

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061362.D
 Acq On : 11 Jan 2019 12:15
 Operator : VA/AP
 Sample : VF0111SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0111SBL01

Quant Time: Jan 12 03:30:38 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	4.85	168	201044	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	366186	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	324116	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	180384	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	114201	51.03	ug/l	-0.04
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	4.09	113	138460	49.42	ug/l	-0.03
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	7.53	98	355056	42.82	ug/l	-0.04
Spiked Amount			Recovery	=	85.64%	
62) 4-Bromofluorobenzene	11.40	95	177390	48.99	ug/l	-0.02
Spiked Amount			Recovery	=	97.98%	

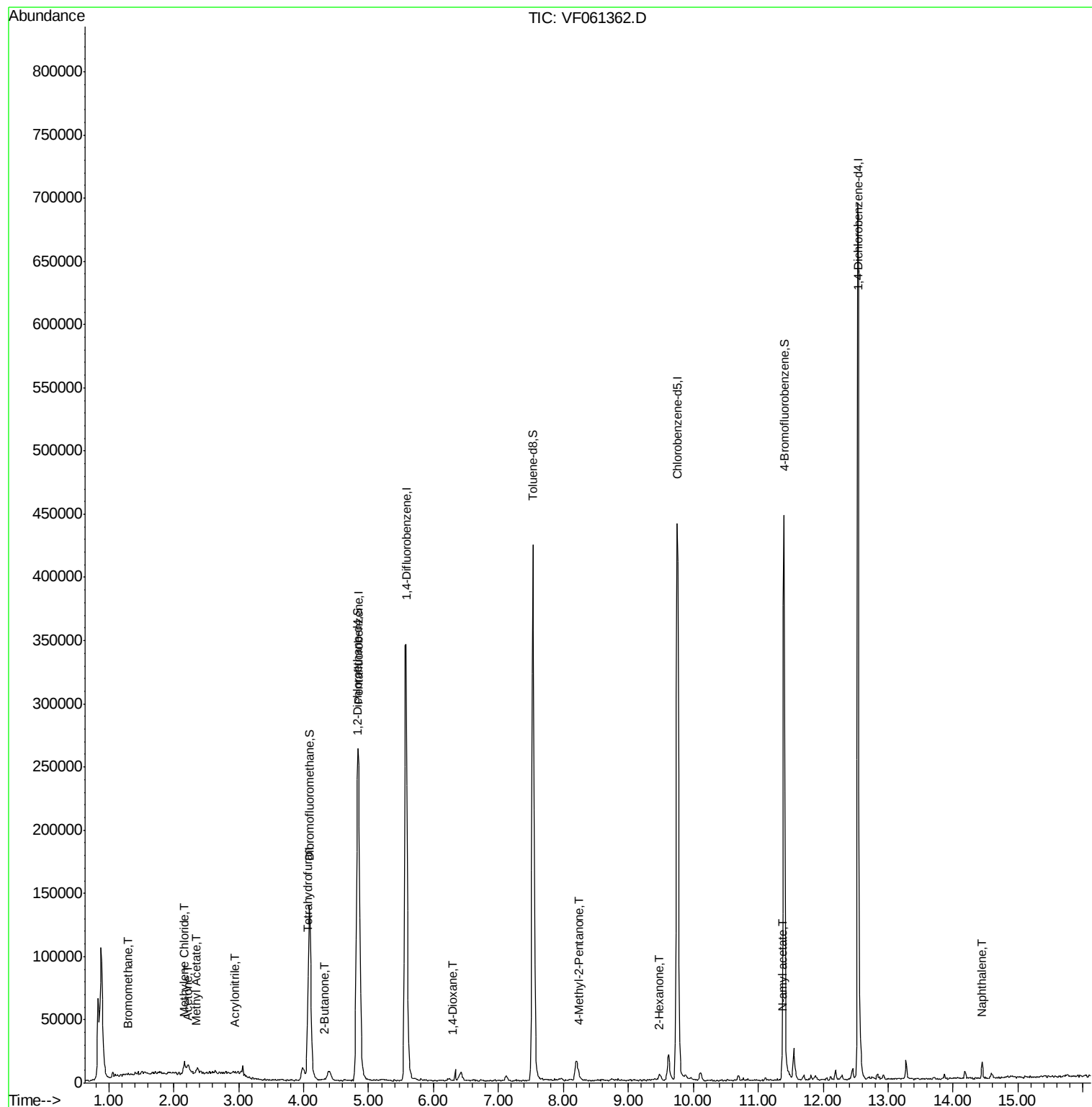
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.29	94	404	3.062	ug/l #	6
13) Acrolein	2.08	56	187	Below Cal		91
15) Acrylonitrile	2.94	53	471	1.483	ug/l #	58
16) Acetone	2.22	43	2317	4.451	ug/l #	73
18) Methyl Acetate	2.34	43	1851	1.807	ug/l #	65
20) Methylene Chloride	2.17	84	4026	1.828	ug/l	96
25) 2-Butanone	4.33	43	1154	1.377	ug/l #	26
29) Tetrahydrofuran	4.06	42	734	2.095	ug/l #	44
49) 1,4-Dioxane	6.31	88	59	7.007	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	3137	2.022	ug/l #	84
59) 2-Hexanone	9.48	43	4806	4.372	ug/l	90
74) N-amyl acetate	11.36	43	4060	1.125	ug/l	94
95) Naphthalene	14.45	128	7686	1.007	ug/l #	91

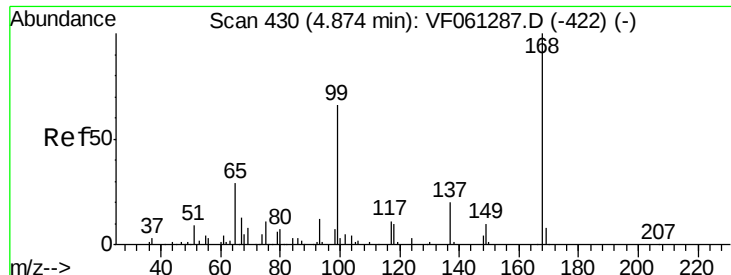
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

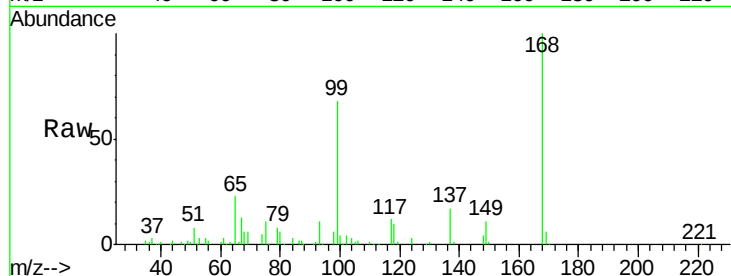
VF0111SBL01

Tot Ion:168 Resp: 201044

Ion Ratio Lower Upper

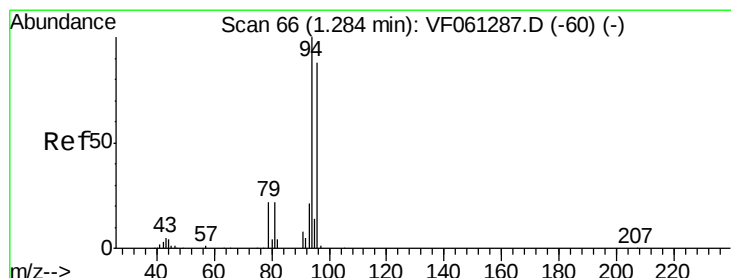
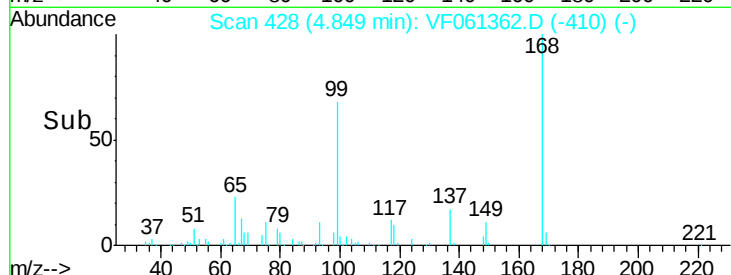
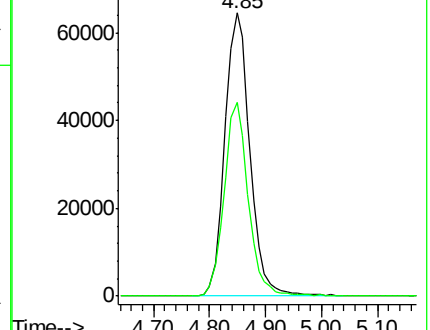
168 100

99 68.4 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.062 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF061362.D

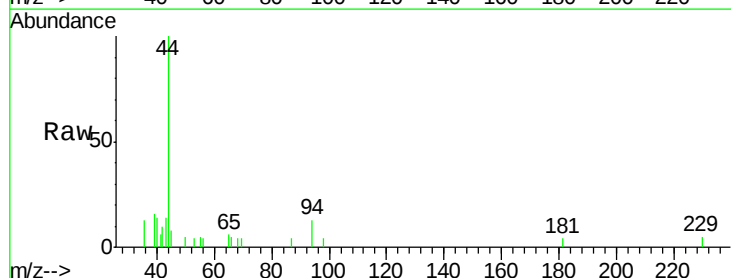
Acq: 11 Jan 2019 12:15

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

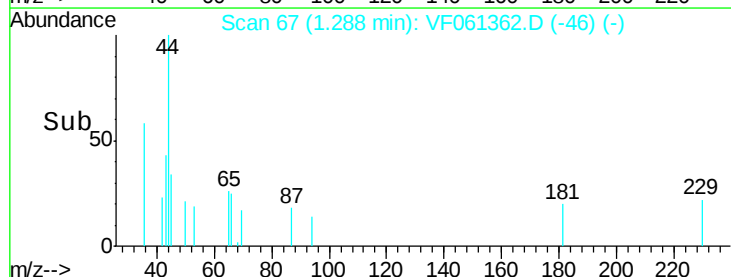
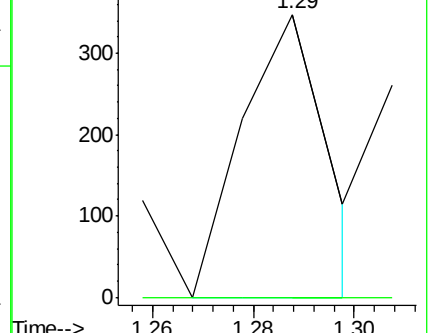
94 100

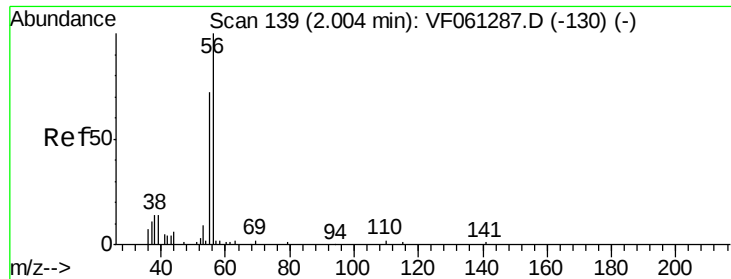
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 147

Delta R.T. 0.07 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

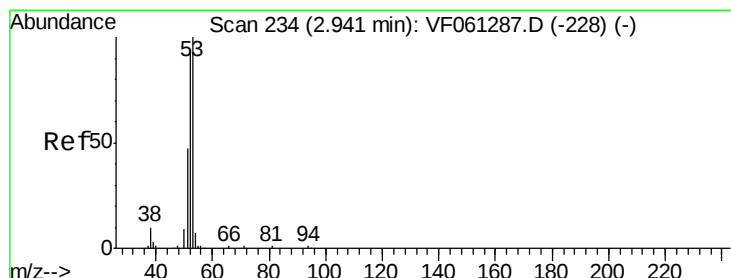
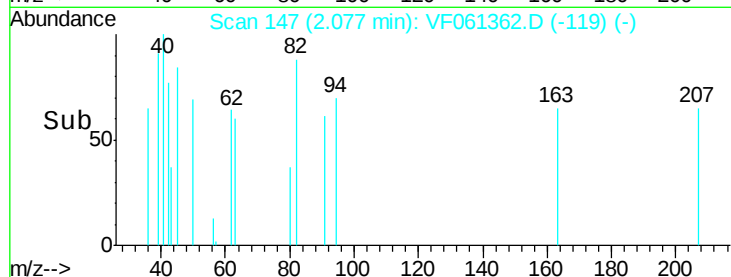
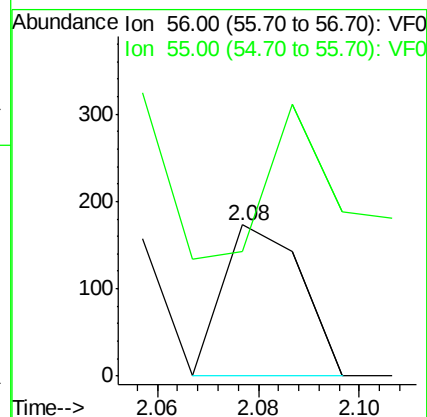
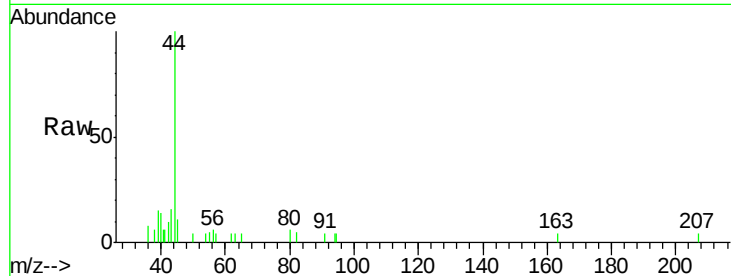
VF0111SBL01

Tot Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 82.1 59.4 89.0



#15

Acrylonitrile

Concen: 1.483 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

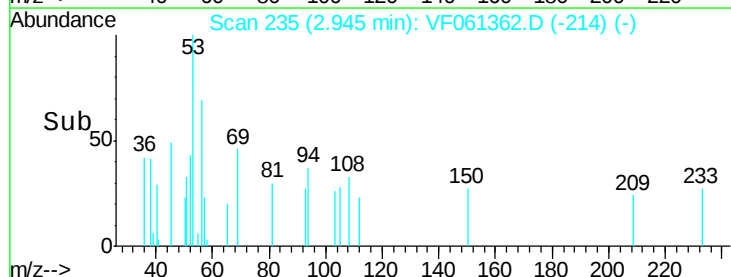
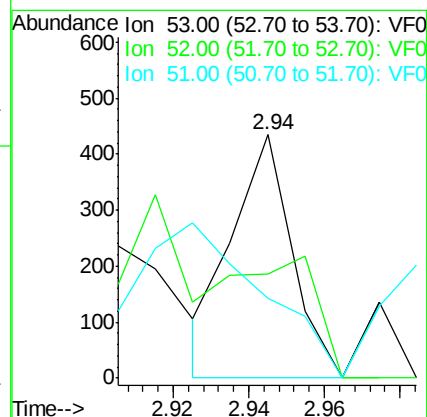
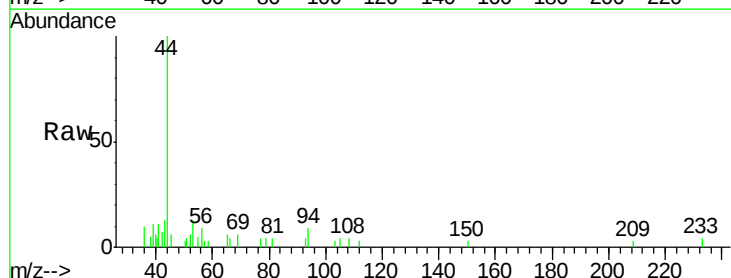
Tgt Ion: 53 Resp: 471

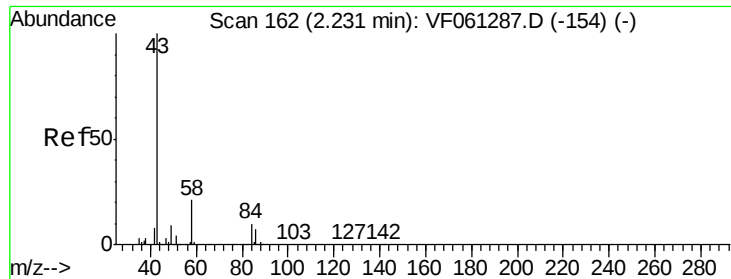
Ion Ratio Lower Upper

53 100

52 43.0 74.6 111.8#

51 32.6 37.8 56.6#





#16

Acetone

Concen: 4.451 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

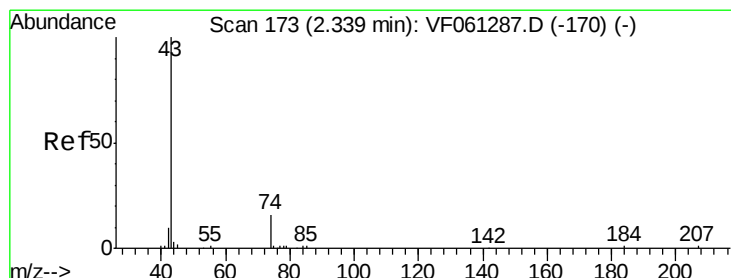
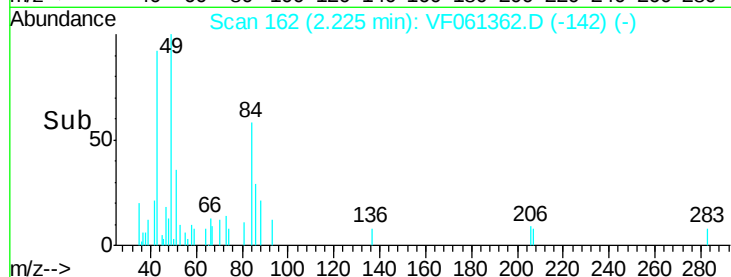
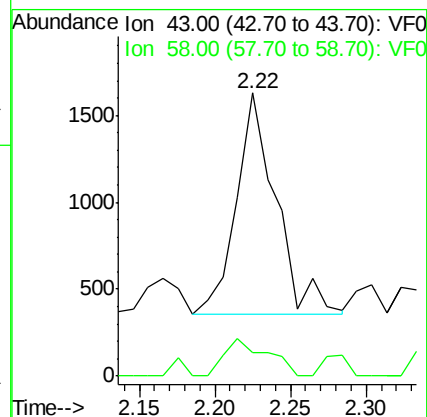
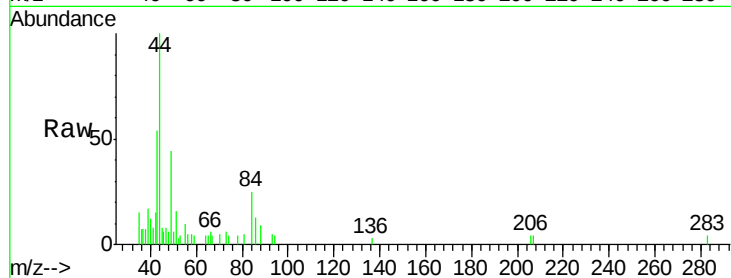
VF0111SBL01

Tot Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

58 8.4 16.6 25.0#



#18

Methyl Acetate

Concen: 1.807 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061362.D

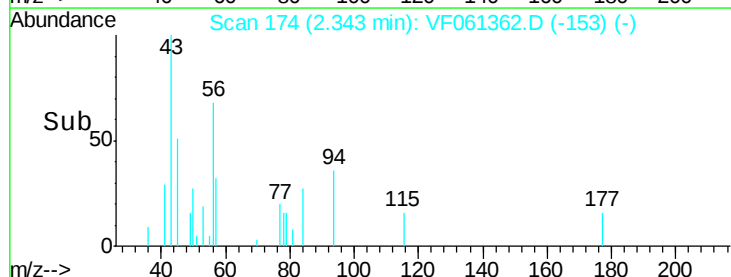
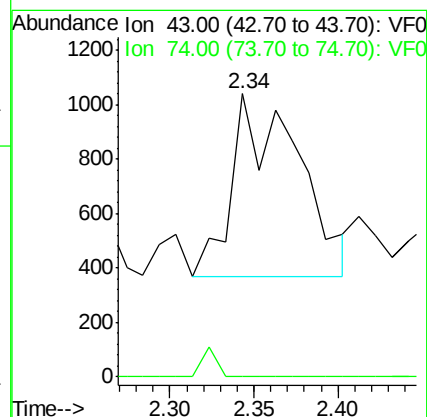
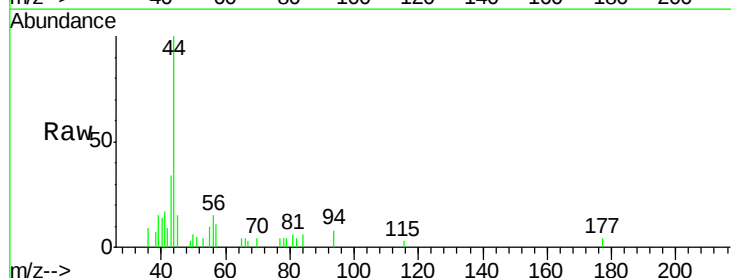
Acq: 11 Jan 2019 12:15

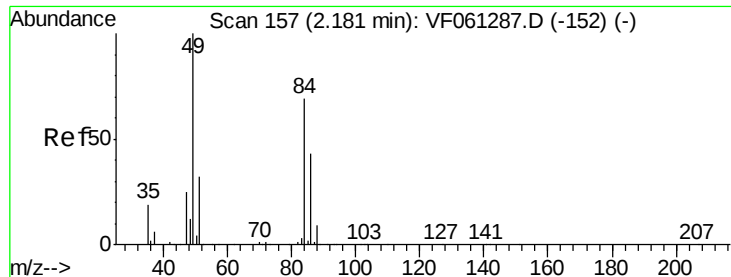
Tgt Ion: 43 Resp: 1851

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#





#20

Methvlene Chloride

Concen: 1.828 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF0111SBL01

Tot Ion: 84 Resp: 4026

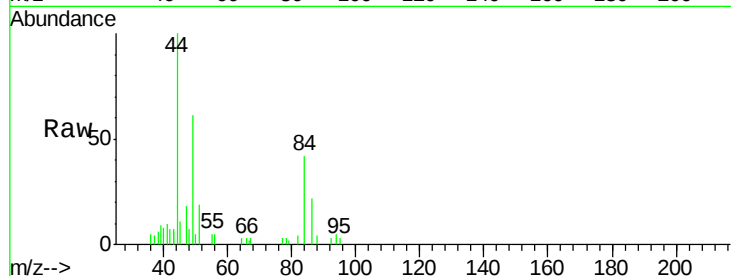
Ion Ratio Lower Upper

84 100

49 144.7 116.6 175.0

51 44.6 37.7 56.5

86 52.4 49.8 74.8

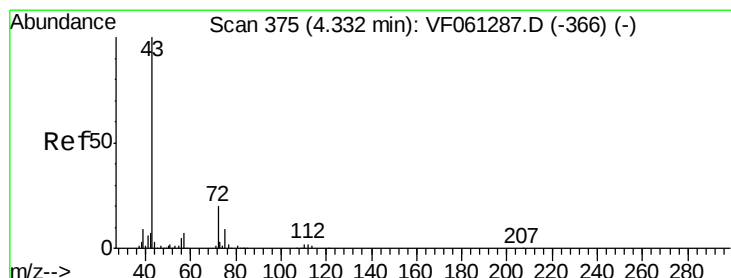
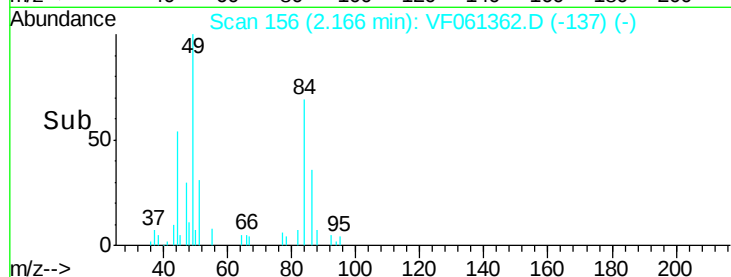
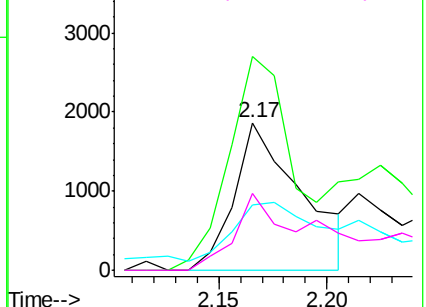


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.377 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061362.D

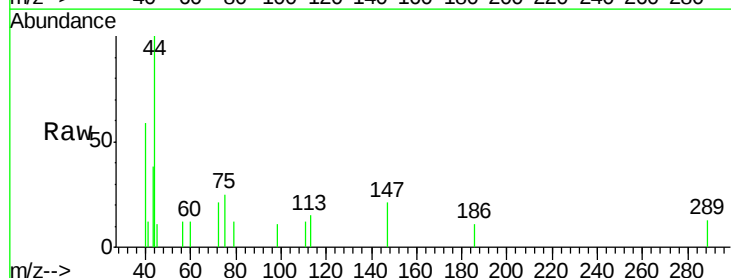
Acq: 11 Jan 2019 12:15

Tgt Ion: 43 Resp: 1154

Ion Ratio Lower Upper

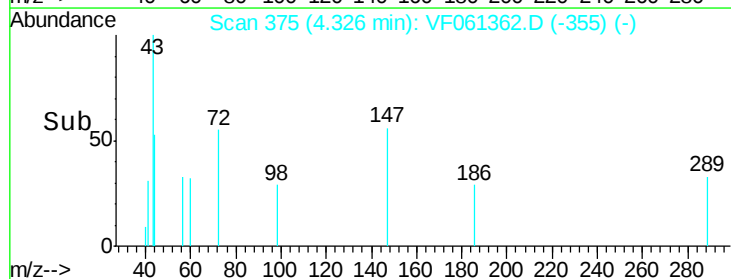
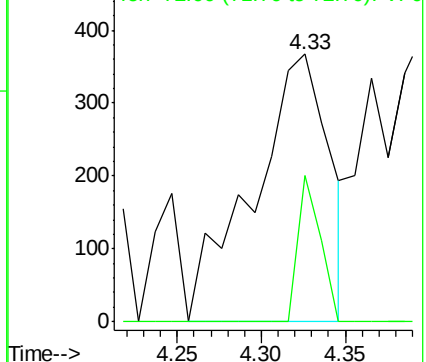
43 100

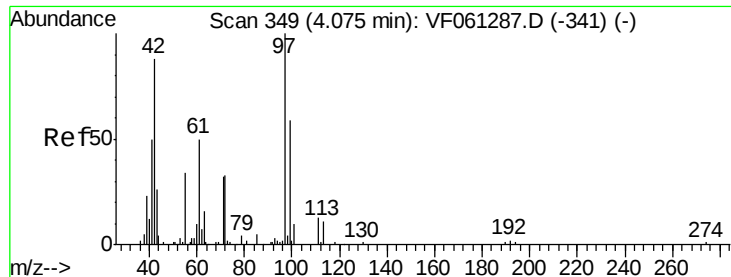
72 54.8 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

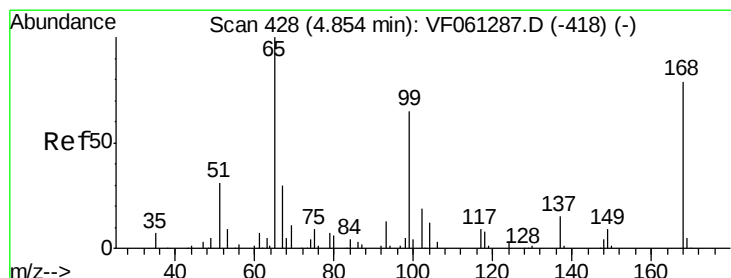
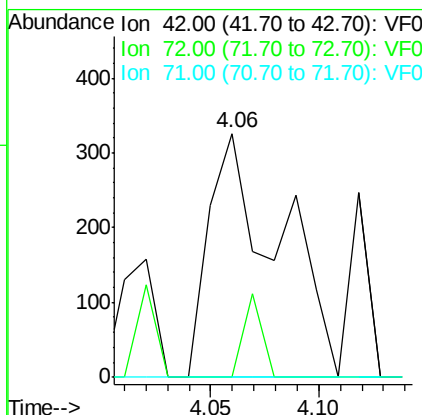
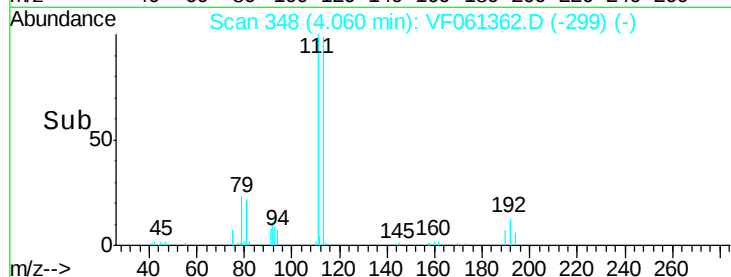
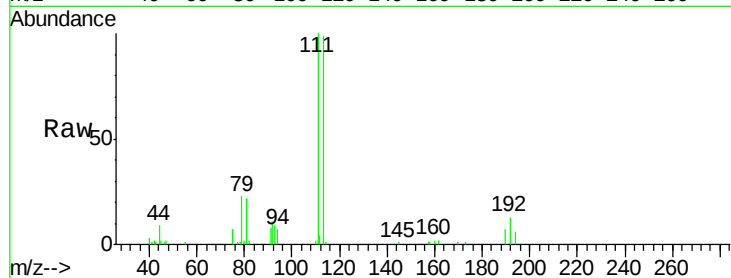




#29
Tetrahydrofuran
Concen: 2.095 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061362.D
Acq: 11 Jan 2019 12:15

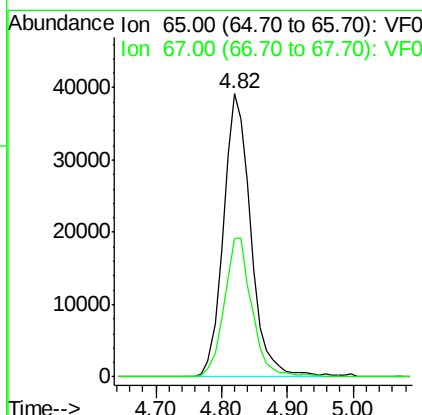
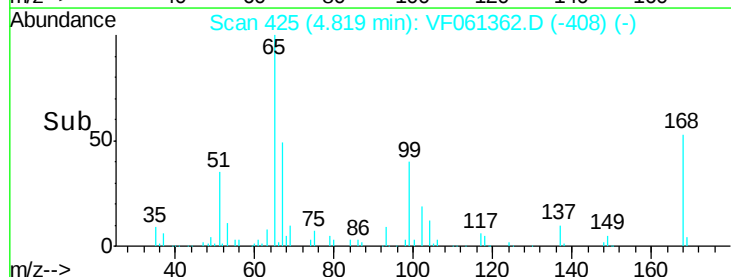
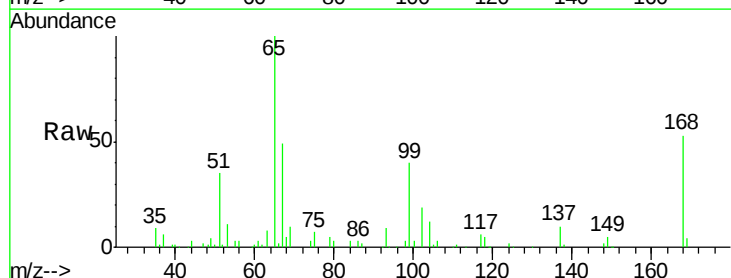
Instrument :
MSVOA_F
ClientSampleId :
VF0111SBL01

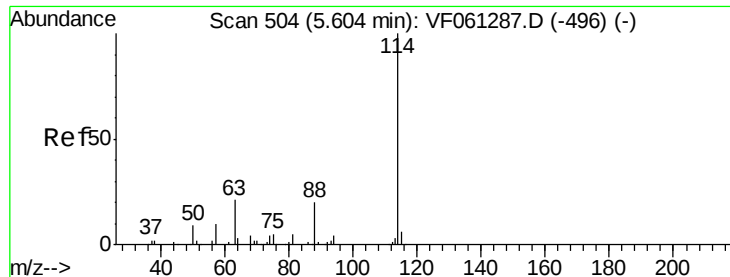
Tot Ion: 42 Resp: 734
Ion Ratio Lower Upper
42 100
72 9.0 32.3 48.5#
71 0.0 29.5 44.3#



#33
1,2-Dichloroethane-d4
Concen: 51.034 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061362.D
Acq: 11 Jan 2019 12:15

Tgt Ion: 65 Resp: 114201
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF0111SBL01

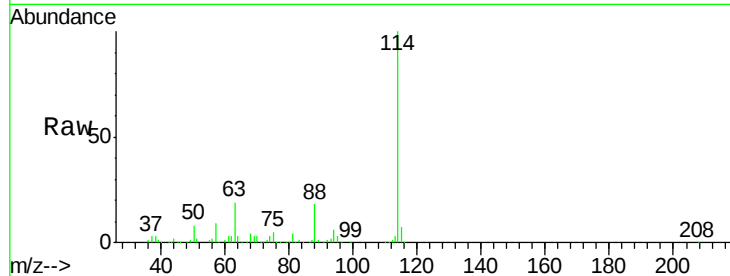
Tot Ion:114 Resp: 366186

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.8

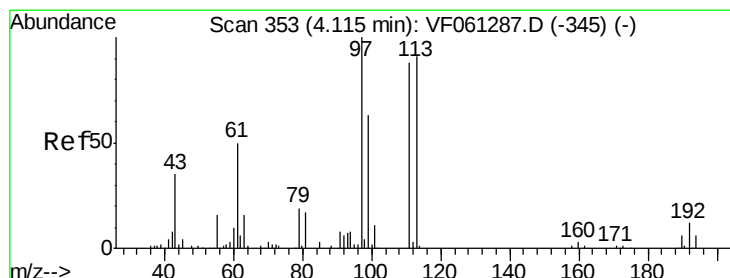
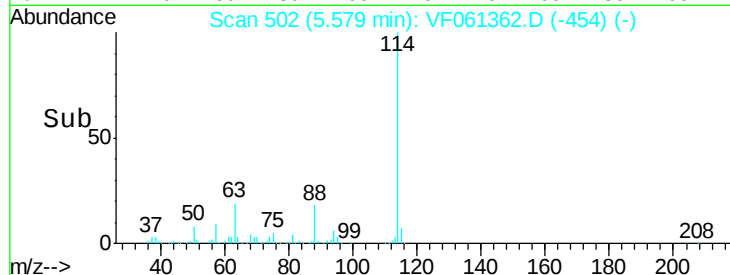
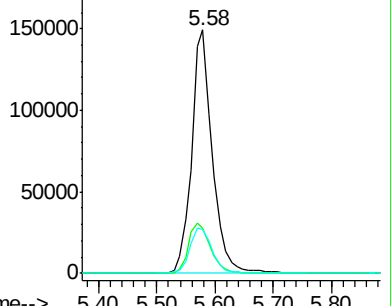
88 17.8 0.0 40.0



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: 49.416 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

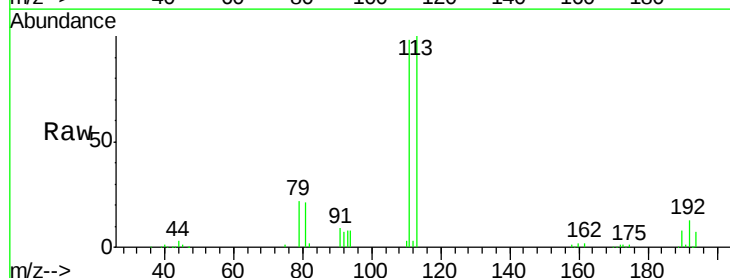
Tgt Ion:113 Resp: 138460

Ion Ratio Lower Upper

113 100

111 97.5 78.0 117.0

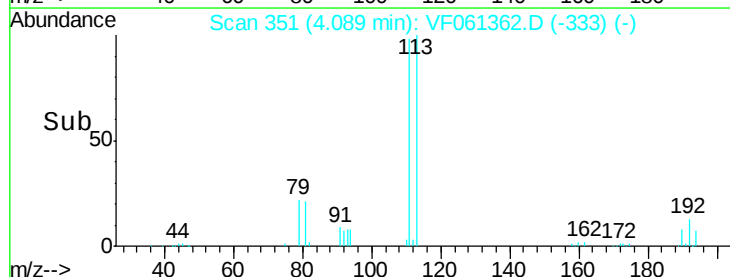
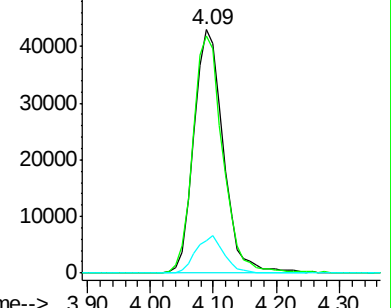
192 13.2 10.6 16.0

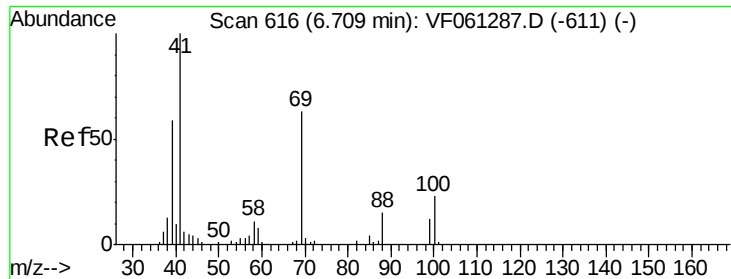


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 7.007 ug/l

RT: 6.31 min Scan# 576

Delta R.T. -0.40 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF0111SBL01

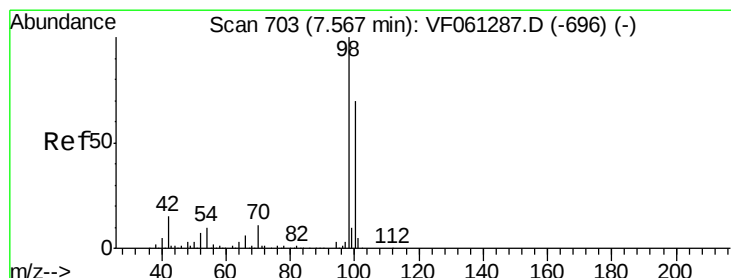
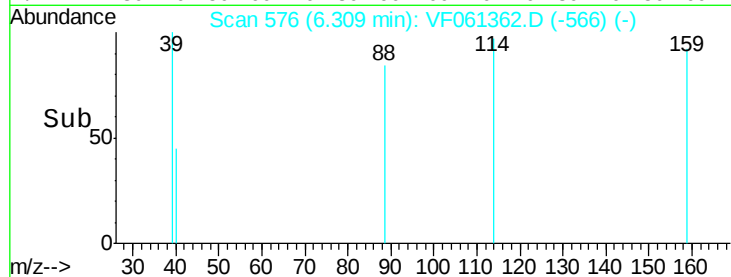
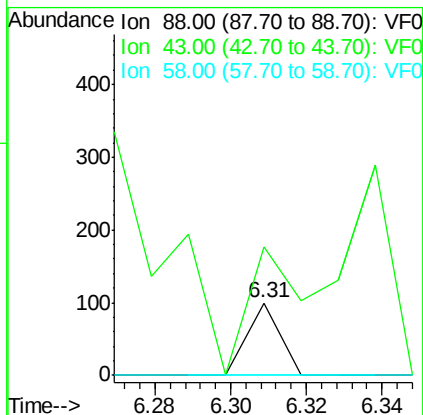
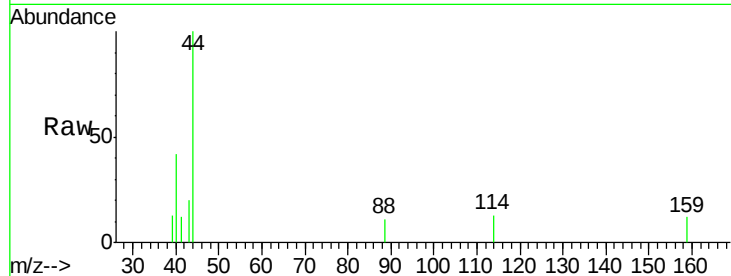
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 176.0 38.5 57.7#

58 0.0 57.0 85.4#



#50

Toluene-d8

Concen: 42.821 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF061362.D

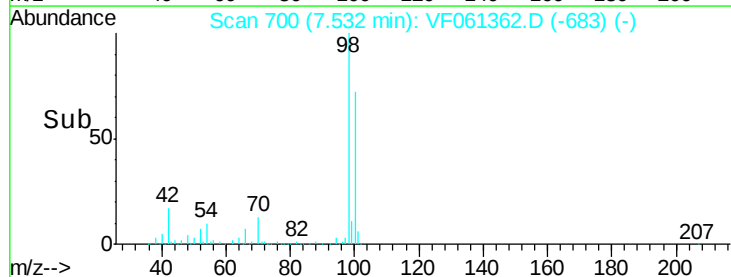
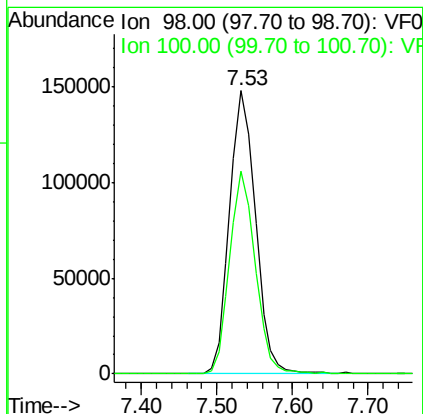
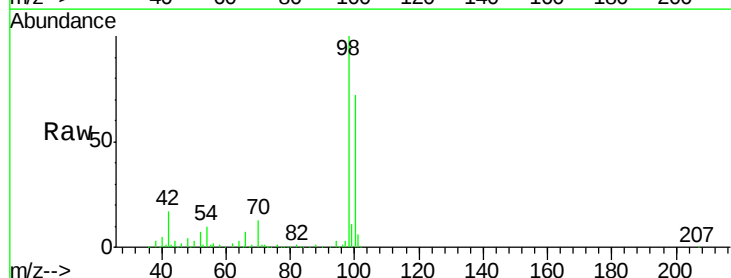
Acq: 11 Jan 2019 12:15

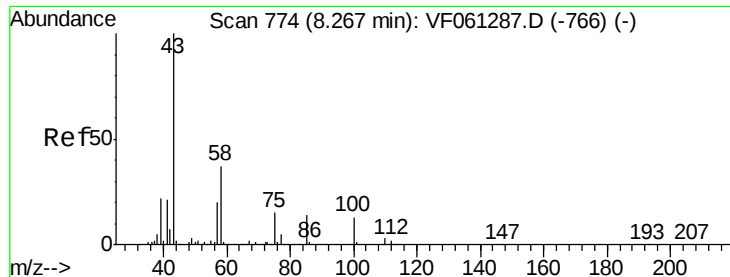
Tgt Ion: 98 Resp: 355056

Ion Ratio Lower Upper

98 100

100 71.7 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 2.022 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

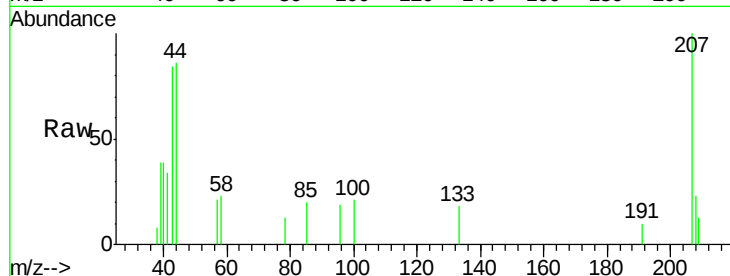
VF0111SBL01

Tot Ion: 43 Resp: 3137

Ion Ratio Lower Upper

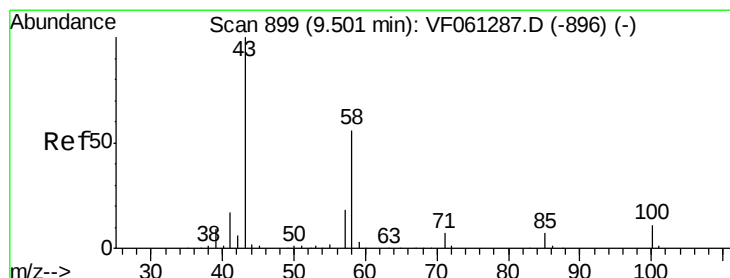
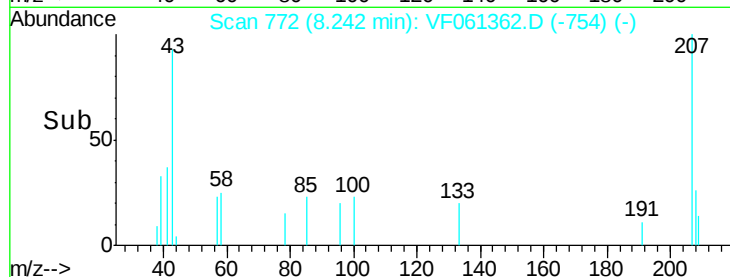
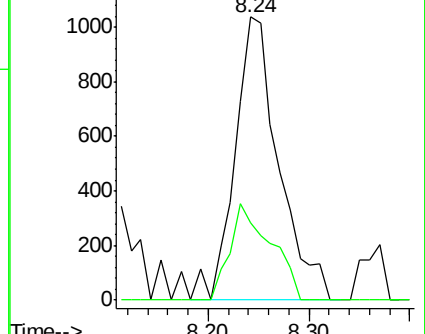
43 100

58 27.5 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: 4.372 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061362.D

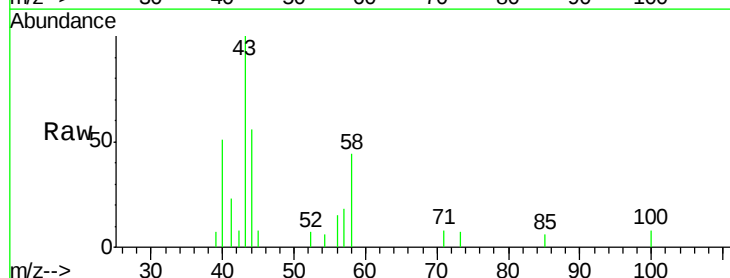
Acq: 11 Jan 2019 12:15

Tgt Ion: 43 Resp: 4806

Ion Ratio Lower Upper

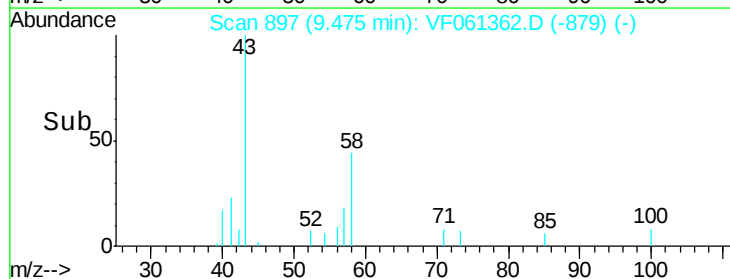
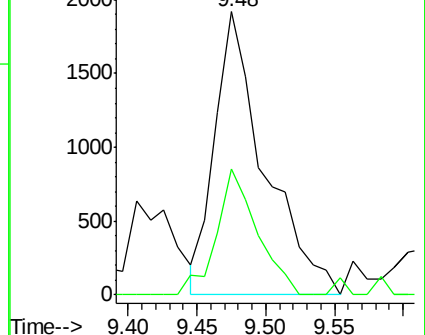
43 100

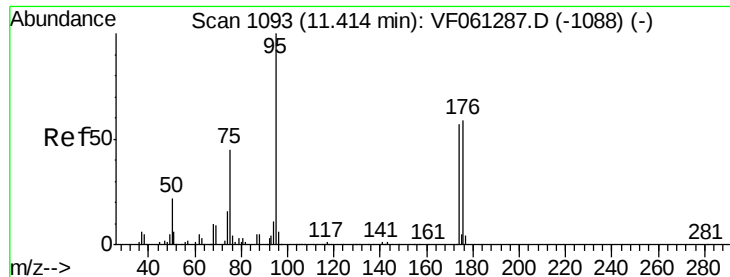
58 44.3 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 48.994 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF0111SBL01

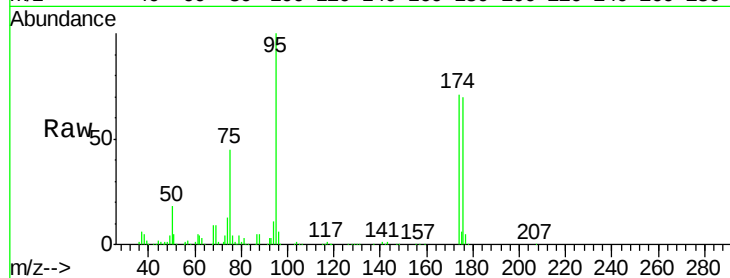
Tot Ion: 95 Resp: 177390

Ion Ratio Lower Upper

95 100

174 71.0 0.0 114.2

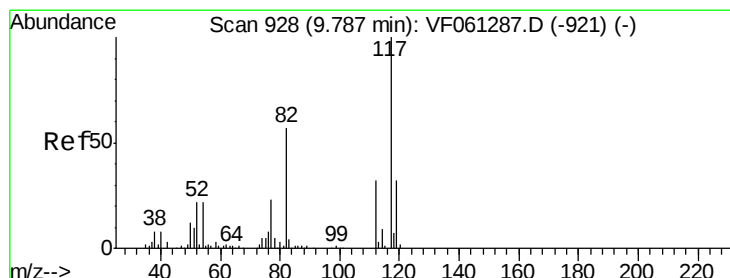
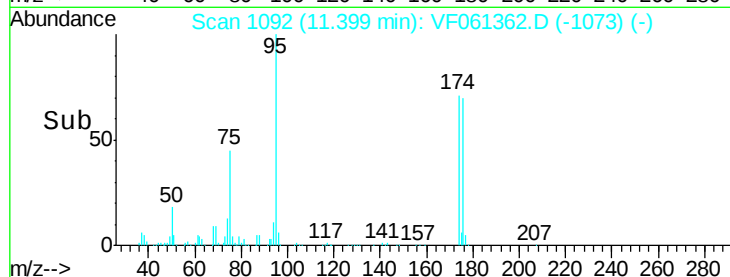
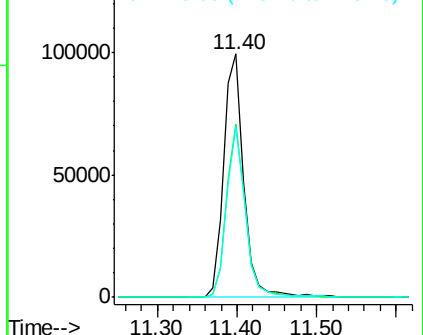
176 70.1 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061362.D

Acq: 11 Jan 2019 12:15

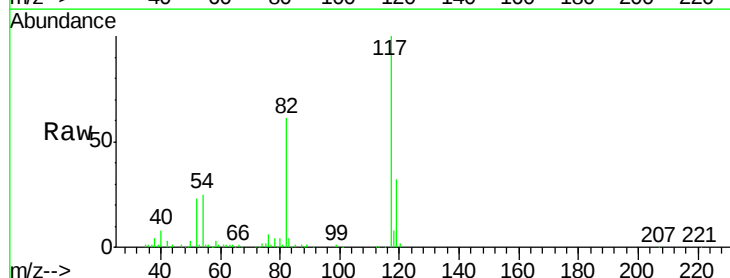
Tgt Ion: 117 Resp: 324116

Ion Ratio Lower Upper

117 100

82 60.5 45.3 67.9

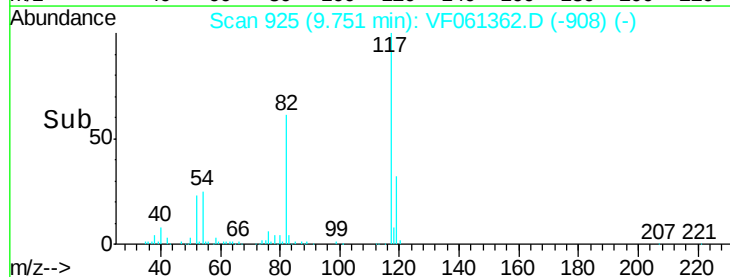
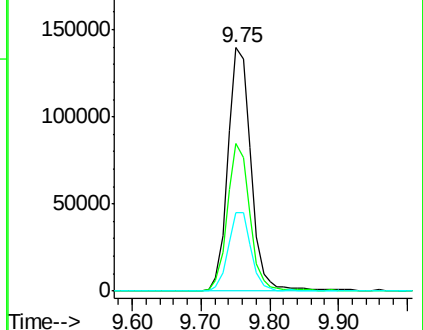
119 32.5 25.4 38.0

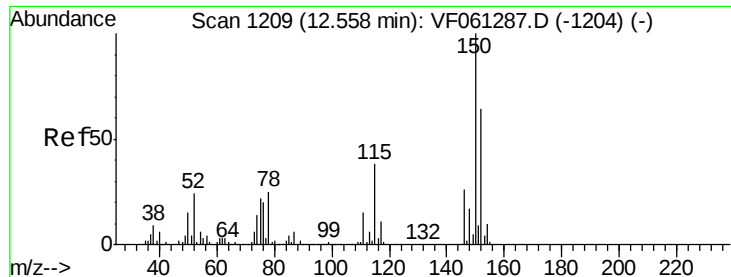


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



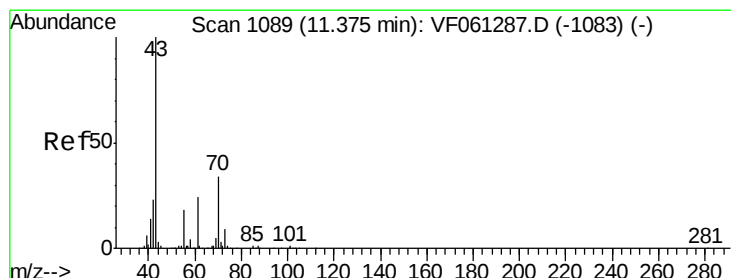
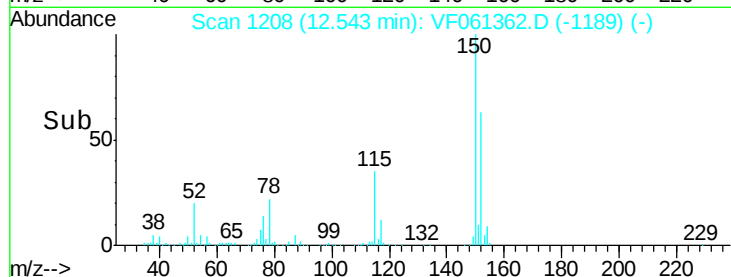
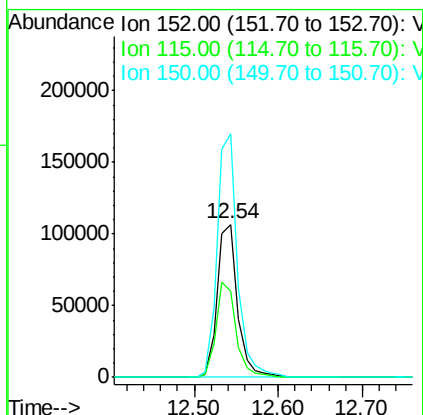
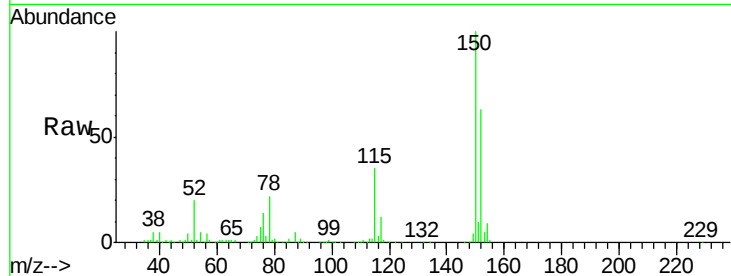


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061362.D
Acq: 11 Jan 2019 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF0111SBL01

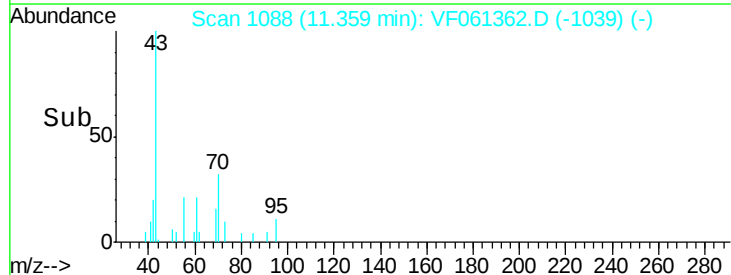
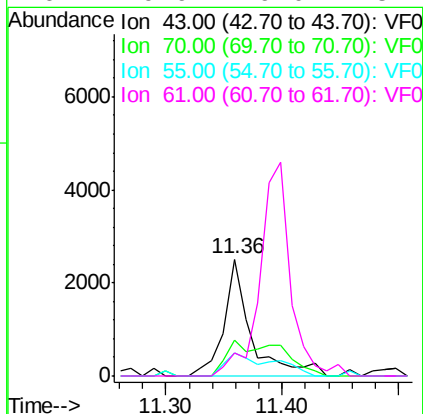
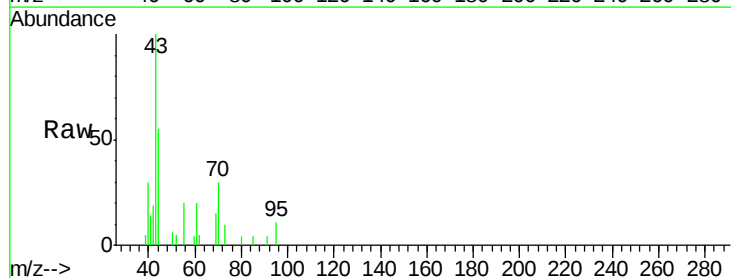
Tot Ion:152 Resp: 180384
Ion Ratio Lower Upper
152 100
115 56.2 29.6 88.9
150 159.1 0.0 315.4

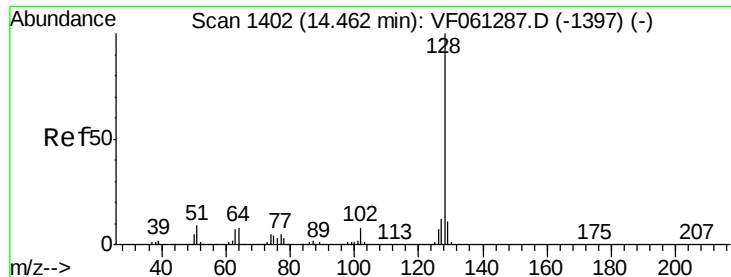


#74

N-ethyl acetate
Concen: 1.125 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VF061362.D
Acq: 11 Jan 2019 12:15

Tgt Ion: 43 Resp: 4060
Ion Ratio Lower Upper
43 100
70 30.3 27.4 41.0
55 19.8 14.7 22.1
61 19.9 19.0 28.4

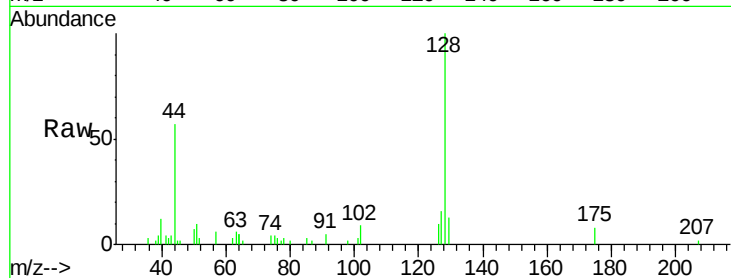




#95
Naphthalene
Concen: 1.007 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061362.D
Acq: 11 Jan 2019 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF0111SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	9.4	14.0#
129	13.4	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

