 2019 20:54

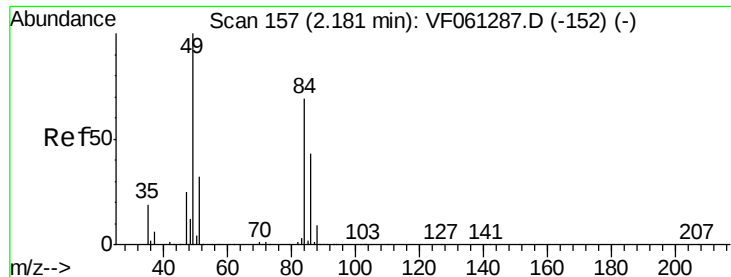
Tgt Ion: 43 Resp: 3903

Ion Ratio Lower Upper

43 100

58 13.1 16.6 25.0#

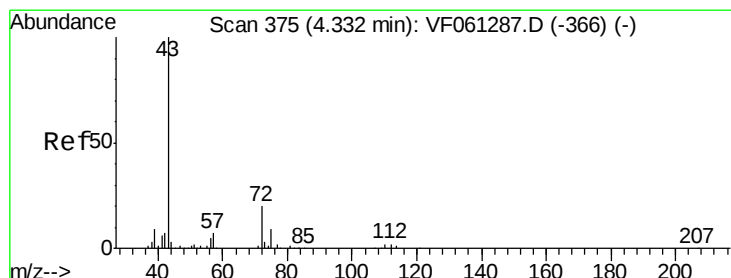
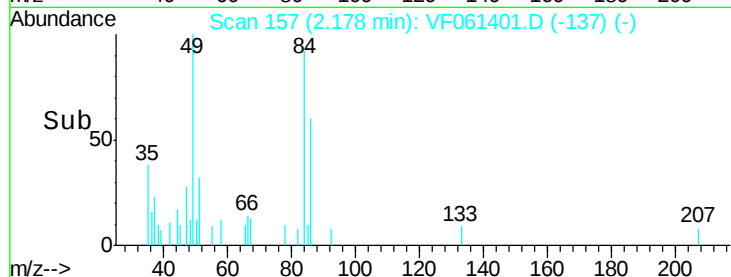
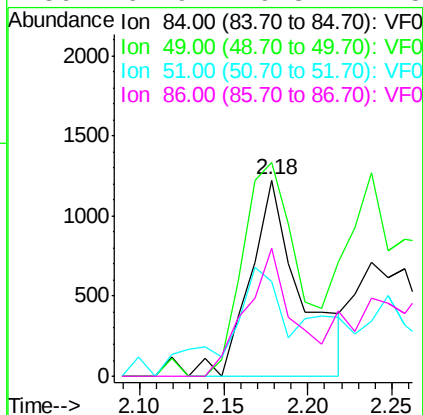
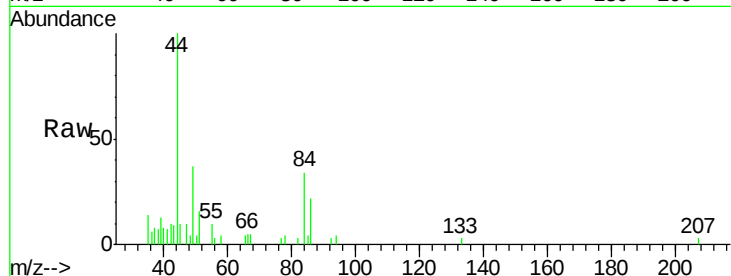




#20
Methvlene Chloride
Concen: 1.941 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061401.D
Acq: 14 Jan 2019 20:54

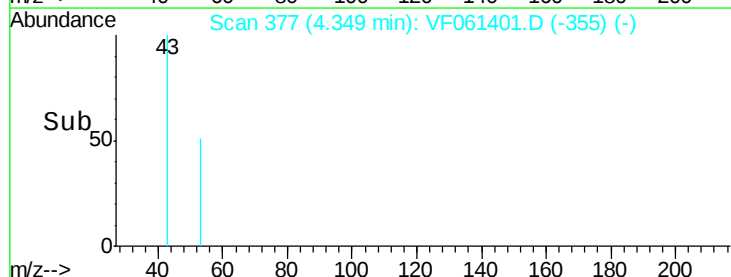
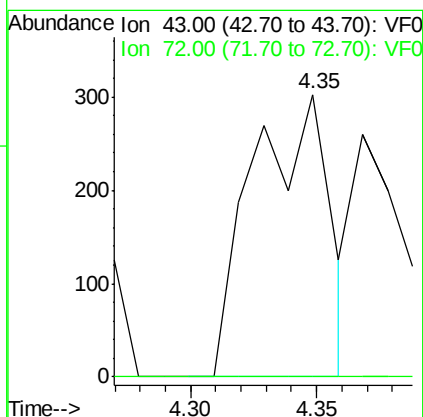
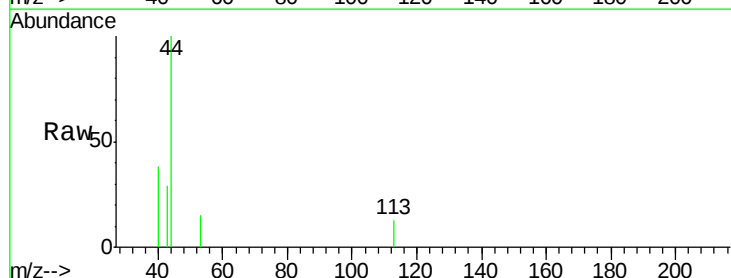
Instrument :
MSVOA_F
ClientSampleId :

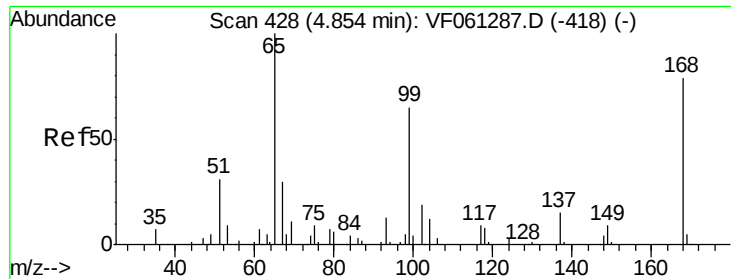
Tot Ion: 84 Resp: 2556
Ion Ratio Lower Upper
84 100
49 108.7 116.6 175.0#
51 48.3 37.7 56.5
86 64.9 49.8 74.8



#25
2-Butanone
Concen: 1.281 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF061401.D
Acq: 14 Jan 2019 20:54

Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#





#33

1,2-Dichloroethane-d4

Concen: 71.386 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

Instrument :

MSVOA_F

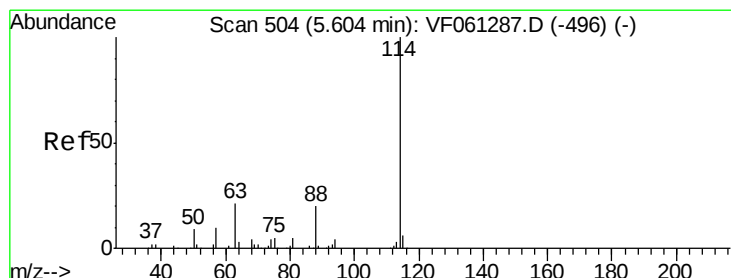
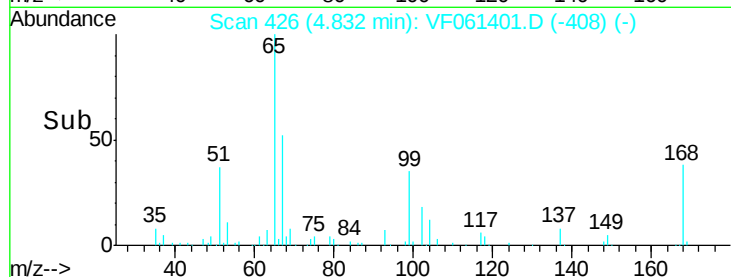
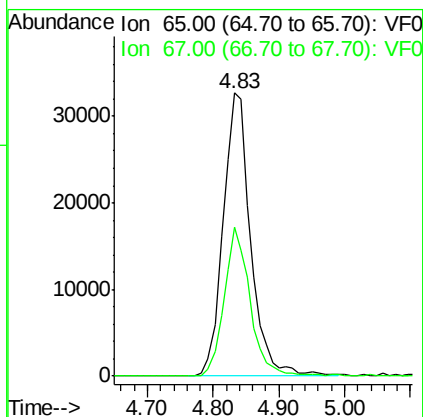
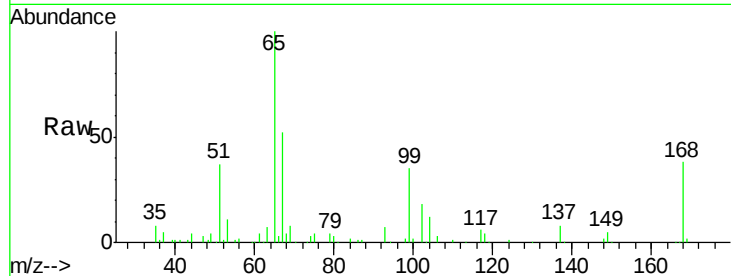
ClientSampleId :

Tot Ion: 65 Resp: 95542

Ion Ratio Lower Upper

65 100

67 52.4 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

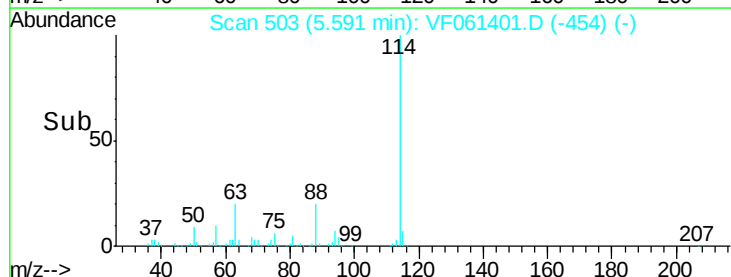
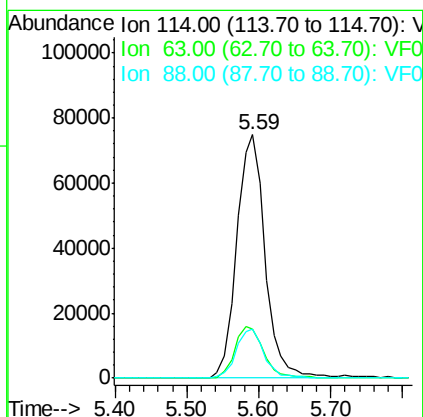
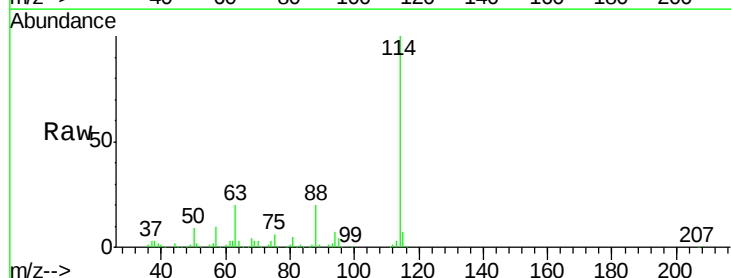
Tgt Ion: 114 Resp: 205562

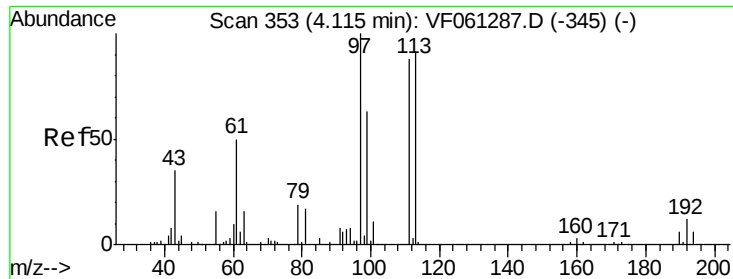
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

88 20.0 0.0 40.0

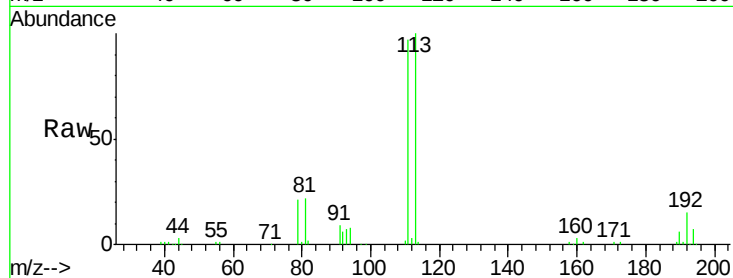




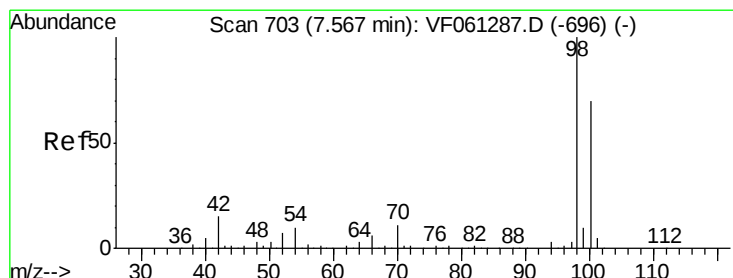
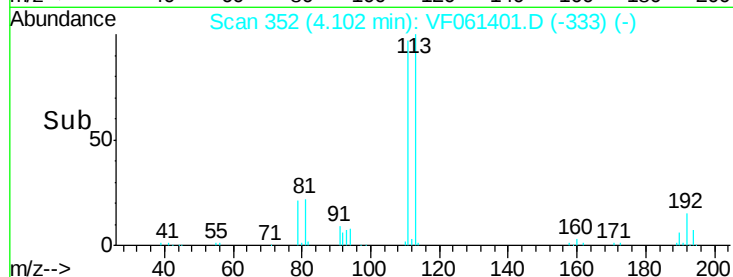
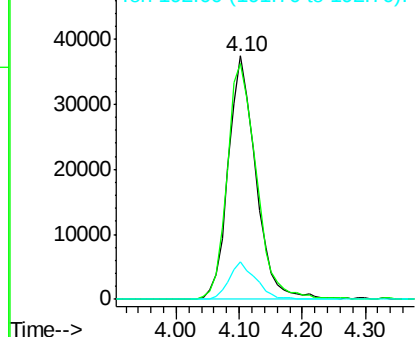
#35
Dibromofluoromethane
Concen: 72.043 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061401.D
Acq: 14 Jan 2019 20:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 113316
Ion Ratio Lower Upper
113 100
111 96.7 78.0 117.0
192 15.5 10.6 16.0

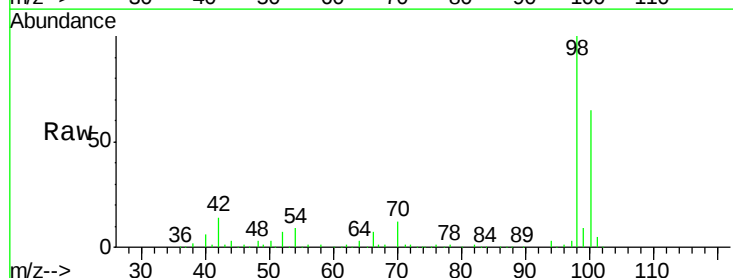


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

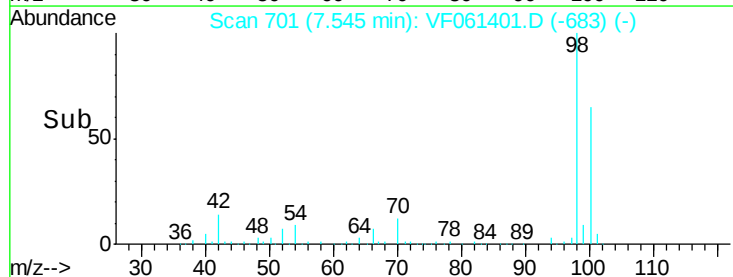
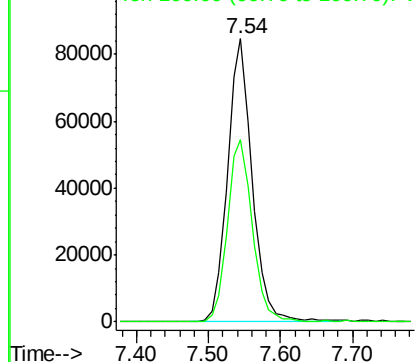


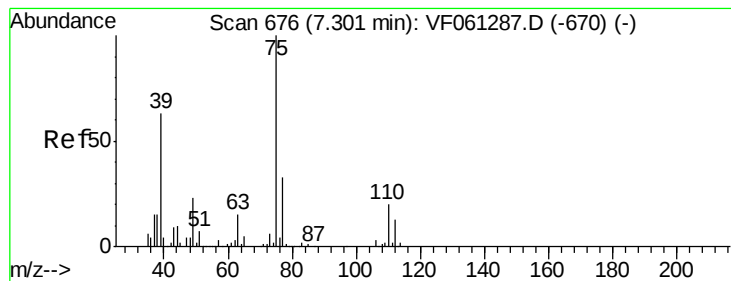
#50
Toluene-d8
Concen: 43.044 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061401.D
Acq: 14 Jan 2019 20:54

Tgt Ion: 98 Resp: 200351
Ion Ratio Lower Upper
98 100
100 64.5 55.6 83.4



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





#58

2-Chloroethyl Vinyl ether

Concen: 1.312 ug/l

RT: 7.35 min Scan# 681

Delta R.T. 0.05 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

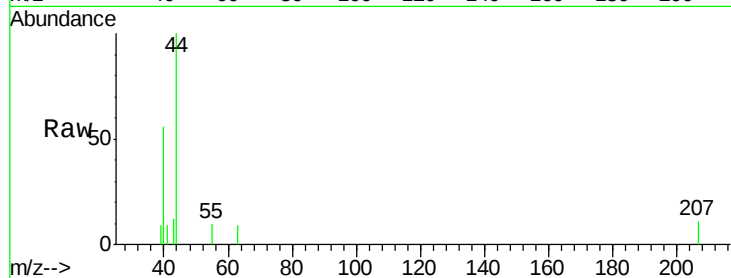
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0

7.35

100

80

60

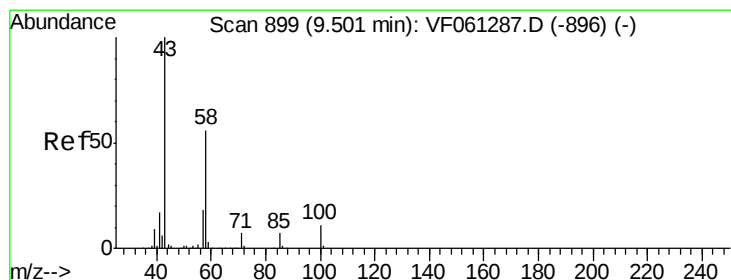
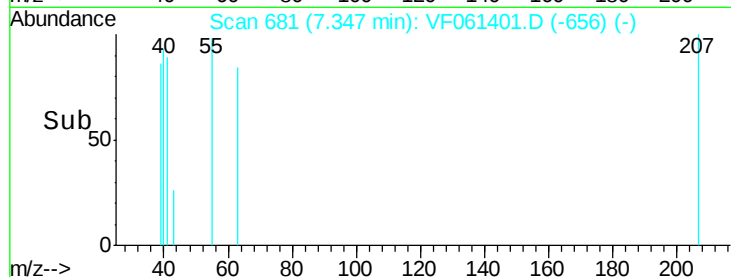
40

20

0

Time-->

7.32 7.34 7.36 7.38



#59

2-Hexanone

Concen: 1.377 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF061401.D

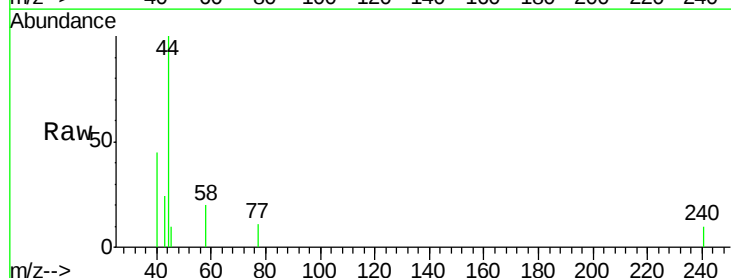
Acq: 14 Jan 2019 20:54

Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

58 85.6 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.50

250

200

150

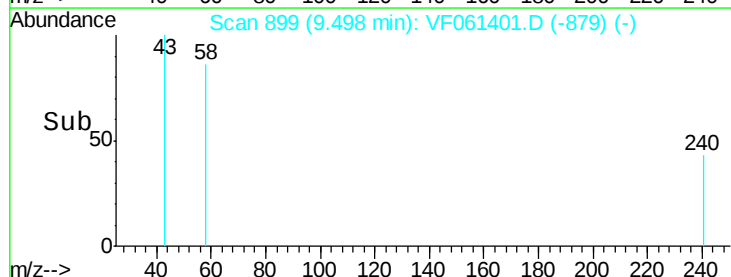
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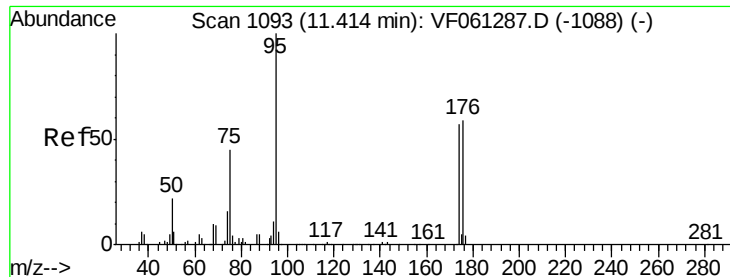
50

0

Time-->

9.40 9.45 9.50 9.55





#62

4-Bromofluorobenzene

Concen: 20.651 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

Instrument :

MSVOA_F

ClientSampleId :

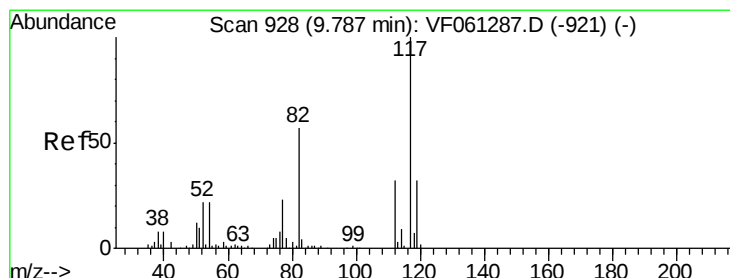
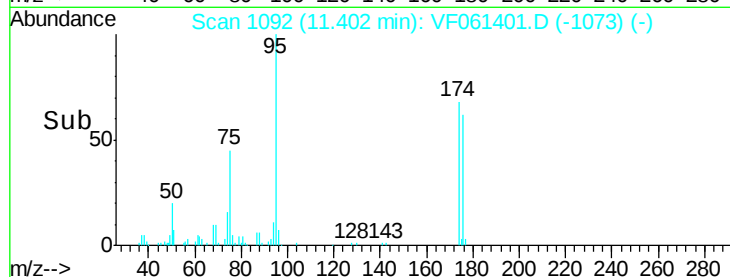
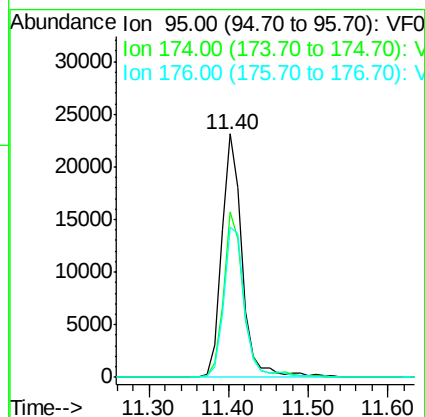
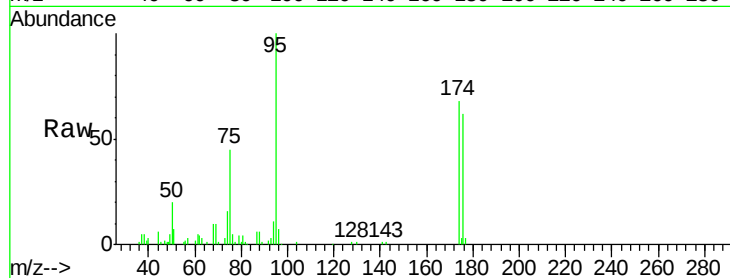
Tot Ion: 95 Resp: 41972

Ion Ratio Lower Upper

95 100

174 67.7 0.0 114.2

176 61.6 0.0 117.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061401.D

Acq: 14 Jan 2019 20:54

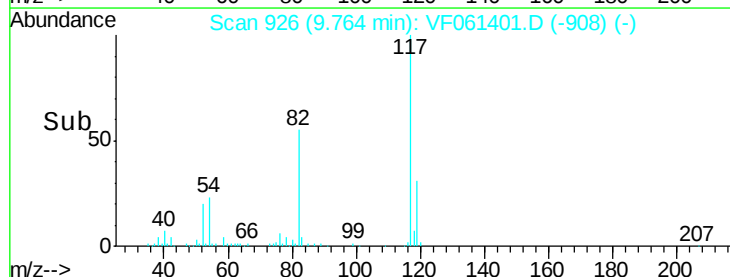
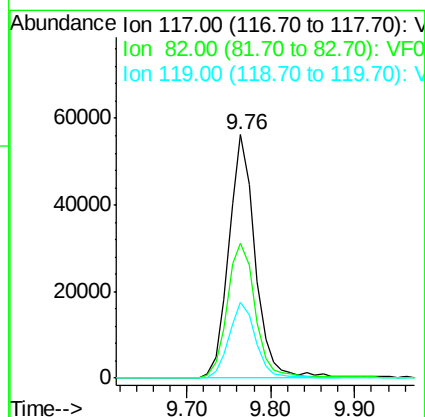
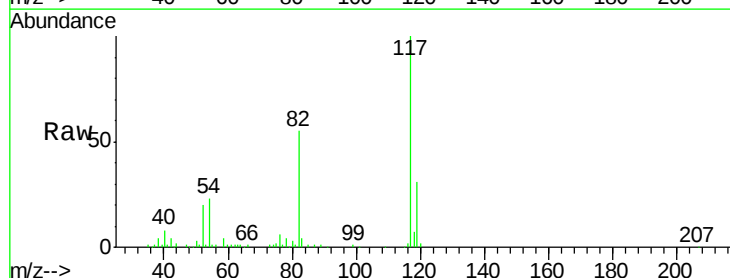
Tgt Ion: 117 Resp: 122852

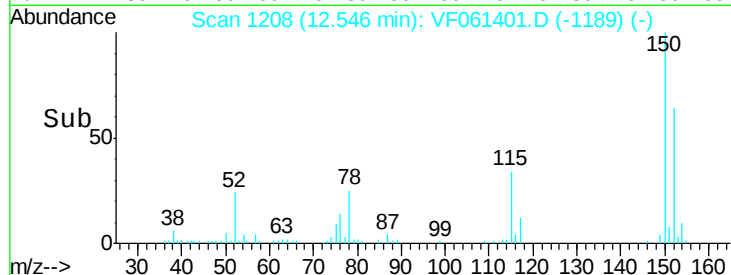
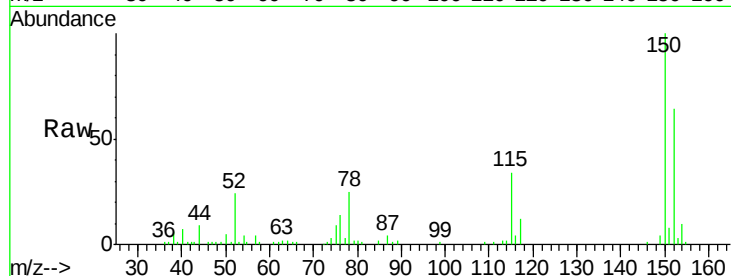
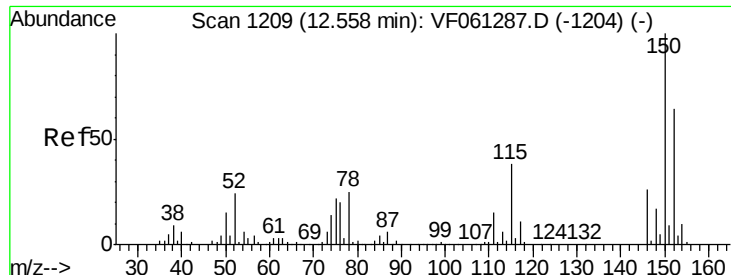
Ion Ratio Lower Upper

117 100

82 55.5 45.3 67.9

119 31.3 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061401.D
 Acq: 14 Jan 2019 20:54

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.1	29.6	88.9
150	156.3	0.0	315.4

