

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061705.D
 Acq On : 22 Feb 2019 13:15
 Operator : VA/AP
 Sample : VF0222SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0222SBL01

Quant Time: Feb 23 01:38:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	341597	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	512691	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	424964	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	265023	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	138548	55.31	ug/l	-0.04
Spiked Amount			Recovery	=	110.62%	
35) Dibromofluoromethane	4.09	113	218021	57.26	ug/l	-0.03
Spiked Amount			Recovery	=	114.52%	
50) Toluene-d8	7.53	98	567781	51.88	ug/l	-0.03
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.40	95	239429	54.07	ug/l	-0.02
Spiked Amount			Recovery	=	108.14%	

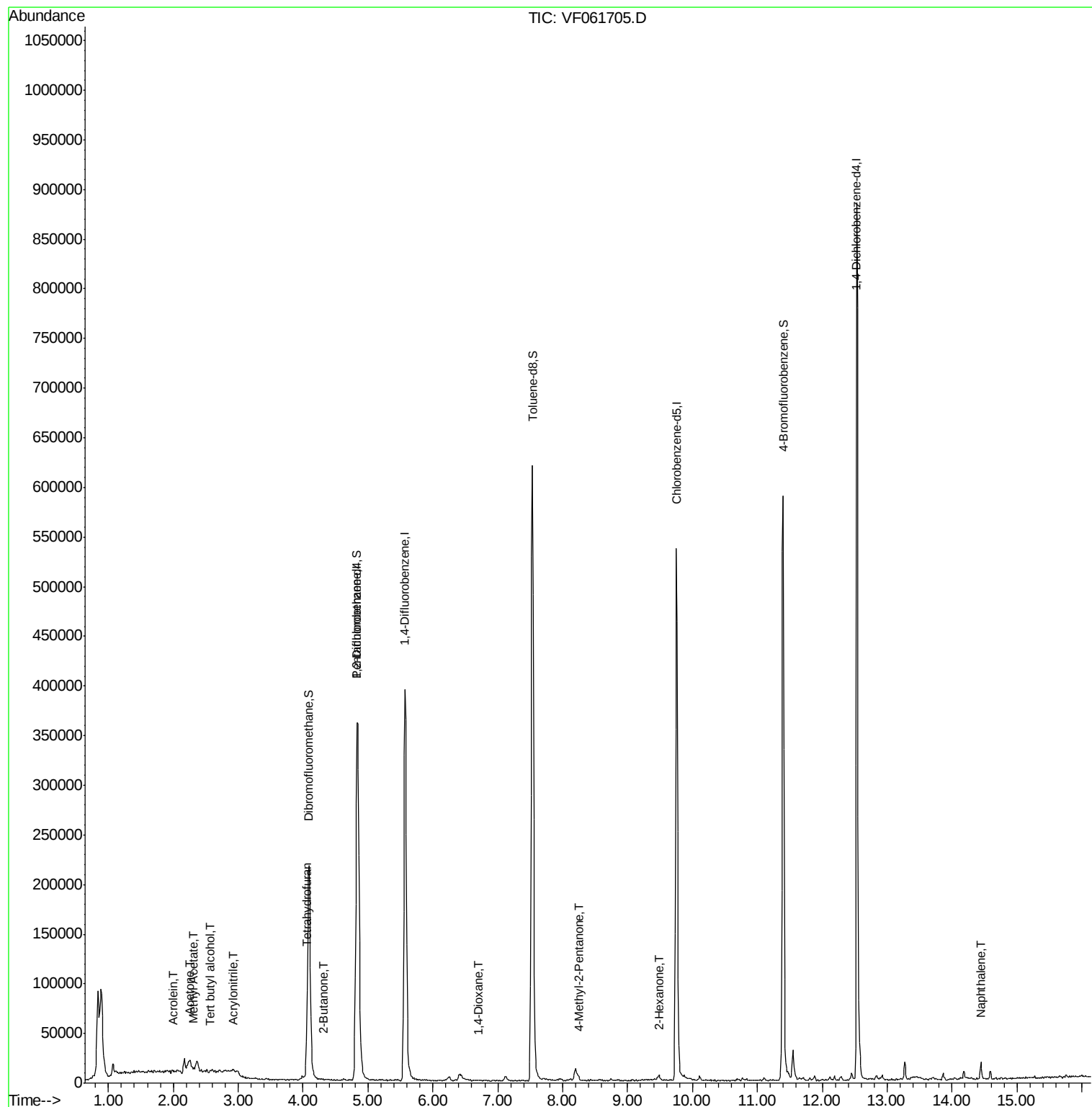
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	228	1.573	ug/l #	23
13) Acrolein	1.98	56	717	3.935	ug/l	94
15) Acrylonitrile	2.92	53	1389	2.701	ug/l #	76
16) Acetone	2.25	43	4063	7.560	ug/l #	46
18) Methyl Acetate	2.32	43	1396	1.153	ug/l #	59
20) Methylene Chloride	2.17	84	6056	Below Cal		95
25) 2-Butanone	4.31	43	1988	1.693	ug/l #	55
29) Tetrahydrofuran	4.05	42	2125	3.983	ug/l #	80
49) 1,4-Dioxane	6.69	88	67	4.241	ug/l #	2
51) 4-Methyl-2-Pentanone	8.25	43	3320	1.664	ug/l #	73
59) 2-Hexanone	9.48	43	5008	3.581	ug/l	71
95) Naphthalene	14.45	128	12382	1.142	ug/l #	87

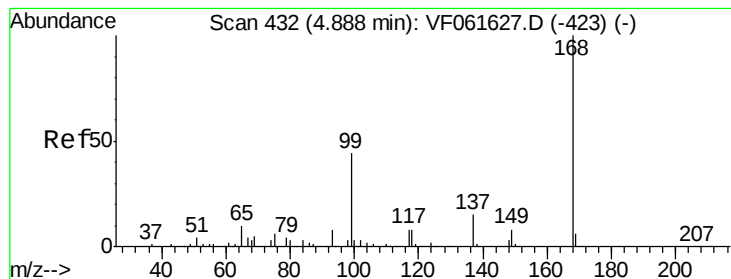
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.05 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

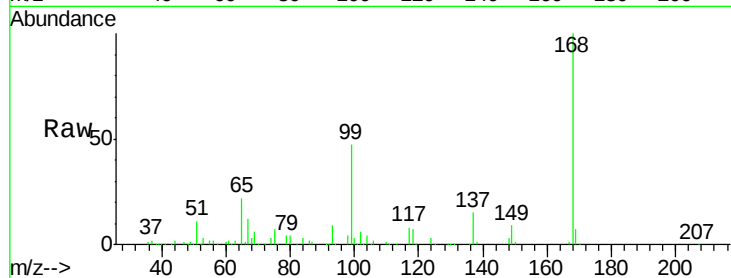
VF0222SBL01

Tot Ion:168 Resp: 341597

Ion Ratio Lower Upper

168 100

99 46.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

120000

100000

80000

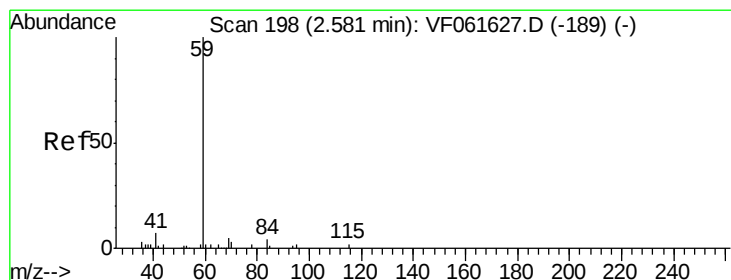
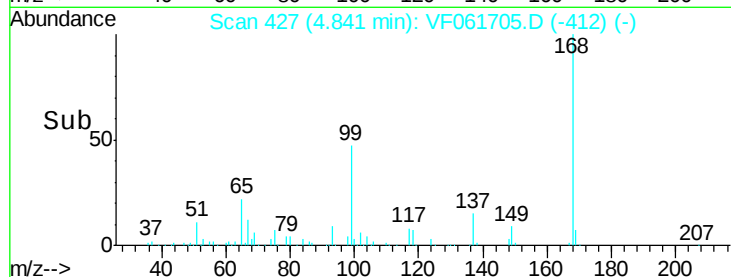
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.573 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061705.D

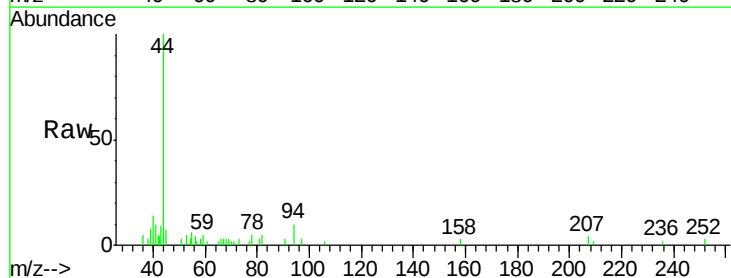
Acq: 22 Feb 2019 13:15

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 48.2 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

300

250

200

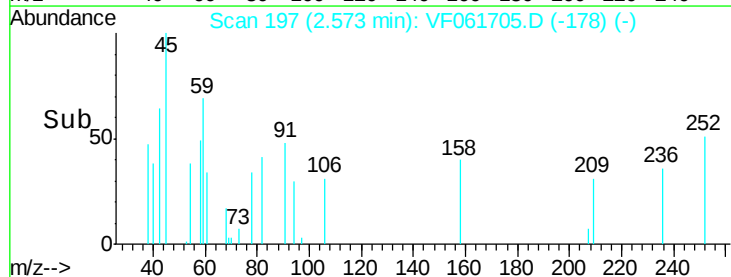
150

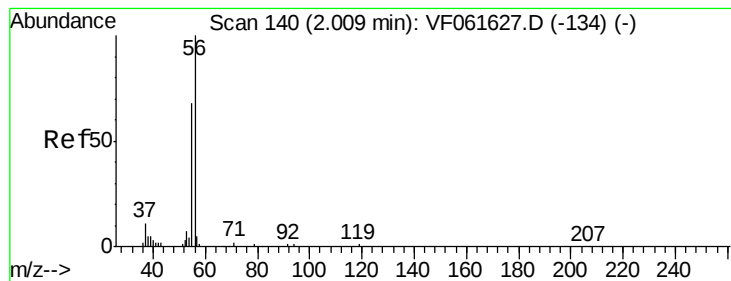
100

50

0

Time-->





#13

Acrolein

Concen: 3.935 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

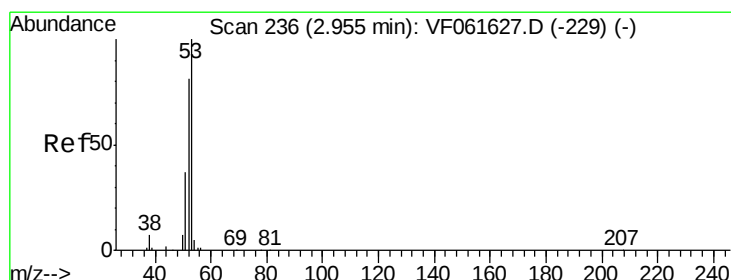
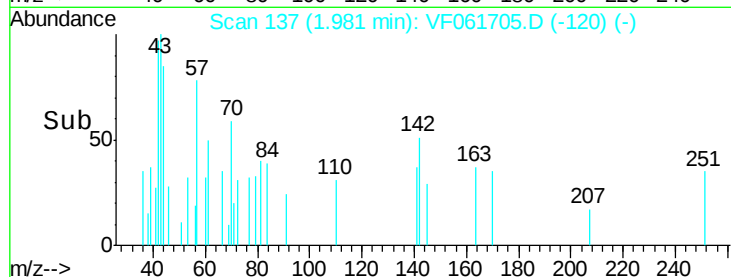
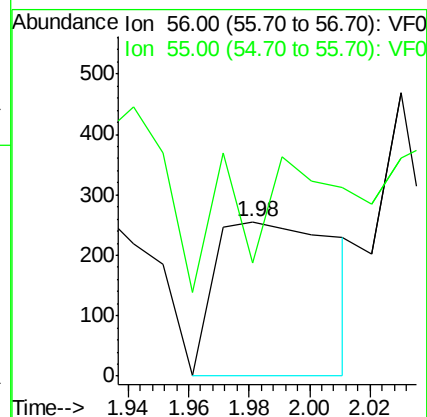
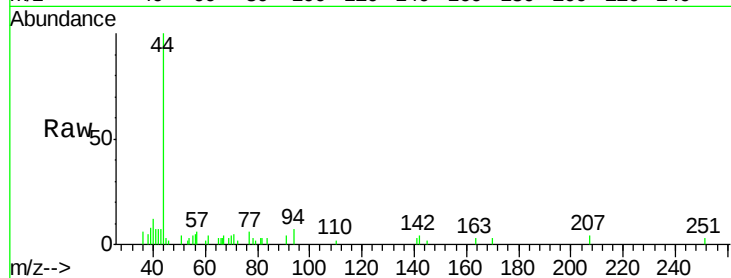
VF0222SBL01

Tot Ion: 56 Resp: 717

Ion Ratio Lower Upper

56 100

55 73.4 55.0 82.6



#15

Acrylonitrile

Concen: 2.701 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

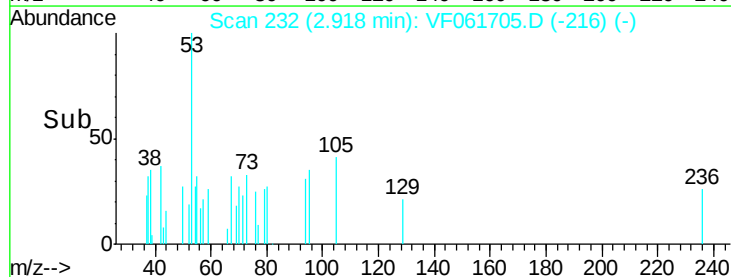
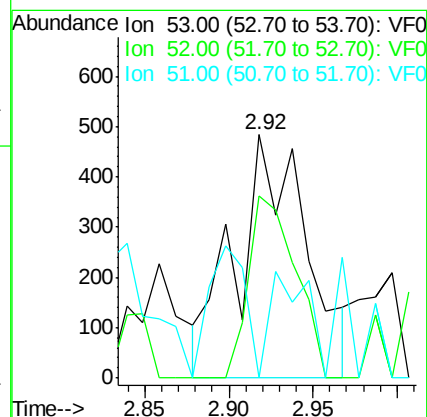
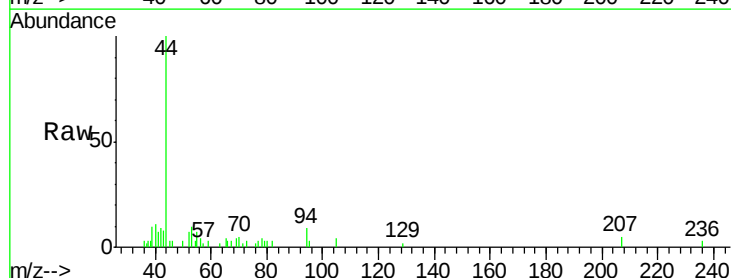
Tgt Ion: 53 Resp: 1389

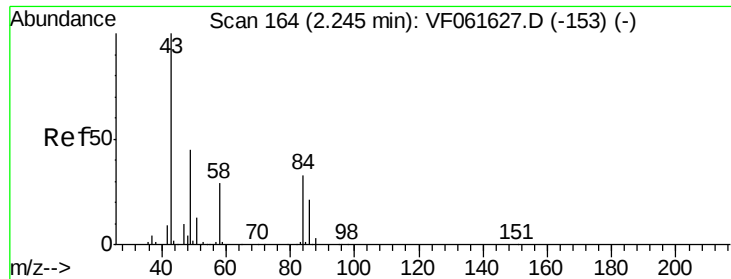
Ion Ratio Lower Upper

53 100

52 74.6 64.6 97.0

51 0.0 29.8 44.8#





#16

Acetone

Concen: 7.560 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

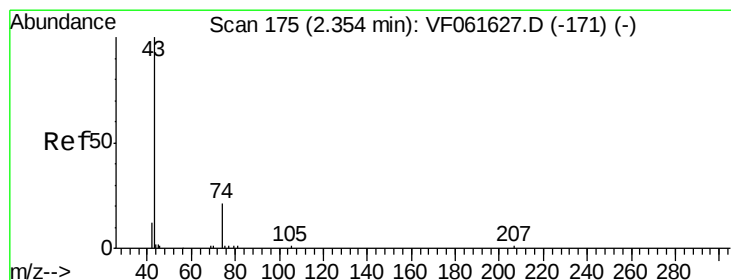
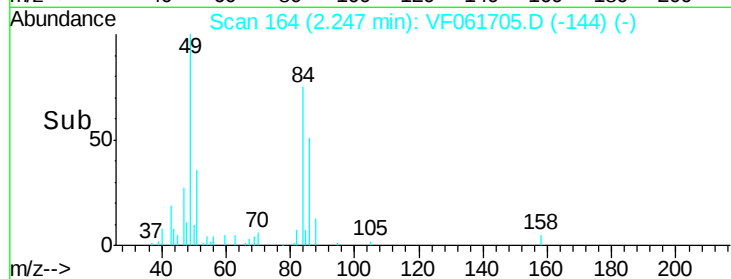
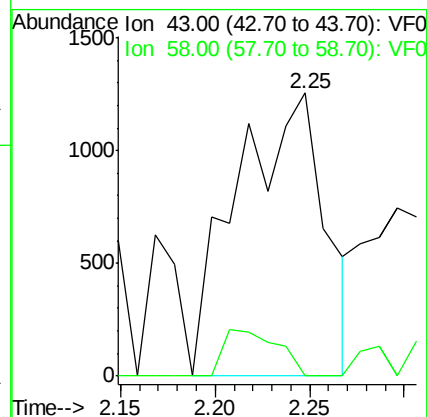
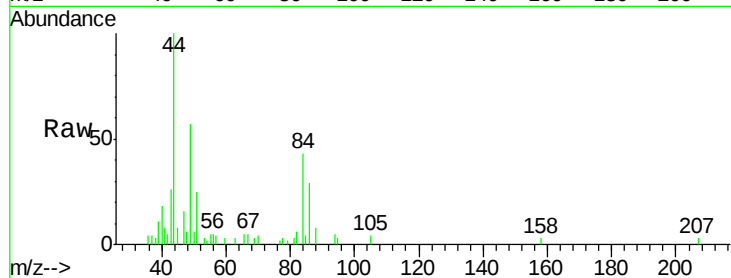
VF0222SBL01

Tot Ion: 43 Resp: 4063

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#18

Methyl Acetate

Concen: 1.153 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.04 min

Lab File: VF061705.D

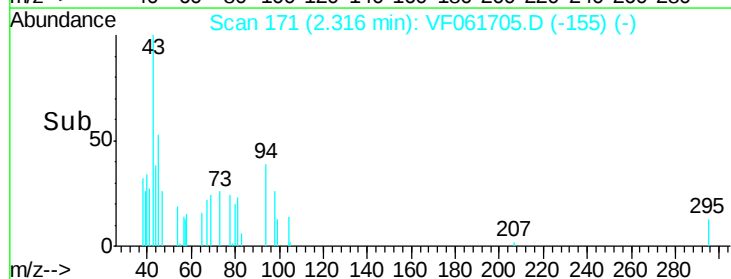
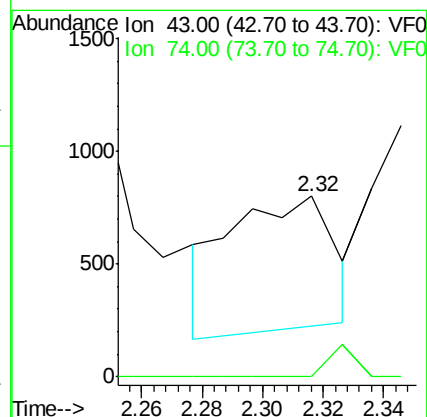
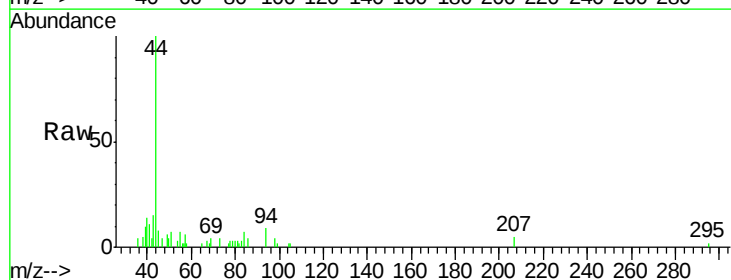
Acq: 22 Feb 2019 13:15

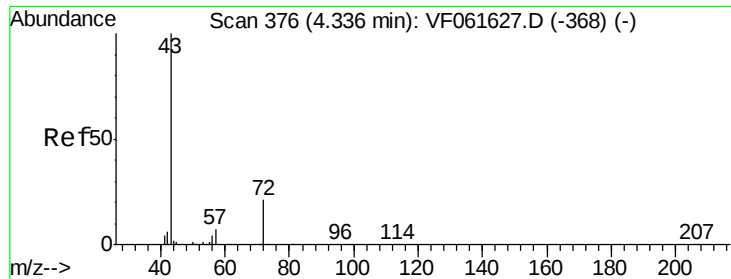
Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

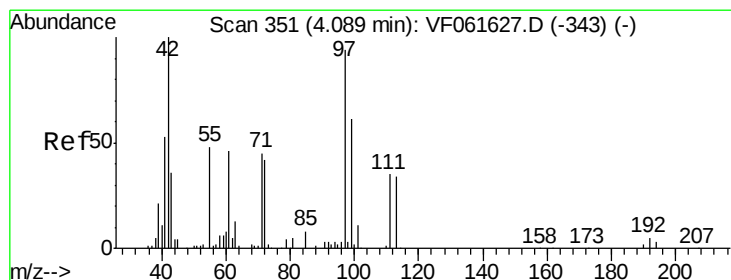
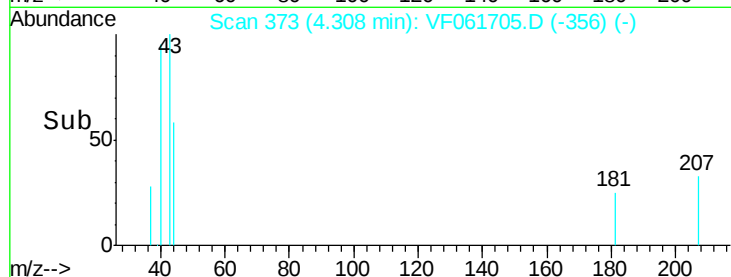
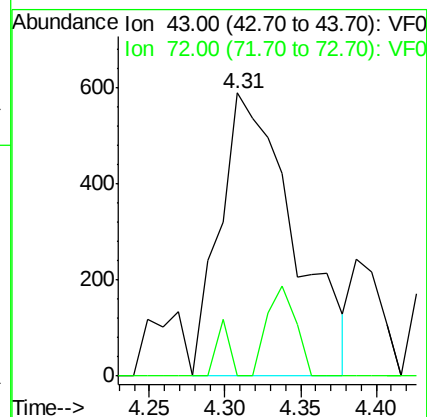
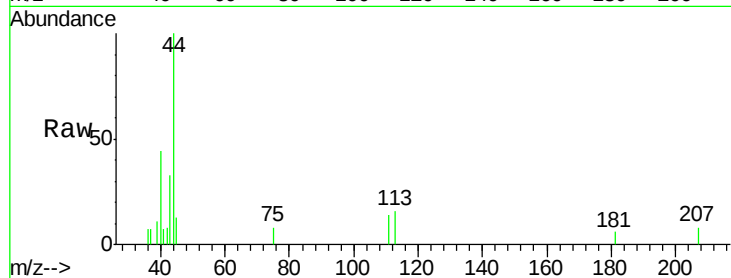




#25
2-Butanone
Concen: 1.693 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.03 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

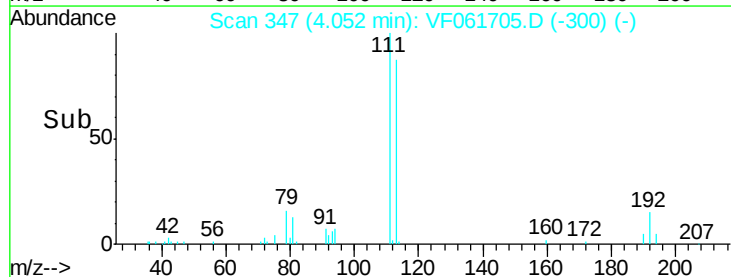
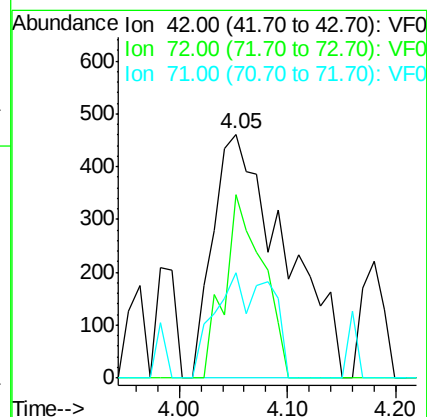
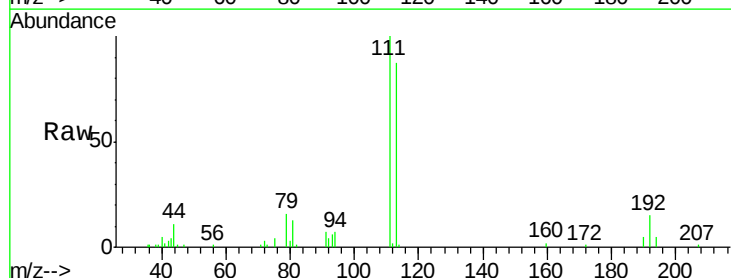
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBL01

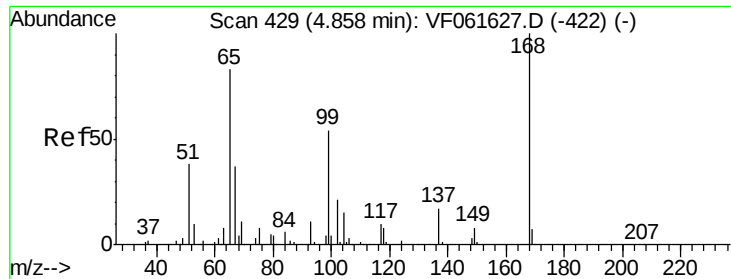
Tot Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#



#29
Tetrahydrofuran
Concen: 3.983 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.04 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

Tgt Ion: 42 Resp: 2125
Ion Ratio Lower Upper
42 100
72 40.5 35.2 52.8
71 19.4 32.9 49.3#





#33

1,2-Dichloroethane-d4

Concen: 55.309 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

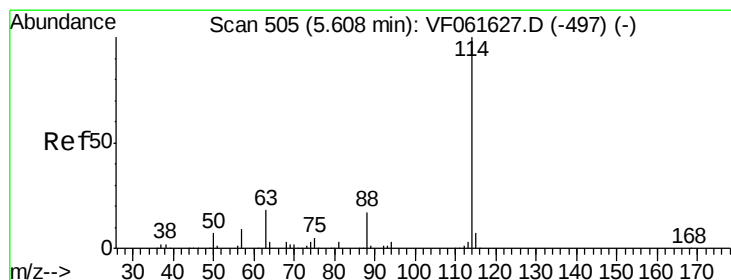
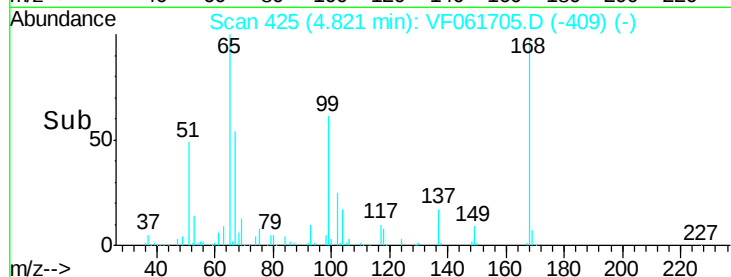
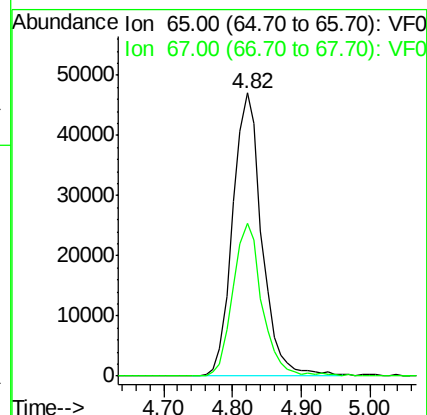
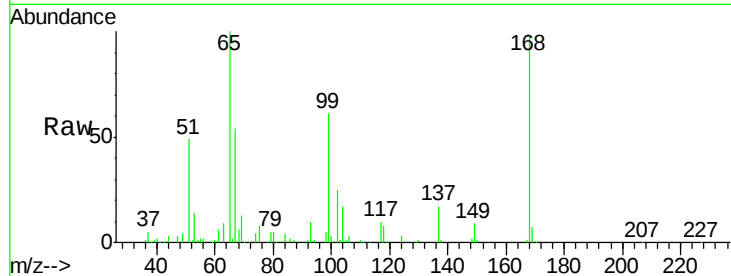
VF0222SBL01

Tot Ion: 65 Resp: 138548

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

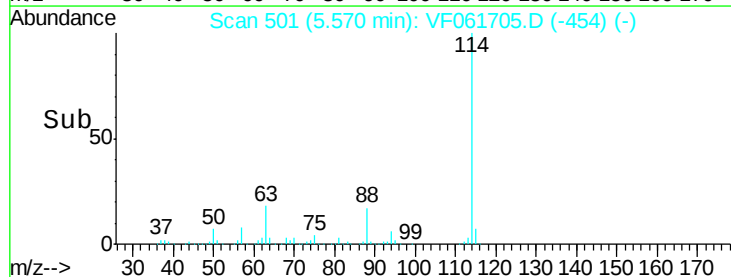
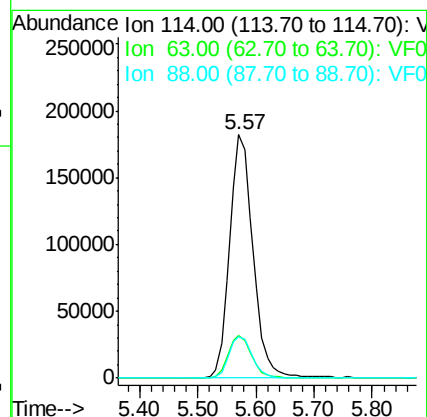
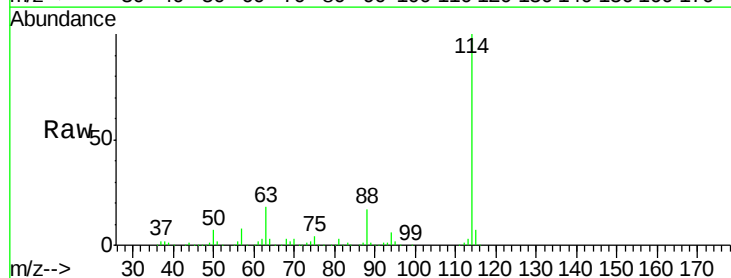
Tgt Ion: 114 Resp: 512691

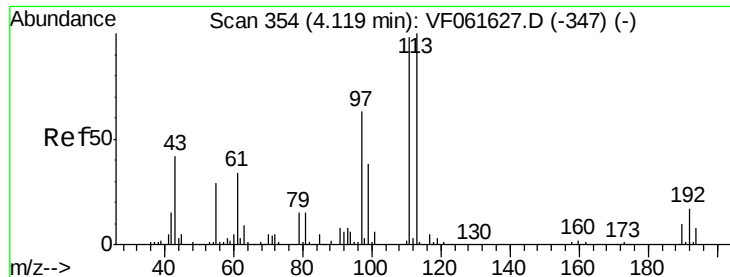
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 57.264 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBL01

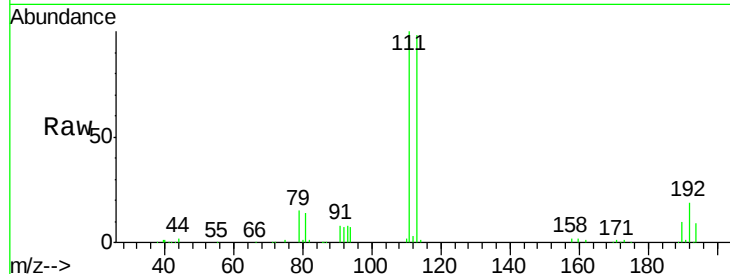
Tot Ion:113 Resp: 218021

Ion Ratio Lower Upper

113 100

111 102.3 78.8 118.2

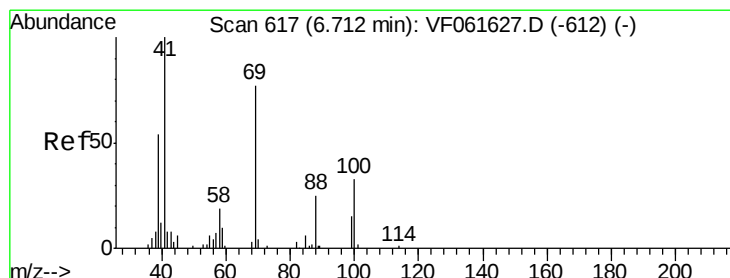
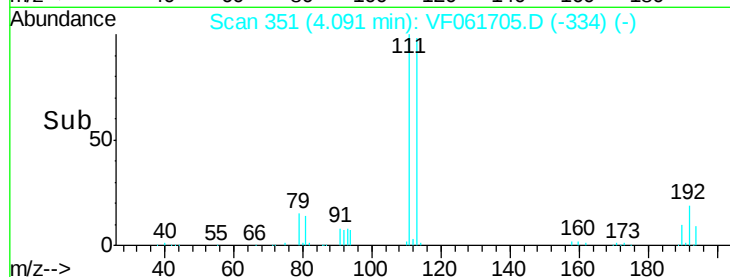
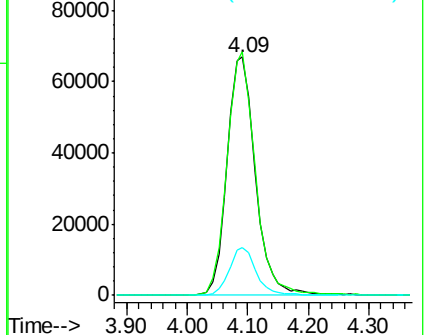
192 19.9 13.4 20.0



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: 4.241 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

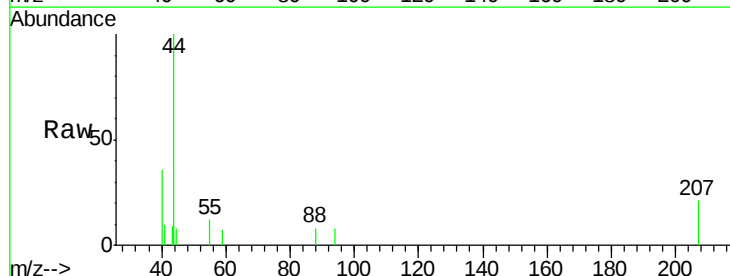
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 113.3 32.3 48.5#

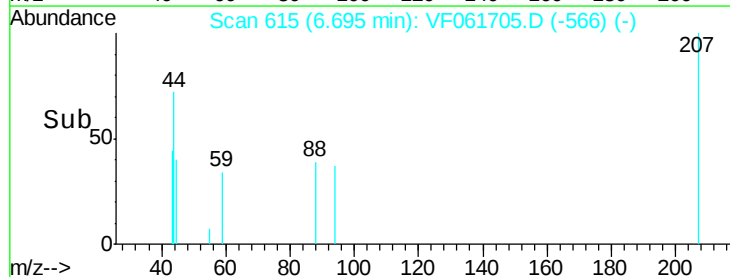
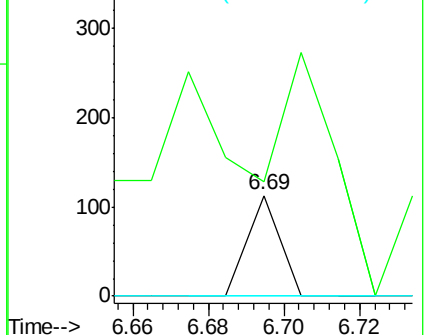
58 0.0 59.4 89.2#

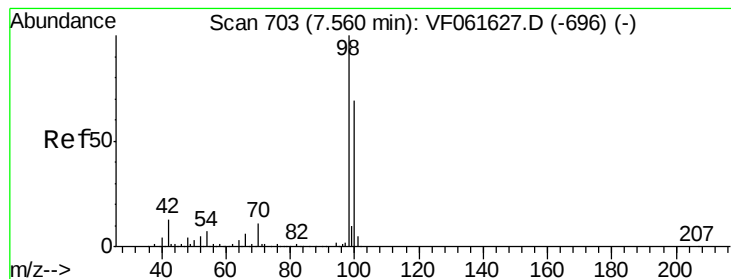


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 51.877 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

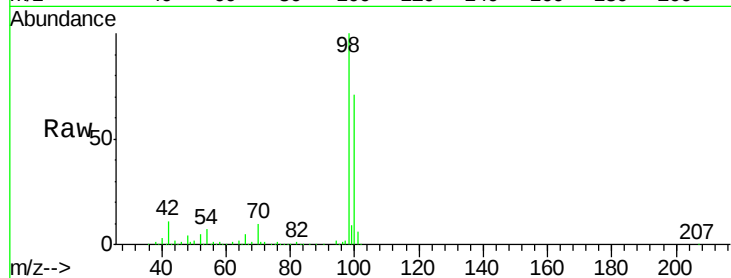
VF0222SBL01

Tot Ion: 98 Resp: 567781

Ion Ratio Lower Upper

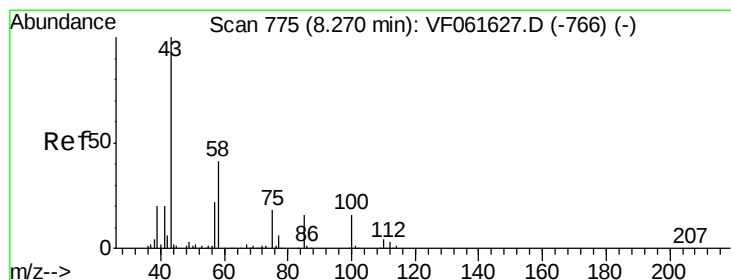
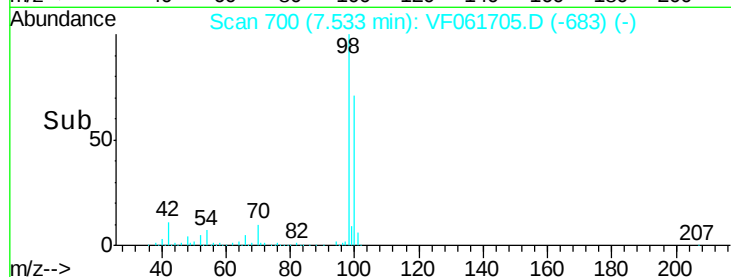
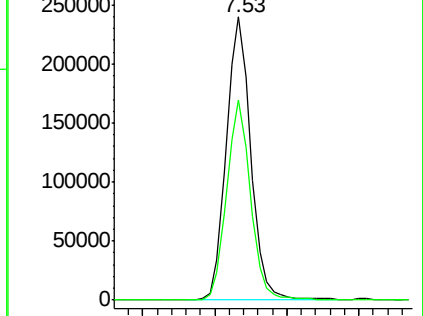
98 100

100 70.5 55.4 83.2



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: 1.664 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061705.D

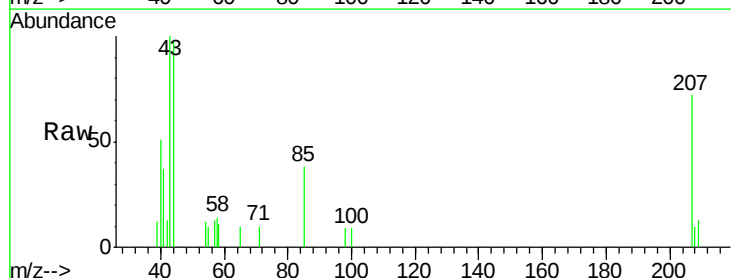
Acq: 22 Feb 2019 13:15

Tgt Ion: 43 Resp: 3320

Ion Ratio Lower Upper

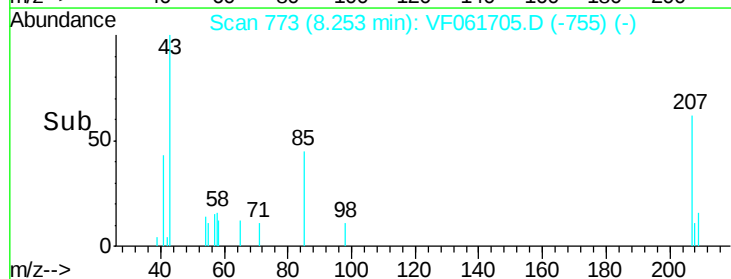
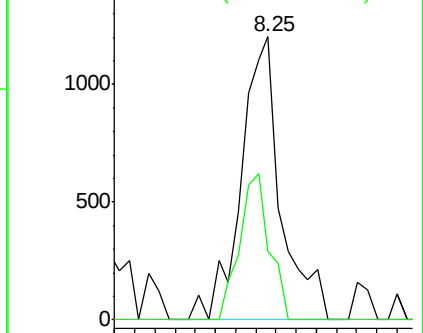
43 100

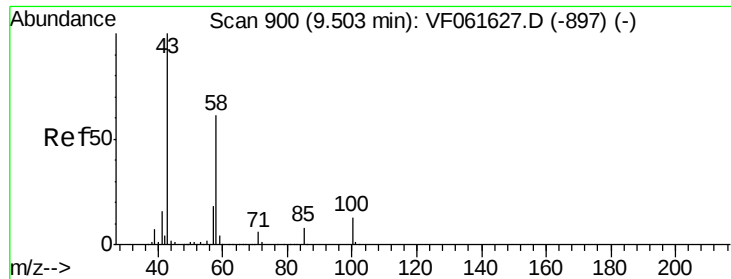
58 24.3 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

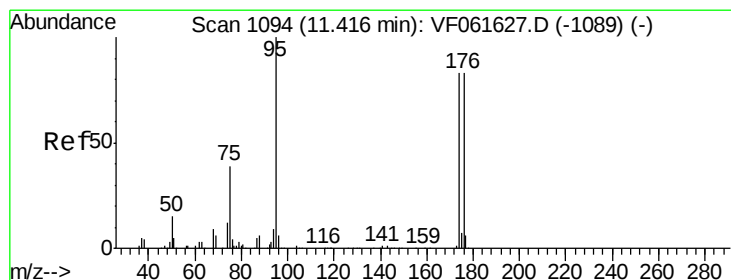
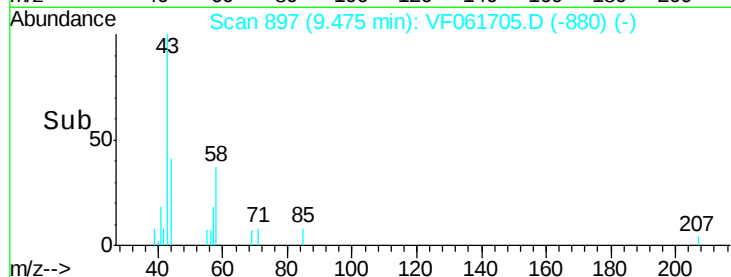
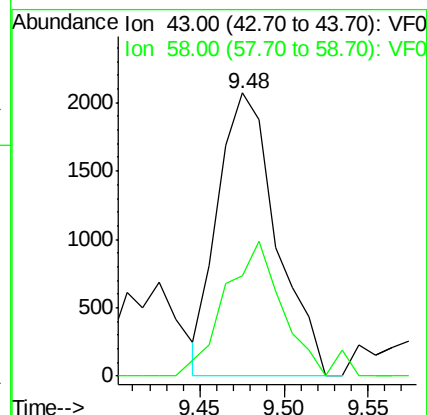
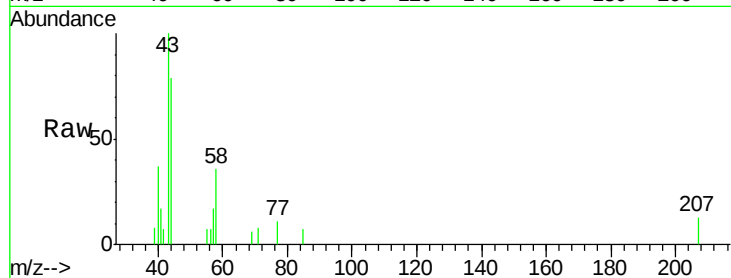




#59
2-Hexanone
Concen: 3.581 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

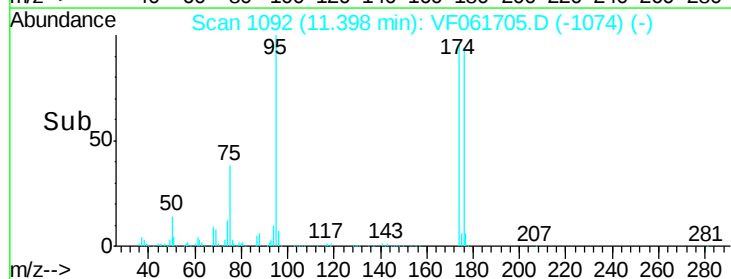
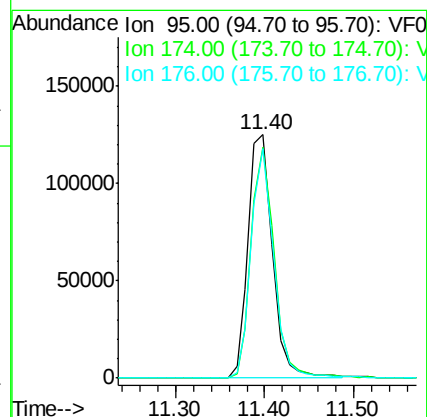
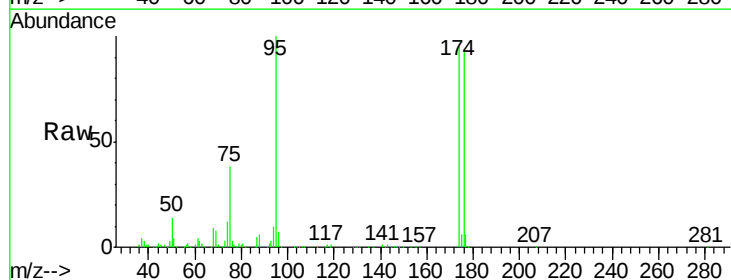
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBL01

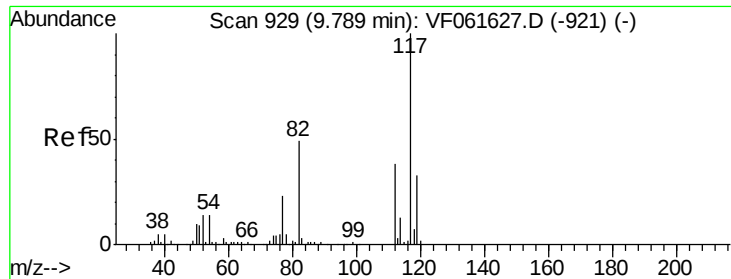
Tot Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
58 35.5 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 54.066 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

Tgt Ion: 95 Resp: 239429
Ion Ratio Lower Upper
95 100
174 94.9 0.0 165.8
176 94.2 0.0 167.0

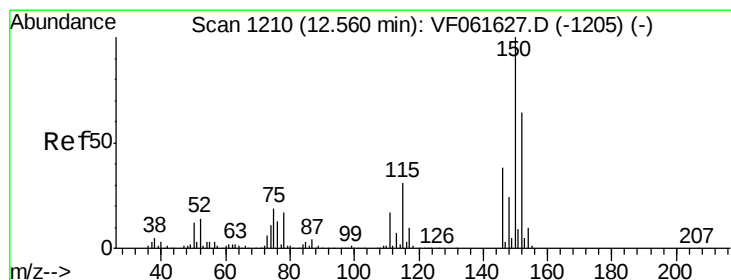
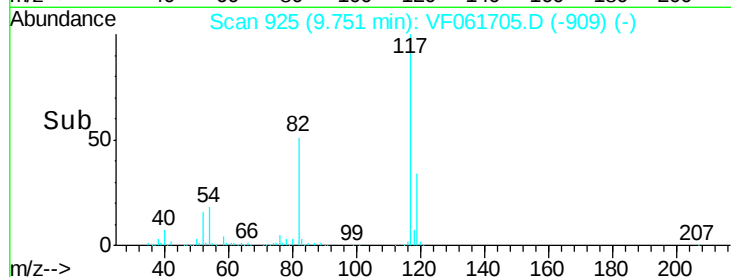
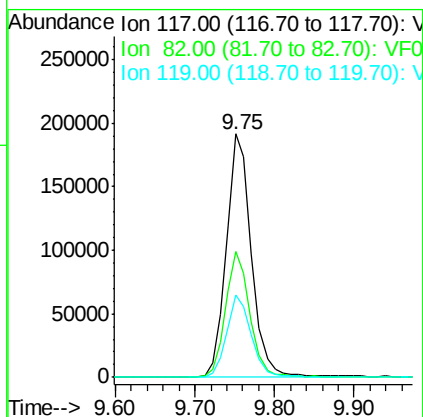
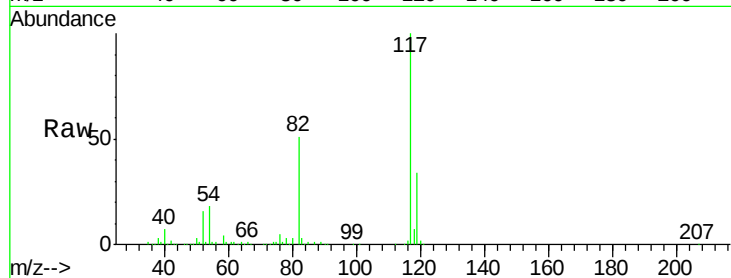




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

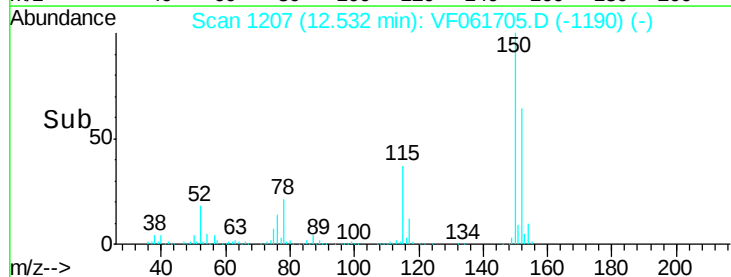
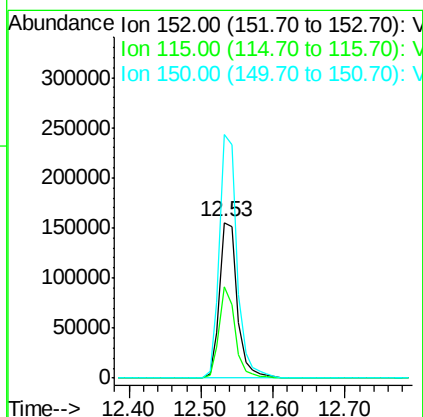
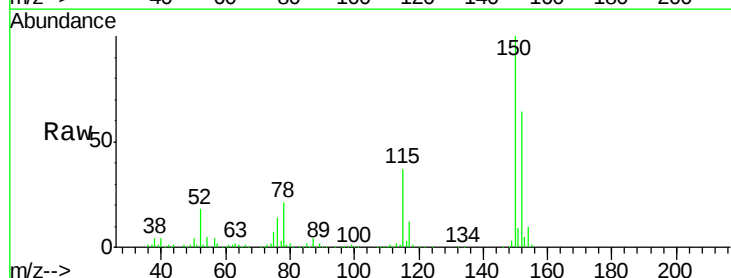
Instrument :
MSVOA_F
ClientSampleId :
VF0222SBL01

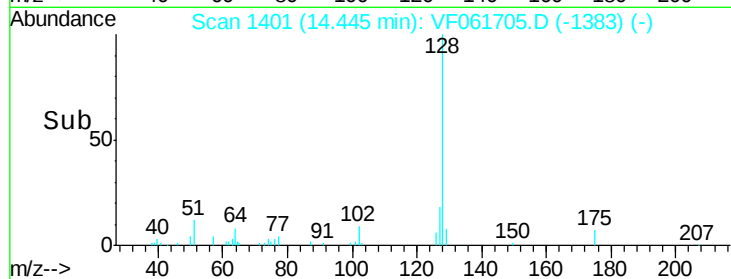
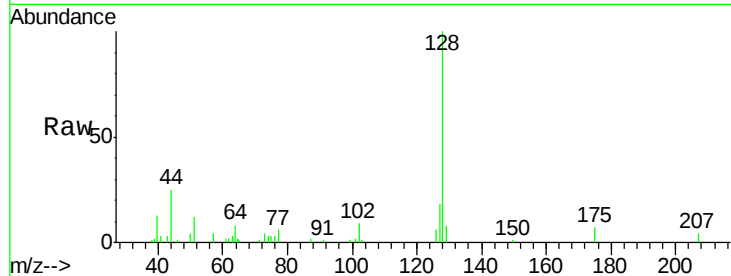
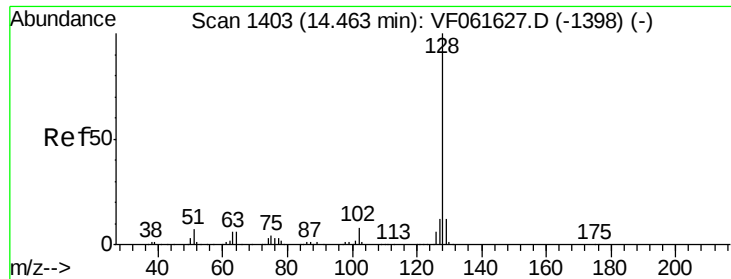
Tot Ion:117 Resp: 424964
Ion Ratio Lower Upper
117 100
82 51.4 39.3 58.9
119 33.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF061705.D
Acq: 22 Feb 2019 13:15

Tgt Ion:152 Resp: 265023
Ion Ratio Lower Upper
152 100
115 58.5 24.3 72.8
150 156.3 0.0 312.0





#95

Naphthalene

Concen: 1.142 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061705.D

Acq: 22 Feb 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

VF0222SBL01

Tot Ion:128 Resp: 12382

Ion Ratio Lower Upper

128 100

127 18.4 9.8 14.6#

129 7.6 9.4 14.2#

