

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061742.D
 Acq On : 26 Feb 2019 15:00
 Operator : VA/AP
 Sample : VF0226SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBL01

Quant Time: Feb 27 04:06:31 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	4.85	168	309056	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	475953	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	391634	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	240588	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	124321	54.86	ug/l	-0.04
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	4.09	113	189681	53.67	ug/l	-0.03
Spiked Amount			Recovery	=	107.34%	
50) Toluene-d8	7.53	98	507048	49.90	ug/l	-0.03
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.40	95	217379	52.88	ug/l	-0.02
Spiked Amount			Recovery	=	105.76%	

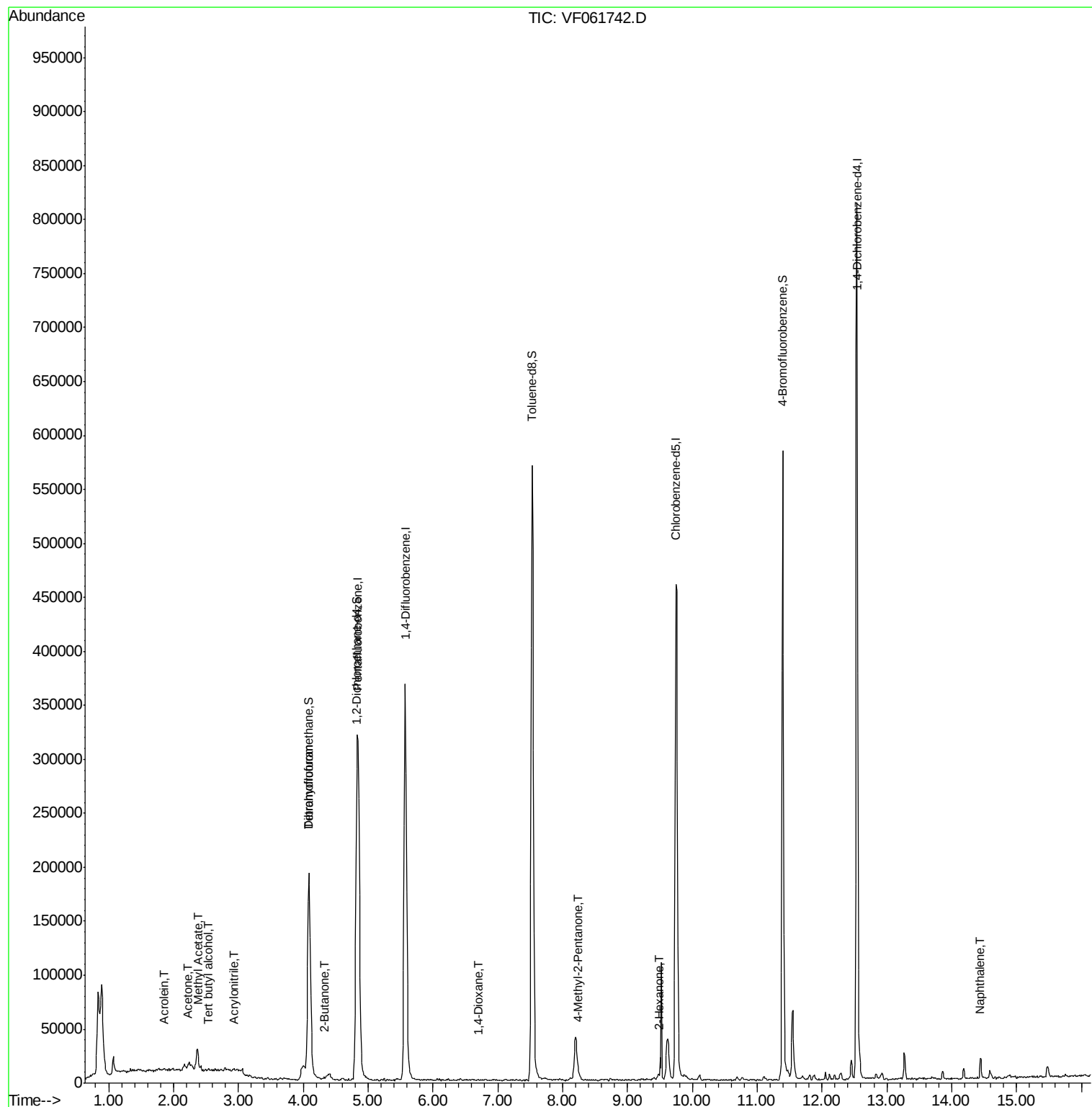
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	422	3.217	ug/l #	63
13) Acrolein	1.84	56	558	3.385	ug/l	97
15) Acrylonitrile	2.93	53	1439	3.093	ug/l #	44
16) Acetone	2.22	43	4338	8.921	ug/l	98
18) Methyl Acetate	2.36	43	8773	8.009	ug/l #	59
20) Methylene Chloride	2.18	84	3043	Below Cal	#	66
25) 2-Butanone	4.32	43	3338	3.143	ug/l #	81
29) Tetrahydrofuran	4.08	42	1345	2.786	ug/l #	45
49) 1,4-Dioxane	6.71	88	65	4.432	ug/l #	20
51) 4-Methyl-2-Pentanone	8.25	43	5182	2.798	ug/l	99
59) 2-Hexanone	9.48	43	3925	3.023	ug/l	98
95) Naphthalene	14.44	128	11711	1.190	ug/l #	96

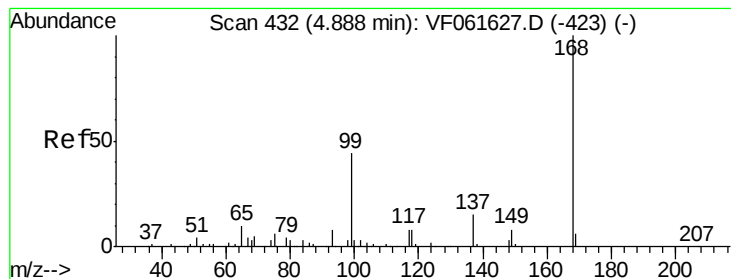
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022619\
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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: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

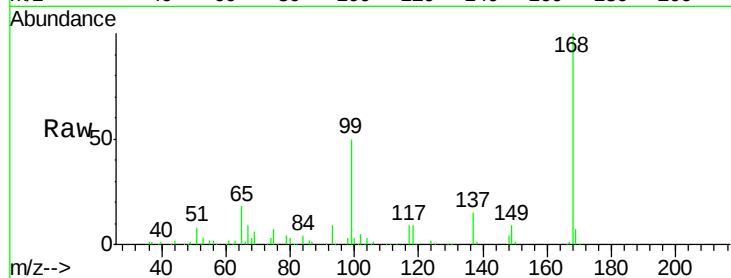
VF0226SBL01

Tot Ion:168 Resp: 309056

Ion Ratio Lower Upper

168 100

99 50.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

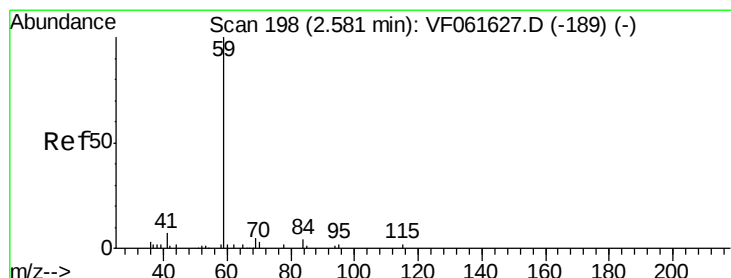
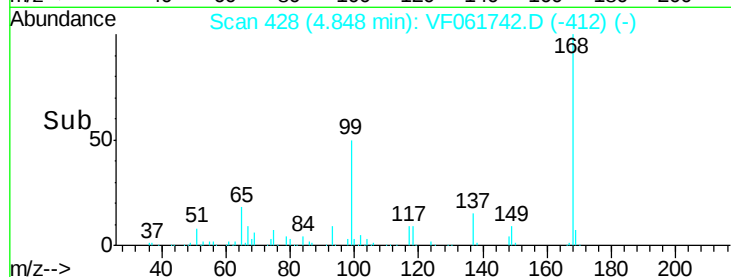
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.217 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF061742.D

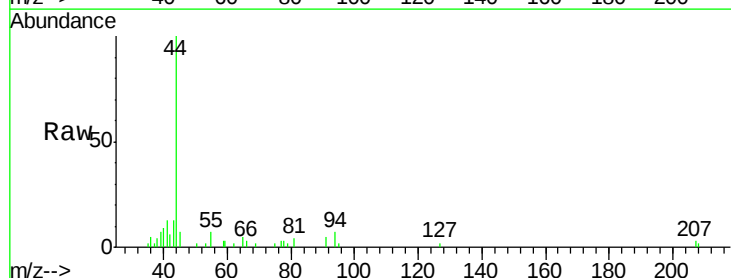
Acq: 26 Feb 2019 15:00

Tgt Ion: 59 Resp: 422

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.54

400

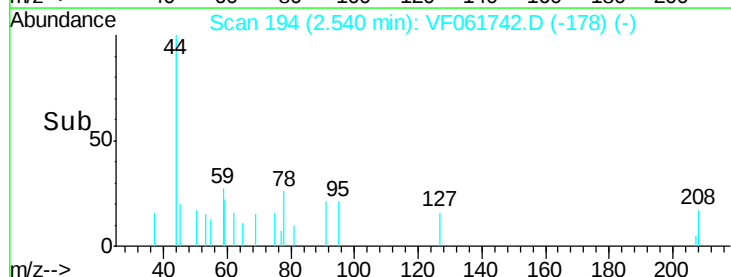
300

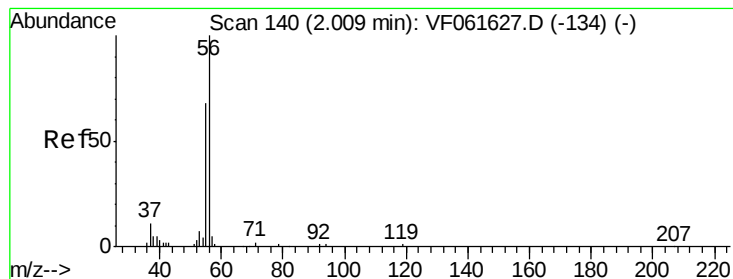
200

100

0

Time-->





#13

Acrolein

Concen: 3.385 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.17 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

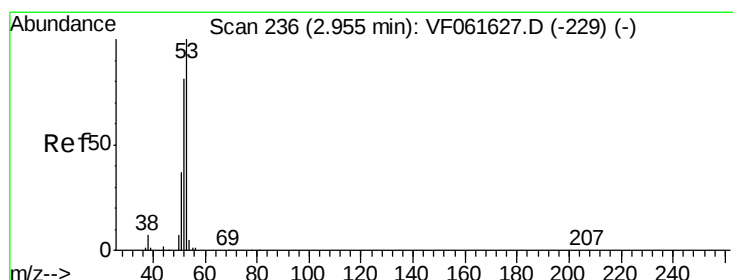
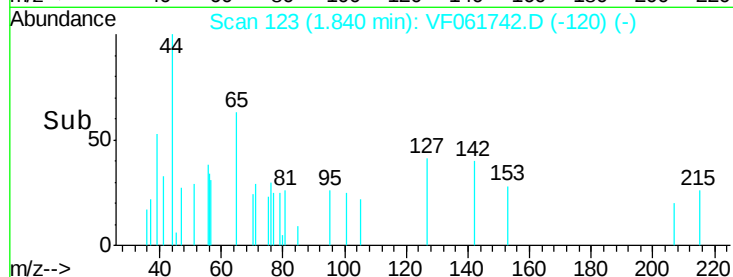
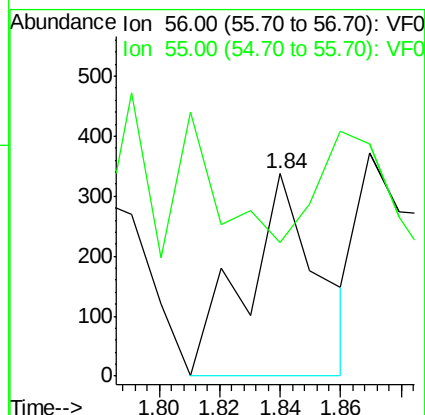
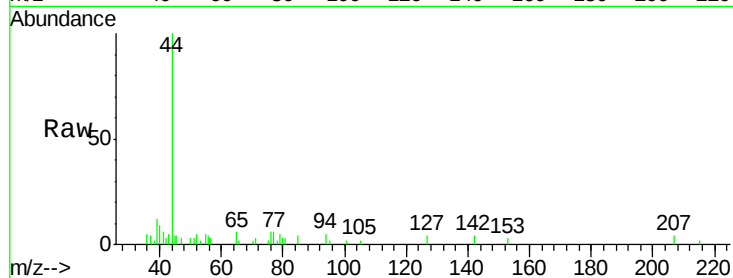
VF0226SBL01

Tot Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 66.2 55.0 82.6



#15

Acrylonitrile

Concen: 3.093 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

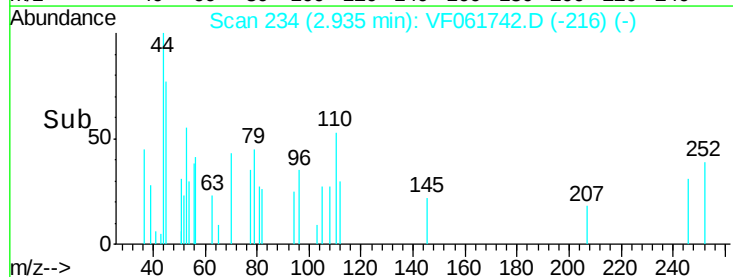
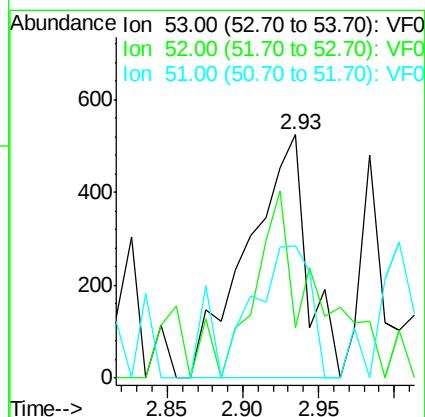
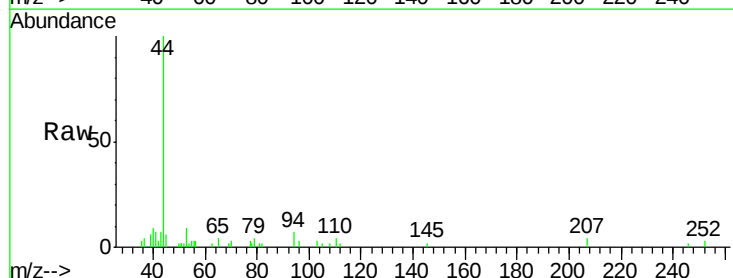
Tgt Ion: 53 Resp: 1439

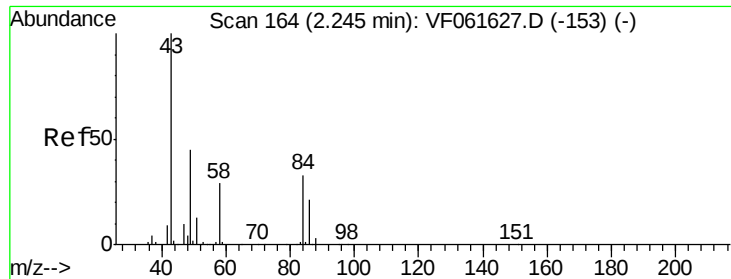
Ion Ratio Lower Upper

53 100

52 20.4 64.6 97.0#

51 54.5 29.8 44.8#





#16

Acetone

Concen: 8.921 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

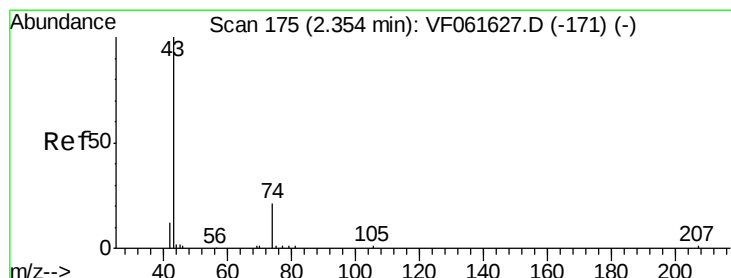
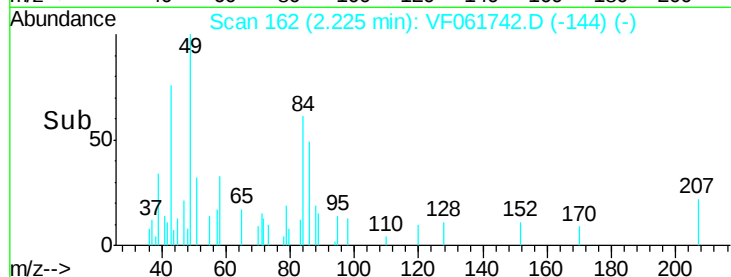
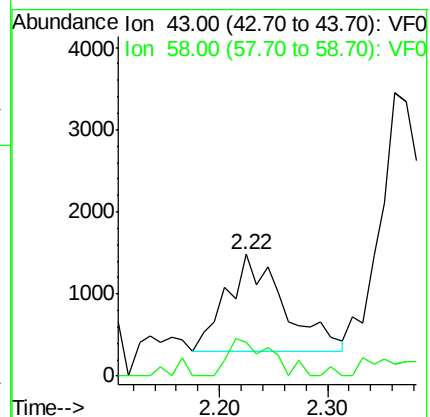
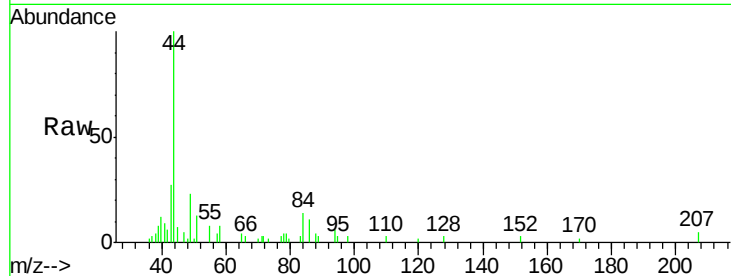
VF0226SBL01

Tot Ion: 43 Resp: 4338

Ion Ratio Lower Upper

43 100

58 27.7 22.9 34.3



#18

Methyl Acetate

Concen: 8.009 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061742.D

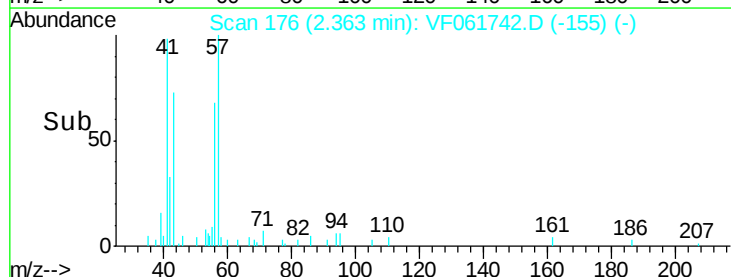
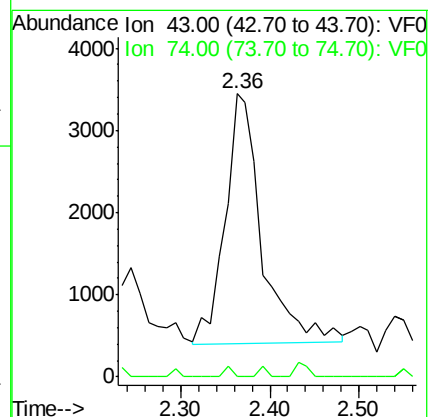
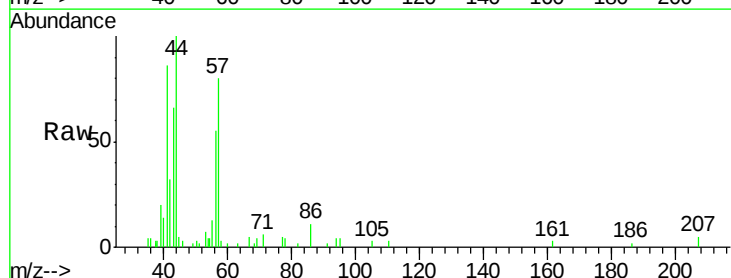
Acq: 26 Feb 2019 15:00

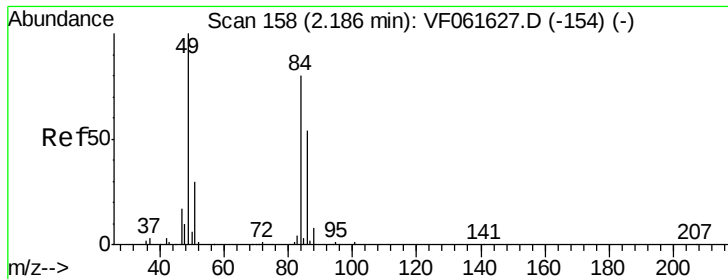
Tgt Ion: 43 Resp: 8773

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

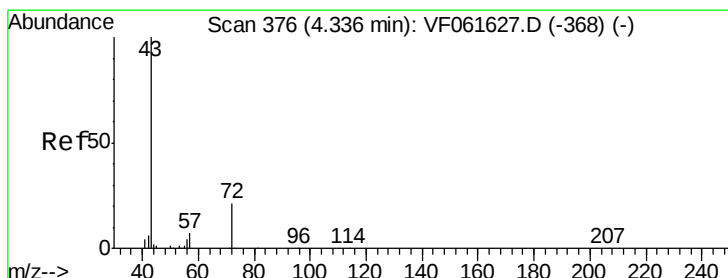
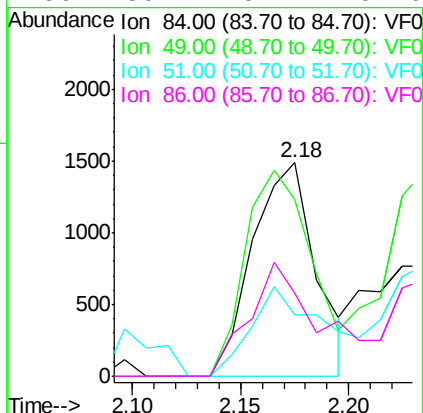
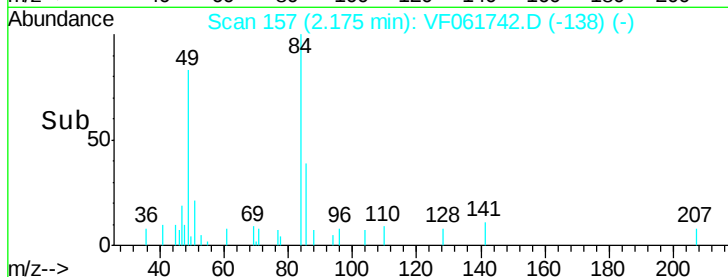
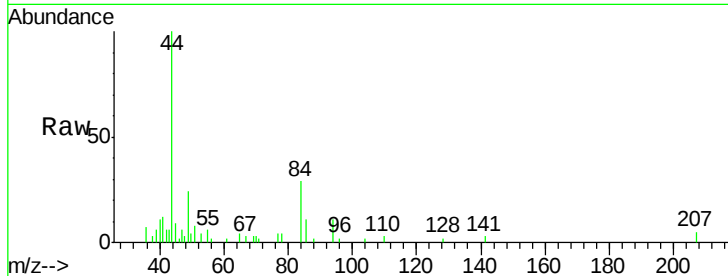




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

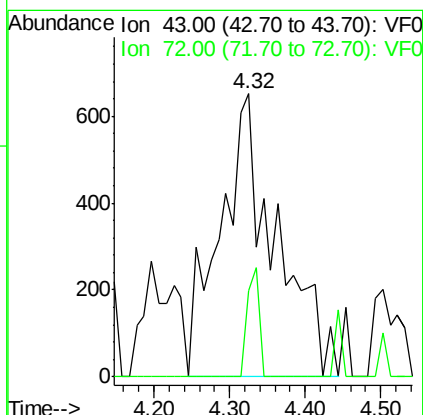
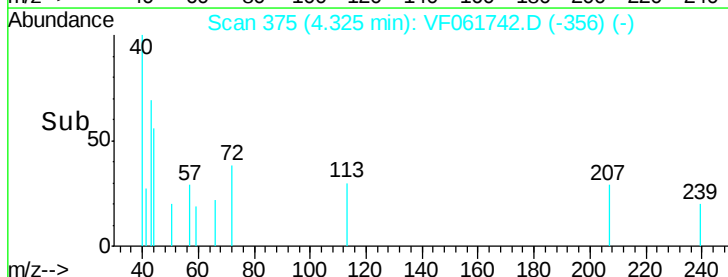
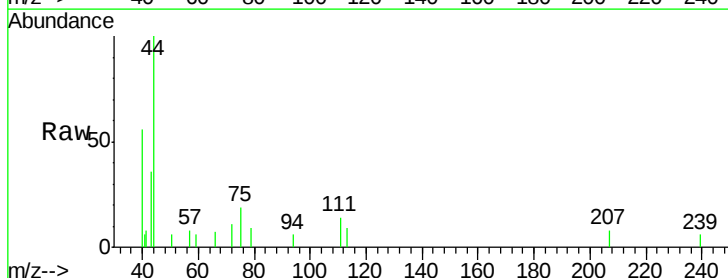
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBL01

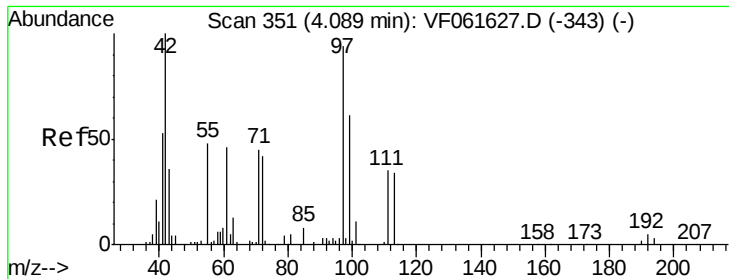
Tot Ion: 84 Resp: 3043
Ion Ratio Lower Upper
84 100
49 82.6 101.8 152.8#
51 28.5 31.1 46.7#
86 39.2 54.4 81.6#



#25
2-Butanone
Concen: 3.143 ug/l
RT: 4.32 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
72 30.5 17.1 25.7#

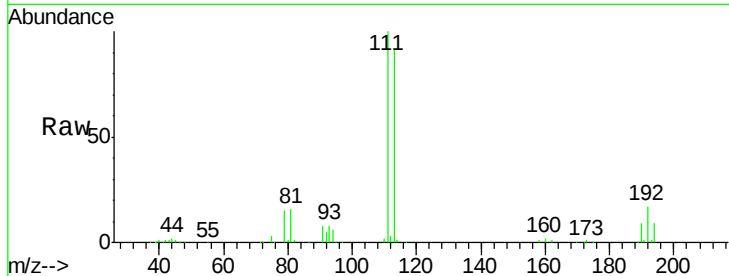




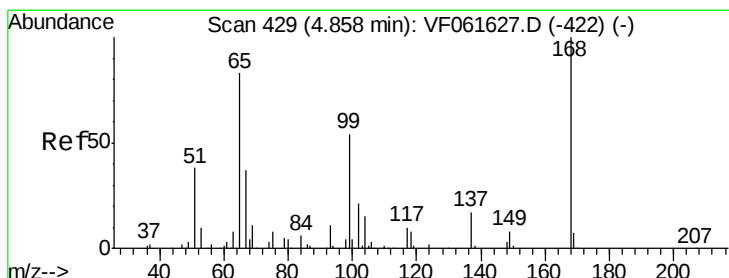
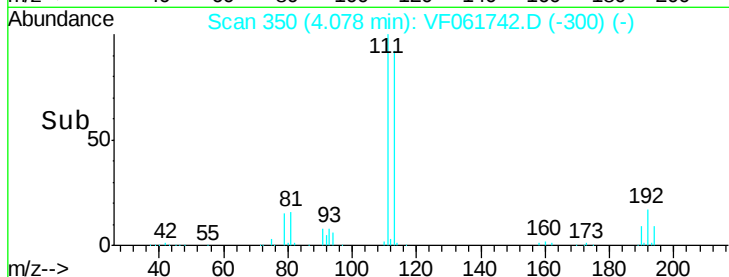
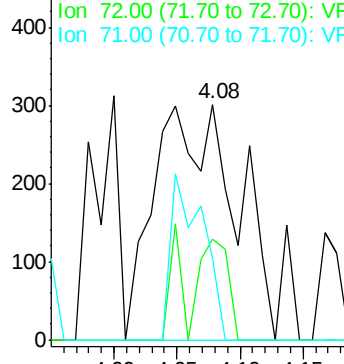
#29
Tetrahydrofuran
Concen: 2.786 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBL01

Tot Ion: 42 Resp: 1345
Ion Ratio Lower Upper
42 100
72 15.2 35.2 52.8#
71 0.0 32.9 49.3#

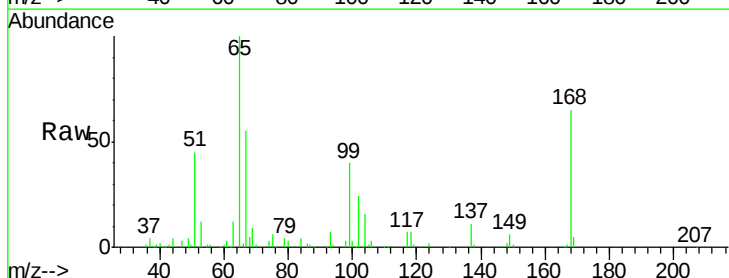


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

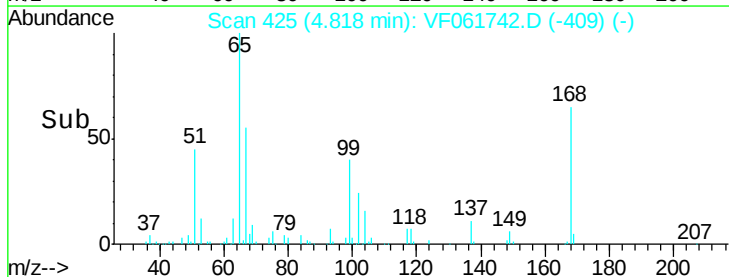
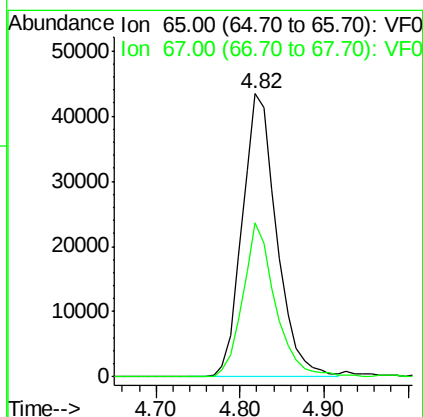


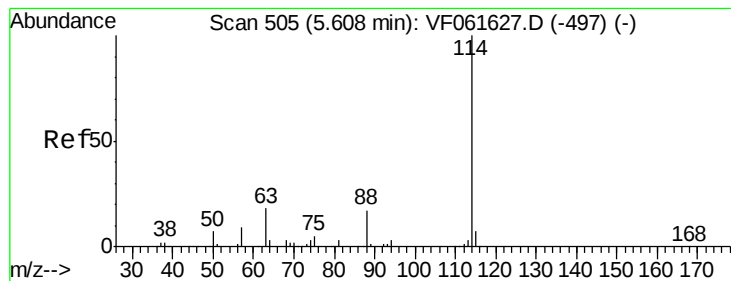
#33
1,2-Dichloroethane-d4
Concen: 54.855 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Tgt Ion: 65 Resp: 124321
Ion Ratio Lower Upper
65 100
67 54.6 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBL01

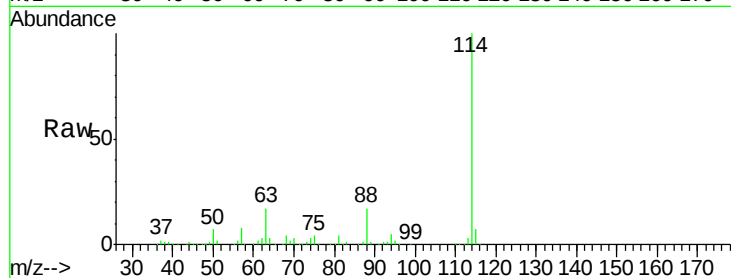
Tot Ion:114 Resp: 475953

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

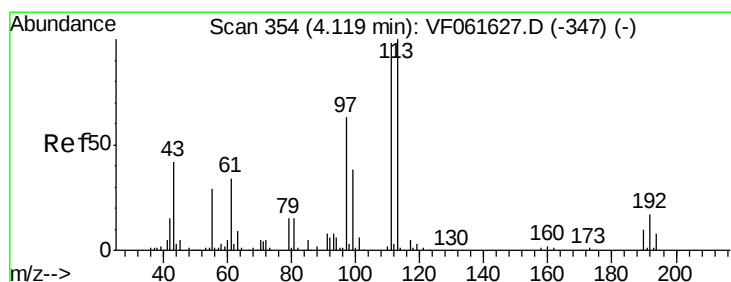
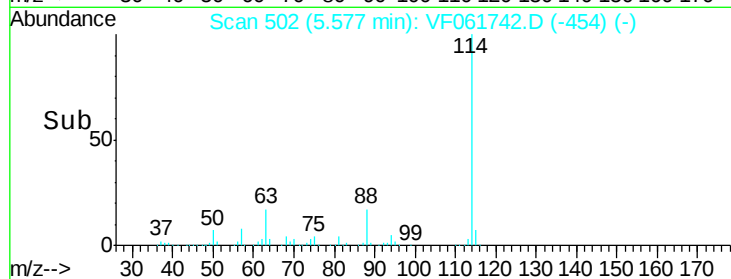
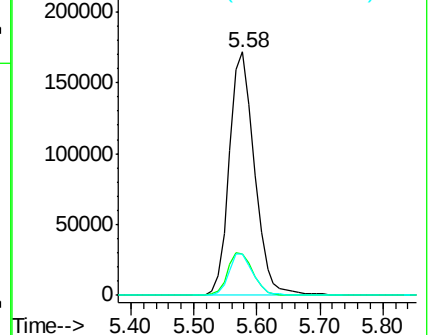
88 16.8 0.0 34.4



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: 53.666 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

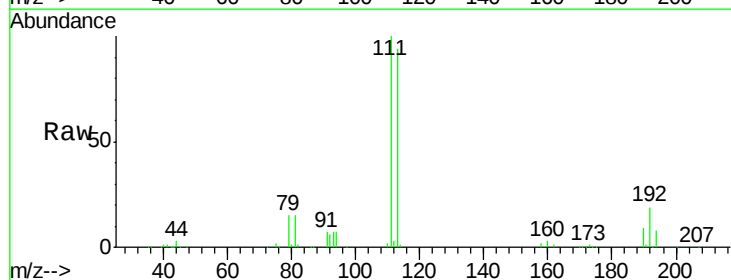
Tgt Ion:113 Resp: 189681

Ion Ratio Lower Upper

113 100

111 106.9 78.8 118.2

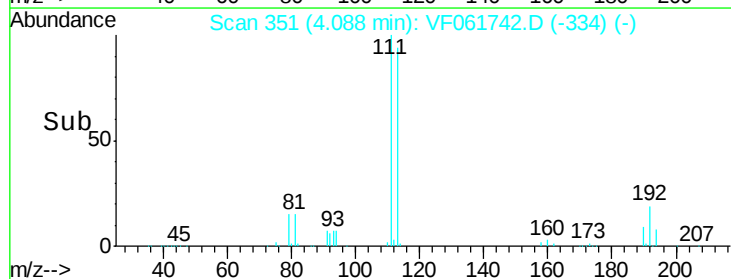
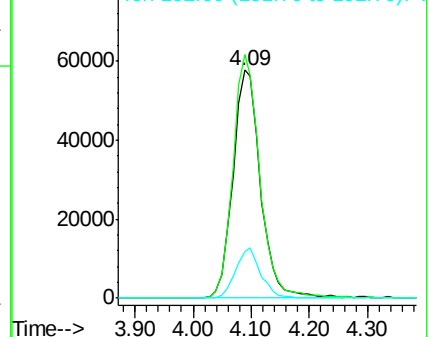
192 20.5 13.4 20.0#

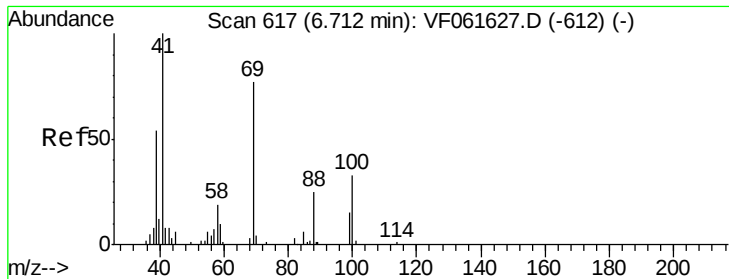


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

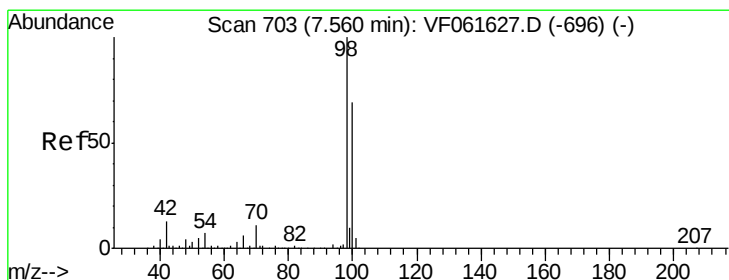
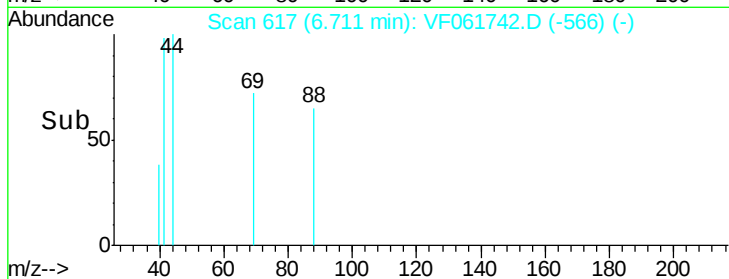
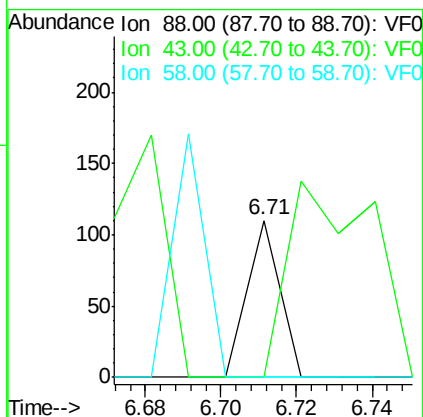
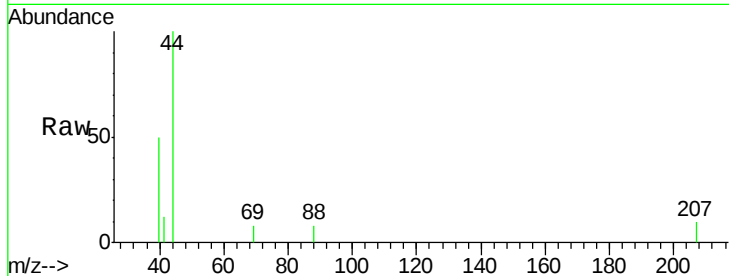




#49
1,4-Dioxane
Concen: 4.432 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

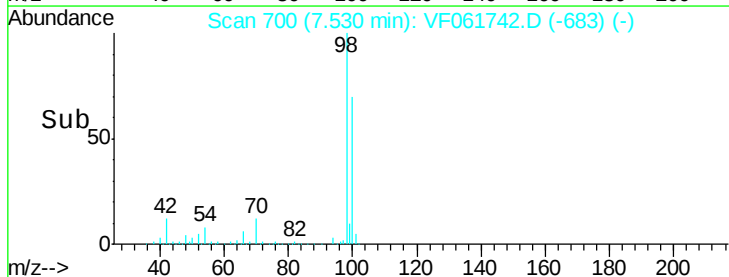
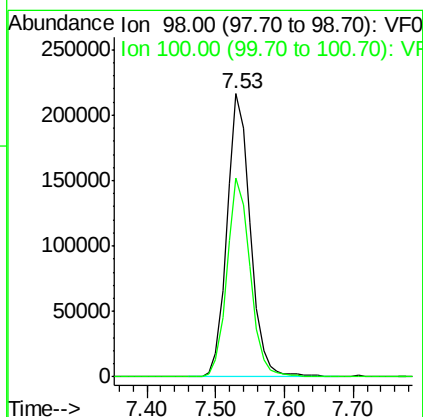
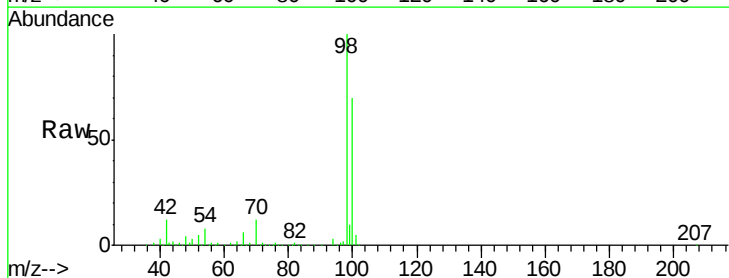
Instrument :
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VF0226SBL01

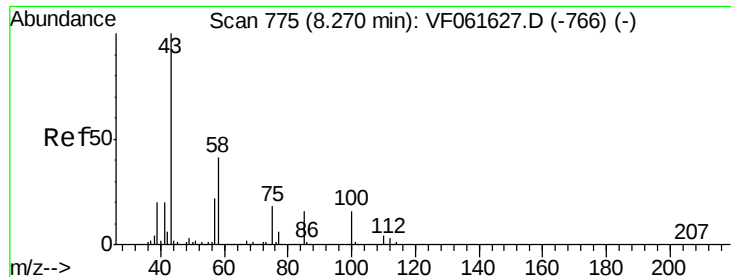
Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 49.904 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Tgt Ion: 98 Resp: 507048
Ion Ratio Lower Upper
98 100
100 70.4 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 2.798 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

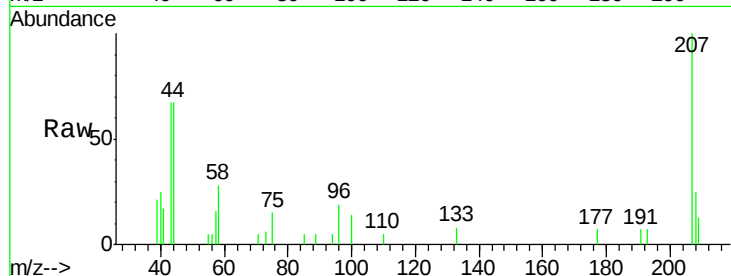
VF0226SBL01

Tot Ion: 43 Resp: 5182

Ion Ratio Lower Upper

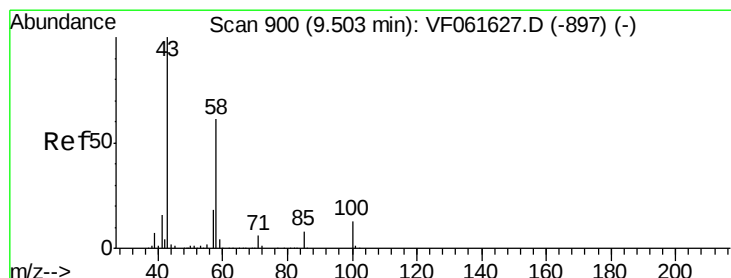
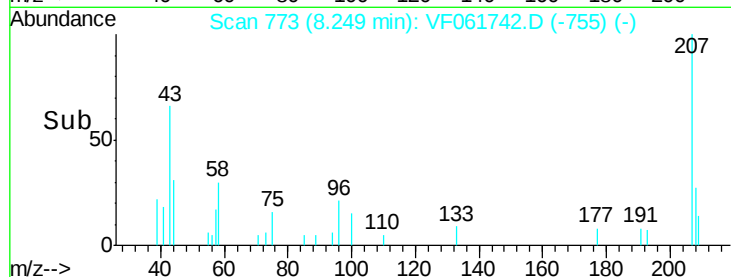
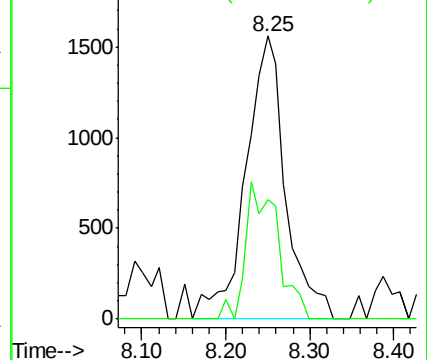
43 100

58 42.2 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: 3.023 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061742.D

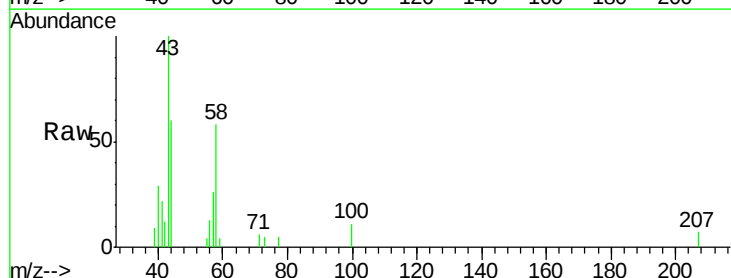
Acq: 26 Feb 2019 15:00

Tgt Ion: 43 Resp: 3925

Ion Ratio Lower Upper

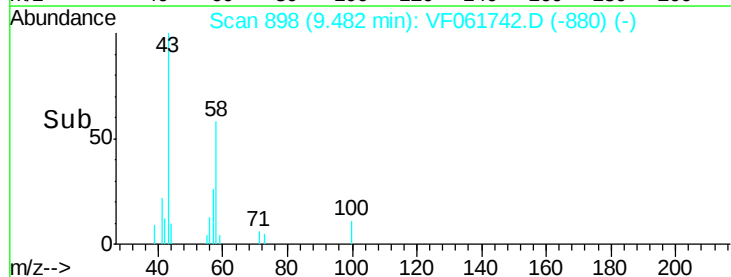
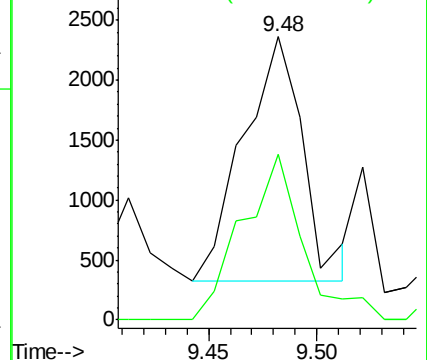
43 100

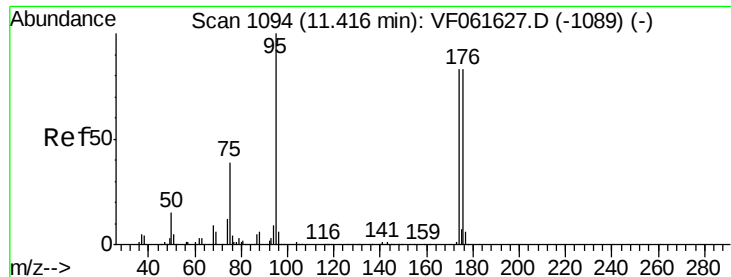
58 58.4 28.5 85.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 52.876 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBL01

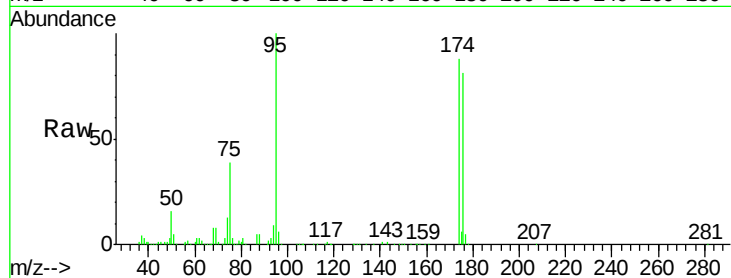
Tot Ion: 95 Resp: 217379

Ion Ratio Lower Upper

95 100

174 87.7 0.0 165.8

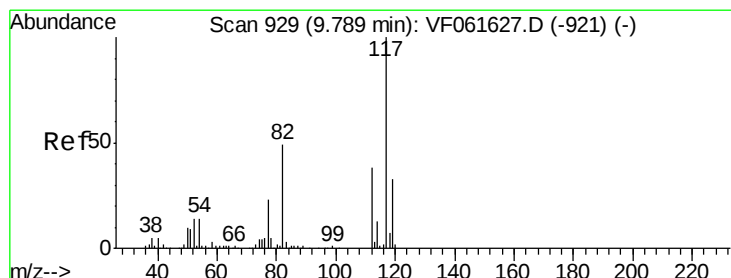
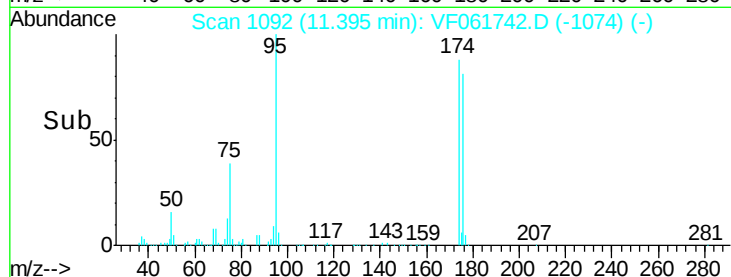
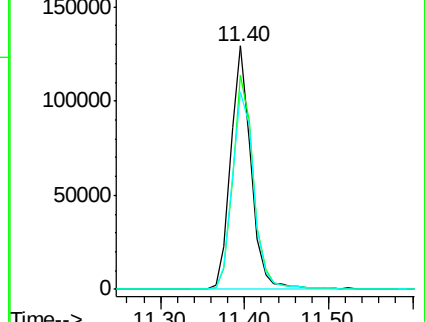
176 81.3 0.0 167.0



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: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061742.D

Acq: 26 Feb 2019 15:00

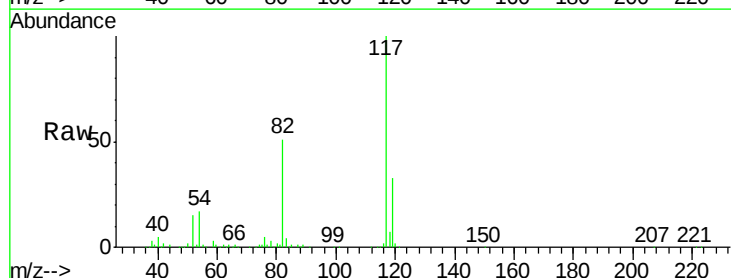
Tgt Ion: 117 Resp: 391634

Ion Ratio Lower Upper

117 100

82 51.0 39.3 58.9

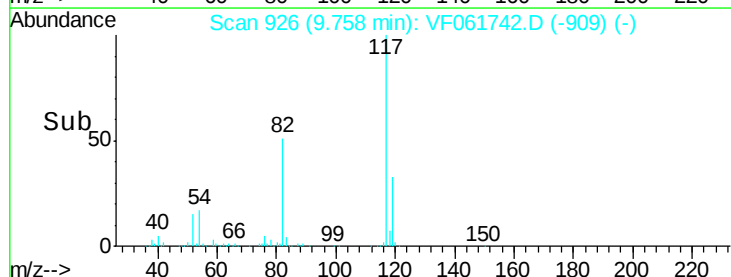
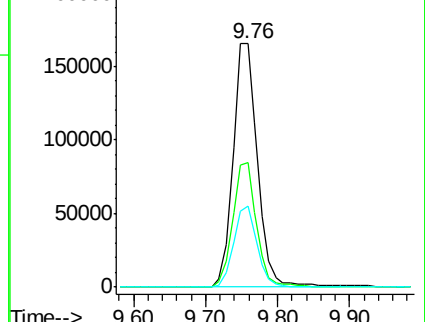
119 33.2 26.6 40.0

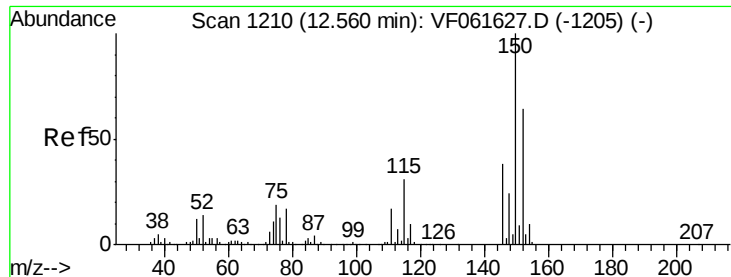


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



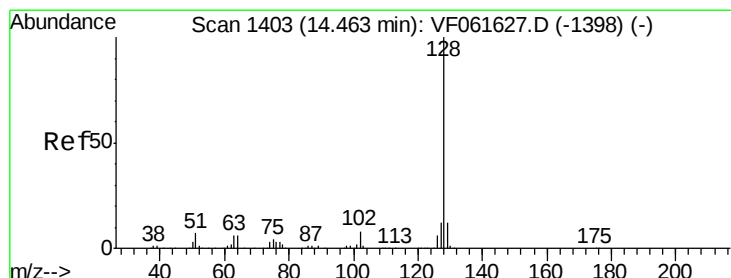
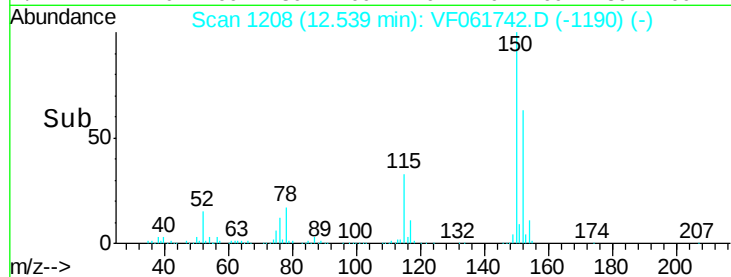
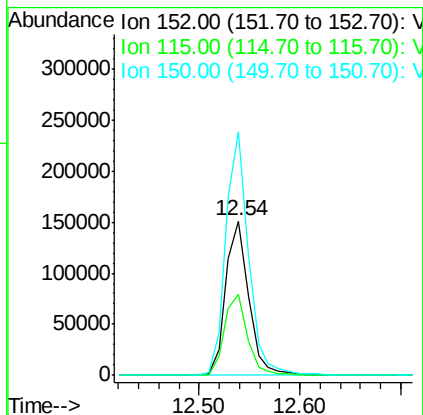
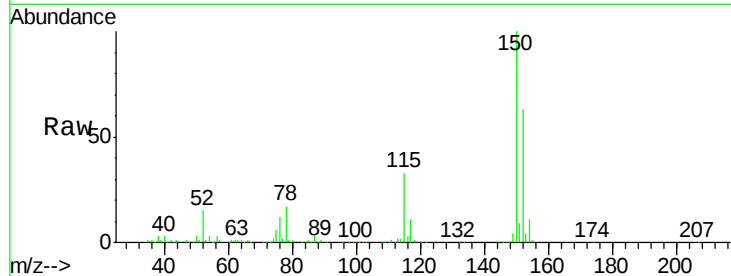


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBL01

Tot Ion:152 Resp: 240588
Ion Ratio Lower Upper
152 100
115 52.3 24.3 72.8
150 158.0 0.0 312.0



#95

Naphthalene
Concen: 1.190 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061742.D
Acq: 26 Feb 2019 15:00

Tgt Ion:128 Resp: 11711
Ion Ratio Lower Upper
128 100
127 9.6 9.8 14.6#
129 11.3 9.4 14.2

