

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061862.D
 Acq On : 8 Mar 2019 14:43
 Operator : VA/AP
 Sample : VF0308SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0308SBL01

Quant Time: Mar 09 00:44:11 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

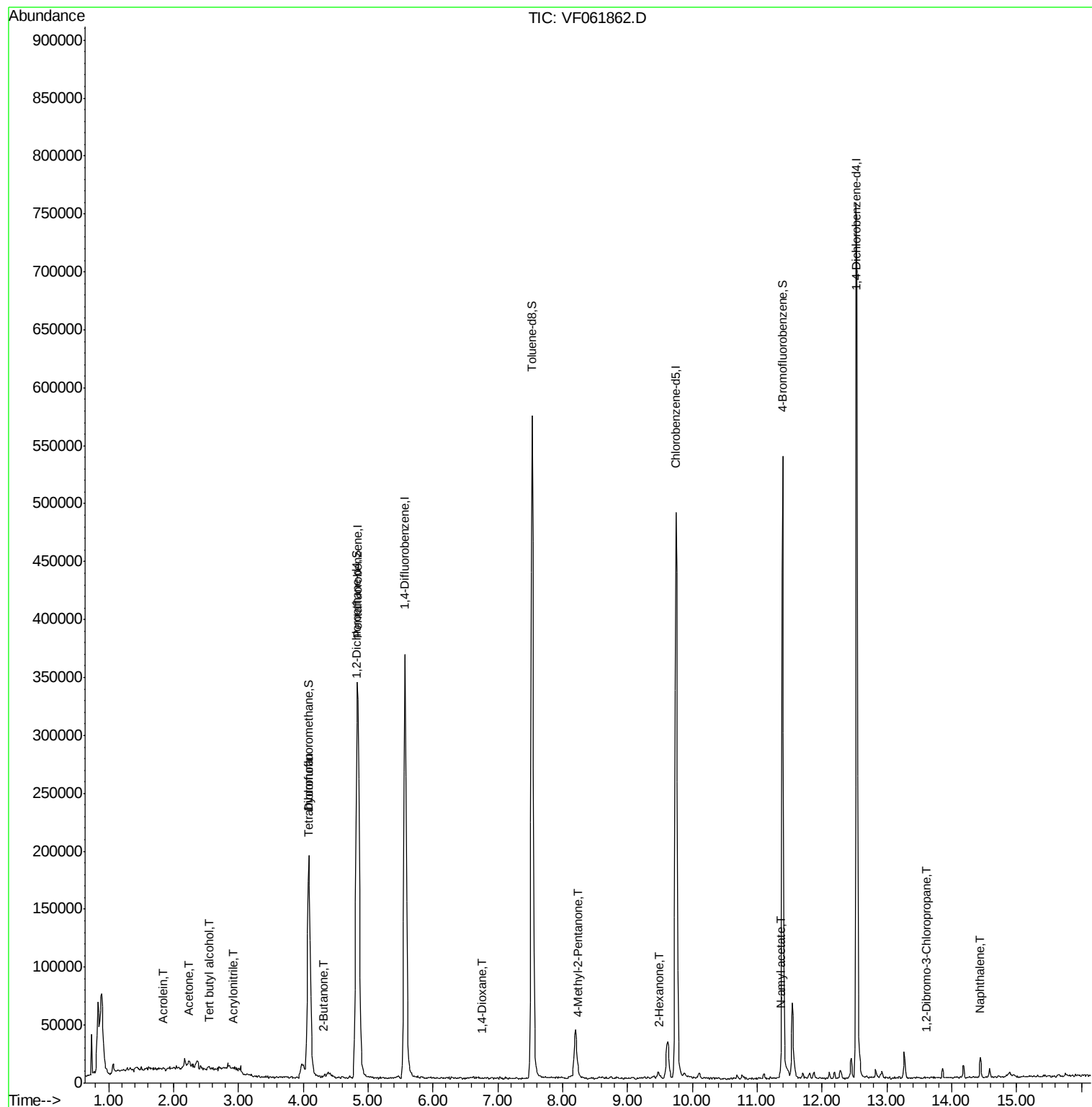
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	321776	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	476410	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	394973	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	234512	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	129984	55.47	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.94%	
35) Dibromofluoromethane	4.09	113	191594	57.63	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.26%	
50) Toluene-d8	7.53	98	504229	51.02	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.40	95	209516	54.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.24%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	464	3.489	ug/l #	49
13) Acrolein	1.85	56	429	2.546	ug/l	97
15) Acrylonitrile	2.92	53	1673	3.950	ug/l #	55
16) Acetone	2.23	43	2866	5.839	ug/l #	88
18) Methyl Acetate	2.36	43	3692	Below Cal	#	87
20) Methylene Chloride	2.17	84	4160	Below Cal	#	77
25) 2-Butanone	4.31	43	2961	2.966	ug/l #	86
29) Tetrahydrofuran	4.07	42	860	1.997	ug/l #	83
49) 1,4-Dioxane	6.76	88	66	4.900	ug/l #	7
51) 4-Methyl-2-Pentanone	8.24	43	3931	2.443	ug/l	95
59) 2-Hexanone	9.47	43	6410	5.521	ug/l	88
74) N-amyl acetate	11.36	43	4142	1.114	ug/l #	87
92) 1,2-Dibromo-3-Chloropropan	13.62	75	82	3.930	ug/l #	21
95) Naphthalene	14.44	128	11887	1.362	ug/l #	94

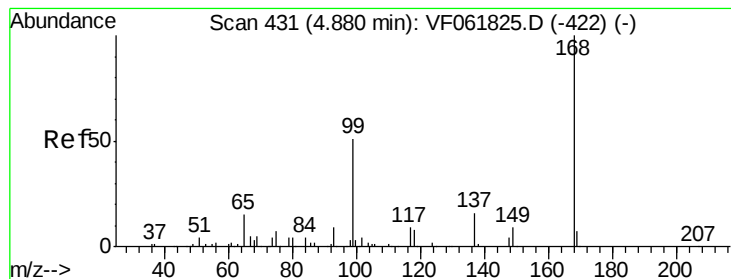
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VF0308SBL01

Quant Time: Mar 09 00:44:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 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: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

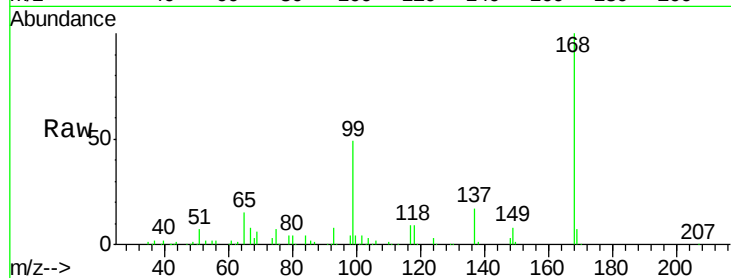
VF0308SBL01

Tot Ion:168 Resp: 321776

Ion Ratio Lower Upper

168 100

99 48.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

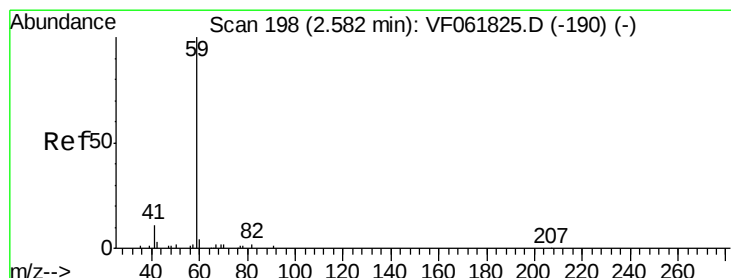
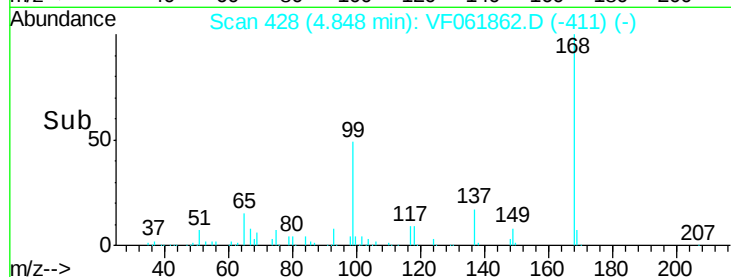
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.489 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061862.D

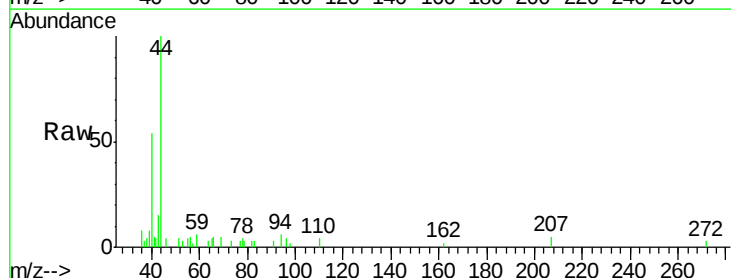
Acq: 8 Mar 2019 14:43

Tgt Ion: 59 Resp: 464

Ion Ratio Lower Upper

59 100

57 35.9 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

400

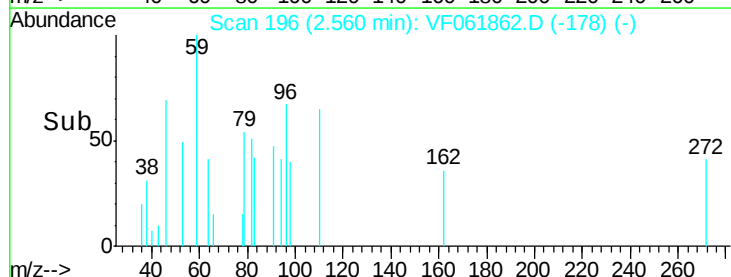
300

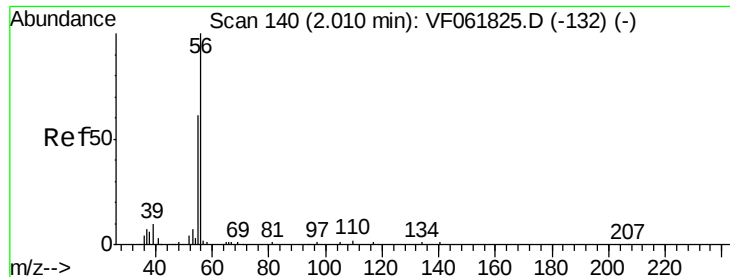
200

100

0

Time-->





#13

Acrolein

Concen: 2.546 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.16 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampled :

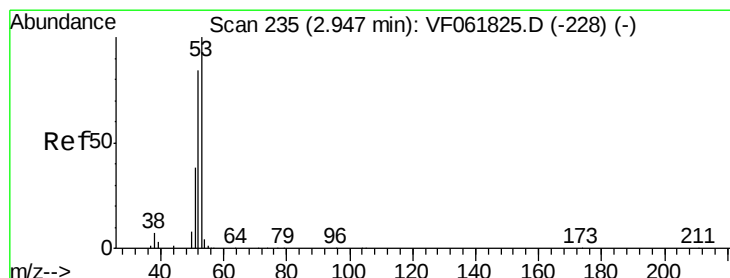
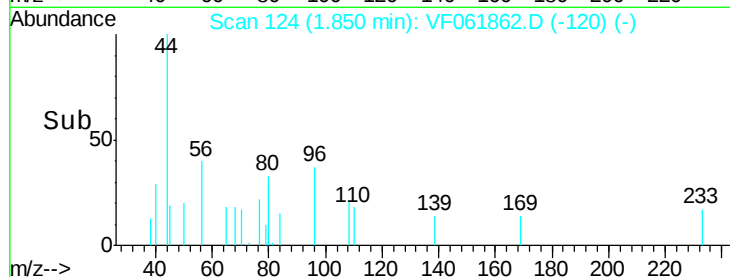
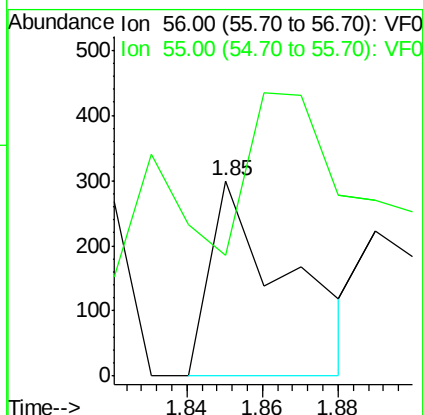
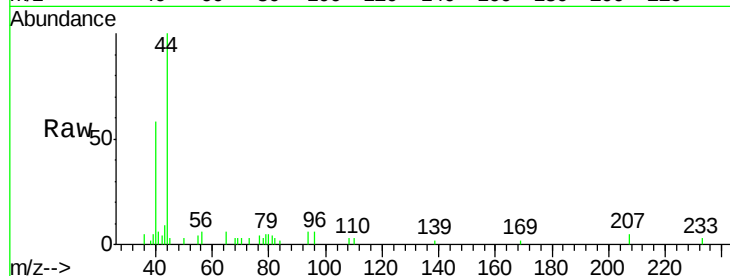
VF0308SBL01

Tot Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 61.7 51.3 76.9



#15

Acrylonitrile

Concen: 3.950 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

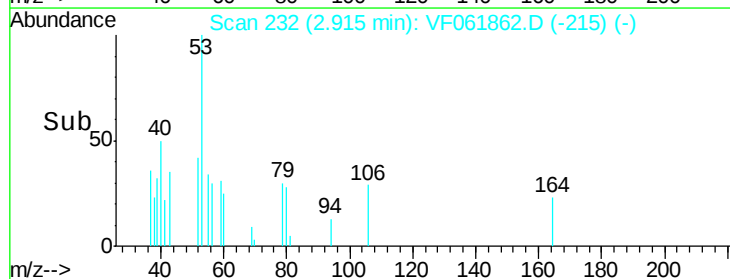
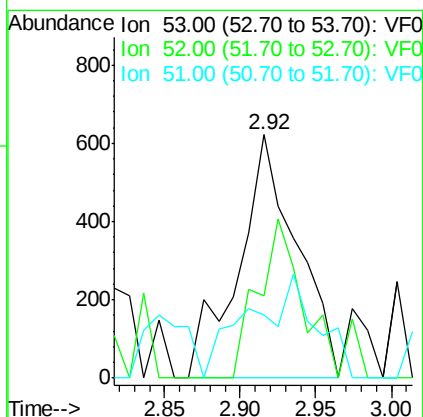
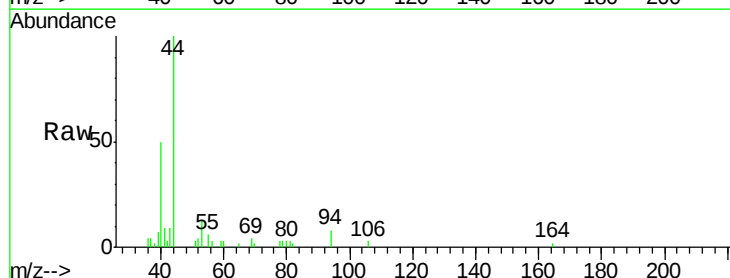
Tgt Ion: 53 Resp: 1673

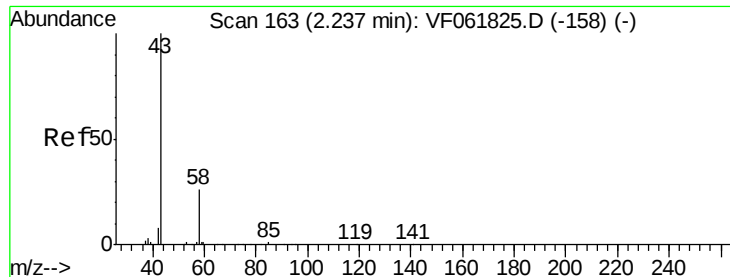
Ion Ratio Lower Upper

53 100

52 33.6 67.4 101.0#

51 26.0 30.7 46.1#





#16

Acetone

Concen: 5.839 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

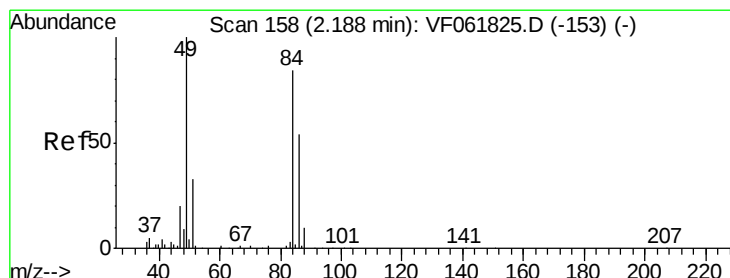
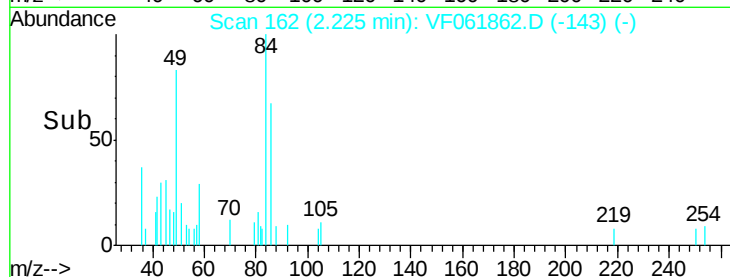
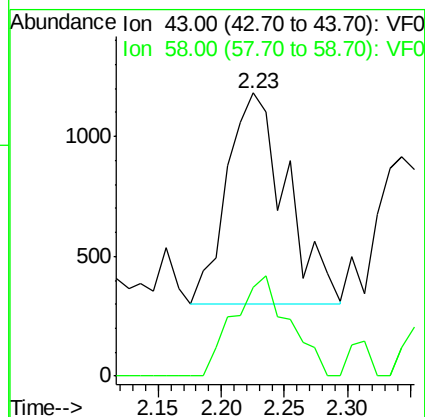
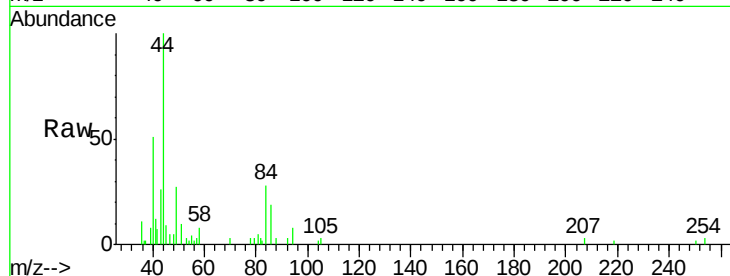
VF0308SBL01

Tot Ion: 43 Resp: 2866

Ion Ratio Lower Upper

43 100

58 31.5 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Tgt Ion: 84 Resp: 4160

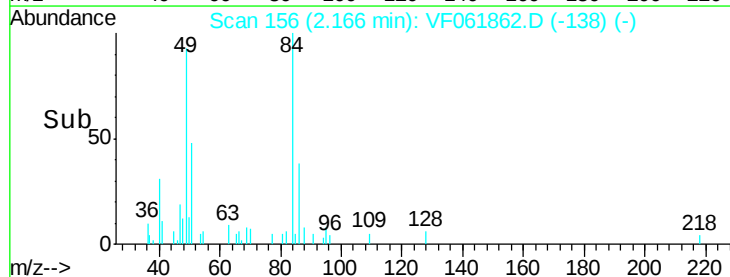
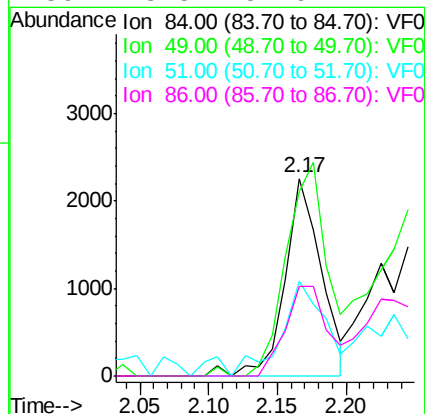
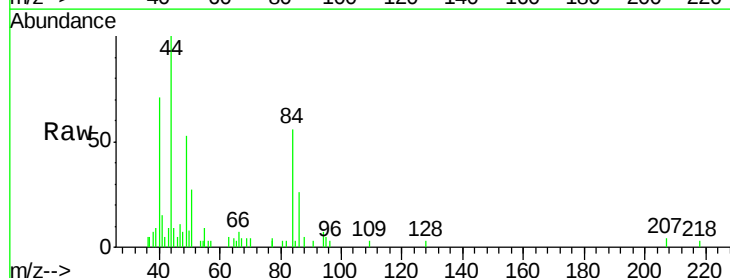
Ion Ratio Lower Upper

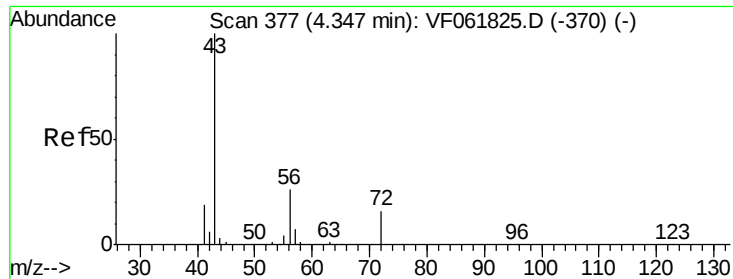
84 100

49 93.3 96.8 145.2#

51 48.0 31.8 47.6#

86 45.5 51.6 77.4#





#25

2-Butanone

Concen: 2.966 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

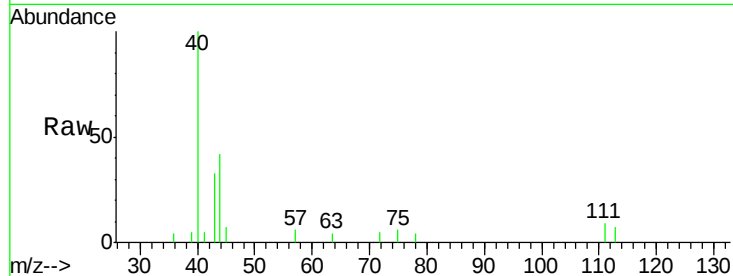
VF0308SBL01

Tot Ion: 43 Resp: 2961

Ion Ratio Lower Upper

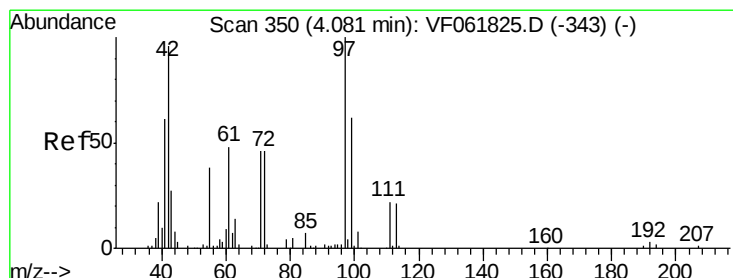
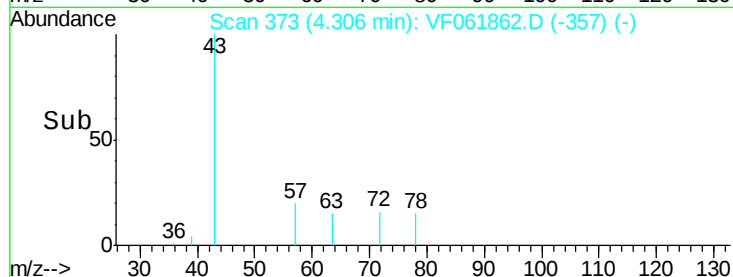
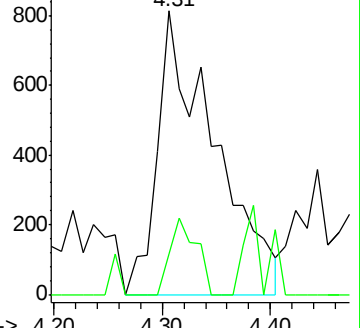
43 100

72 14.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 1.997 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

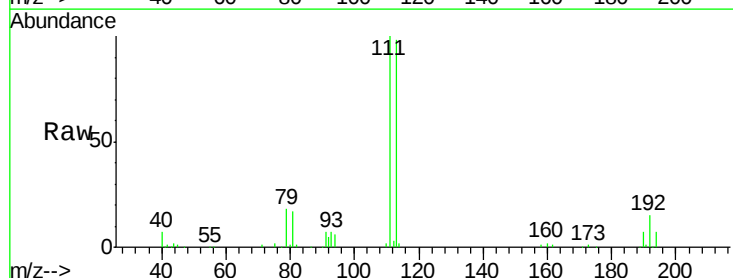
Tgt Ion: 42 Resp: 860

Ion Ratio Lower Upper

42 100

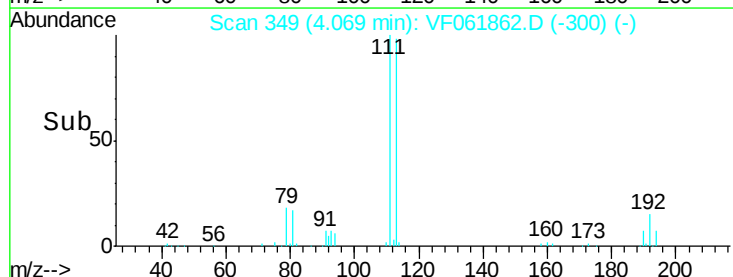
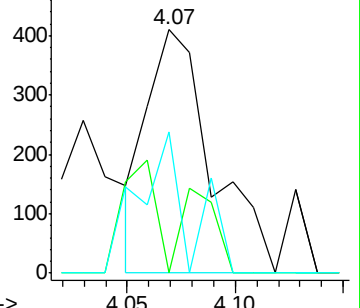
72 23.6 34.4 51.6#

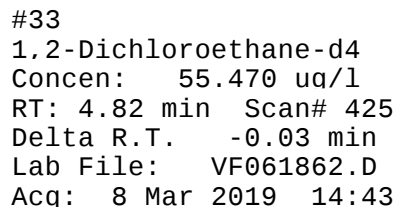
71 45.2 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

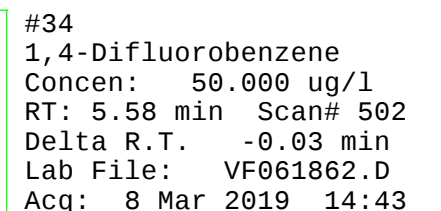
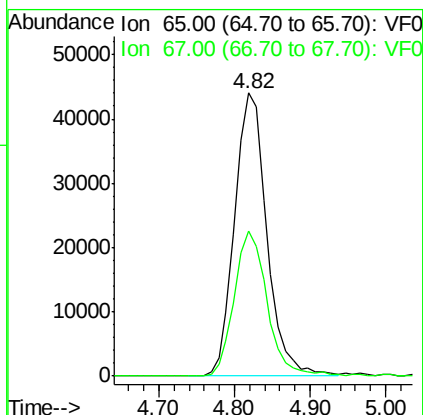
Ion 72.00 (71.70 to 72.70): VF0



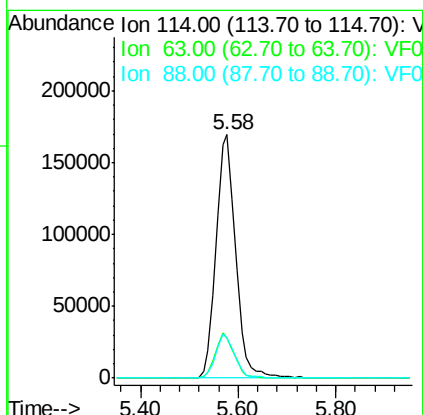


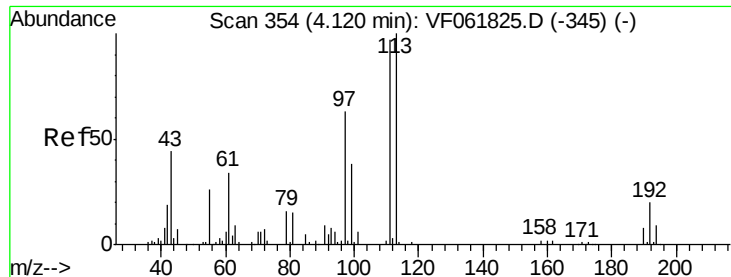
Instrument :
MSVOA_F
ClientSampleId :
VF0308SBL01

Tot	Ion: 65	Resp:	129984
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	108.6



Tgt	Ion:114	Resp:	476410
Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	35.6
88	16.3	0.0	35.6





#35

Dibromofluoromethane

Concen: 57.627 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBL01

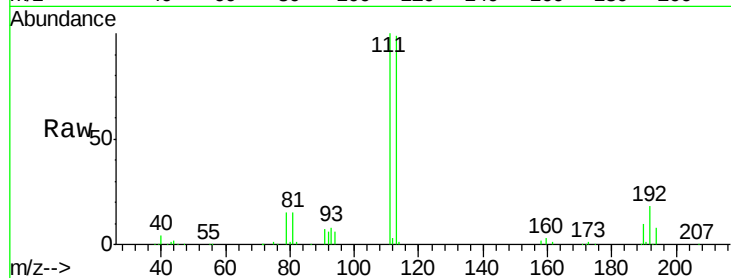
Tot Ion:113 Resp: 191594

Ion Ratio Lower Upper

113 100

111 101.4 77.6 116.4

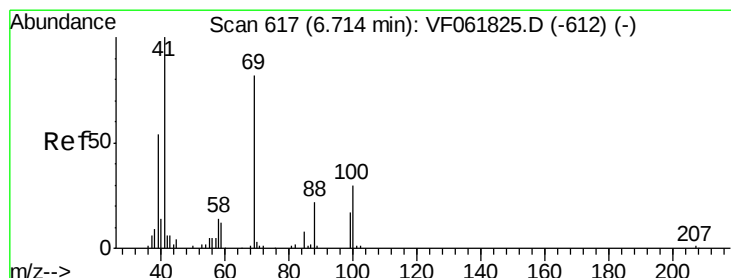
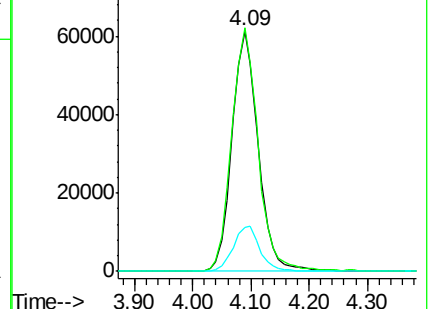
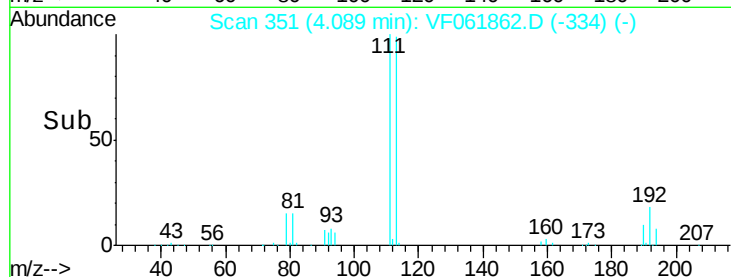
192 18.5 15.9 23.9



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: 4.900 ug/l

RT: 6.76 min Scan# 622

Delta R.T. 0.05 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

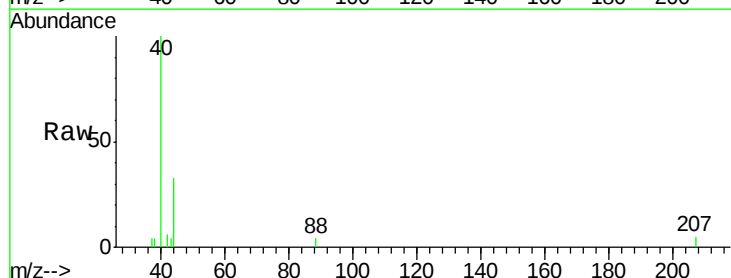
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 101.8 28.4 42.6#

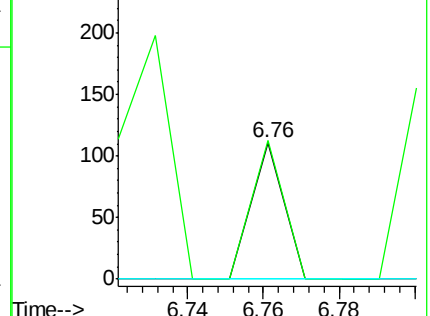
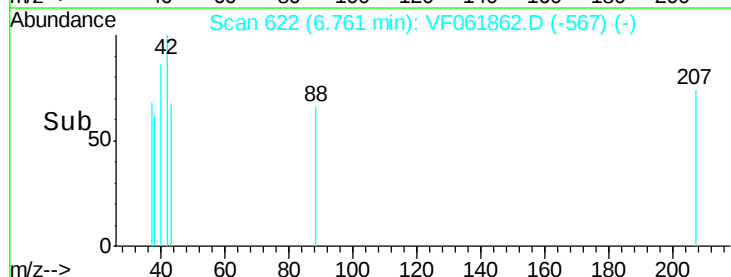
58 0.0 50.7 76.1#

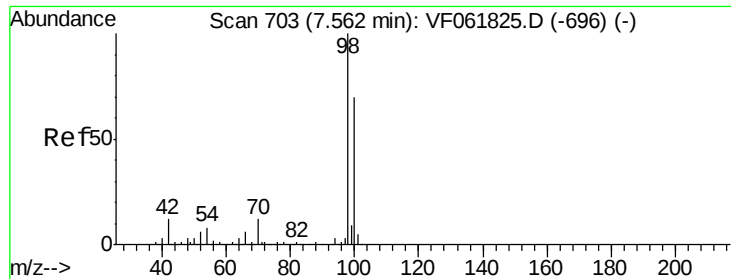


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

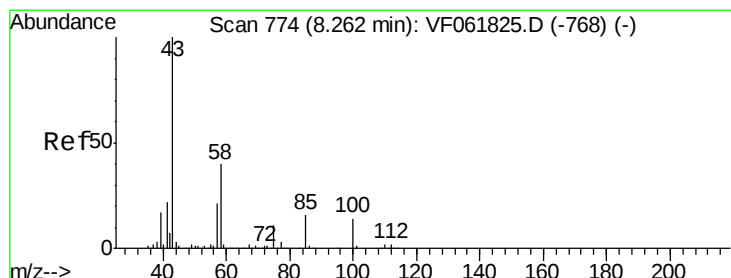
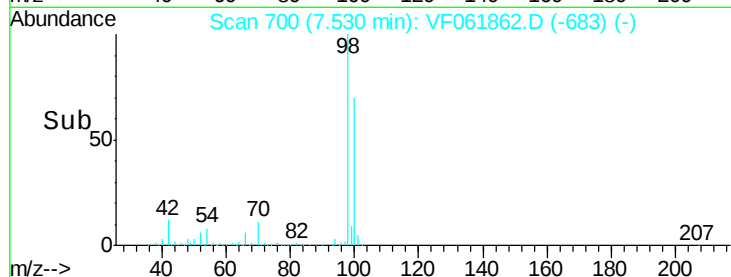
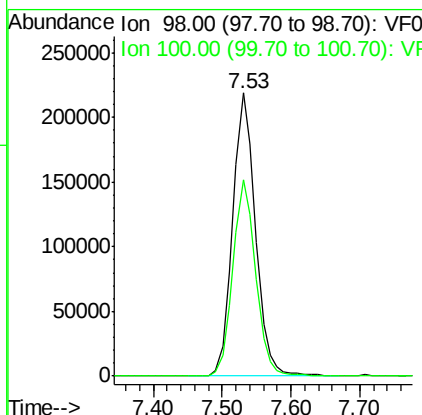
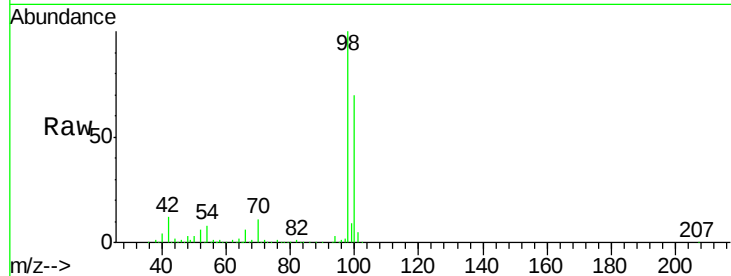




#50
Toluene-d8
Concen: 51.025 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

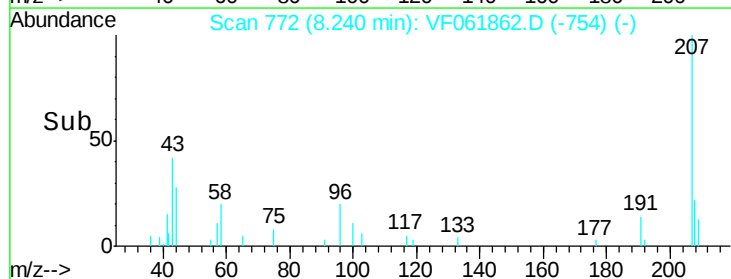
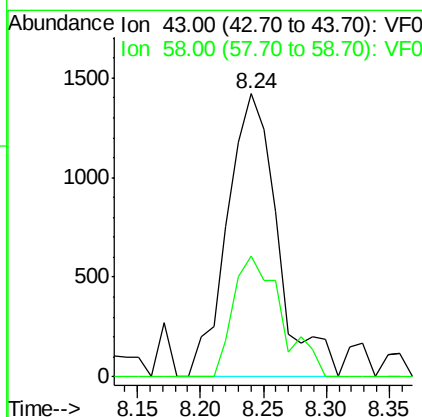
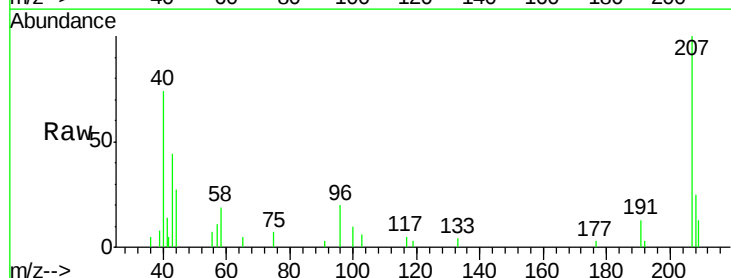
Instrument :
MSVOA_F
ClientSampleId :
VF0308SBL01

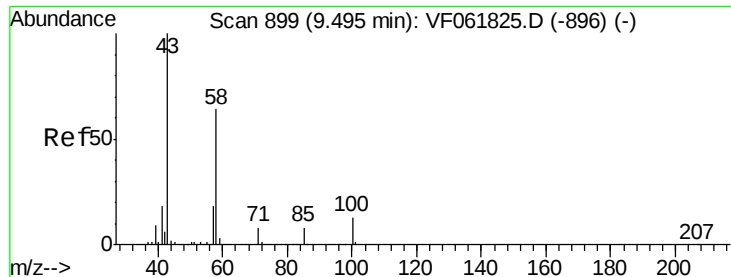
Tot Ion: 98 Resp: 504229
Ion Ratio Lower Upper
98 100
100 69.5 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 2.443 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

Tgt Ion: 43 Resp: 3931
Ion Ratio Lower Upper
43 100
58 42.8 31.8 47.8

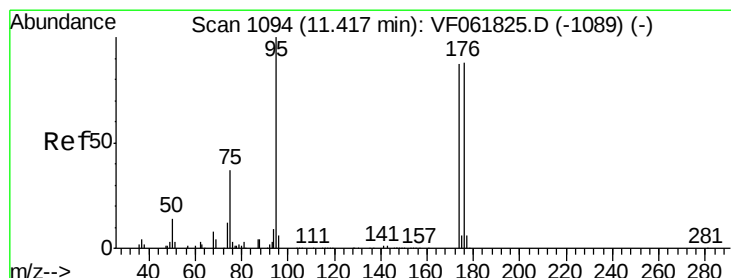
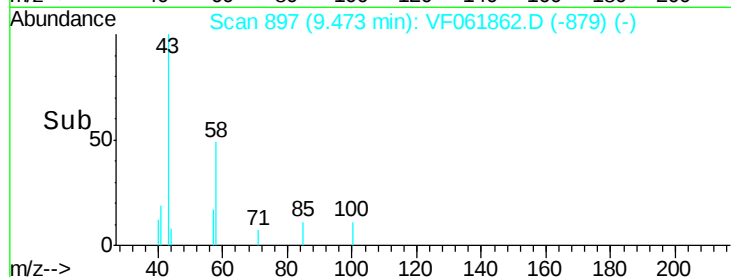
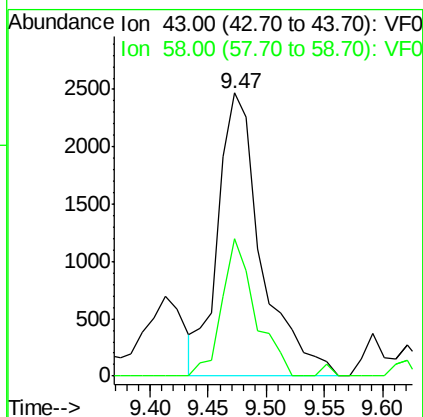
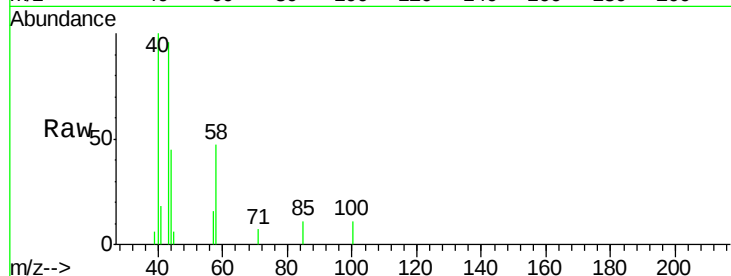




#59
2-Hexanone
Concen: 5.521 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

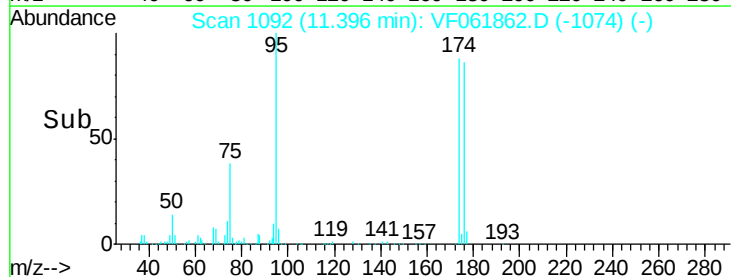
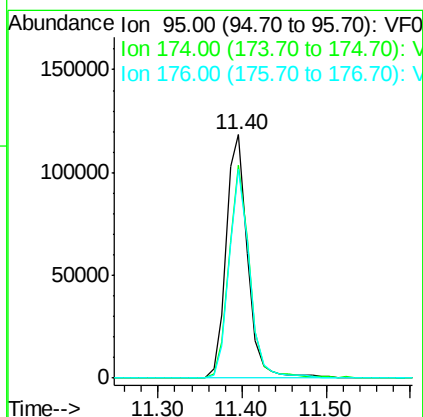
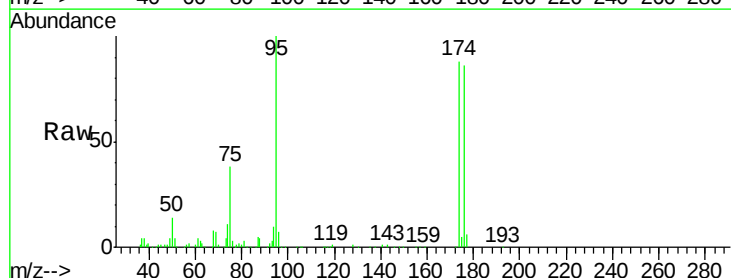
Instrument :
MSVOA_F
ClientSampleId :
VF0308SBL01

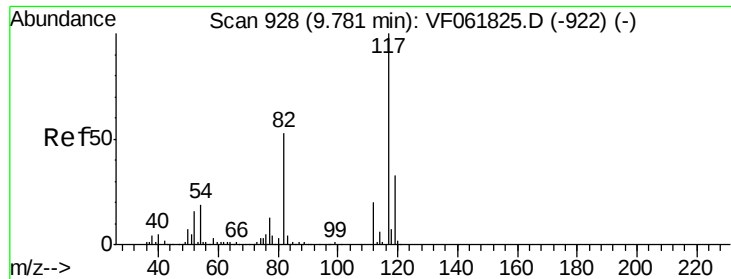
Tot Ion: 43 Resp: 6410
Ion Ratio Lower Upper
43 100
58 48.8 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 54.124 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

Tgt Ion: 95 Resp: 209516
Ion Ratio Lower Upper
95 100
174 87.6 0.0 174.0
176 86.0 0.0 175.2

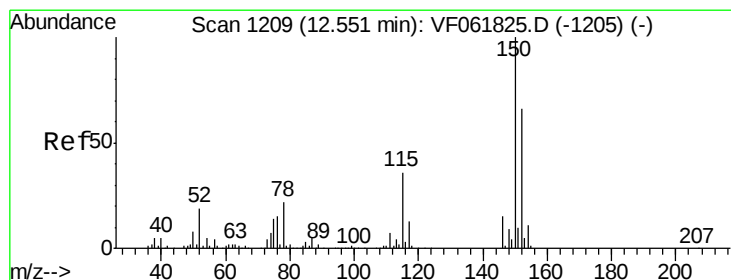
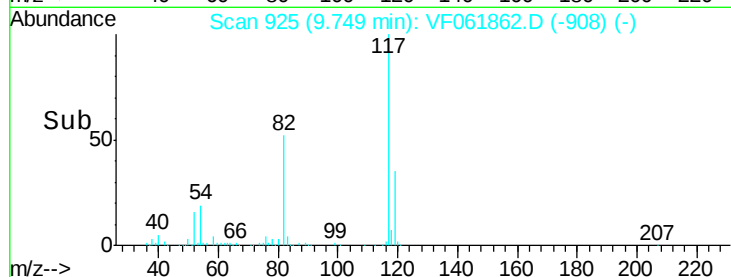
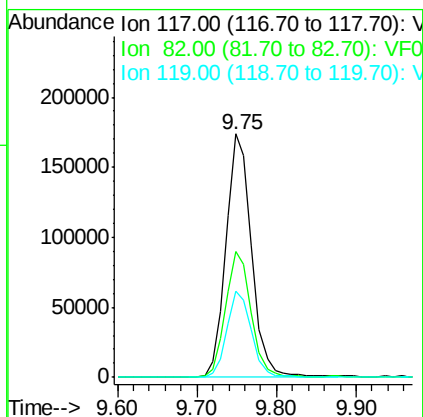
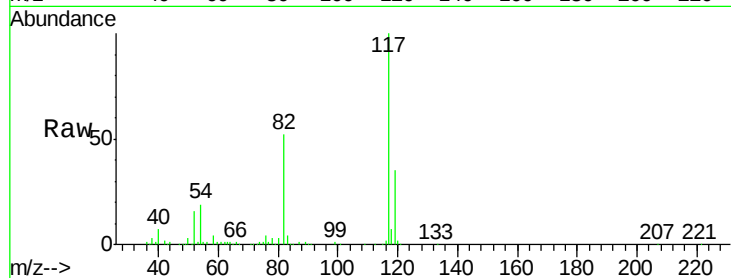




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

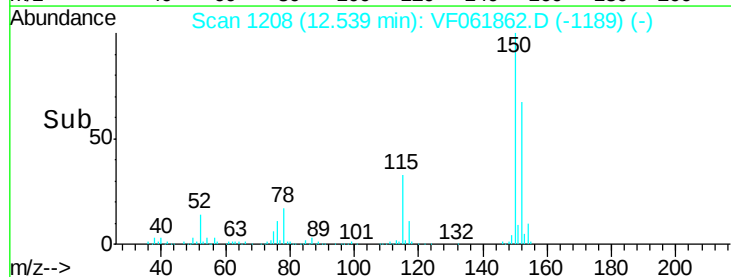
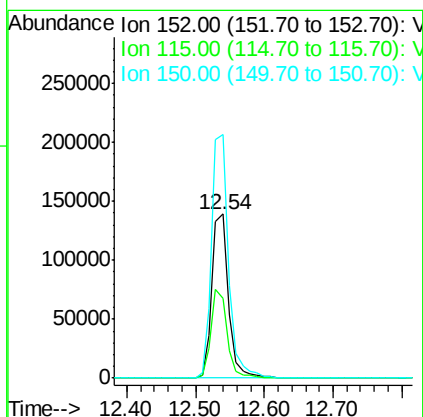
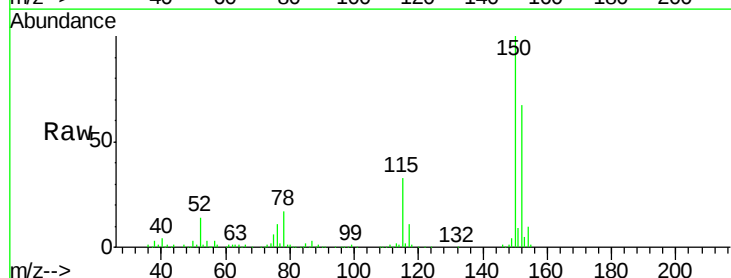
Instrument :
MSVOA_F
ClientSampleId :
VF0308SBL01

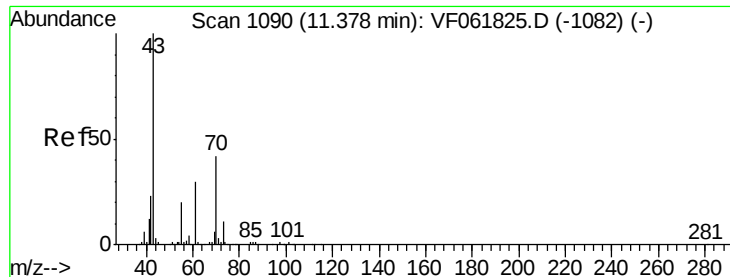
Tot Ion:117 Resp: 394973
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 35.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061862.D
Acq: 8 Mar 2019 14:43

Tgt Ion:152 Resp: 234512
Ion Ratio Lower Upper
152 100
115 48.8 27.7 83.1
150 148.5 0.0 304.2





#74

N-amvl acetate

Concen: 1.114 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBL01

Tot Ion: 43 Resp: 4142

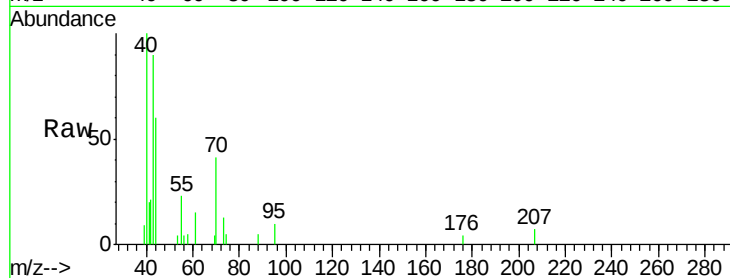
Ion Ratio Lower Upper

43 100

70 45.5 33.4 50.0

55 25.2 16.3 24.5#

61 16.3 24.0 36.0#

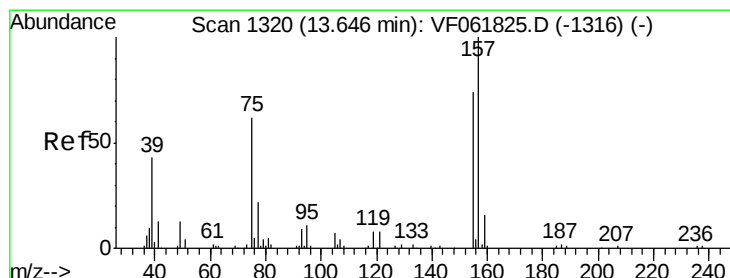
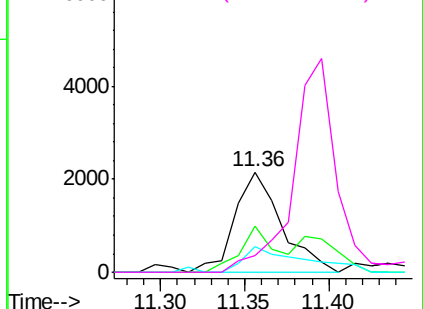
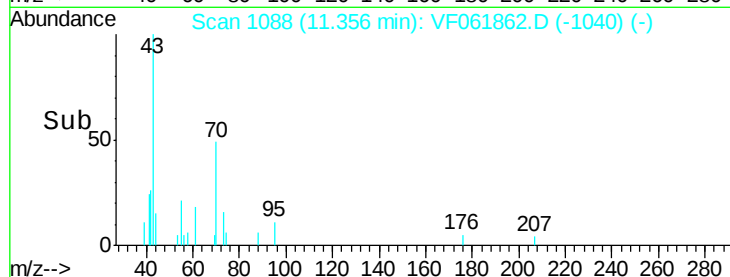


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.930 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

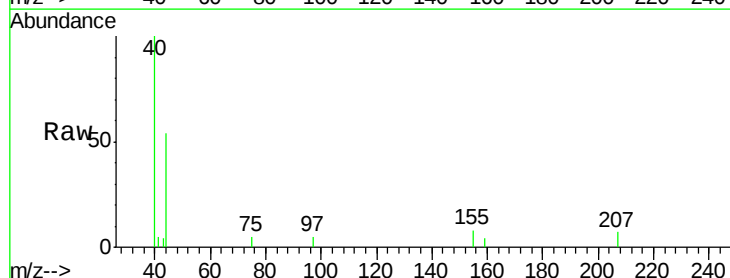
Tgt Ion: 75 Resp: 82

Ion Ratio Lower Upper

75 100

155 142.8 59.8 179.4

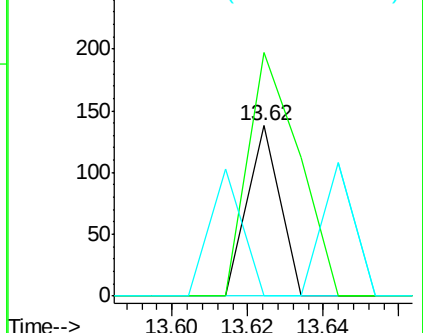
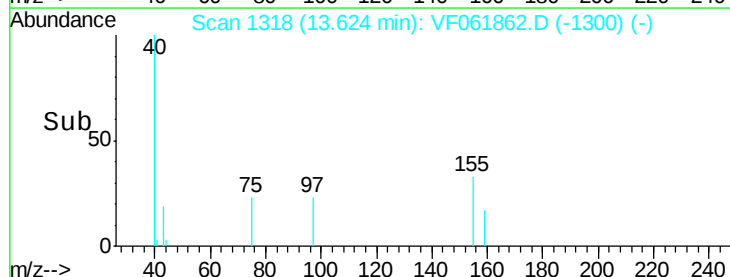
157 0.0 81.2 243.4#

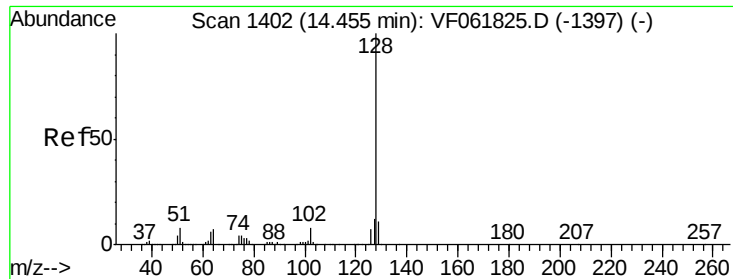


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 1.362 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061862.D

Acq: 8 Mar 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0308SBL01

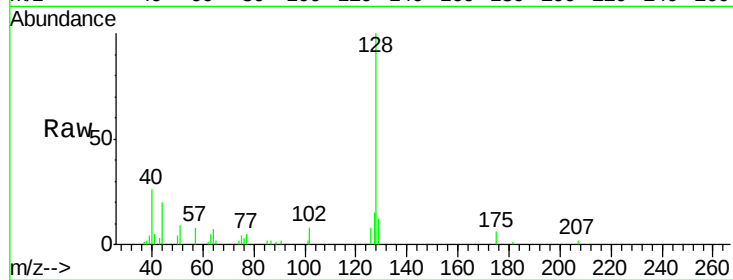
Tot Ion:128 Resp: 11887

Ion Ratio Lower Upper

128 100

127 15.2 9.3 13.9#

129 11.7 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

