

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061388.D
 Acq On : 14 Jan 2019 14:41
 Operator : VA/AP
 Sample : K1015-05
 Misc : 6.82g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:40:55 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	222202	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	363009	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	343148	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	161504	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	127938	51.73	ug/l	-0.03
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	4.10	113	150027	54.01	ug/l	-0.02
Spiked Amount			Recovery	=	108.02%	
50) Toluene-d8	7.54	98	380074	46.24	ug/l	-0.03
Spiked Amount			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	11.40	95	177091	49.34	ug/l	-0.02
Spiked Amount			Recovery	=	98.68%	

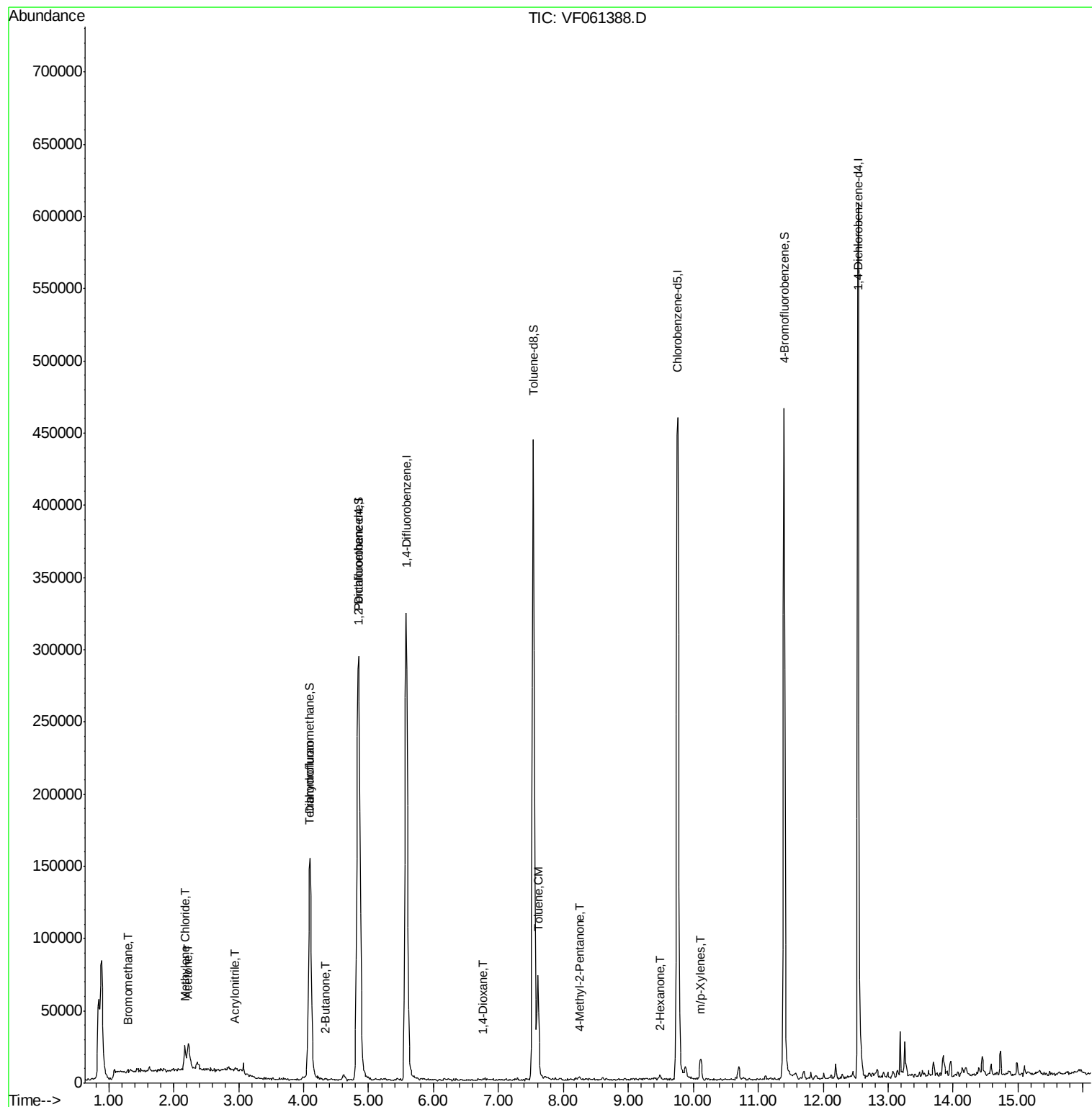
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.29	94	363	3.034	ug/l #	6
13) Acrolein	2.02	56	551	Below Cal	#	71
15) Acrylonitrile	2.94	53	472	1.345	ug/l #	64
16) Acetone	2.22	43	13200	22.943	ug/l #	86
20) Methylene Chloride	2.18	84	5935	2.438	ug/l #	71
25) 2-Butanone	4.33	43	2332	2.518	ug/l #	56
29) Tetrahydrofuran	4.08	42	1077	2.782	ug/l #	46
49) 1,4-Dioxane	6.77	88	74	8.865	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	2444	1.589	ug/l	89
52) Toluene	7.61	92	36757	5.778	ug/l	92
59) 2-Hexanone	9.49	43	2646	2.428	ug/l	85
68) m/p-Xylenes	10.12	106	5173	1.110	ug/l	96

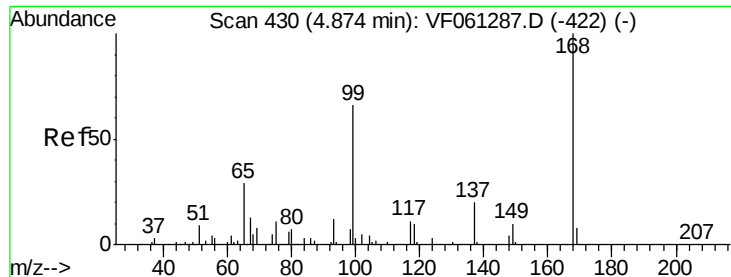
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.02 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

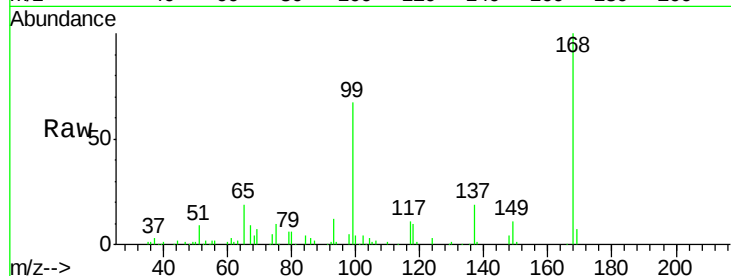
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 222202

Ion Ratio Lower Upper

168 100

99 67.2 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

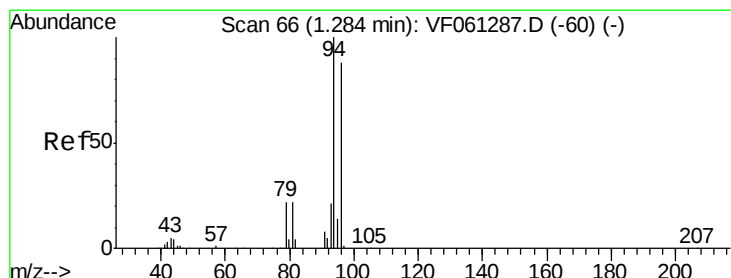
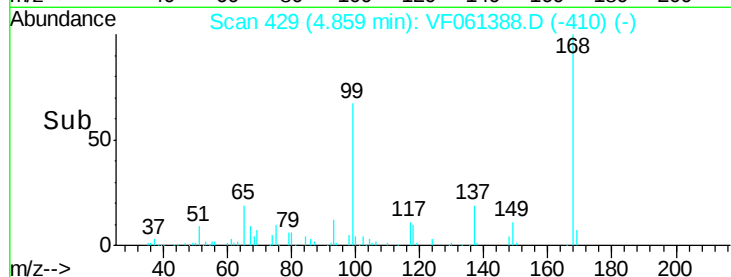
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 3.034 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF061388.D

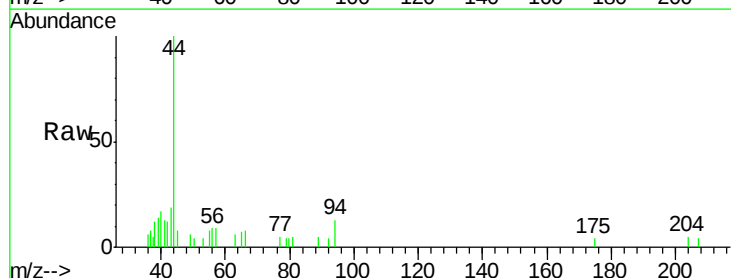
Acq: 14 Jan 2019 14:41

Tgt Ion: 94 Resp: 363

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

400

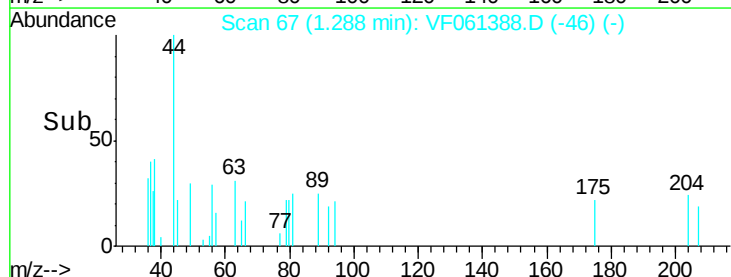
300

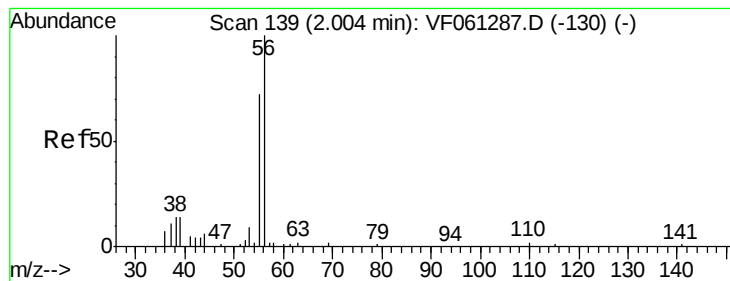
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

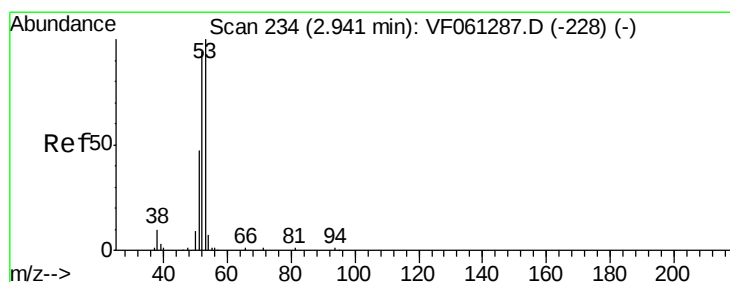
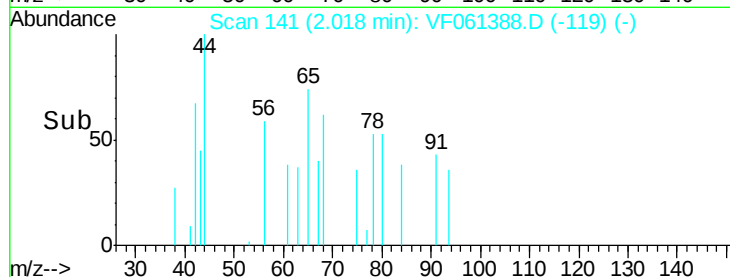
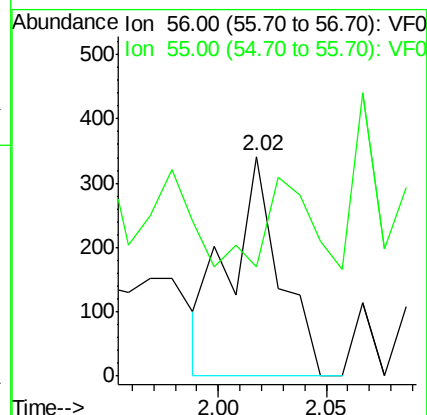
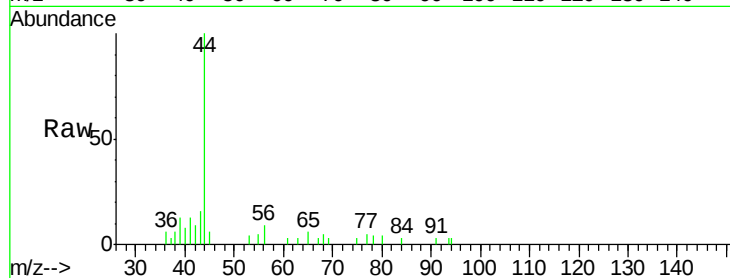
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 551

Ion Ratio Lower Upper

56 100

55 49.7 59.4 89.0#



#15

Acrylonitrile

Concen: 1.345 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

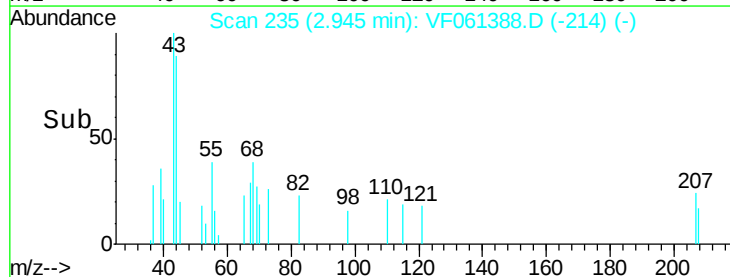
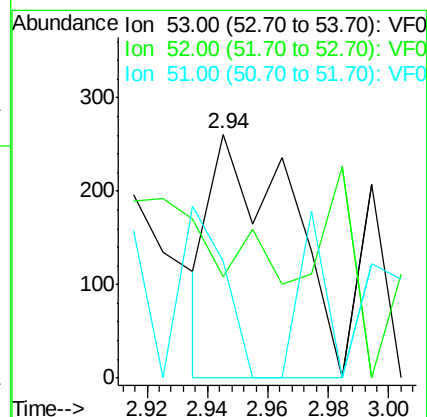
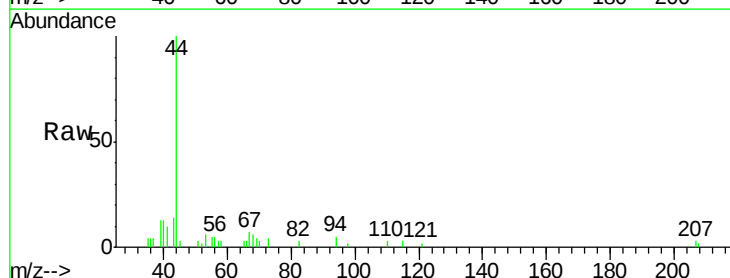
Tgt Ion: 53 Resp: 472

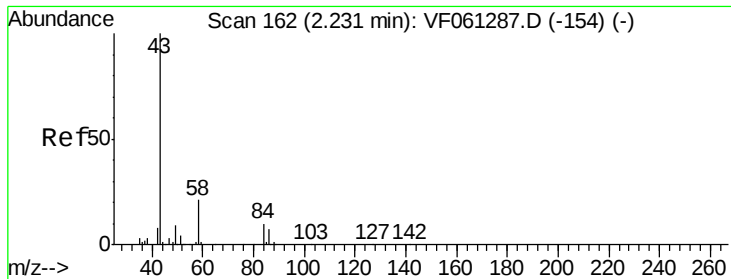
Ion Ratio Lower Upper

53 100

52 41.4 74.6 111.8#

51 47.9 37.8 56.6





#16

Acetone

Concen: 22.943 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

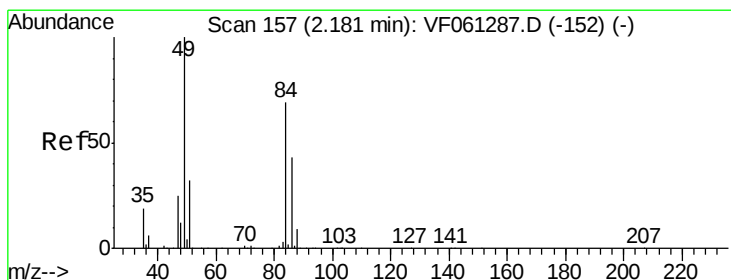
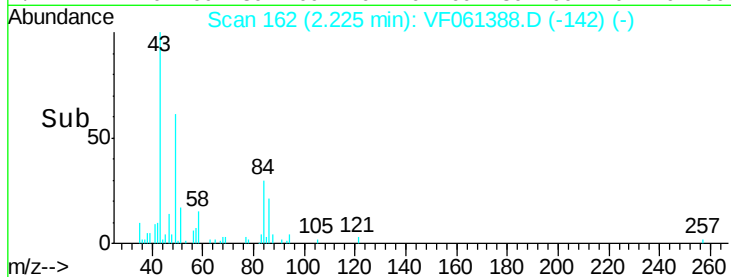
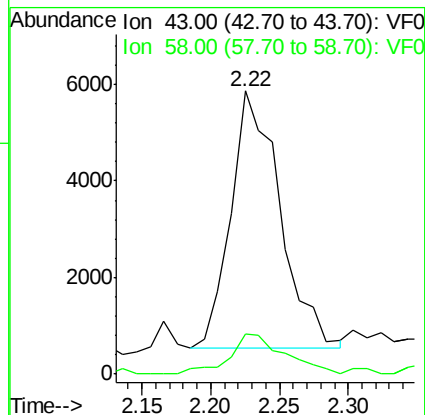
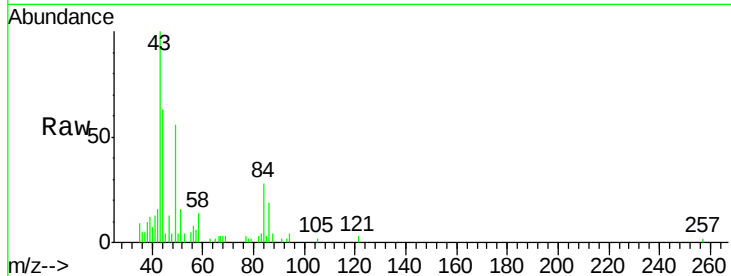
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 13200

Ion Ratio Lower Upper

43 100

58 14.3 16.6 25.0#



#20

Methylene Chloride

Concen: 2.438 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

Tgt Ion: 84 Resp: 5935

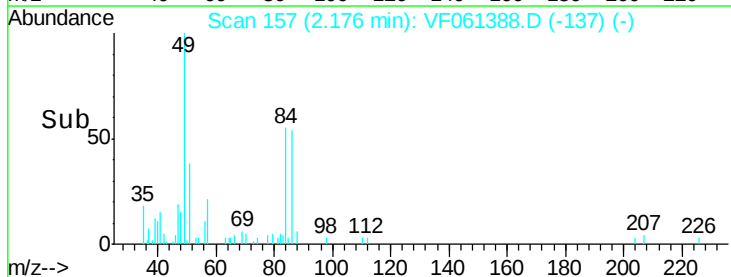
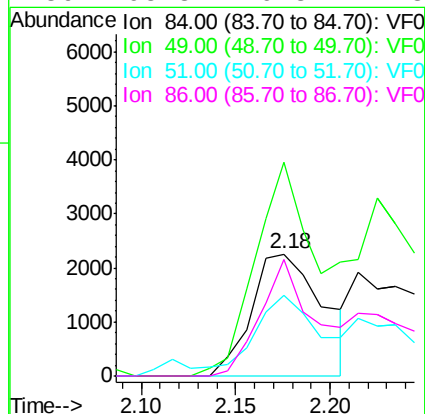
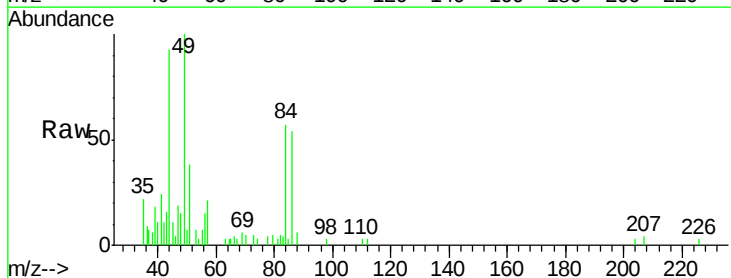
Ion Ratio Lower Upper

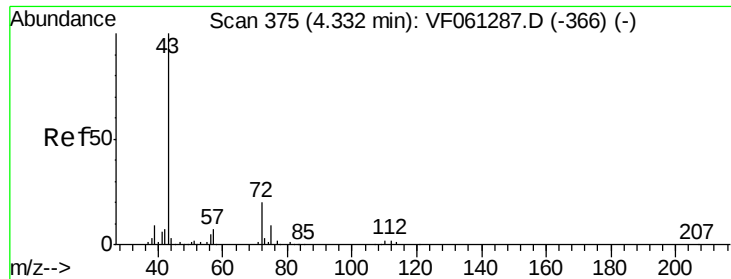
84 100

49 175.1 116.6 175.0#

51 66.2 37.7 56.5#

86 95.3 49.8 74.8#





#25

2-Butanone

Concen: 2.518 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

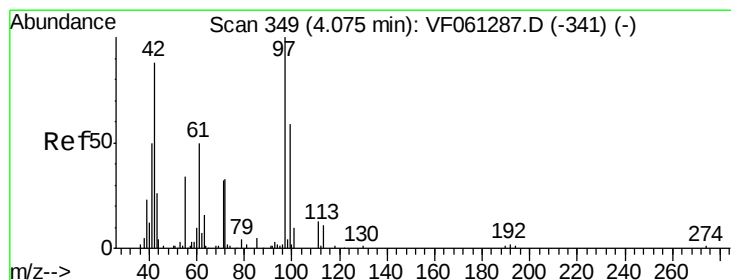
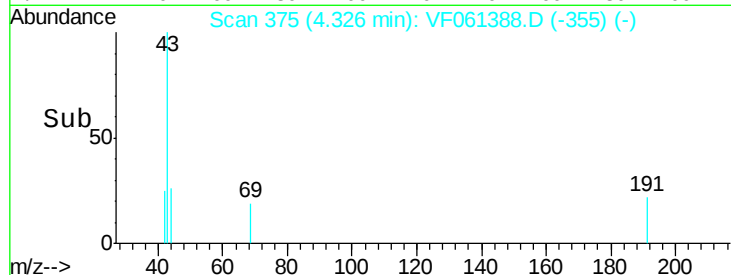
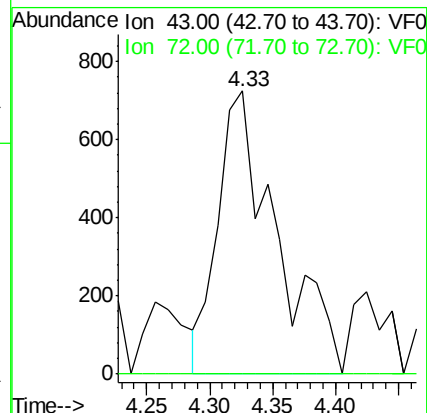
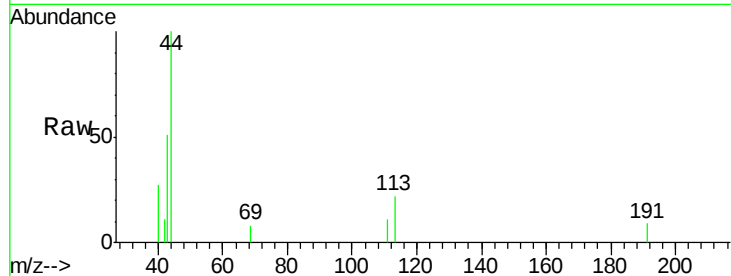
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#29

Tetrahydrofuran

Concen: 2.782 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

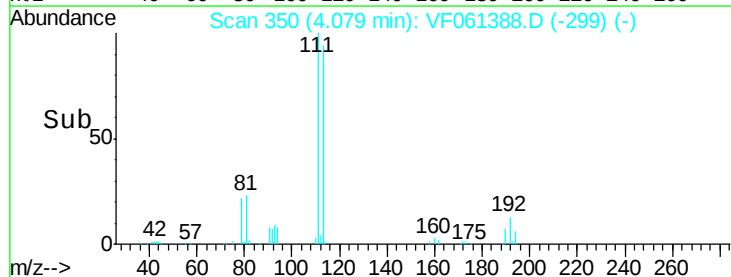
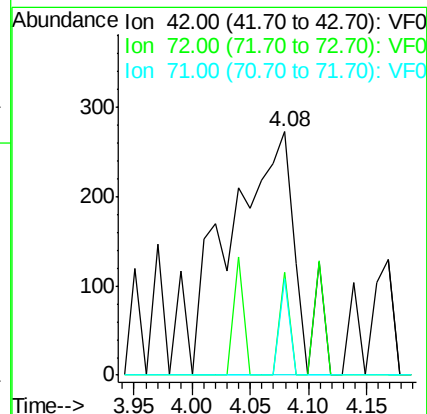
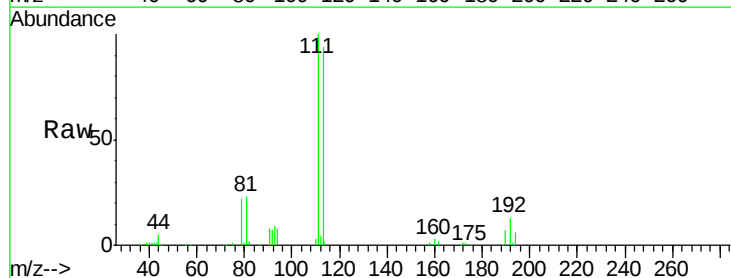
Tgt Ion: 42 Resp: 1077

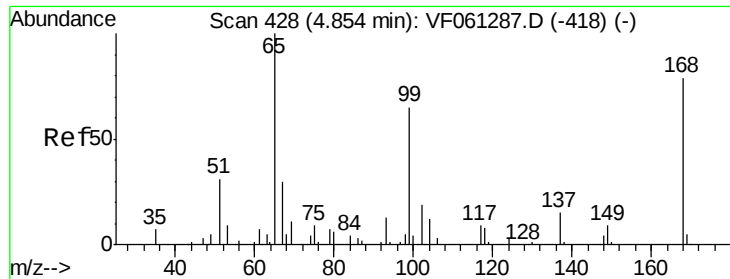
Ion Ratio Lower Upper

42 100

72 6.3 32.3 48.5#

71 5.9 29.5 44.3#

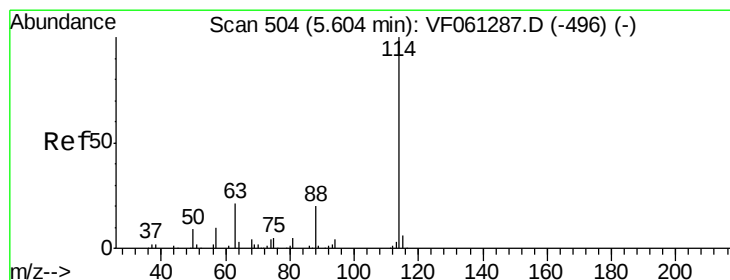
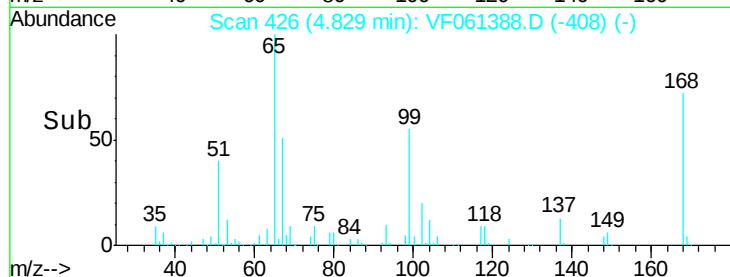
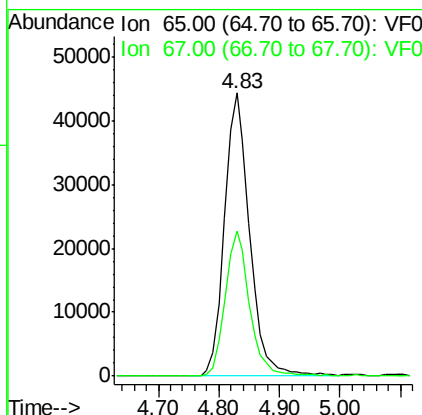
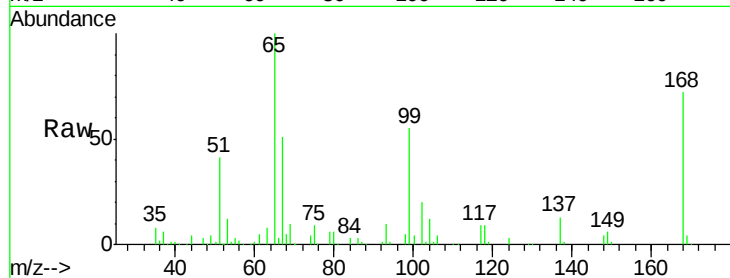




#33
 1,2-Dichloroethane-d4
 Concen: 51.729 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061388.D
 Acq: 14 Jan 2019 14:41

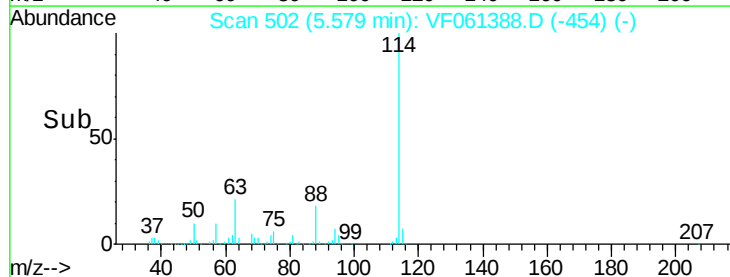
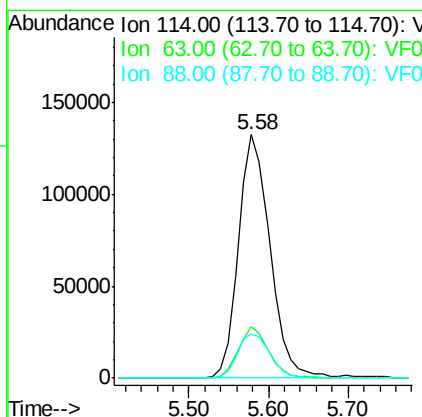
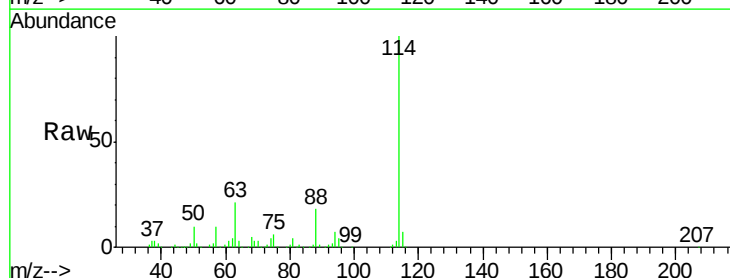
Instrument :
 MSVOA_F
 ClientSampleId :

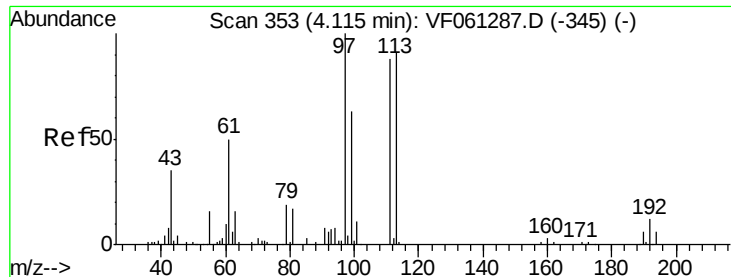
Tot Ion: 65 Resp: 127938
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061388.D
 Acq: 14 Jan 2019 14:41

Tgt Ion: 114 Resp: 363009
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 18.0 0.0 40.0

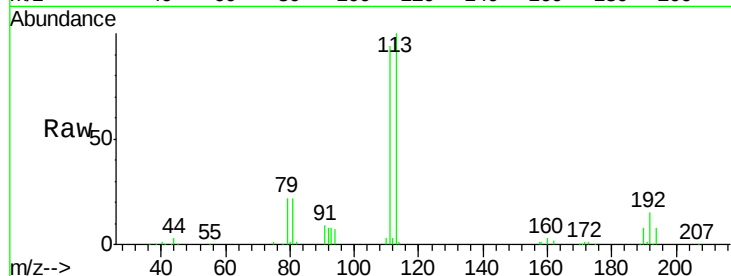




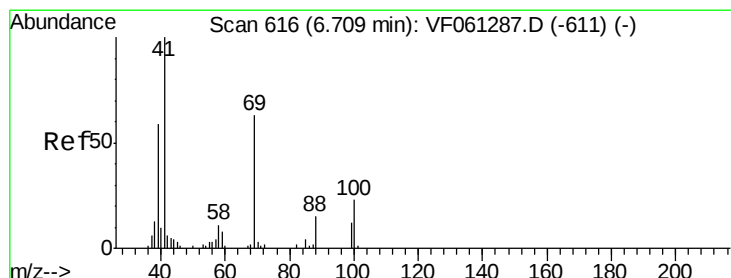
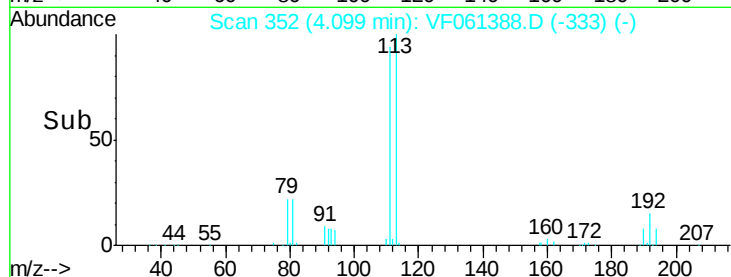
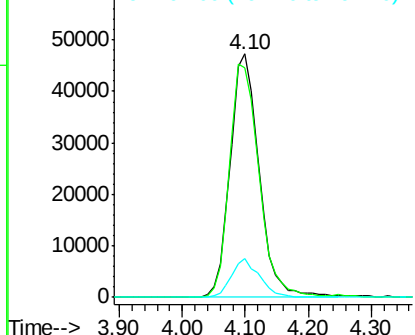
#35
 Dibromofluoromethane
 Concen: 54.013 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061388.D
 Acq: 14 Jan 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 150027
 Ion Ratio Lower Upper
 113 100
 111 94.4 78.0 117.0
 192 15.7 10.6 16.0

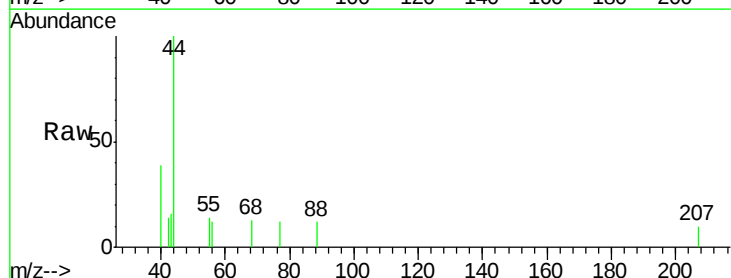


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

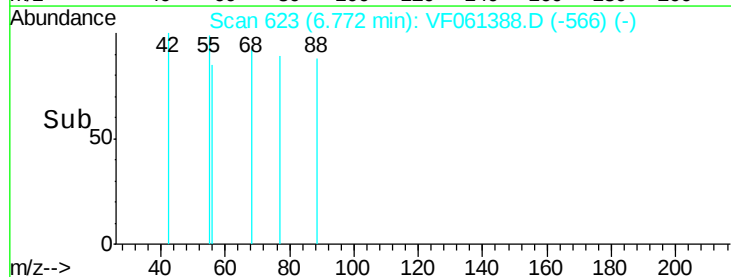
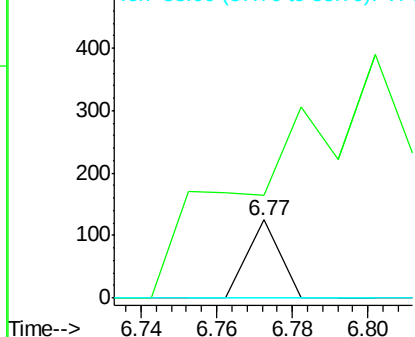


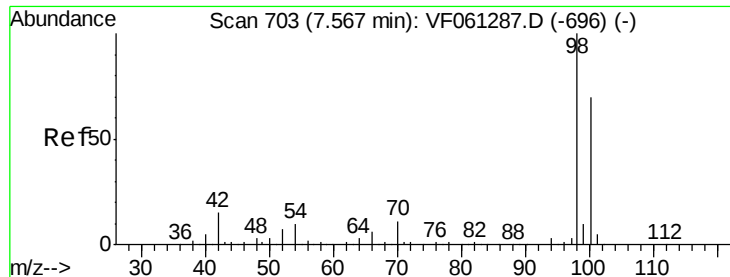
#49
 1,4-Dioxane
 Concen: 8.865 ug/l
 RT: 6.77 min Scan# 623
 Delta R.T. 0.06 min
 Lab File: VF061388.D
 Acq: 14 Jan 2019 14:41

Tgt Ion: 88 Resp: 74
 Ion Ratio Lower Upper
 88 100
 43 131.2 38.5 57.7#
 58 0.0 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

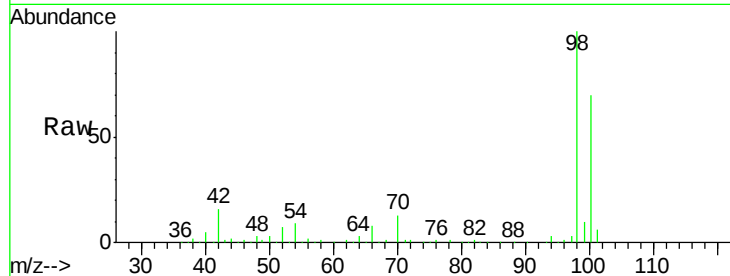




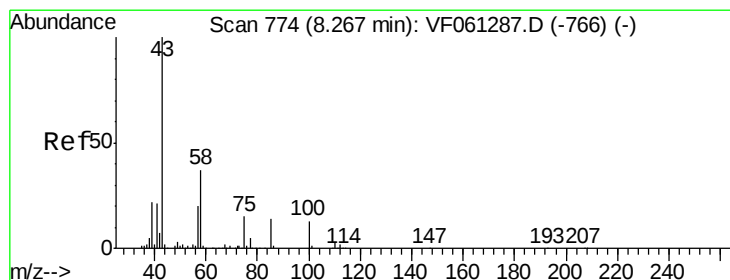
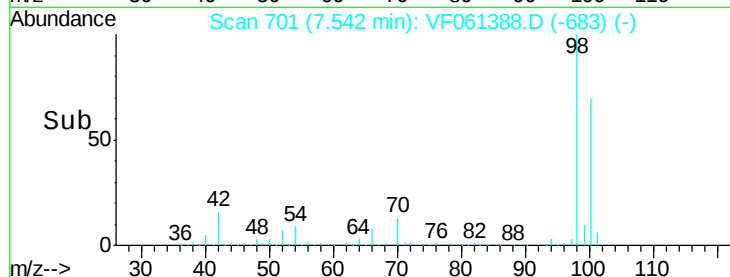
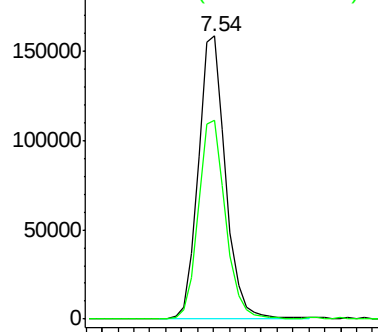
#50
Toluene-d8
Concen: 46.240 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.03 min
Lab File: VF061388.D
Acq: 14 Jan 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 380074
Ion Ratio Lower Upper
98 100
100 70.4 55.6 83.4

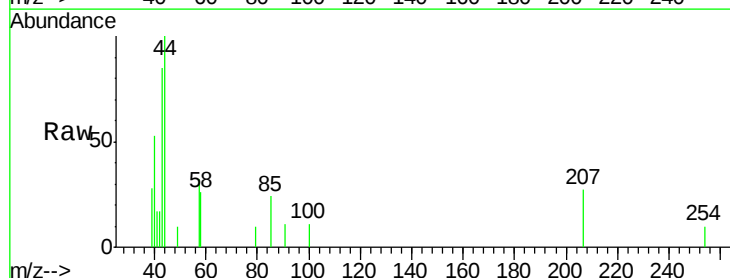


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

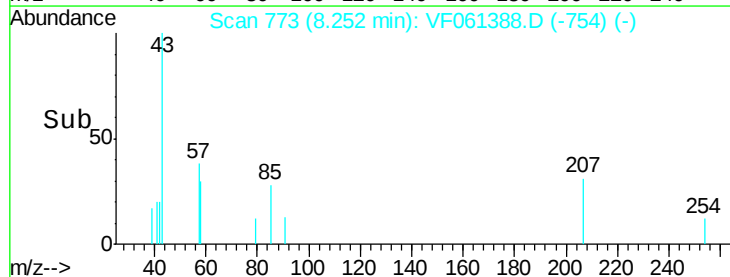
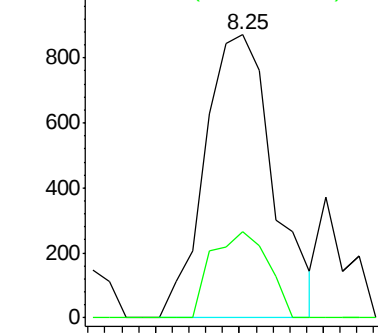


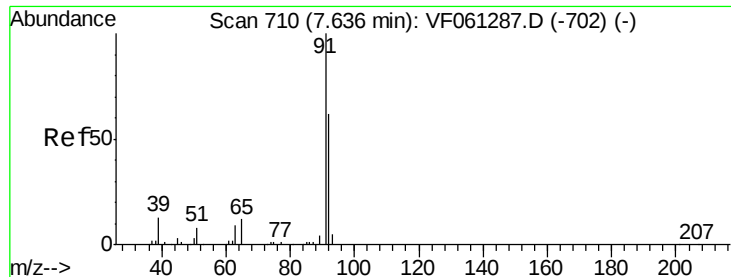
#51
4-Methyl-2-Pentanone
Concen: 1.589 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.02 min
Lab File: VF061388.D
Acq: 14 Jan 2019 14:41

Tgt Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
58 30.3 29.6 44.4



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





#52

Toluene

Concen: 5.778 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.03 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

Instrument :

MSVOA_F

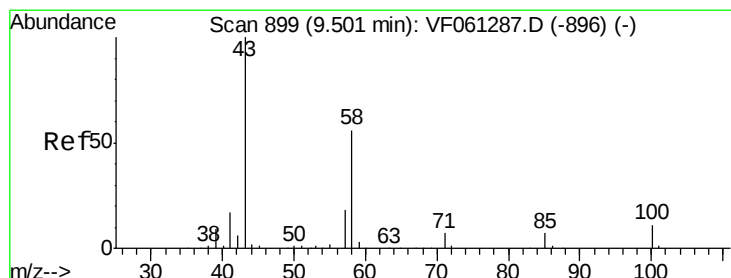
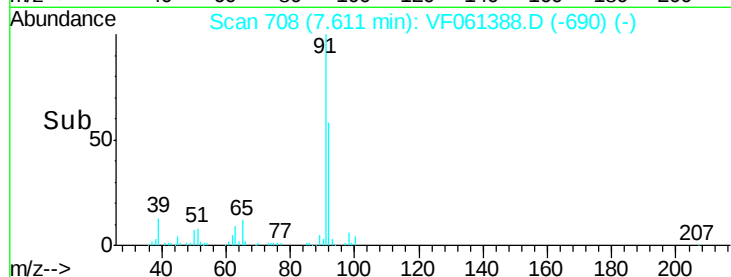
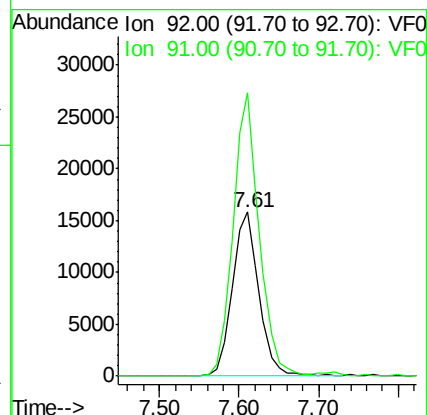
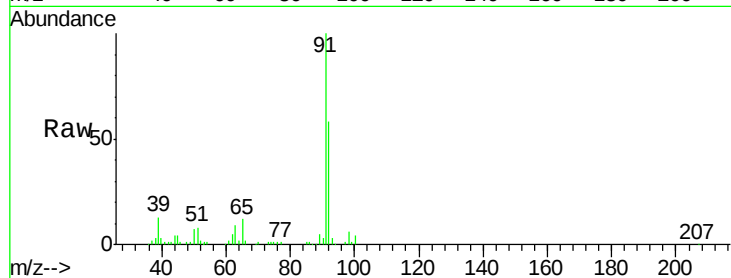
ClientSampled :

Tot Ion: 92 Resp: 36757

Ion Ratio Lower Upper

92 100

91 172.5 129.2 193.8



#59

2-Hexanone

Concen: 2.428 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061388.D

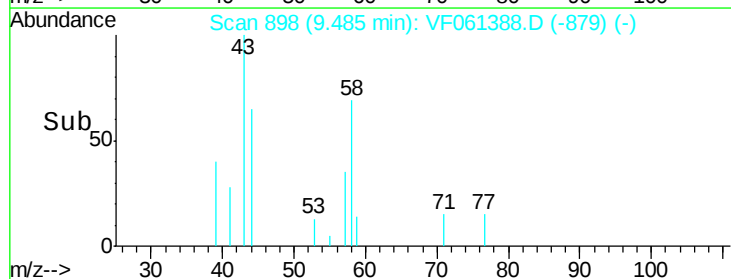
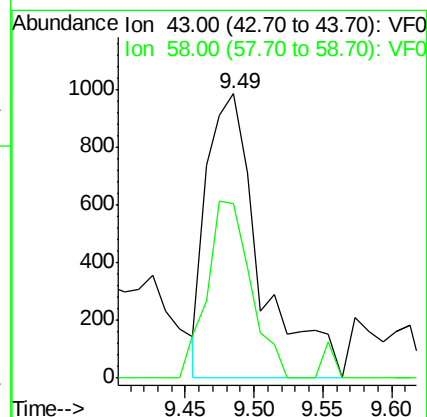
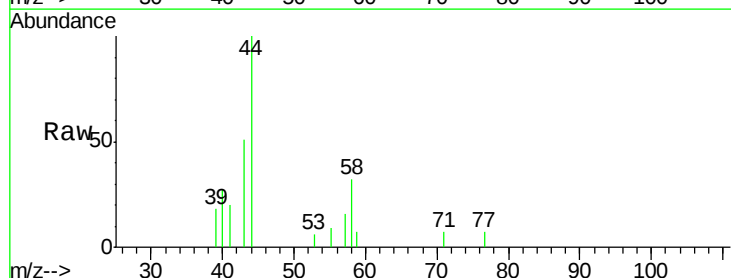
Acq: 14 Jan 2019 14:41

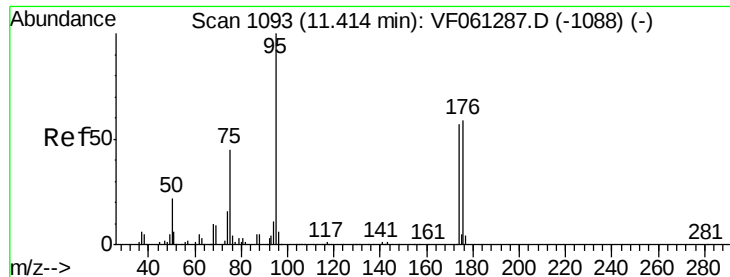
Tgt Ion: 43 Resp: 2646

Ion Ratio Lower Upper

43 100

58 61.4 25.6 76.8





#62

4-Bromofluorobenzene

Concen: 49.340 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

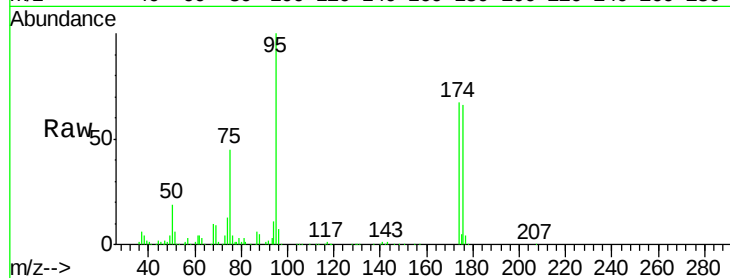
Tot Ion: 95 Resp: 177091

Ion Ratio Lower Upper

95 100

174 67.1 0.0 114.2

176 65.8 0.0 117.8

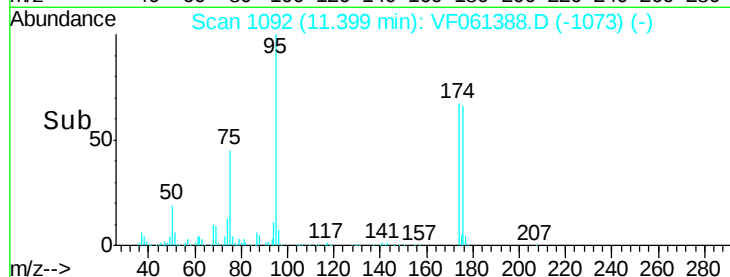


Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)

Time-->

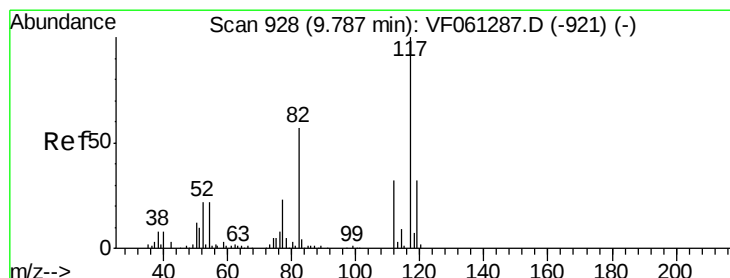


Abundance Ion 95.00 (94.70 to 95.70): VF061388.D (-1073) (-)

Ion 174.00 (173.70 to 174.70): VF061388.D (-1073) (-)

Ion 176.00 (175.70 to 176.70): VF061388.D (-1073) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

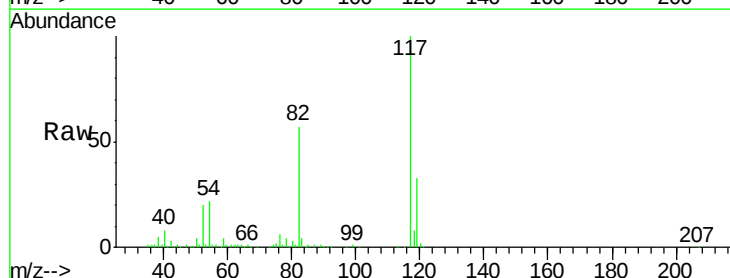
Tgt Ion: 117 Resp: 343148

Ion Ratio Lower Upper

117 100

82 57.4 45.3 67.9

119 33.2 25.4 38.0

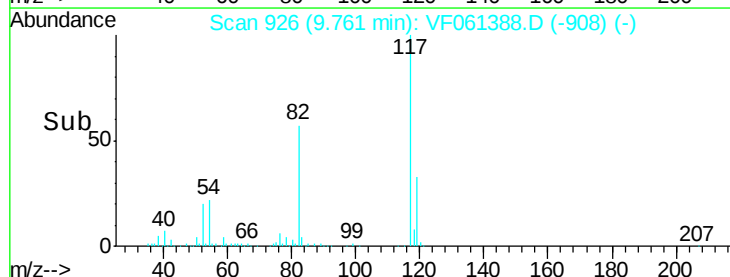


Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)

Time-->

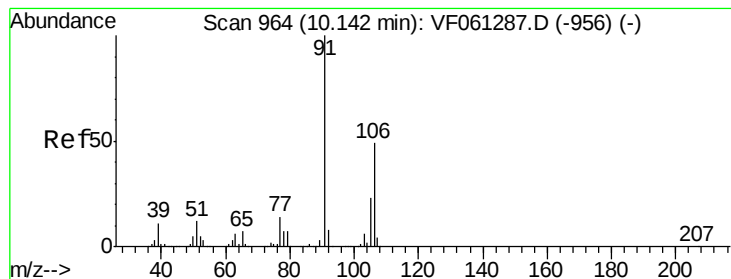


Abundance Ion 117.00 (116.70 to 117.70): VF061388.D (-908) (-)

Ion 82.00 (81.70 to 82.70): VF061388.D (-908) (-)

Ion 119.00 (118.70 to 119.70): VF061388.D (-908) (-)

Time-->



#68

m/p-Xvlenes

Concen: 1.110 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061388.D

Acq: 14 Jan 2019 14:41

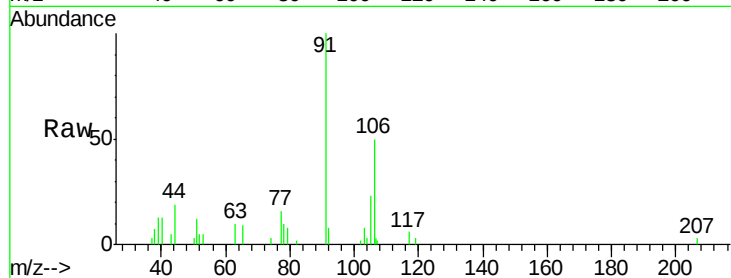
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 5173

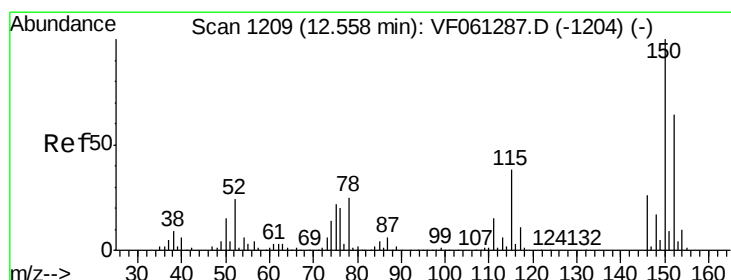
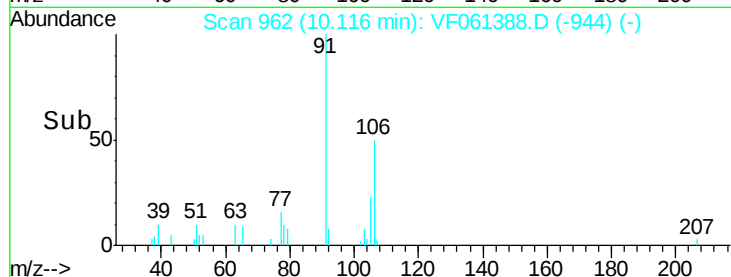
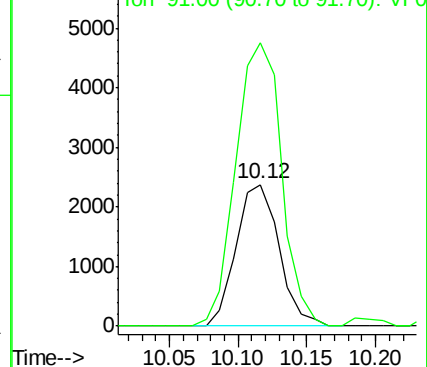
Ion Ratio Lower Upper

106 100

91 199.5 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VF061388.D

Acq: 14 Jan 2019 14:41

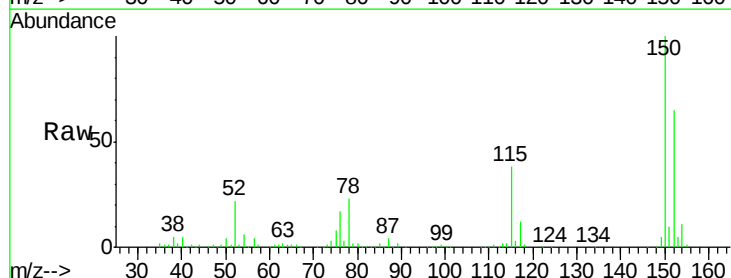
Tgt Ion:152 Resp: 161504

Ion Ratio Lower Upper

152 100

115 59.1 29.6 88.9

150 153.9 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

