

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060844.D
 Acq On : 27 Nov 2018 17:53
 Operator : VA/AP
 Sample : J6083-01RE
 Misc : 5.77g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-1RE

Quant Time: Nov 28 03:10:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.94	168	63	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.64
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.81
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.57

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.94	65	67	90.28	ug/l	0.06
Spiked Amount	50.000		Recovery	=	180.56%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

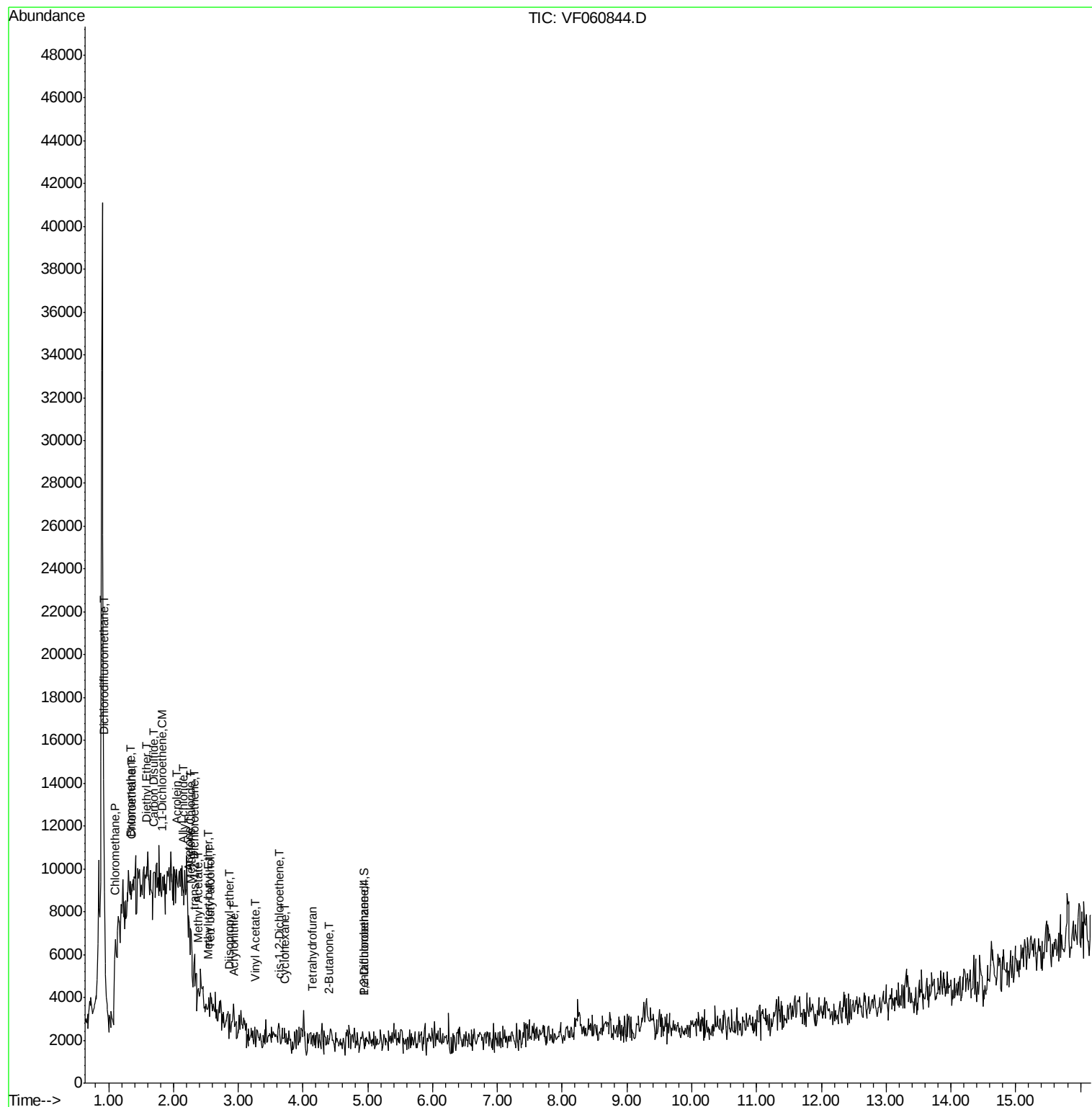
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	59	62.634	ug/l #	41
3) Chloromethane	1.10	50	184	300.181	ug/l #	41
5) Bromomethane	1.35	94	404	1002.066	ug/l #	2
6) Chloroethane	1.36	64	60	242.765	ug/l #	1
8) Diethyl Ether	1.58	74	118	668.915	ug/l	78
11) Tert butyl alcohol	2.57	59	59	1939.322	ug/l #	62
12) 1,1-Dichloroethene	1.82	96	81	162.377	ug/l #	1
13) Acrolein	2.04	56	133	4614.087	ug/l	83
14) Allyl chloride	2.16	41	282	453.555	ug/l #	52
15) Acrylonitrile	2.94	53	62	909.012	ug/l #	66
16) Acetone	2.24	43	105	767.214	ug/l #	84
17) Carbon Disulfide	1.71	76	59	44.112	ug/l #	1
18) Methyl Acetate	2.39	43	955	4299.642	ug/l #	61
19) Methyl tert-butyl Ether	2.53	73	80	71.204	ug/l #	58
20) Methylene Chloride	2.27	84	133	264.900	ug/l #	2
21) trans-1,2-Dichloroethene	2.32	96	65	135.158	ug/l #	1
22) Diisopropyl ether	2.88	45	67	39.588	ug/l #	40
23) Vinyl Acetate	3.26	43	350	452.418	ug/l #	80
25) 2-Butanone	4.40	43	402	1698.225	ug/l #	57
27) cis-1,2-Dichloroethene	3.63	96	65	83.020	ug/l	1
29) Tetrahydrofuran	4.15	42	64	637.824	ug/l #	37
31) Cyclohexane	3.70	56	143	136.842	ug/l #	15

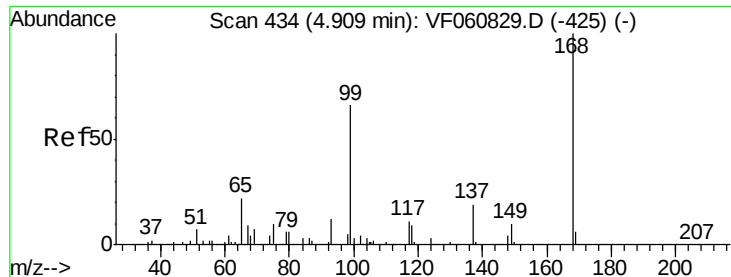
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112718\
Data File : VF060844.D
Acq On : 27 Nov 2018 17:53
Operator : VA/AP
Sample : J6083-01RE
Misc : 5.77q/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
WC-1RE

Quant Time: Nov 28 03:10:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.03 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

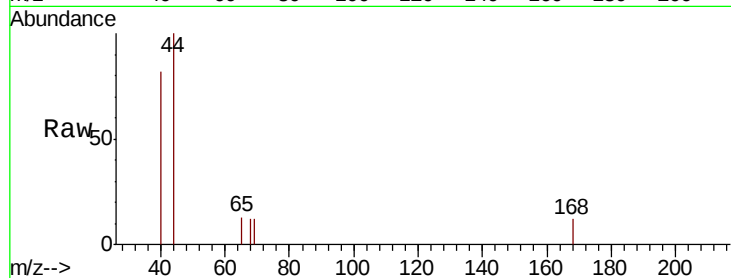
WC-1RE

Tot Ion:168 Resp: 63

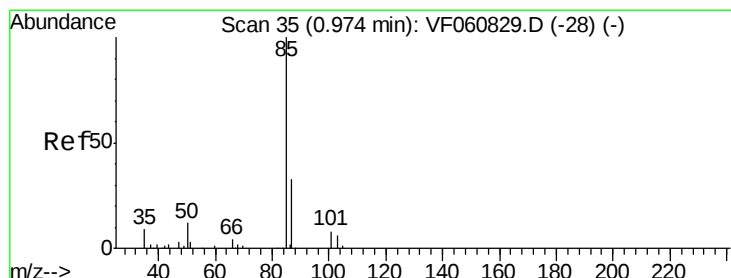
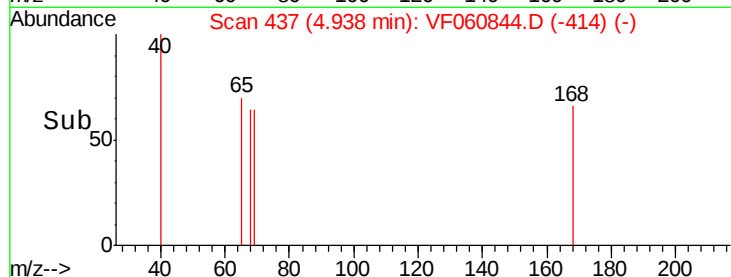
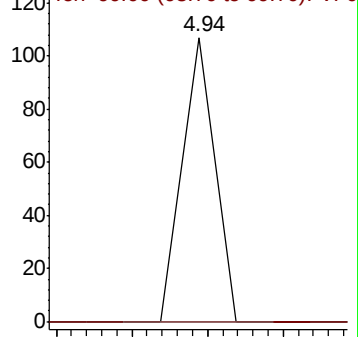
Ion Ratio Lower Upper

168 100

99 0.0 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 62.634 ug/l

RT: 0.93 min Scan# 31

Delta R.T. -0.04 min

Lab File: VF060844.D

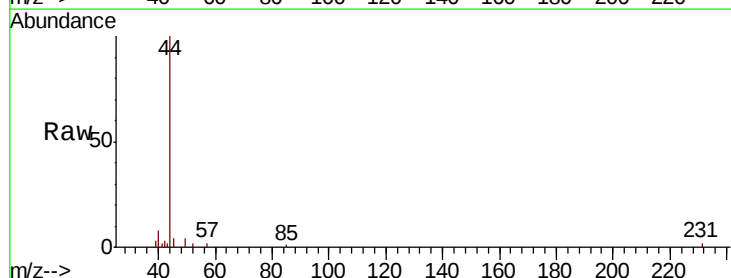
Acq: 27 Nov 2018 17:53

Tgt Ion: 85 Resp: 59

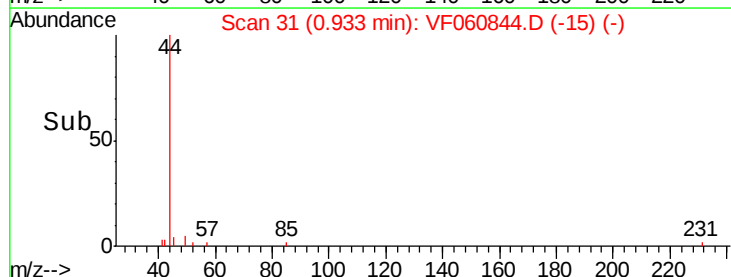
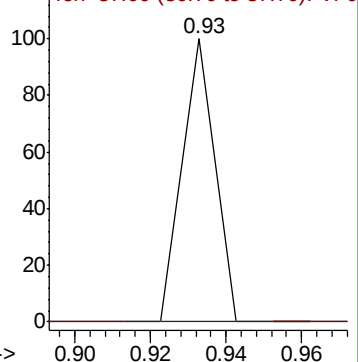
Ion Ratio Lower Upper

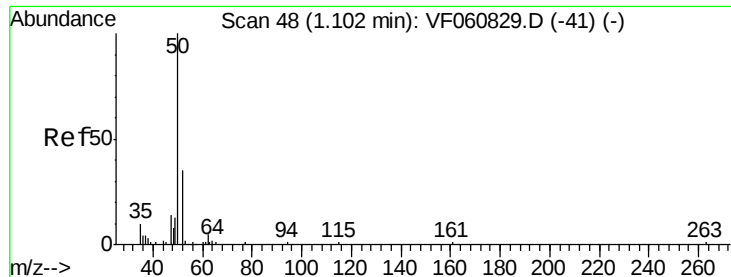
85 100

87 0.0 16.7 50.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 300.181 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

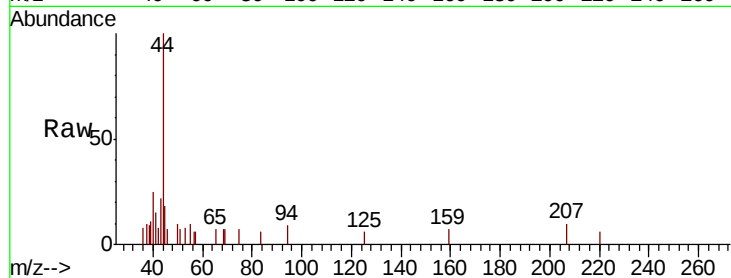
WC-1RE

Tot Ion: 50 Resp: 184

Ion Ratio Lower Upper

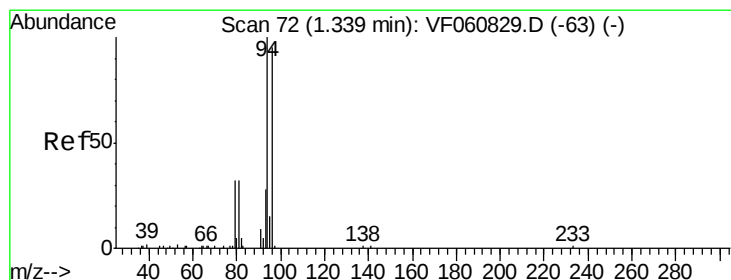
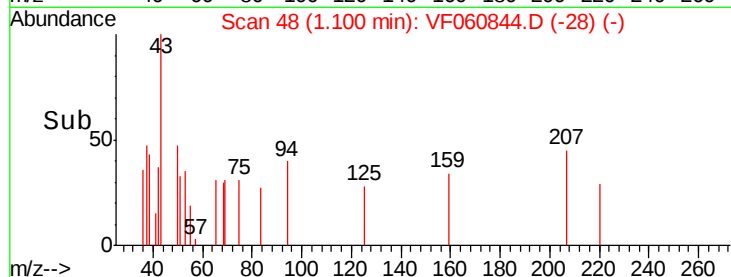
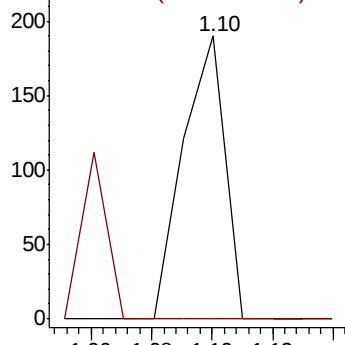
50 100

52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#5

Bromomethane

Concen: 1002.066 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060844.D

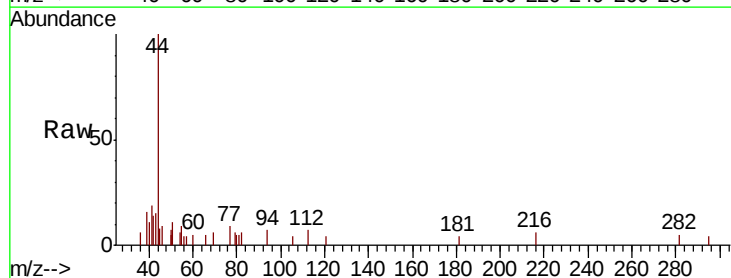
Acq: 27 Nov 2018 17:53

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

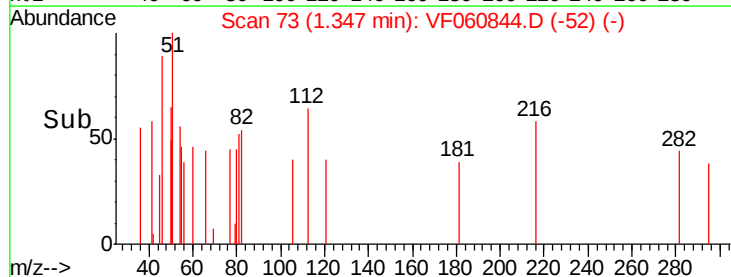
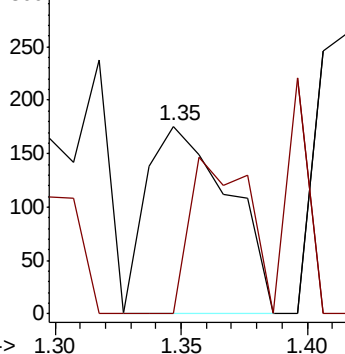
94 100

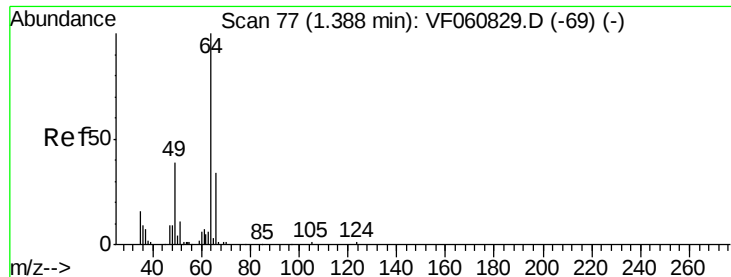
96 0.0 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 242.765 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

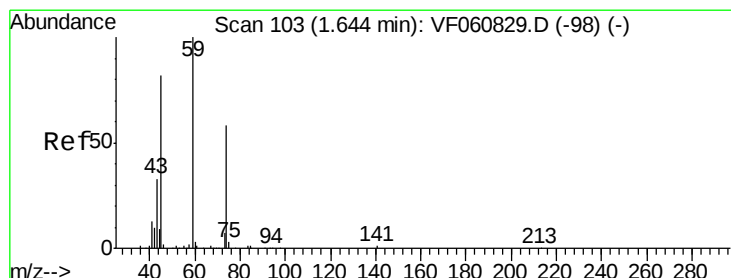
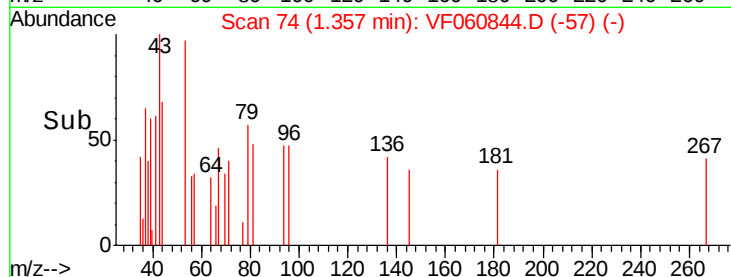
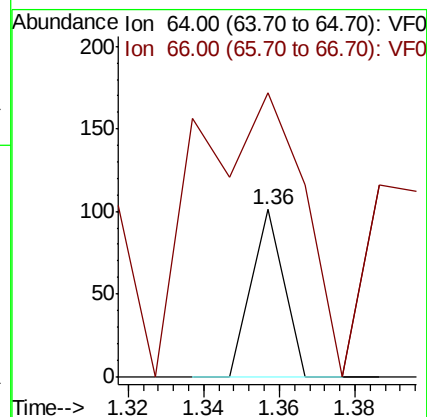
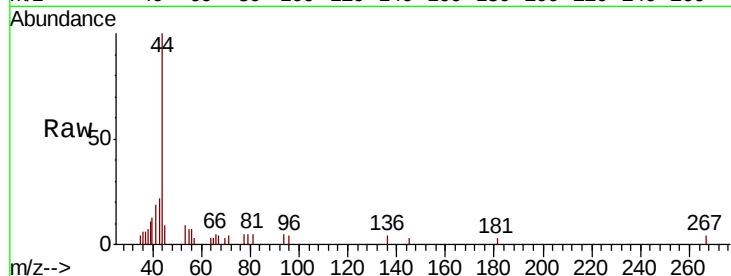
WC-1RE

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 170.3 28.1 42.1#



#8

Diethyl Ether

Concen: 668.915 ug/l

RT: 1.58 min Scan# 97

Delta R.T. -0.06 min

Lab File: VF060844.D

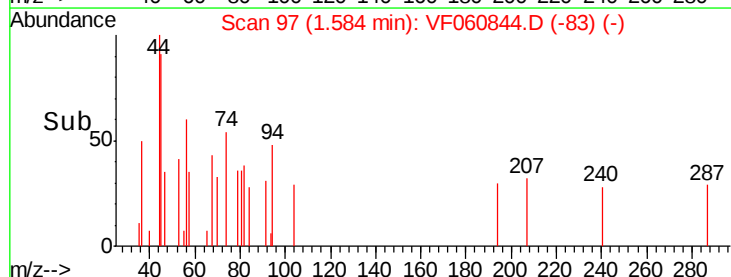
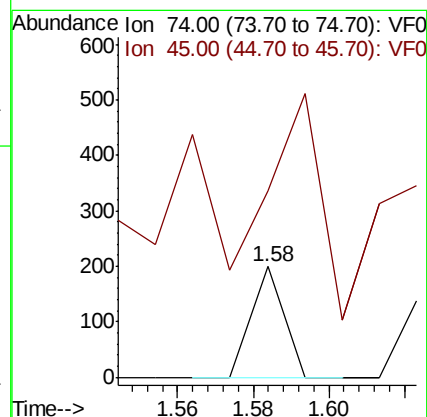
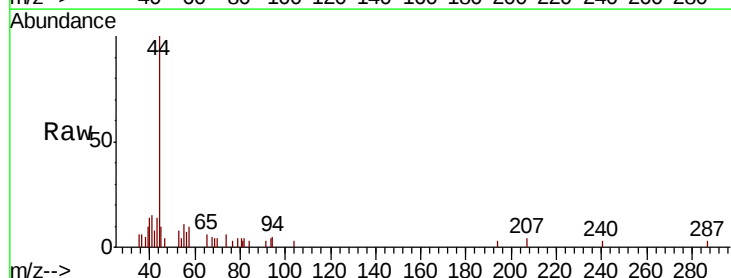
Acq: 27 Nov 2018 17:53

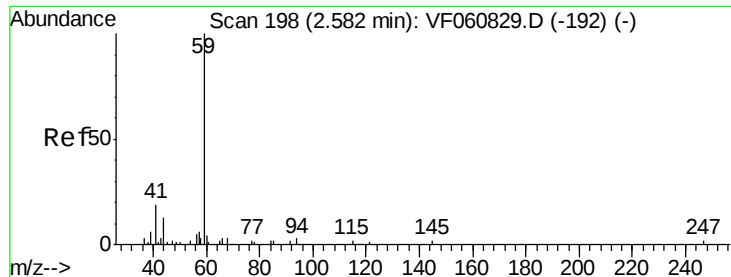
Tgt Ion: 74 Resp: 118

Ion Ratio Lower Upper

74 100

45 168.3 71.0 212.8



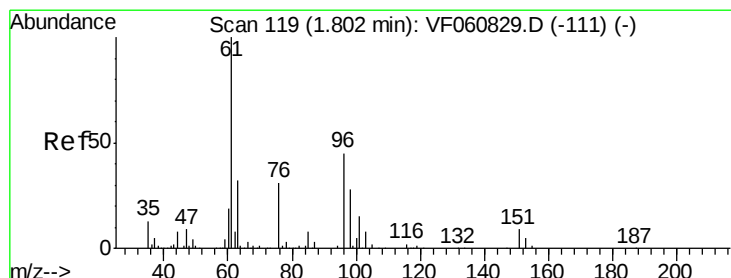
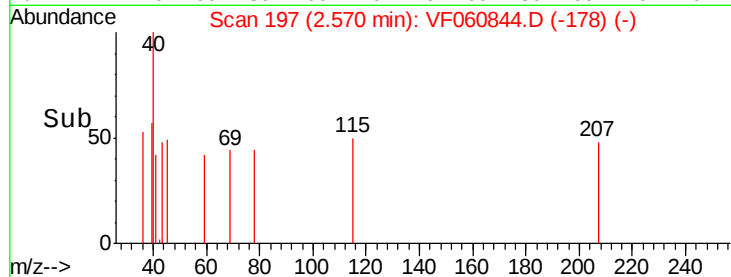
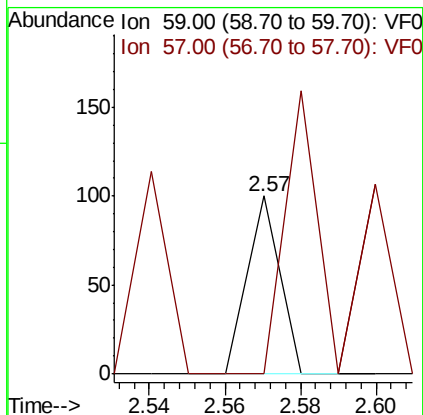
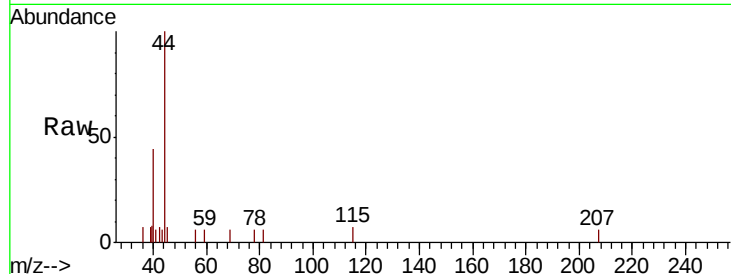


#11

Tert butyl alcohol
 Concen: 1939.322 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Instrument :
 MSVOA_F
 ClientSampled :
 WC-1RE

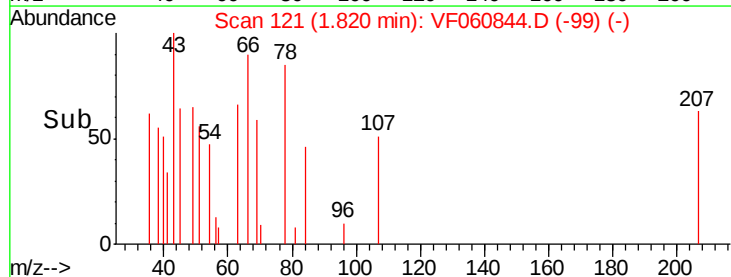
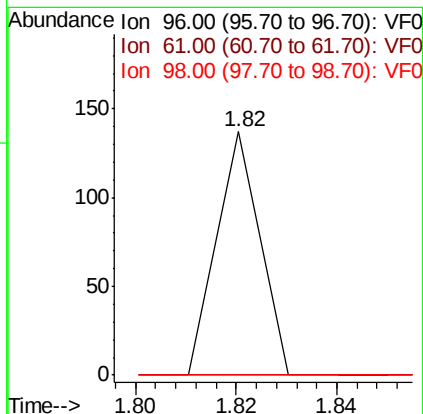
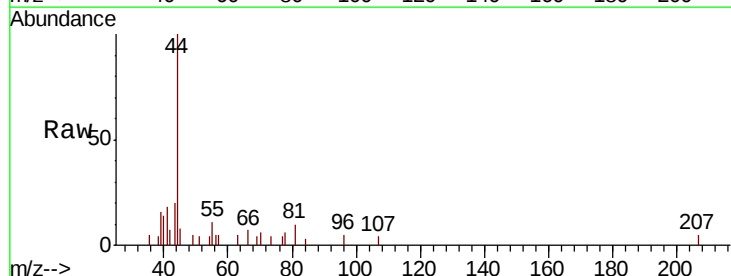
Tot Ion: 59 Resp: 59
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.7 19.1#

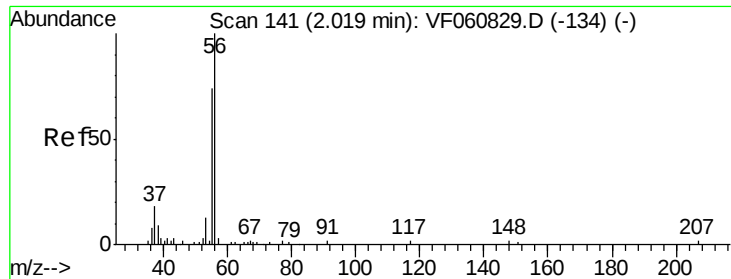


#12

1,1-Dichloroethene
 Concen: 162.377 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. 0.02 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Tgt Ion: 96 Resp: 81
 Ion Ratio Lower Upper
 96 100
 61 0.0 177.3 265.9#
 98 0.0 49.6 74.4#





#13

Acrolein

Concen: 4614.087 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

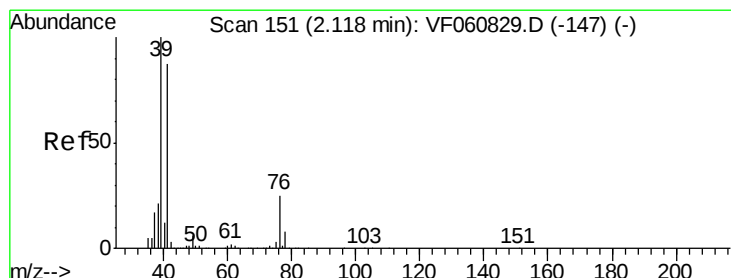
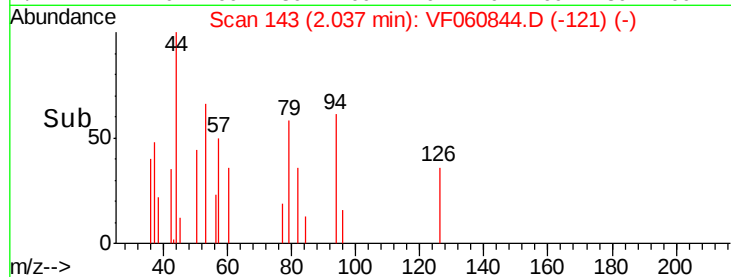
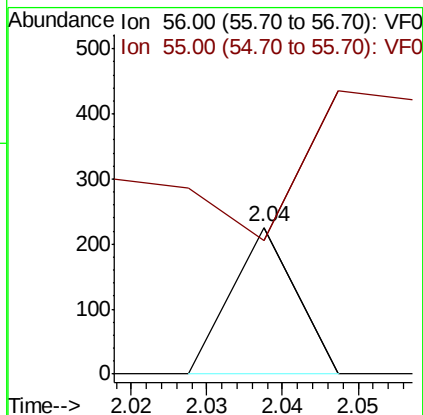
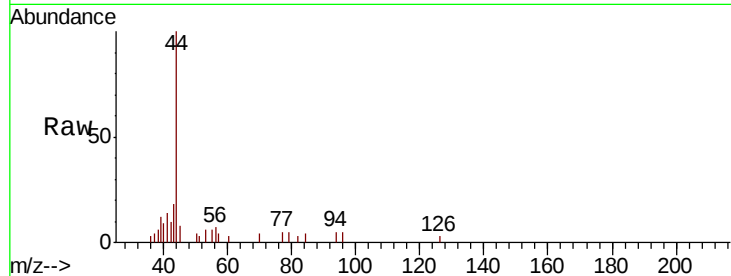
Instrument :
MSVOA_F
ClientSampleId :
WC-1RE

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 91.1 61.2 91.8



#14

Allyl chloride

Concen: 453.555 ug/l

RT: 2.16 min Scan# 155

Delta R.T. 0.04 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

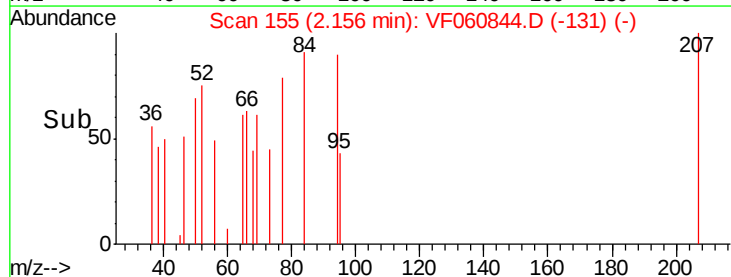
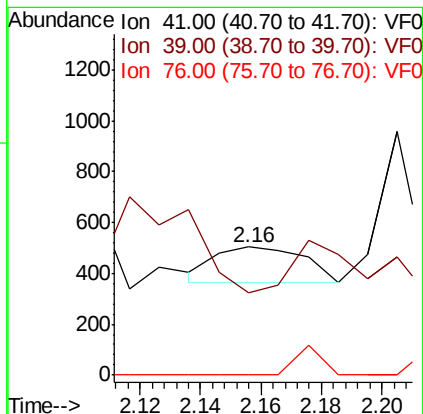
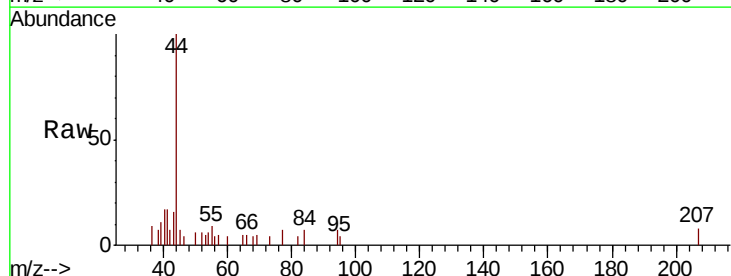
Tgt Ion: 41 Resp: 282

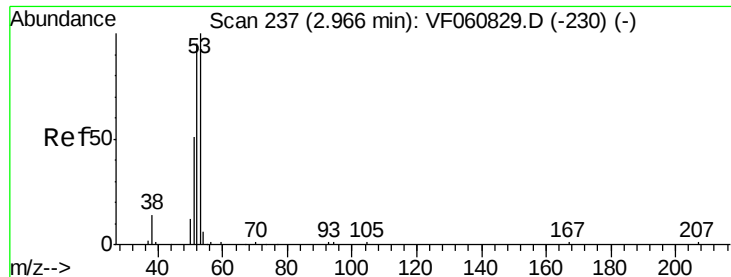
Ion Ratio Lower Upper

41 100

39 64.6 91.7 137.5#

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 909.012 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

WC-1RE

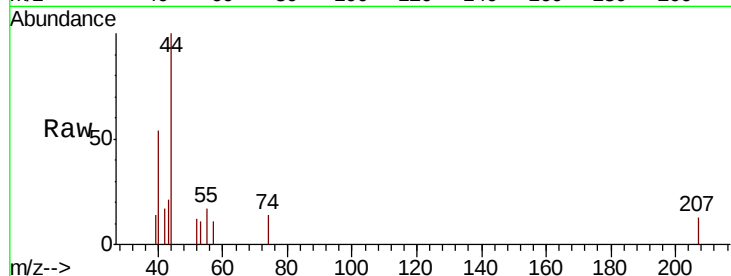
Tot Ion: 53 Resp: 62

Ion Ratio Lower Upper

53 100

52 108.6 76.5 114.7

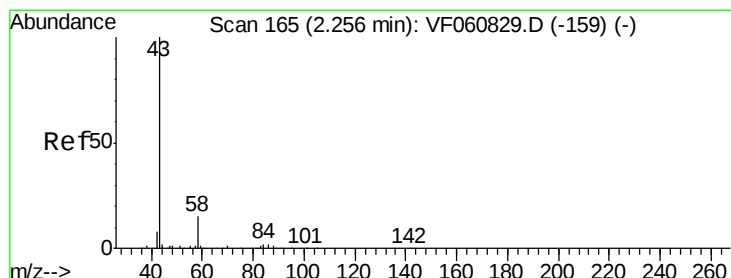
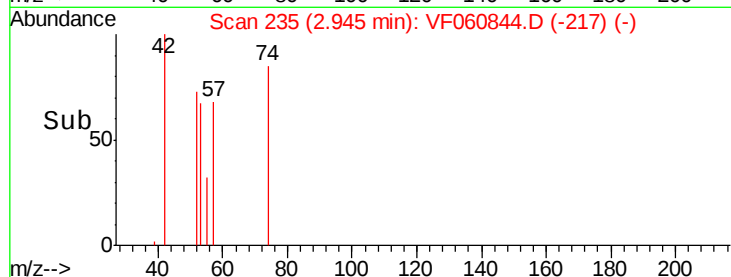
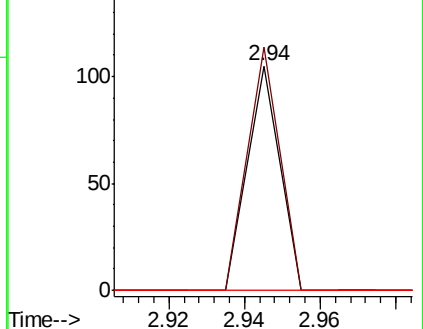
51 0.0 40.7 61.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 767.214 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060844.D

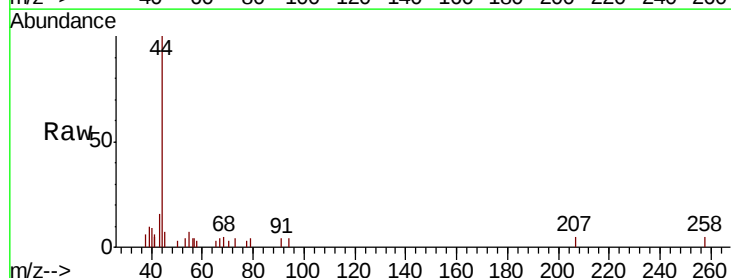
Acq: 27 Nov 2018 17:53

Tgt Ion: 43 Resp: 105

Ion Ratio Lower Upper

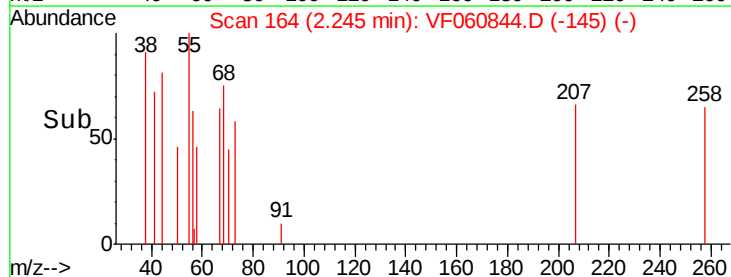
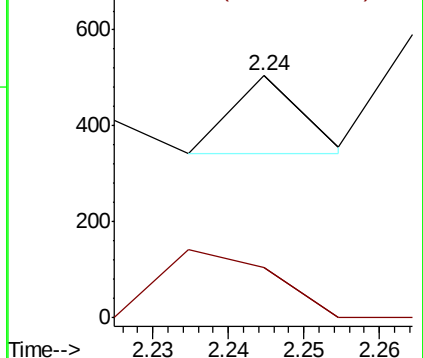
43 100

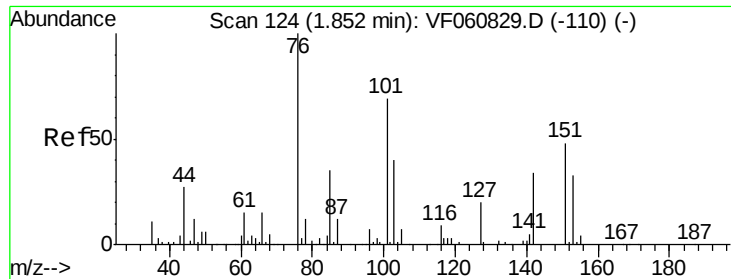
58 20.8 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

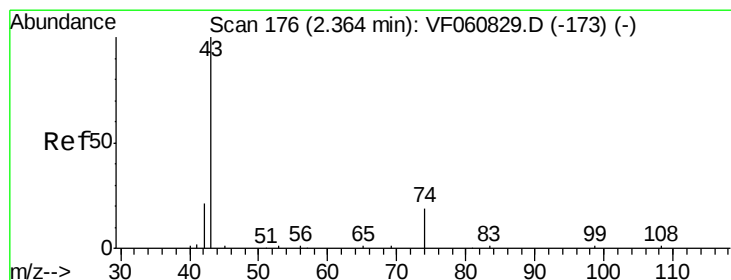
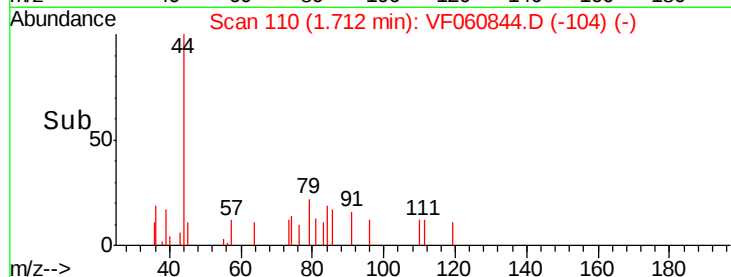
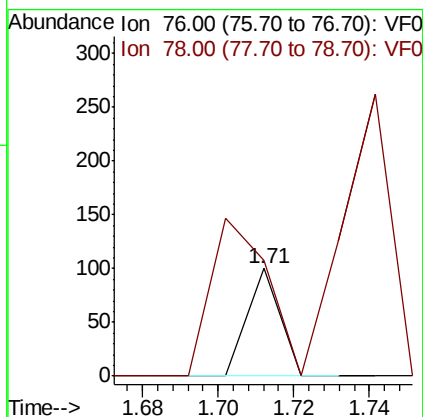
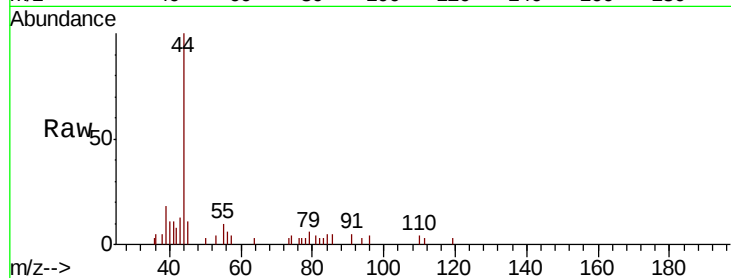




#17
Carbon Disulfide
Concen: 44.112 ug/l
RT: 1.71 min Scan# 110
Delta R.T. -0.14 min
Lab File: VF060844.D
Acq: 27 Nov 2018 17:53

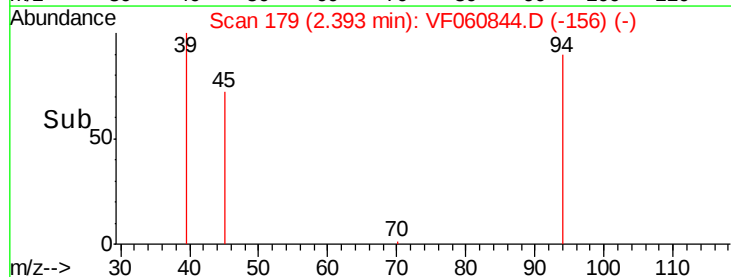
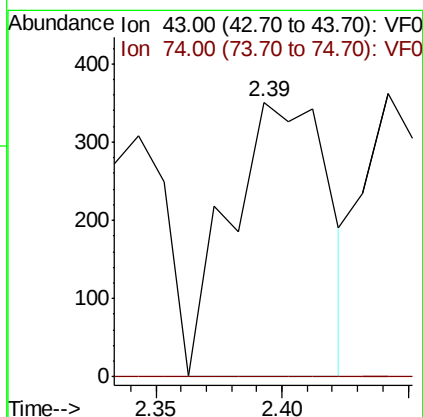
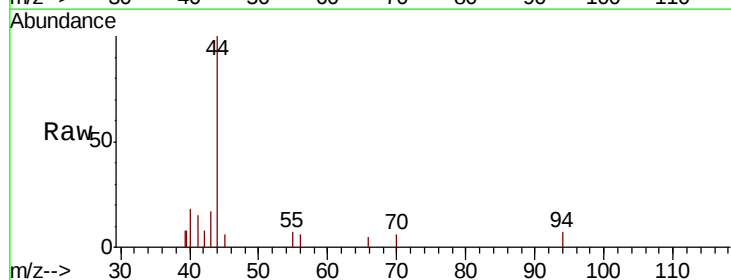
Instrument :
MSVOA_F
ClientSampleId :
WC-1RE

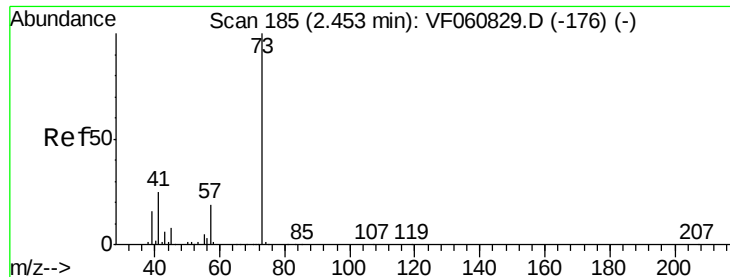
Tot Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 108.0 10.2 15.2#



#18
Methyl Acetate
Concen: 4299.642 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF060844.D
Acq: 27 Nov 2018 17:53

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



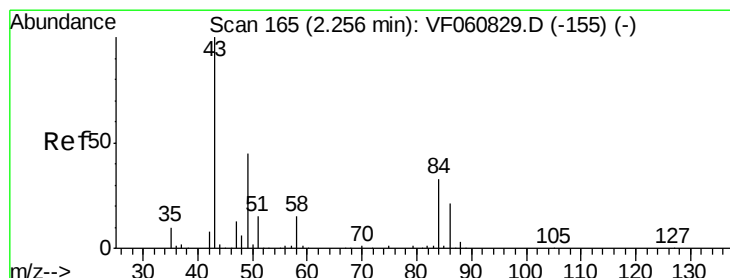
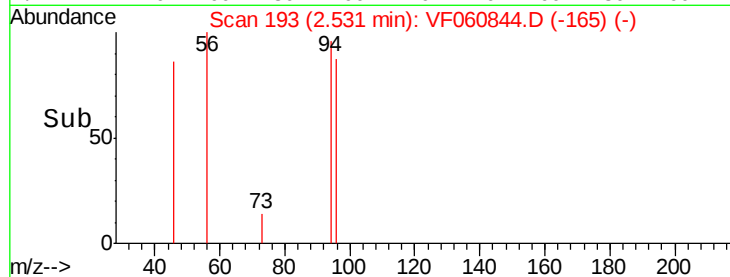
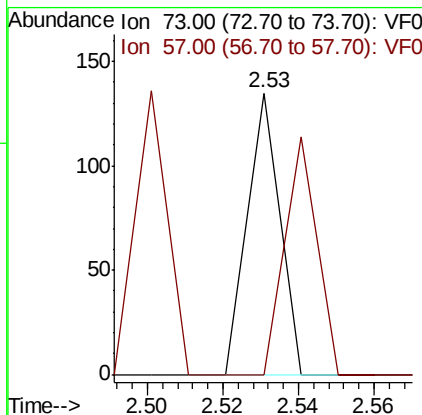
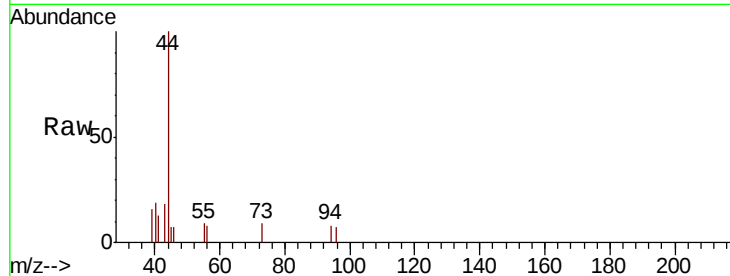


#19

Methyl tert-butyl Ether
 Concen: 71.204 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.08 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Instrument :
 MSVOA_F
 ClientSampled :
 WC-1RE

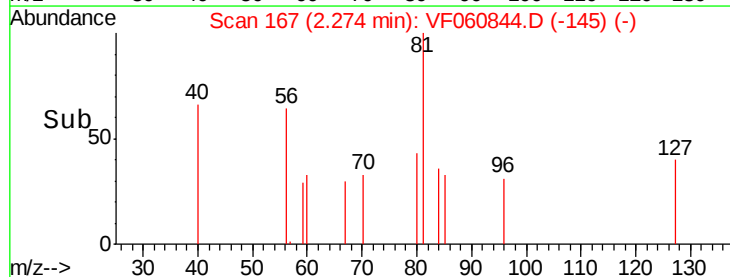
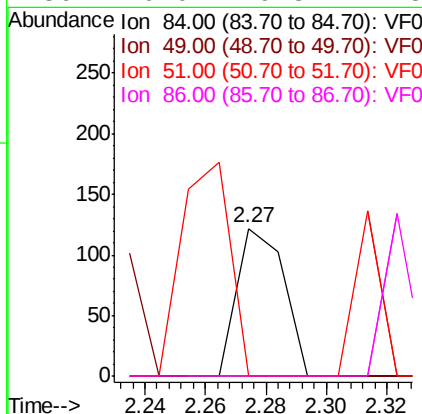
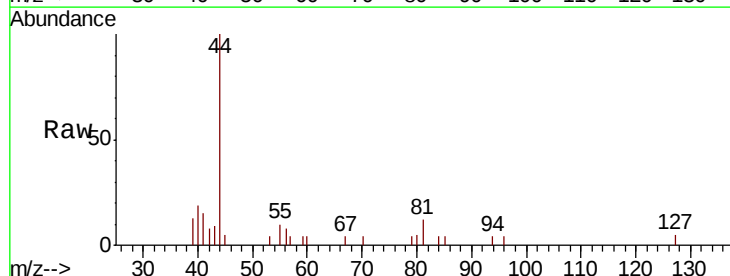
Tot Ion: 73 Resp: 80
 Ion Ratio Lower Upper
 73 100
 57 0.0 15.3 22.9#

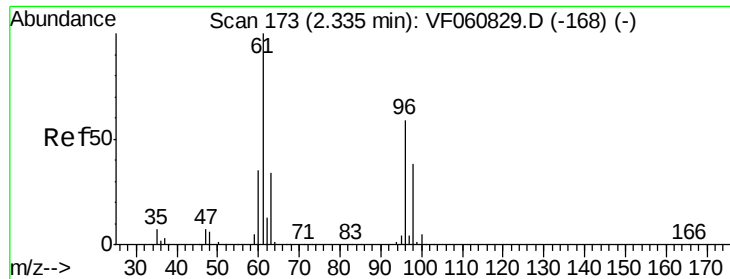


#20

Methylene Chloride
 Concen: 264.900 ug/l
 RT: 2.27 min Scan# 167
 Delta R.T. 0.02 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Tgt Ion: 84 Resp: 133
 Ion Ratio Lower Upper
 84 100
 49 0.0 111.3 166.9#
 51 0.0 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 135.158 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

WC-1RE

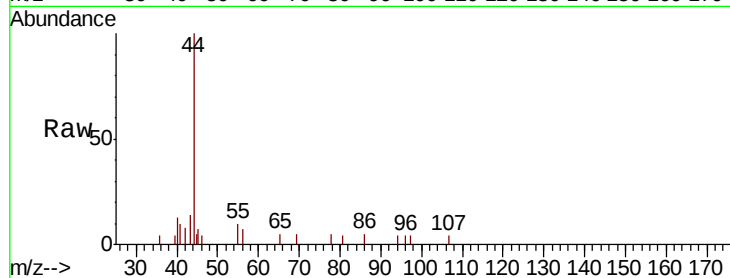
Tot Ion: 96 Resp: 65

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

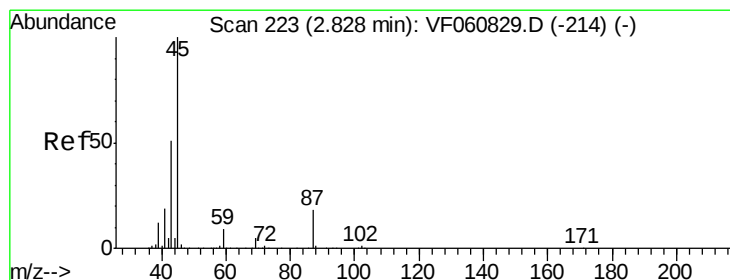
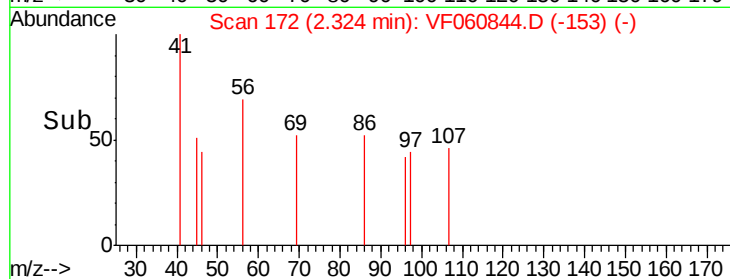
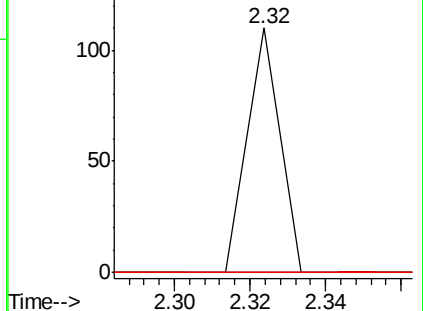
98 0.0 51.6 77.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 39.588 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.05 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Tgt Ion: 45 Resp: 67

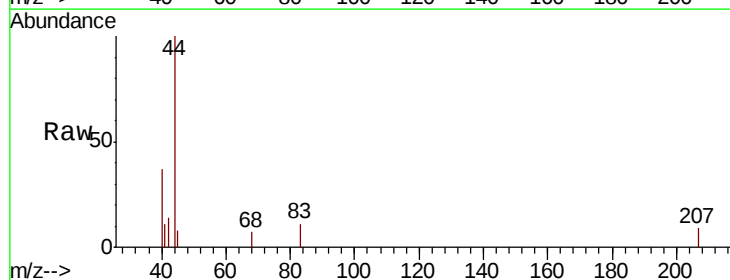
Ion Ratio Lower Upper

45 100

43 0.0 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

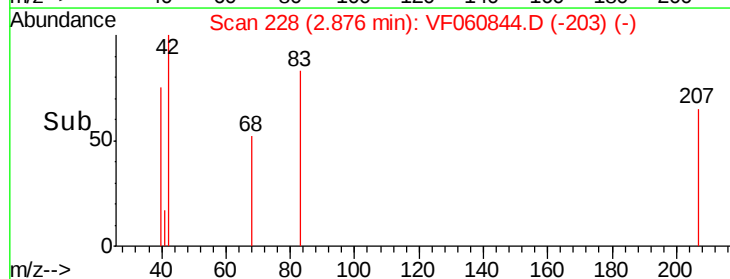
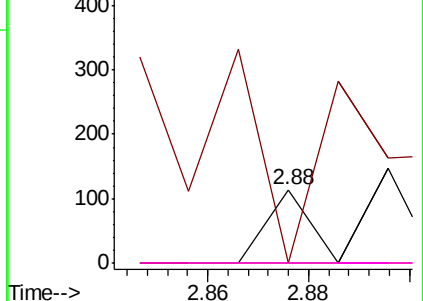


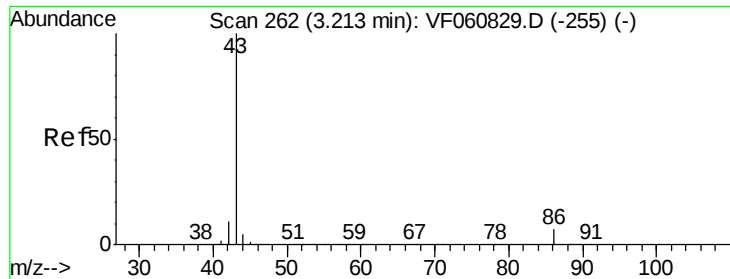
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 452.418 ug/l

RT: 3.26 min Scan# 267

Delta R.T. 0.05 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

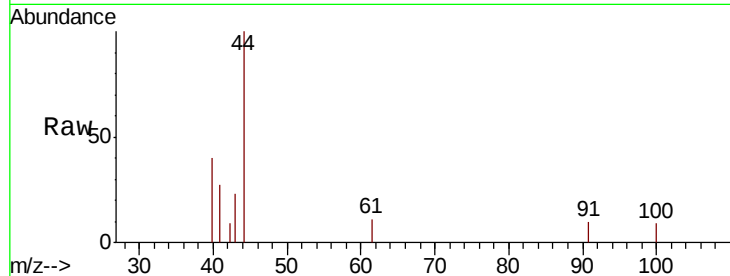
WC-1RE

Tot Ion: 43 Resp: 350

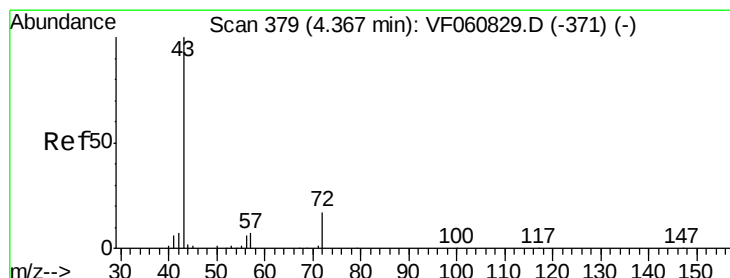
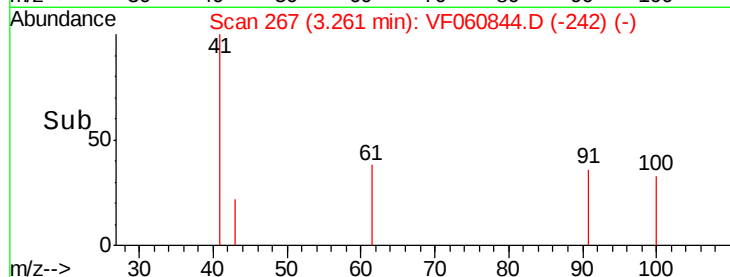
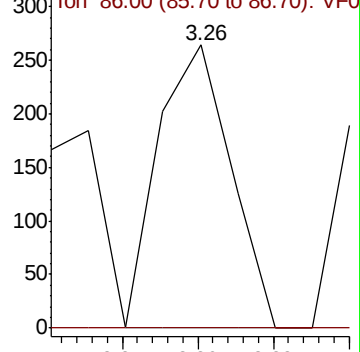
Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#25

2-Butanone

Concen: 1698.225 ug/l

RT: 4.40 min Scan# 383

Delta R.T. 0.04 min

Lab File: VF060844.D

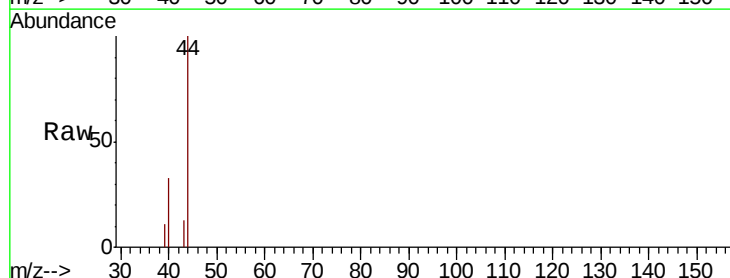
Acq: 27 Nov 2018 17:53

Tgt Ion: 43 Resp: 402

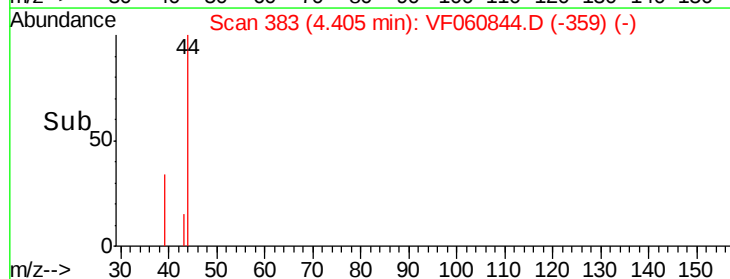
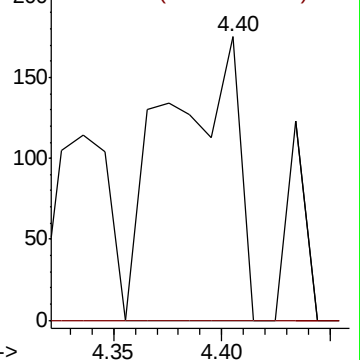
Ion Ratio Lower Upper

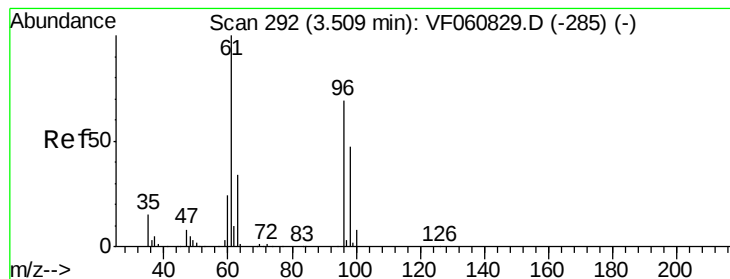
43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0



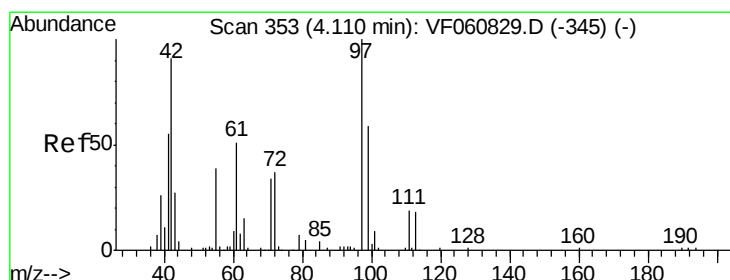
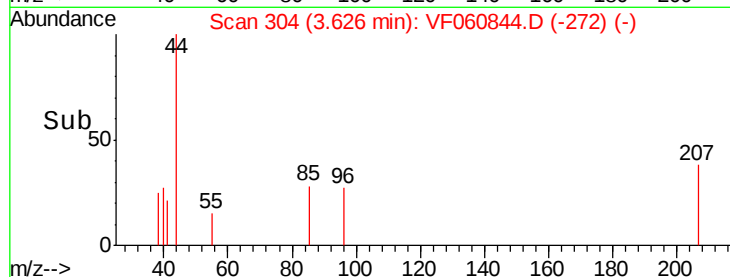
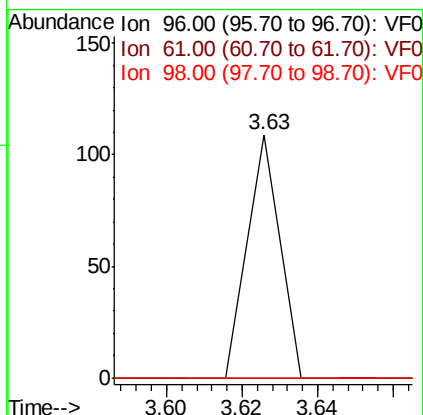
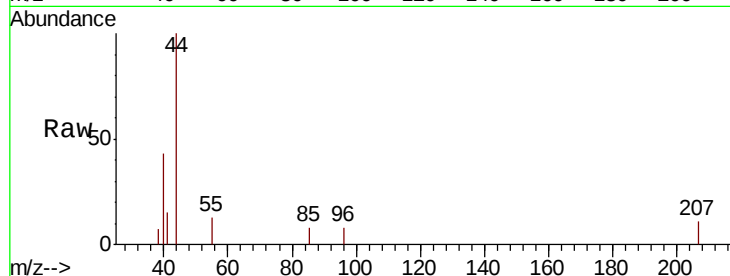


#27

cis-1,2-Dichloroethene
 Concen: 83.020 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.12 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-1RE

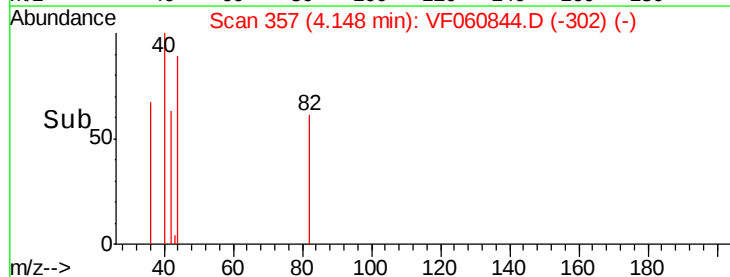
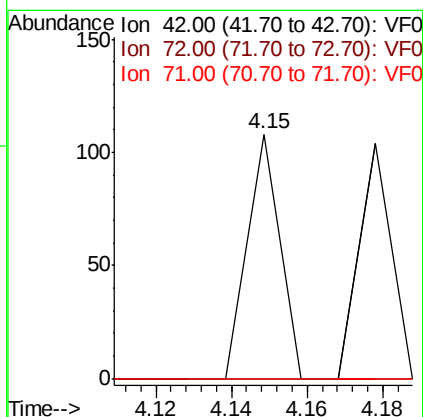
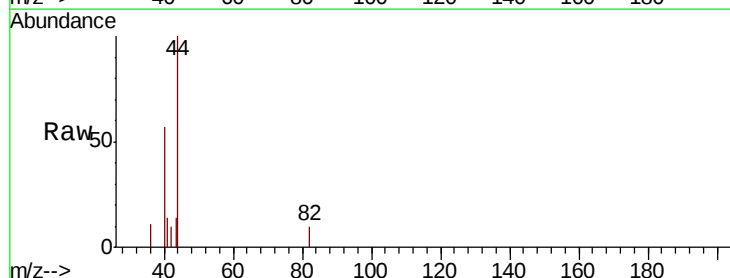
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	290.6
98	0.0	0.0	137.8

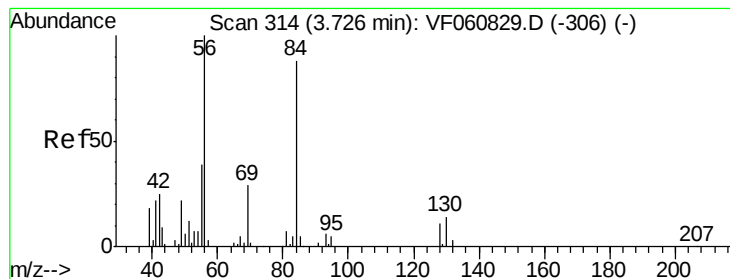


#29

Tetrahydrofuran
 Concen: 637.824 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.04 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#





#31

Cyclohexane

Concen: 136.842 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060844.D

Acq: 27 Nov 2018 17:53

Instrument :

MSVOA_F

ClientSampleId :

WC-1RE

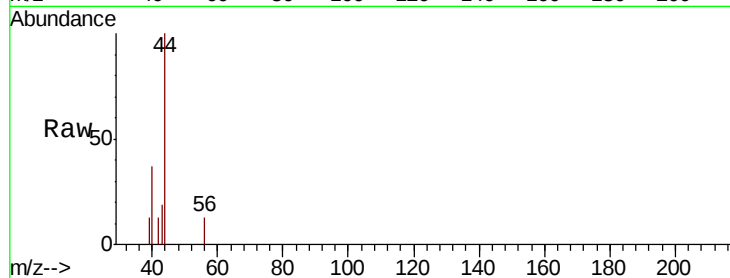
Tot Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

69 0.0 23.0 34.4#

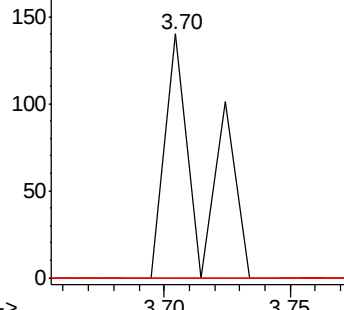
84 0.0 70.4 105.6#



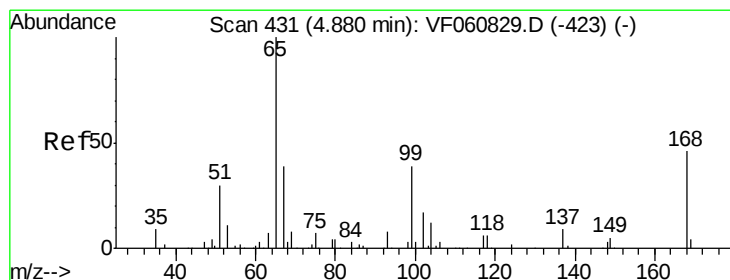
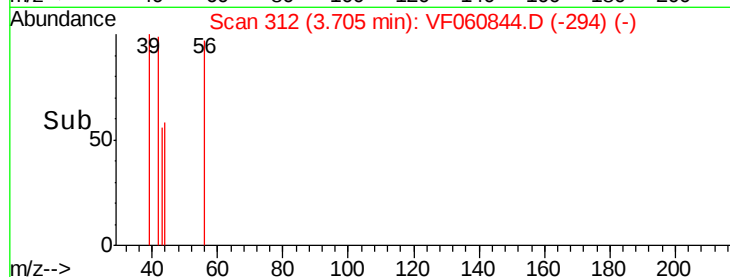
Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 90.277 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.06 min

Lab File: VF060844.D

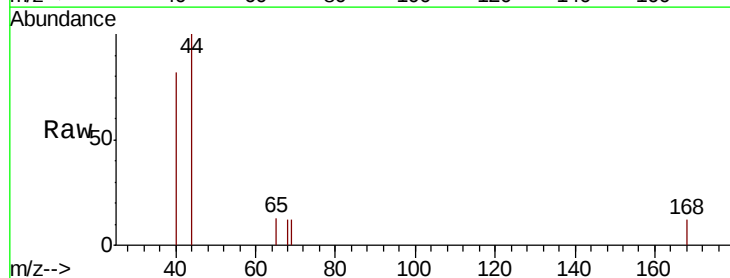
Acq: 27 Nov 2018 17:53

Tgt Ion: 65 Resp: 67

Ion Ratio Lower Upper

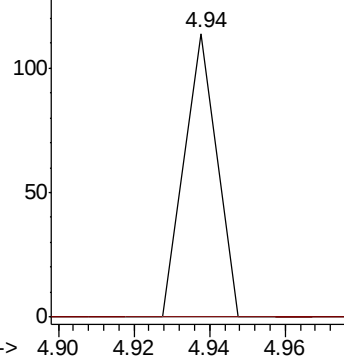
65 100

67 0.0 0.0 96.4

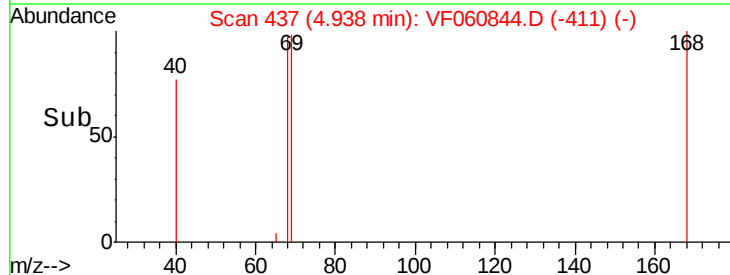


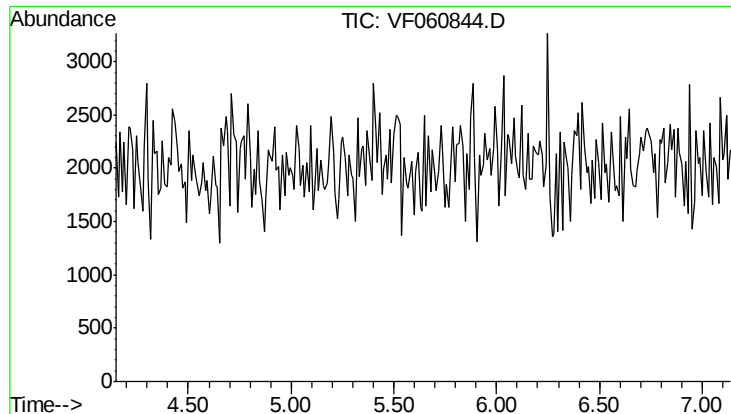
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->



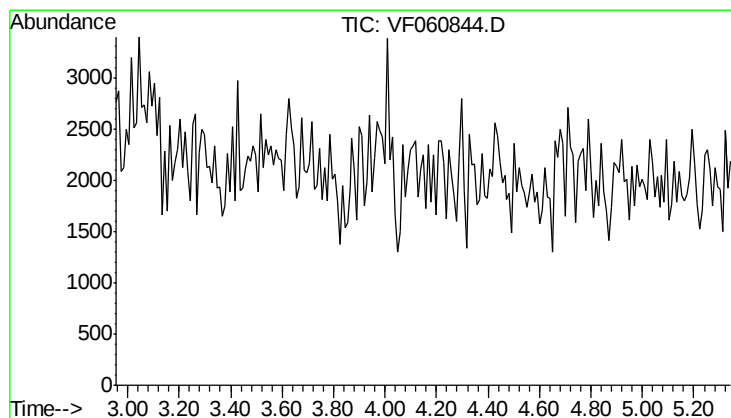
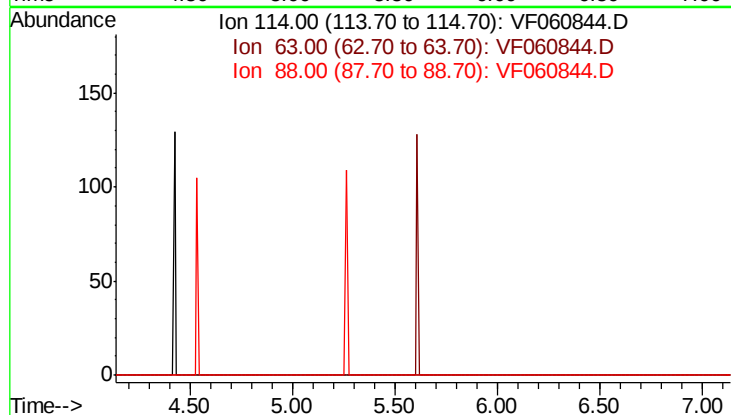


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.64 min

Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-1RE

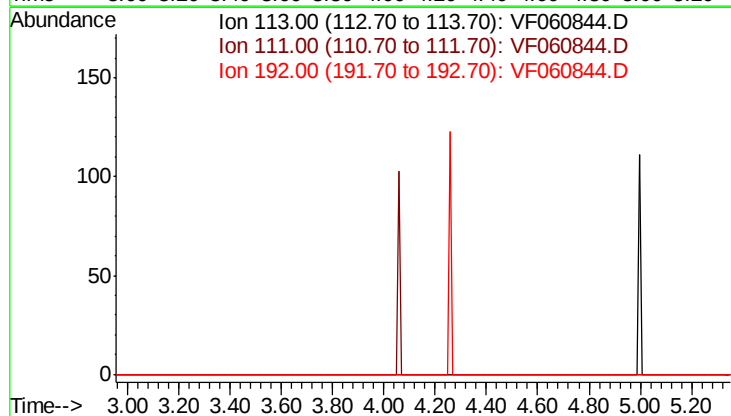
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 20.8
 88 18.3

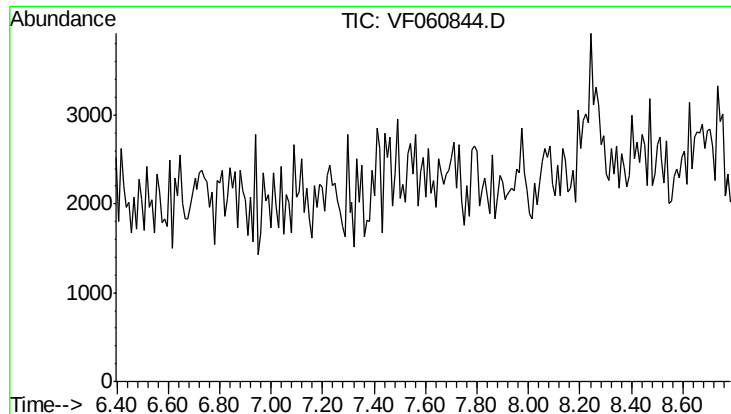


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.15 min

Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 103.8
 192 15.4



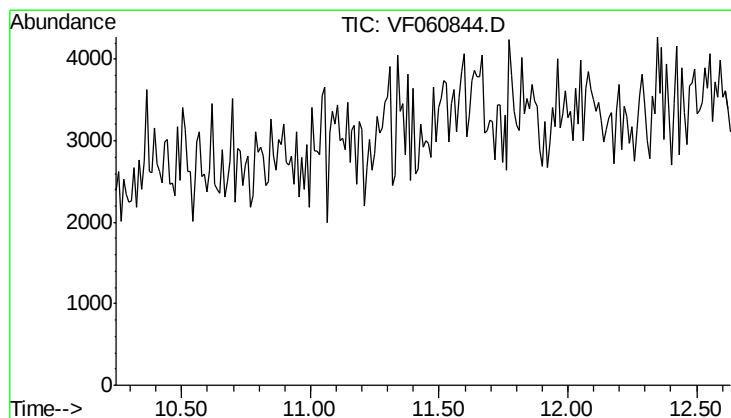
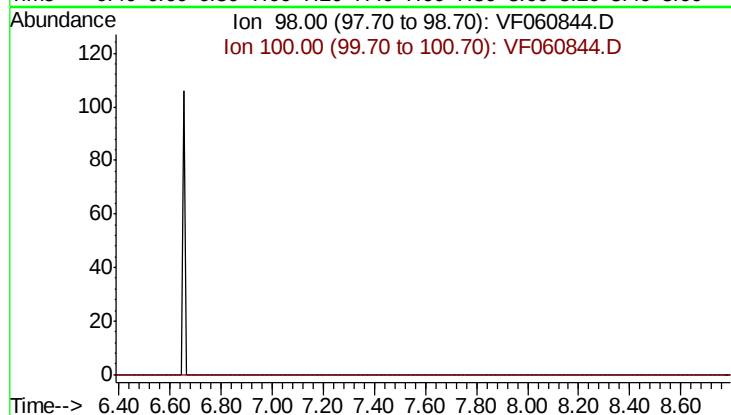


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.59 min

Lab File: VF060844.D
Acq: 27 Nov 2018 17:53

Instrument :
MSVOA_F
ClientSampleId :
WC-1RE

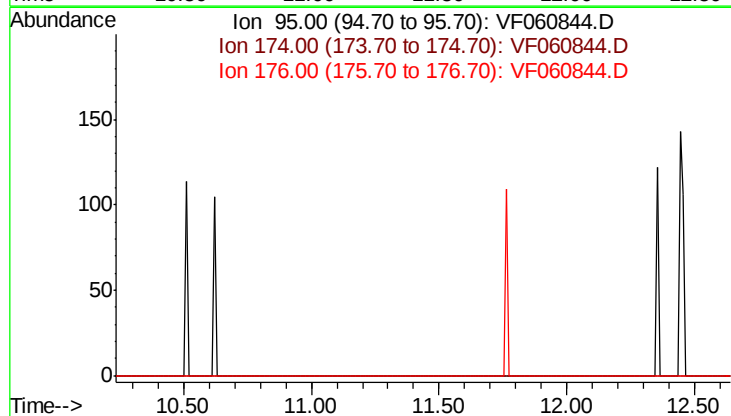
Tot Ion: 98
Sig Exp Ratio
98 100
100 74.1

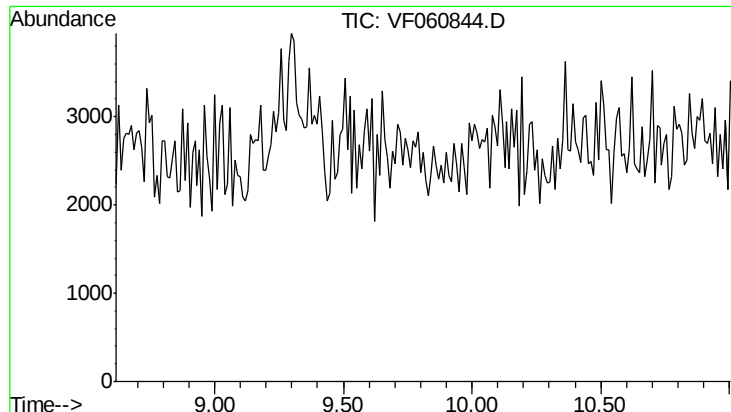


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.44 min

Lab File: VF060844.D
Acq: 27 Nov 2018 17:53

Tgt Ion: 95
Sig Exp Ratio
95 100
174 69.1
176 73.1

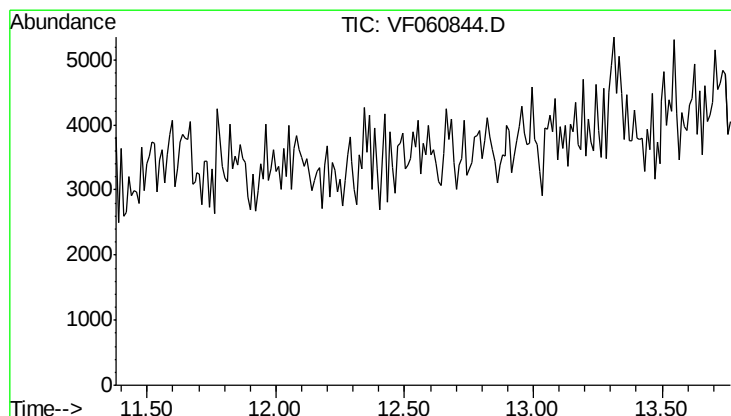
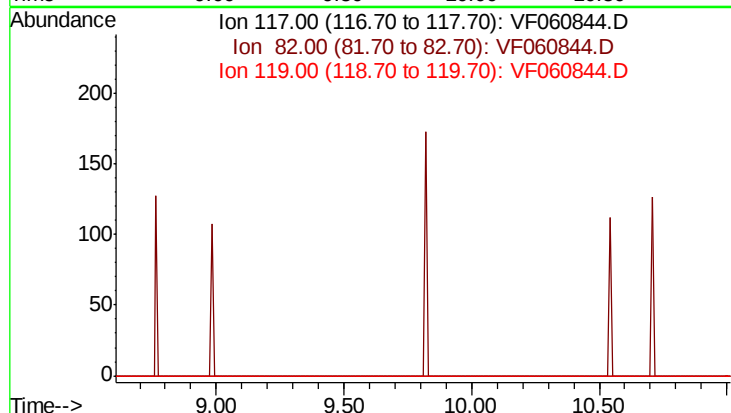




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.81 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-1RE

Tot Ion	117
Sig	Exp Ratio
117	100
82	58.2
119	33.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.57 min
 Lab File: VF060844.D
 Acq: 27 Nov 2018 17:53

Tgt Ion	152
Sig	Exp Ratio
152	100
115	60.3
150	163.8

