

Data File : VF061316.D
Acq On : 10 Jan 2019 00:19
Operator : VA/AP
Sample : VF0109SBL02
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL02

Quant Time: Jan 10 06:01:41 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	4.89	168	208375	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	367549	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	348451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	185891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	127697	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
35) Dibromofluoromethane	4.13	113	151631	53.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.84%	
50) Toluene-d8	7.57	98	386533	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.42	95	187854	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	

Target Compounds

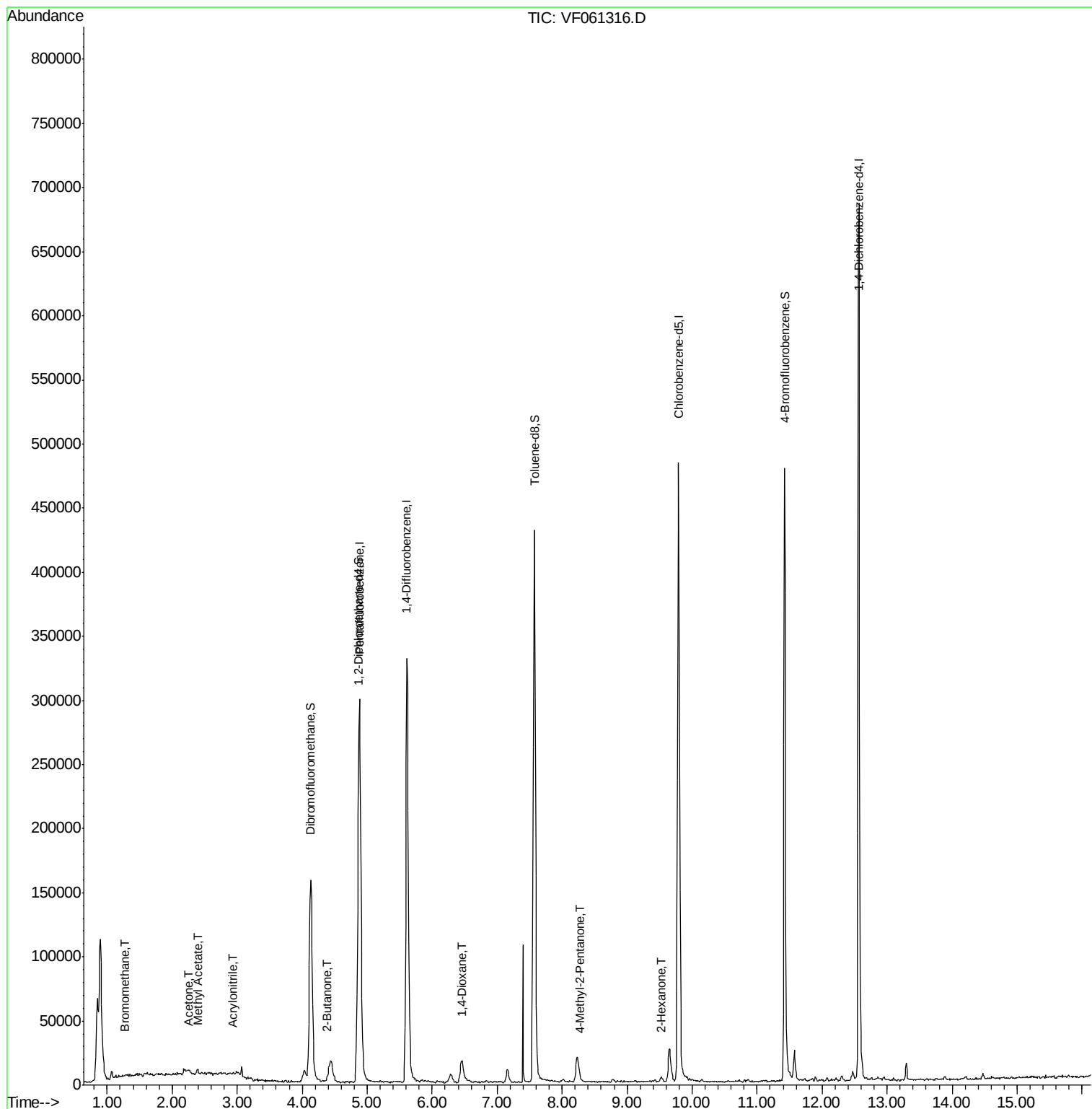
					Qvalue	
5) Bromomethane	1.26	94	447	3.072 ug/l	#	6
13) Acrolein	2.01	56	681	Below Cal		97
15) Acrylonitrile	2.94	53	856	2.600 ug/l	#	55
16) Acetone	2.27	43	2618	4.852 ug/l	#	89
18) Methyl Acetate	2.39	43	4989	4.700 ug/l	#	65
25) 2-Butanone	4.38	43	1675	1.929 ug/l	#	56
49) 1,4-Dioxane	6.45	88	62	7.336 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.28	43	2116	1.359 ug/l	#	79
59) 2-Hexanone	9.52	43	2628	2.382 ug/l		75

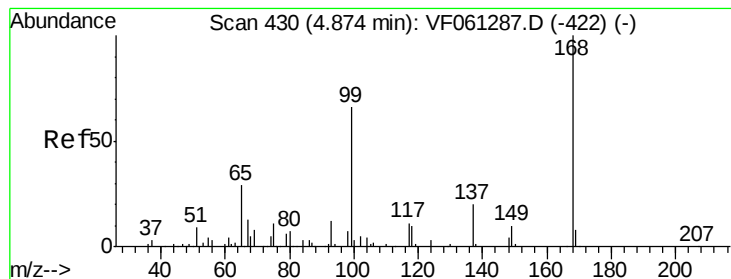
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 00:40:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

Instrument :

MSVOA_F

ClientSampleId :

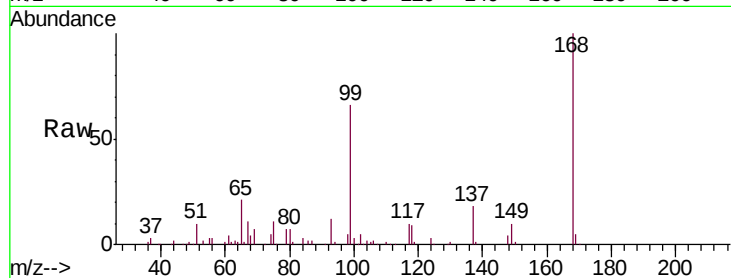
VF0109SBL02

Tgt Ion: 168 Resp: 208375

Ion Ratio Lower Upper

168 100

99 66.4 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

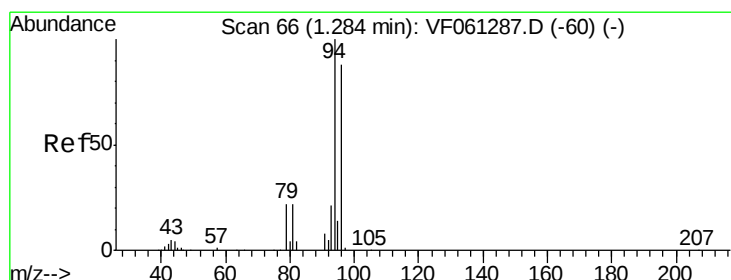
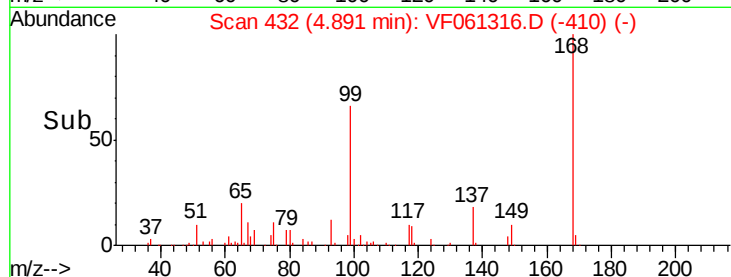
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#5

Bromomethane

Concen: 3.072 ug/l

RT: 1.26 min Scan# 64

Delta R.T. -0.02 min

Lab File: VF061316.D

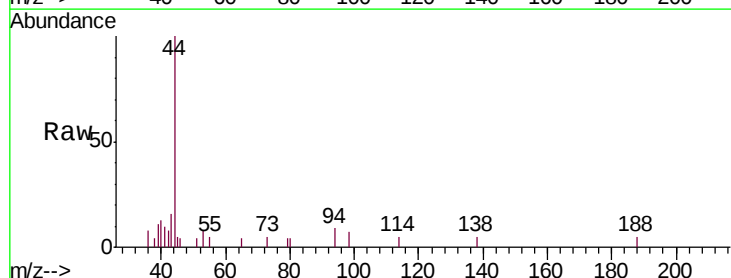
Acq: 10 Jan 2019 00:19

Tgt Ion: 94 Resp: 447

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

1.26

300

250

200

150

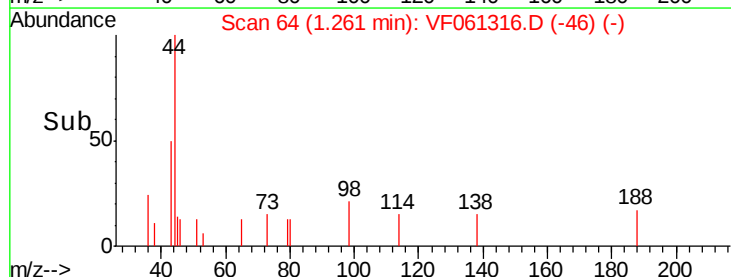
100

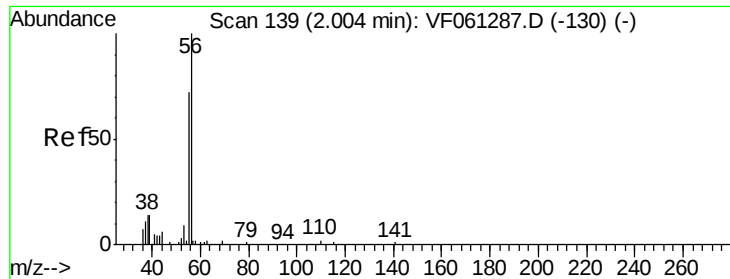
50

0

Time-->

1.24 1.26 1.28





#13

Acrolein

Concen: Below Cal

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

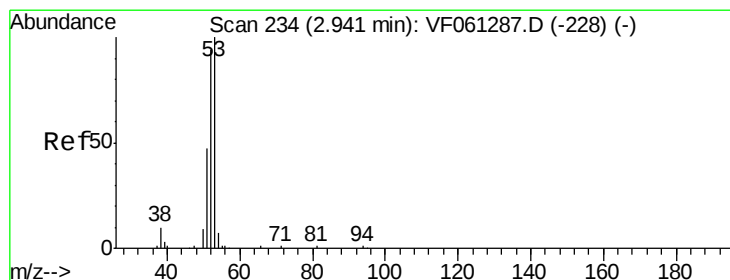
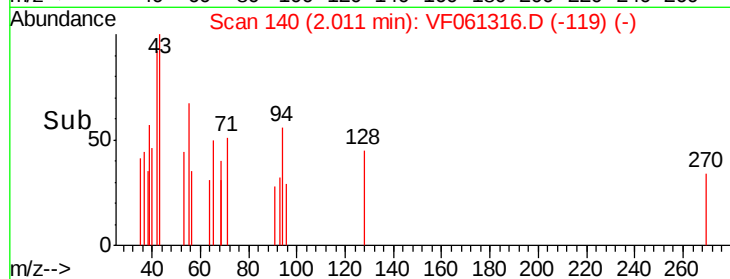
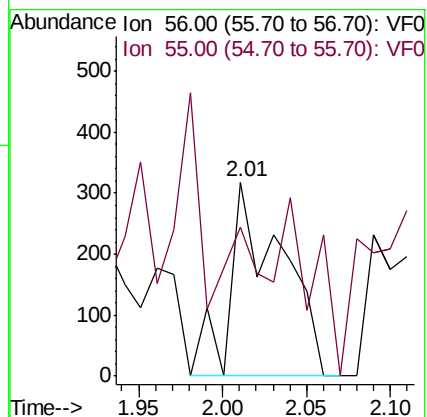
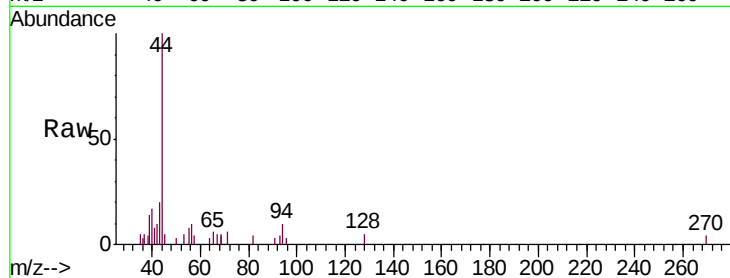
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL02

Tgt Ion: 56 Resp: 681

Ion Ratio Lower Upper

56 100

55 77.0 59.4 89.0



#15

Acrylonitrile

Concen: 2.600 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

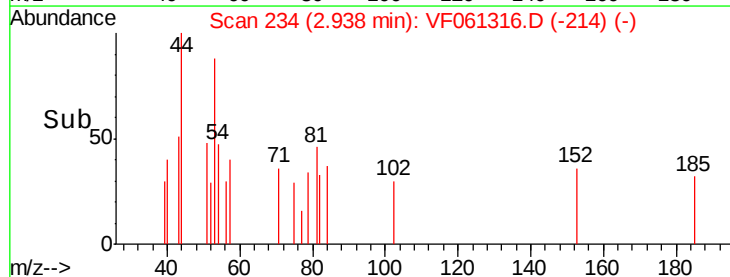
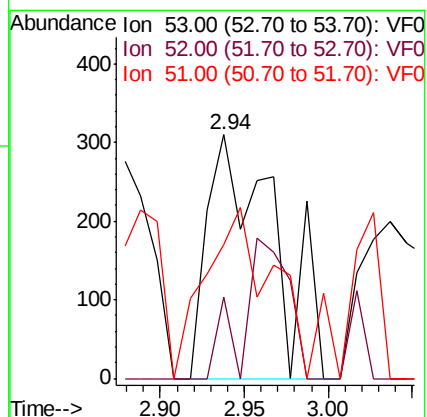
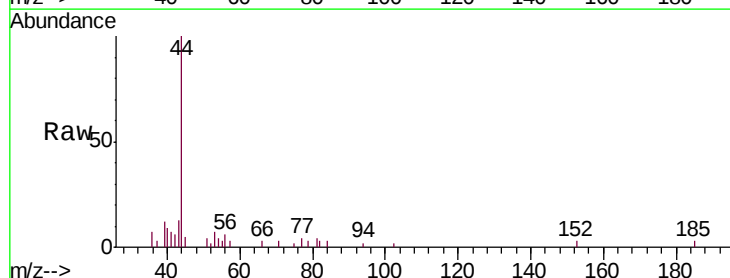
Tgt Ion: 53 Resp: 856

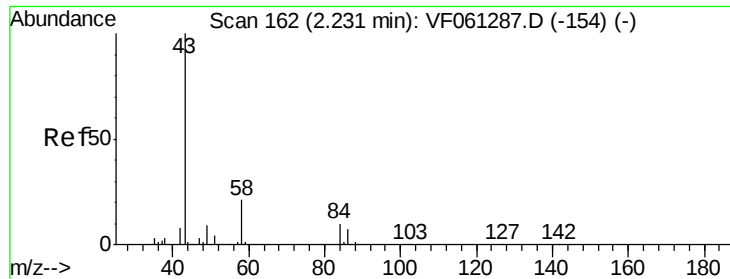
Ion Ratio Lower Upper

53 100

52 33.2 74.6 111.8#

51 54.8 37.8 56.6





#16

Acetone

Concen: 4.852 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.04 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

Instrument :

MSVOA_F

ClientSampleId :

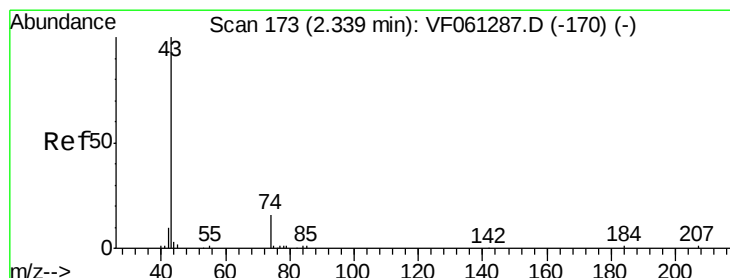
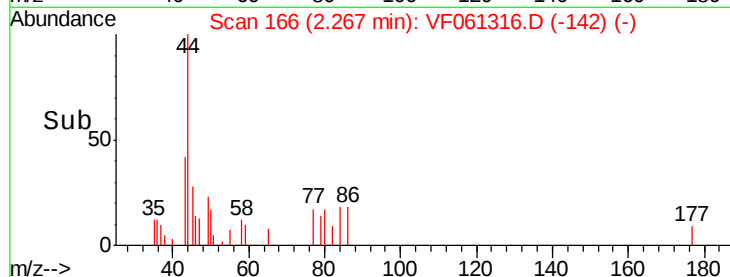
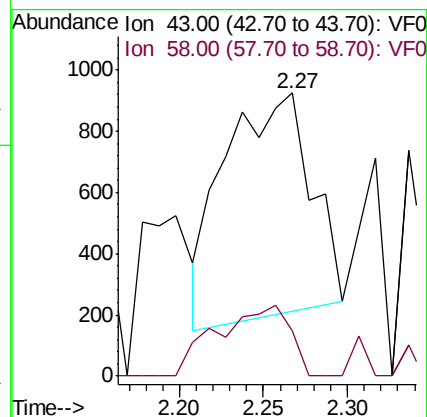
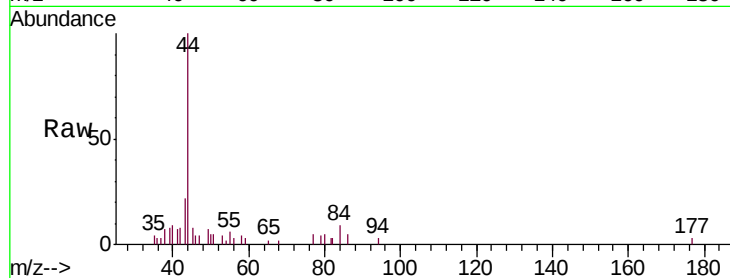
VF0109SBL02

Tgt Ion: 43 Resp: 2618

Ion Ratio Lower Upper

43 100

58 15.9 16.6 25.0#



#18

Methyl Acetate

Concen: 4.700 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.05 min

Lab File: VF061316.D

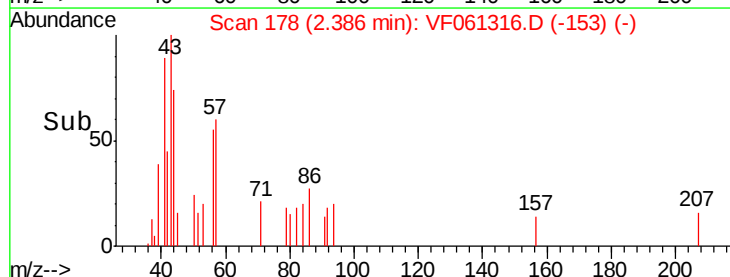
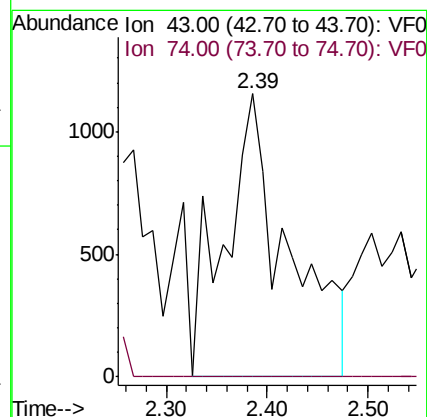
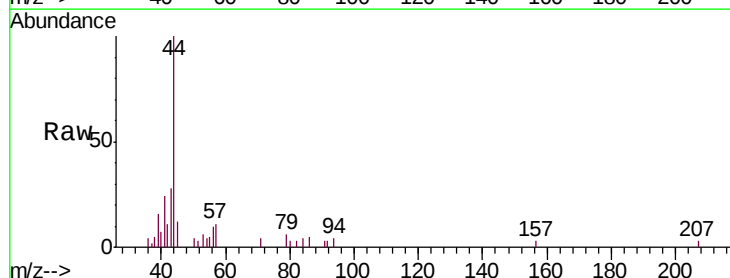
Acq: 10 Jan 2019 00:19

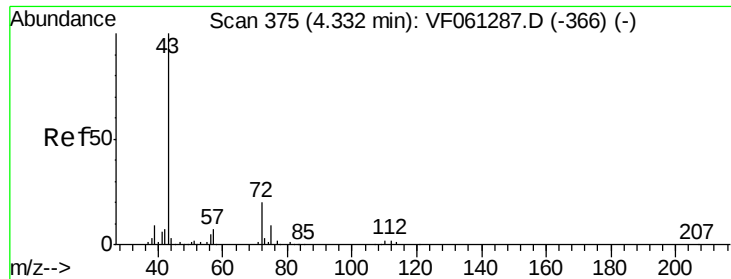
Tgt Ion: 43 Resp: 4989

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

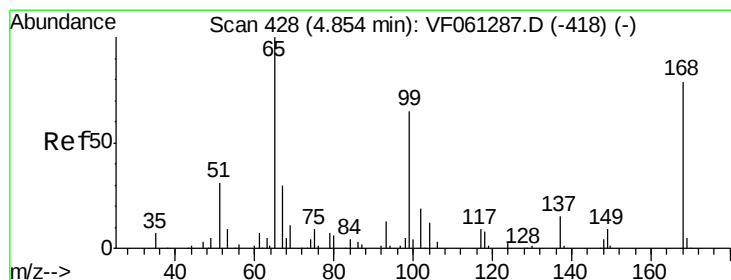
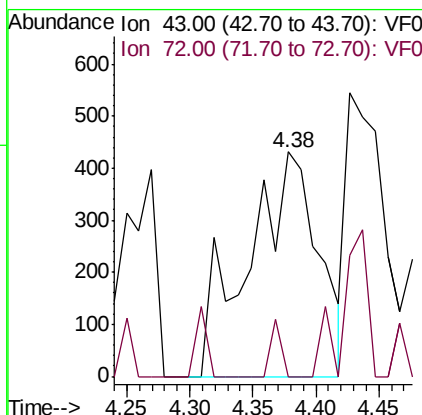
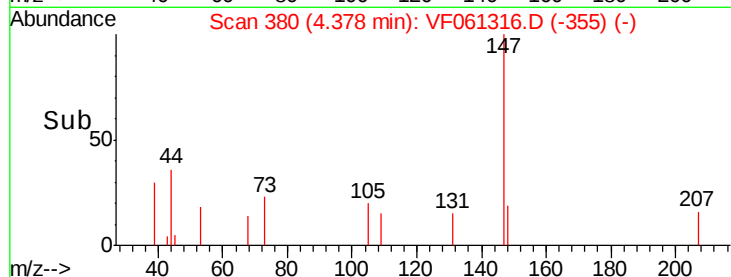
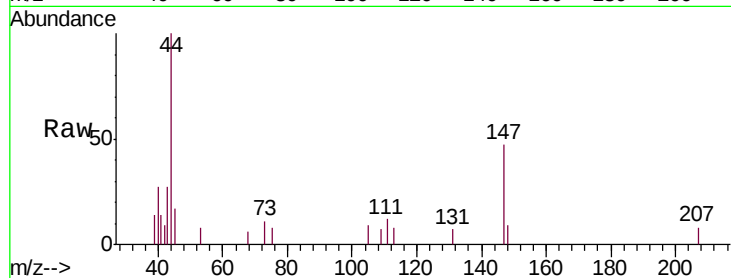




#25
2-Butanone
Concen: 1.929 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.05 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

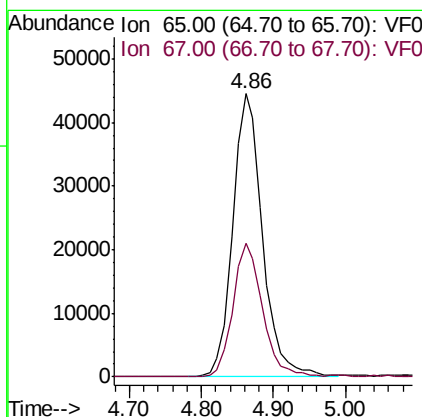
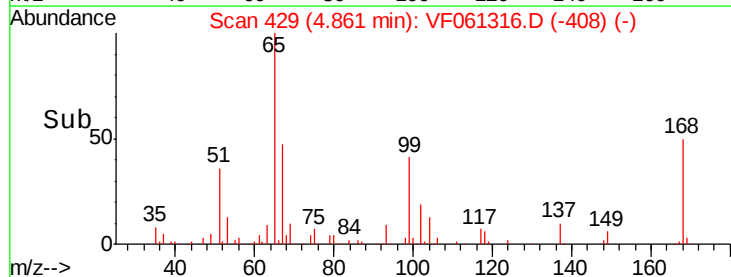
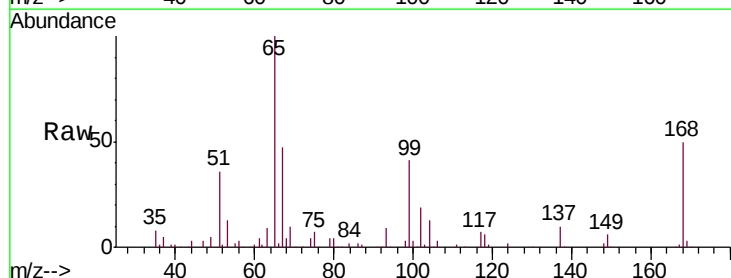
Instrument :
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VF0109SBL02

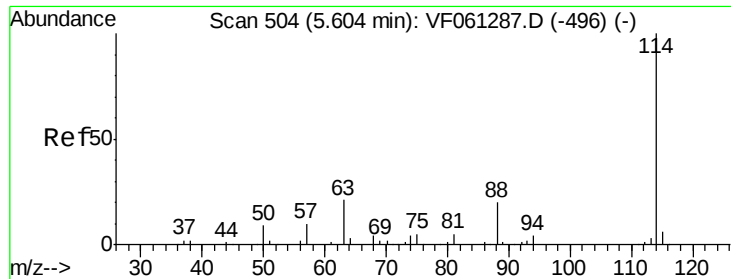
Tgt Ion: 43 Resp: 1675
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#33
1,2-Dichloroethane-d4
Concen: 55.058 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

Tgt Ion: 65 Resp: 127697
Ion Ratio Lower Upper
65 100
67 47.3 0.0 98.2

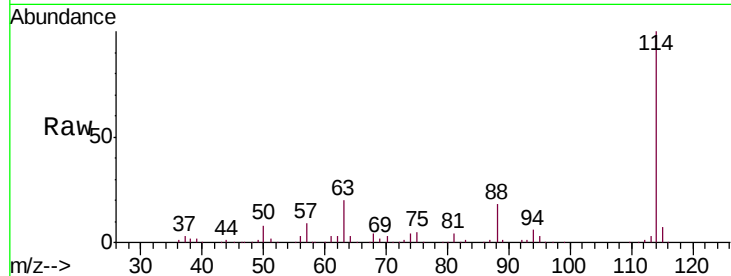




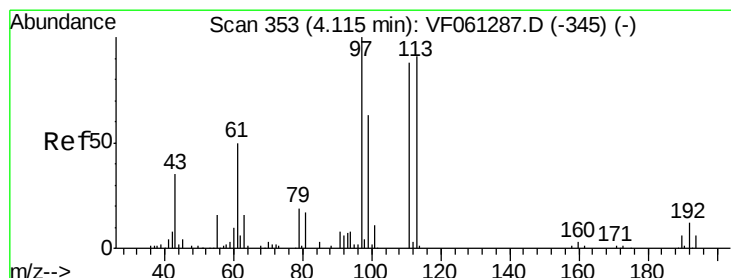
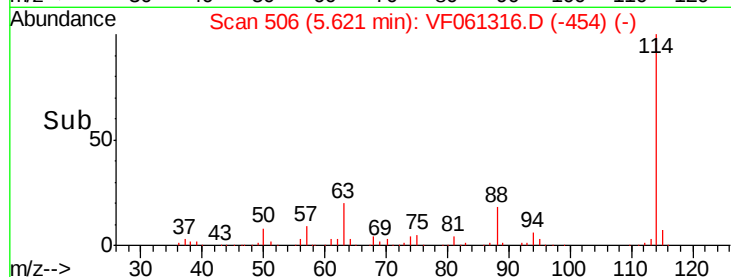
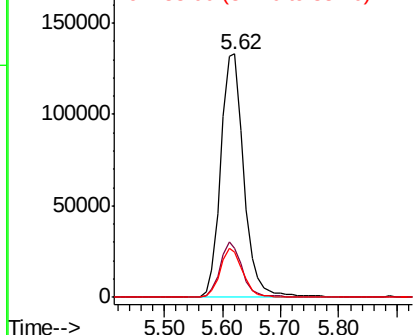
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.02 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL02

Tgt Ion:114 Resp: 367549
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.8
88 18.3 0.0 40.0

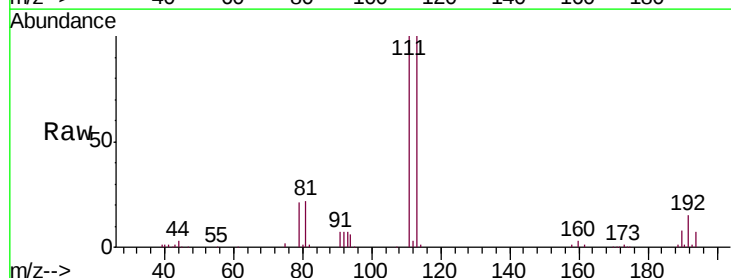


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

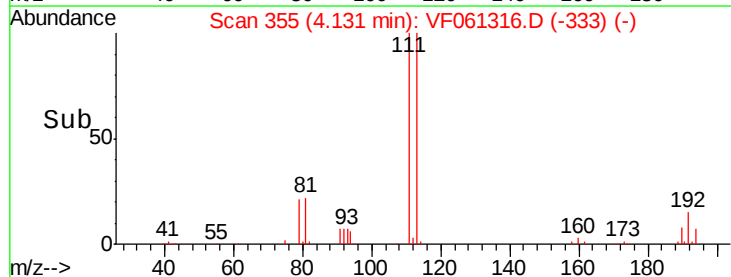
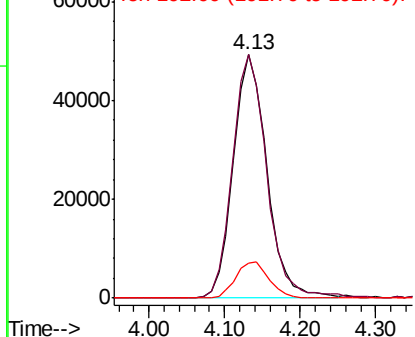


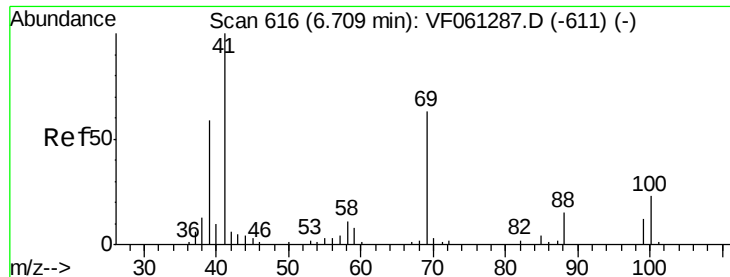
#35
Dibromofluoromethane
Concen: 53.916 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

Tgt Ion:113 Resp: 151631
Ion Ratio Lower Upper
113 100
111 100.2 78.0 117.0
192 15.4 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

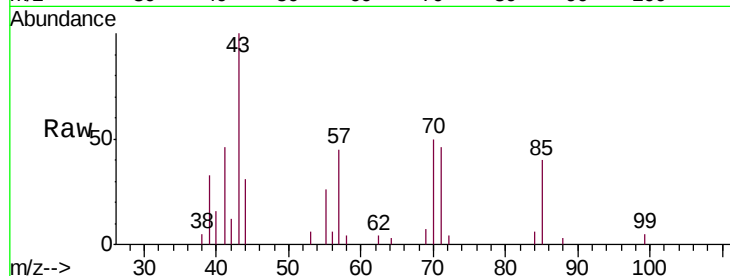




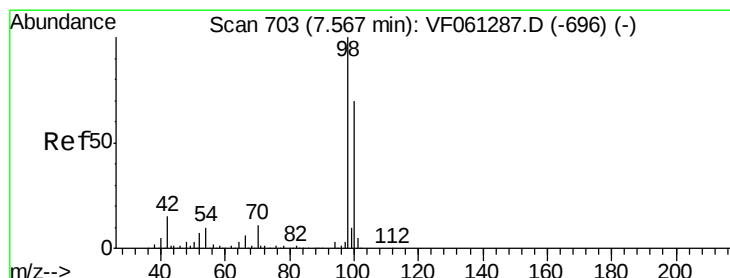
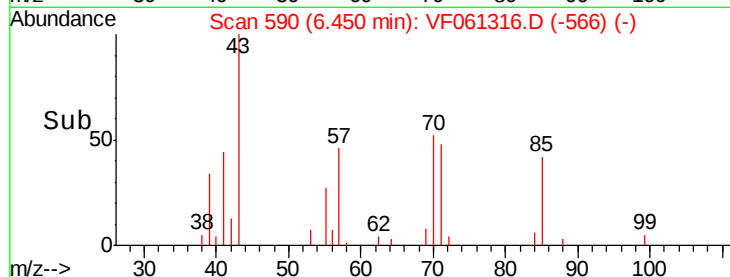
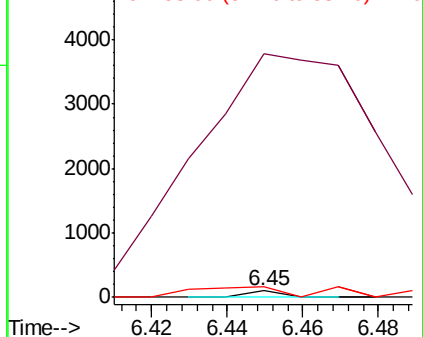
#49
1,4-Dioxane
Concen: 7.336 ug/l
RT: 6.45 min Scan# 590
Delta R.T. -0.26 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

Instrument :
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VF0109SBL02

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 3637.5 38.5 57.7#
58 158.7 57.0 85.4#

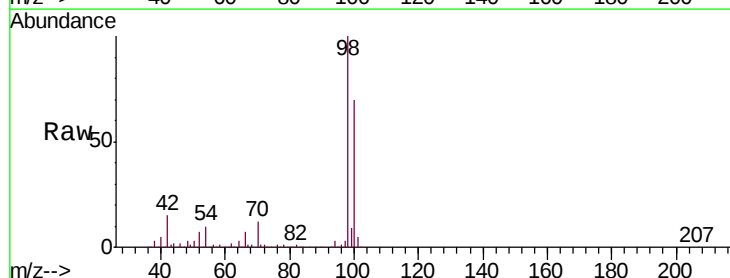


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

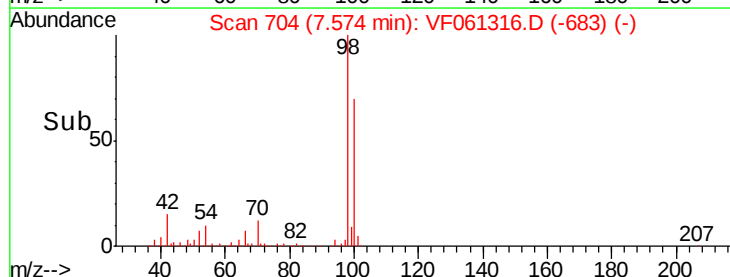
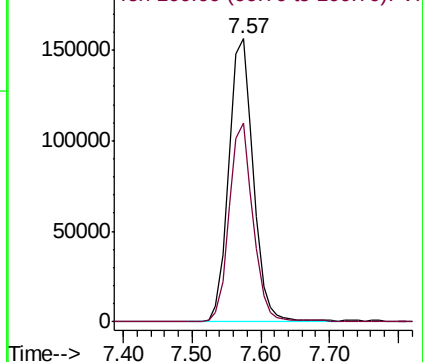


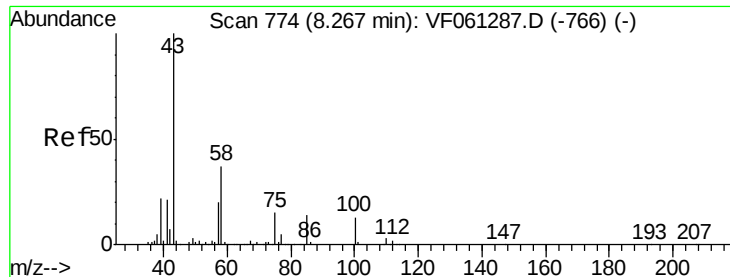
#50
Toluene-d8
Concen: 46.445 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061316.D
Acq: 10 Jan 2019 00:19

Tgt Ion: 98 Resp: 386533
Ion Ratio Lower Upper
98 100
100 70.1 55.6 83.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.359 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

Instrument :

MSVOA_F

ClientSampleId :

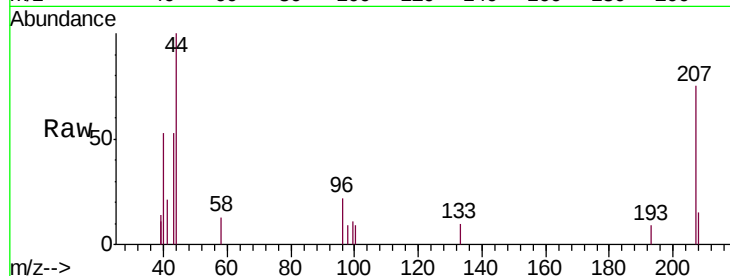
VF0109SBL02

Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

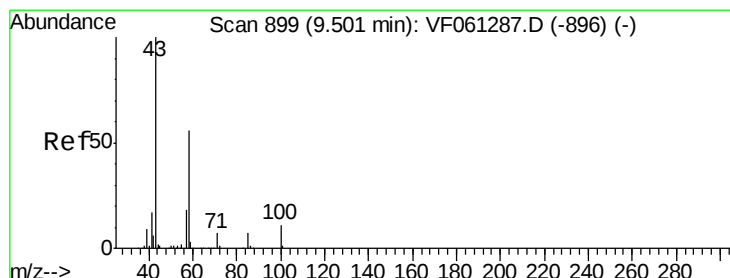
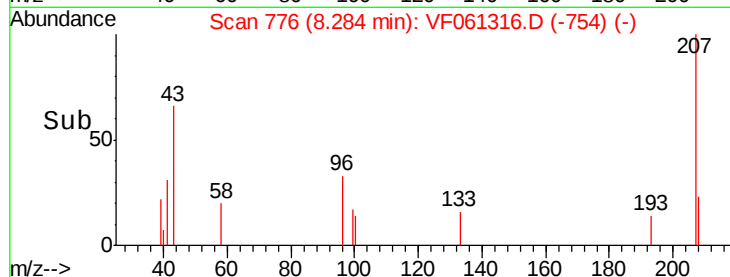
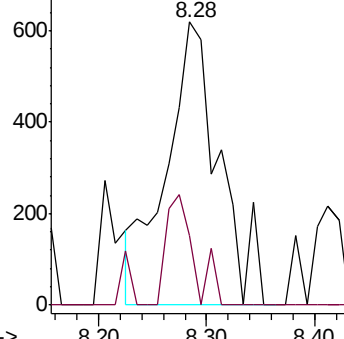
43 100

58 24.4 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 2.382 ug/l

RT: 9.52 min Scan# 901

Delta R.T. 0.02 min

Lab File: VF061316.D

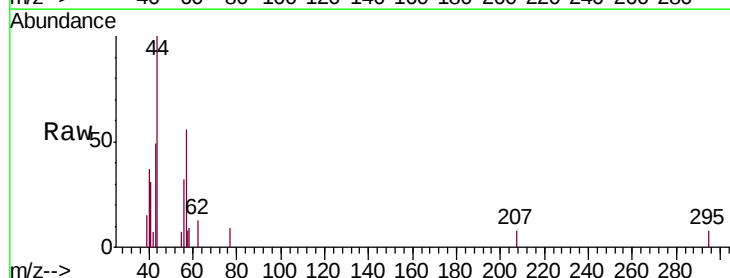
Acq: 10 Jan 2019 00:19

Tgt Ion: 43 Resp: 2628

Ion Ratio Lower Upper

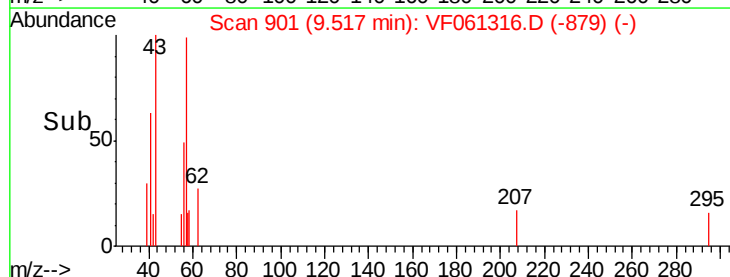
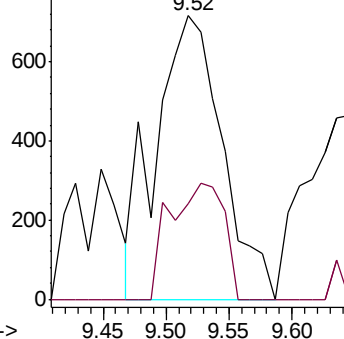
43 100

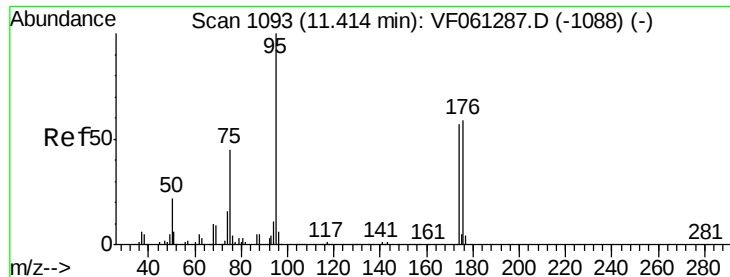
58 33.7 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 51.692 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

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VF0109SBL02

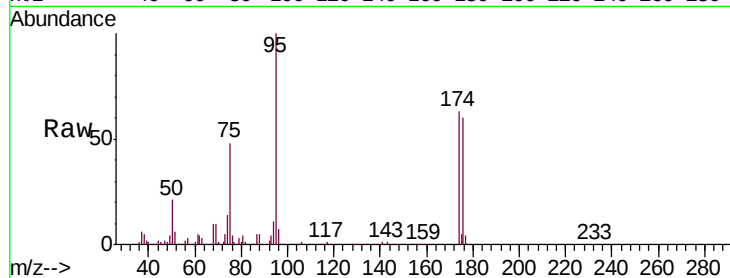
Tgt Ion: 95 Resp: 187854

Ion Ratio Lower Upper

95 100

174 62.7 0.0 114.2

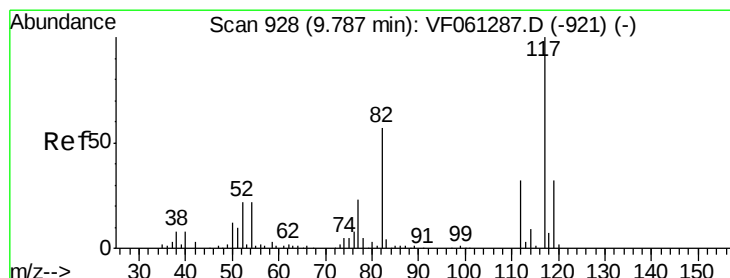
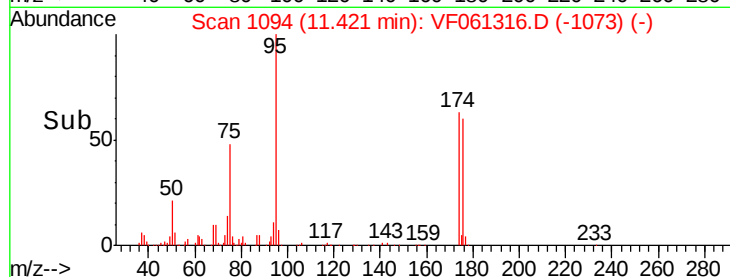
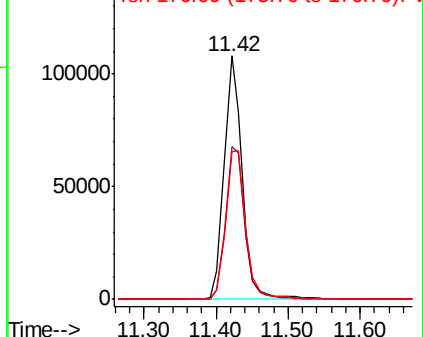
176 60.4 0.0 117.8



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. 0.01 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

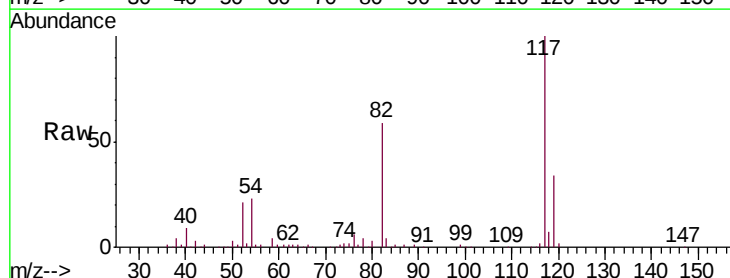
Tgt Ion: 117 Resp: 348451

Ion Ratio Lower Upper

117 100

82 59.2 45.3 67.9

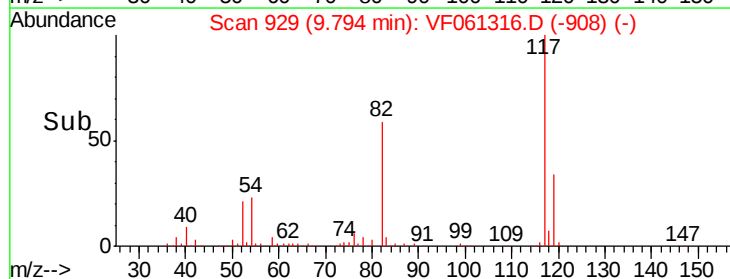
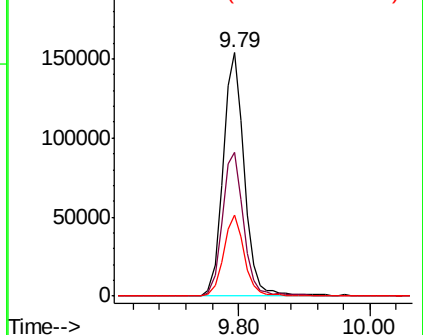
119 33.5 25.4 38.0

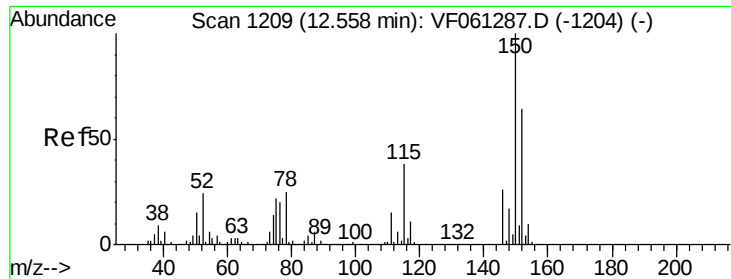


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.57 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061316.D

Acq: 10 Jan 2019 00:19

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBL02

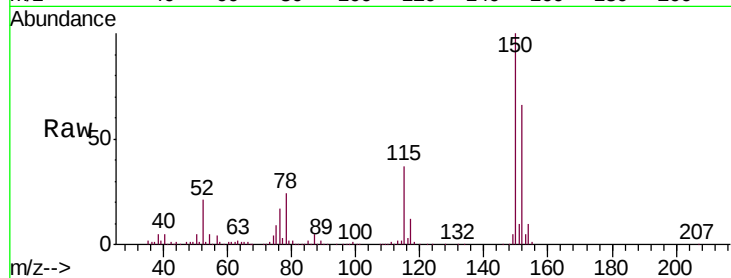
Tgt Ion:152 Resp: 185891

Ion Ratio Lower Upper

152 100

115 56.7 29.6 88.9

150 152.3 0.0 315.4



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

