

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061033.D
 Acq On : 14 Dec 2018 21:29
 Operator : VA/AP
 Sample : J6403-61RE
 Misc : 5.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:09:31 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

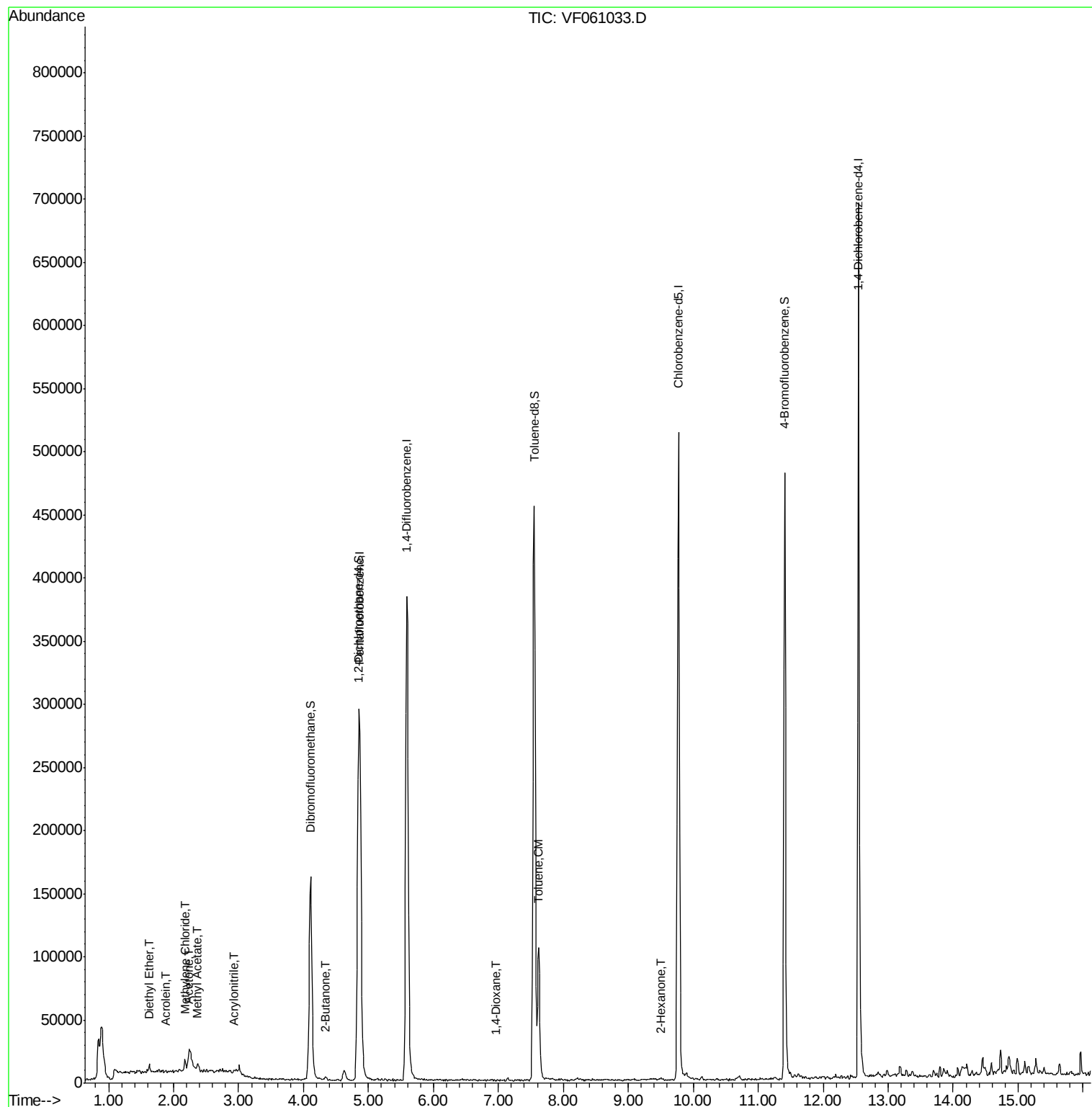
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	229255	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	433478	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	362177	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	171551	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	138038	51.11	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.22%	
35) Dibromofluoromethane	4.11	113	155133	45.11	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.22%	
50) Toluene-d8	7.55	98	385074	38.01	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	76.02%	
62) 4-Bromofluorobenzene	11.41	95	179633	39.02	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.04%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	2140	3.334	ug/l	57
13) Acrolein	1.89	56	474	4.519	ug/l	85
15) Acrylonitrile	2.92	53	420	1.692	ug/l #	11
16) Acetone	2.24	43	15772	31.669	ug/l #	88
18) Methyl Acetate	2.37	43	3247	2.311	ug/l #	61
20) Methylene Chloride	2.18	84	3709	2.030	ug/l	96
25) 2-Butanone	4.34	43	5795	6.727	ug/l	92
41) Methacrylonitrile	4.76	41	399	Below Cal	#	54
43) Isopropyl Acetate	6.91	43	698	Below Cal	#	49
49) 1,4-Dioxane	6.96	88	63	4.867	ug/l #	3
52) Toluene	7.62	92	57651	7.727	ug/l	95
59) 2-Hexanone	9.51	43	1581	1.251	ug/l	94
95) Naphthalene	14.45	128	8602	Below Cal	#	92

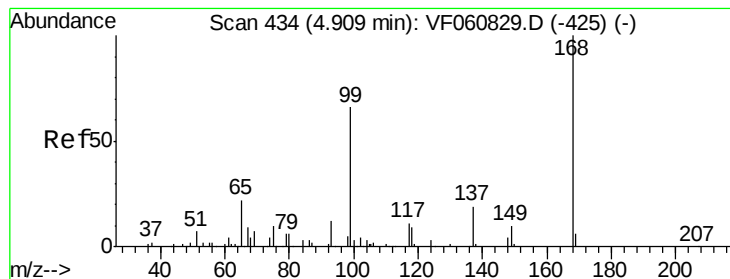
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
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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: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

Instrument :

MSVOA_F

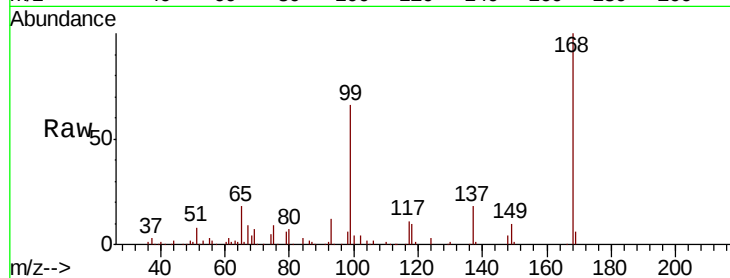
ClientSampleId :

Tot Ion:168 Resp: 229255

Ion Ratio Lower Upper

168 100

99 66.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

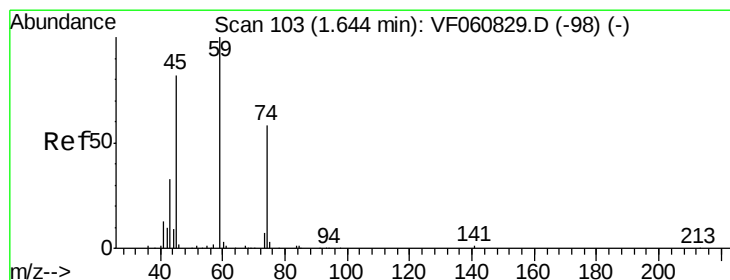
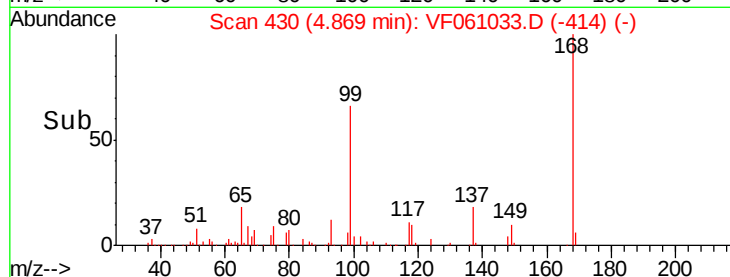
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 3.334 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061033.D

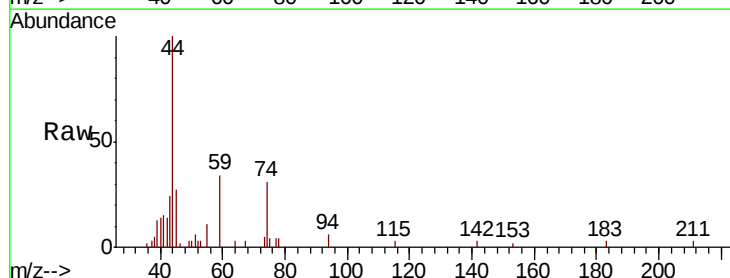
Acq: 14 Dec 2018 21:29

Tgt Ion: 74 Resp: 2140

Ion Ratio Lower Upper

74 100

45 89.2 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

1500

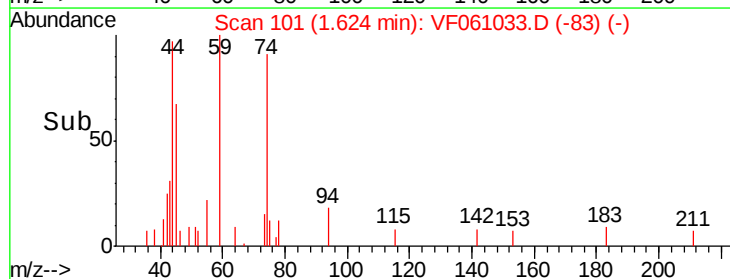
1000

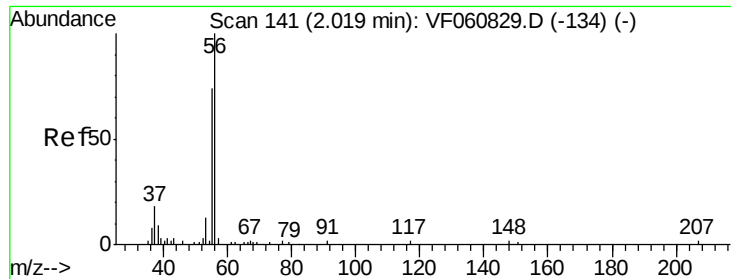
500

0

Time-->

1.60 1.65 1.70





#13

Acrolein

Concen: 4.519 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.13 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

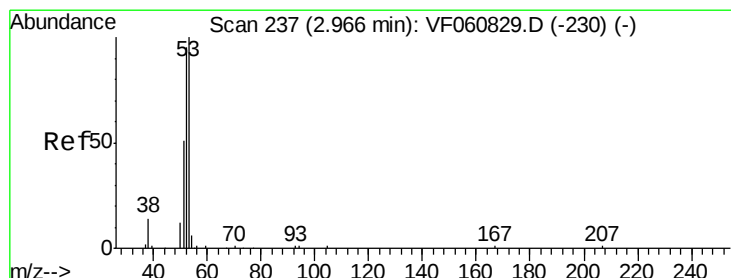
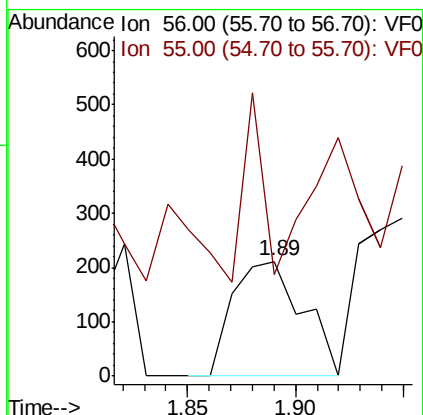
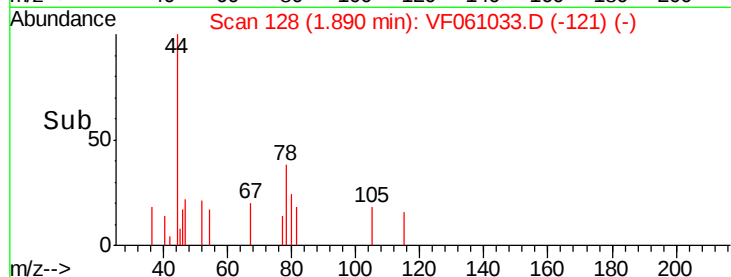
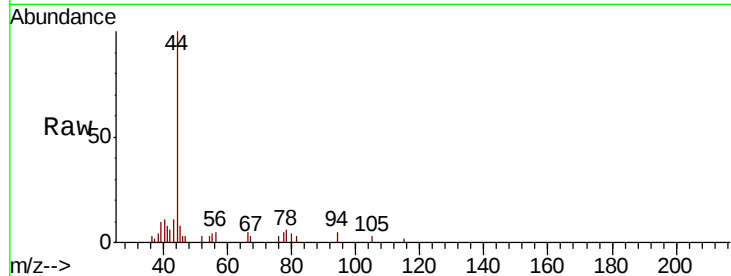
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 474

Ion Ratio Lower Upper

56 100

55 89.1 61.2 91.8



#15

Acrylonitrile

Concen: 1.692 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.05 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

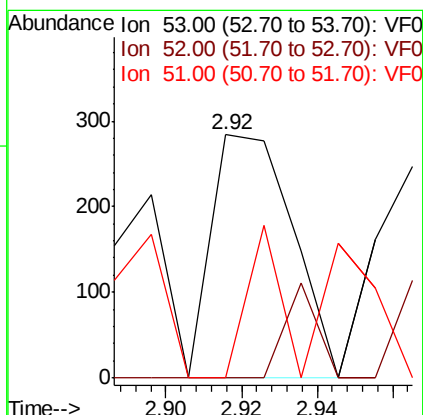
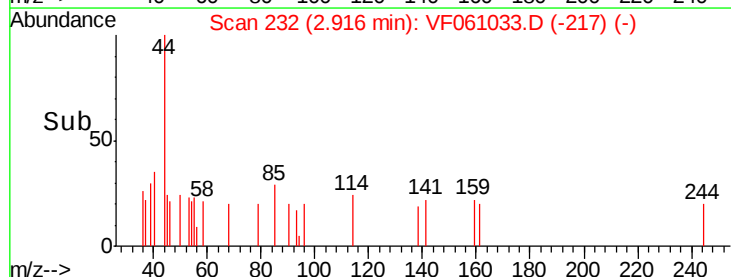
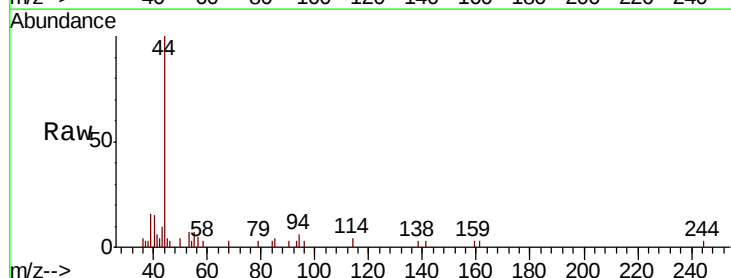
Tgt Ion: 53 Resp: 420

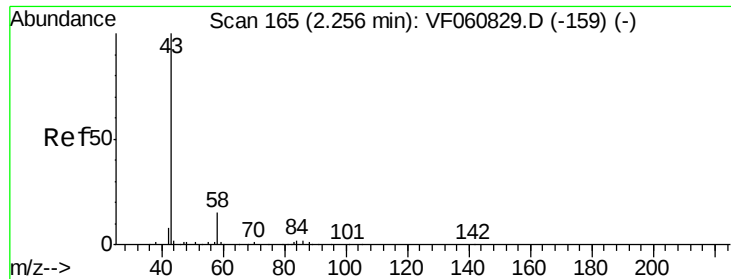
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#

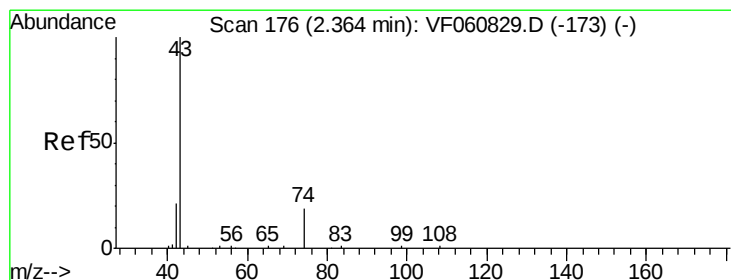
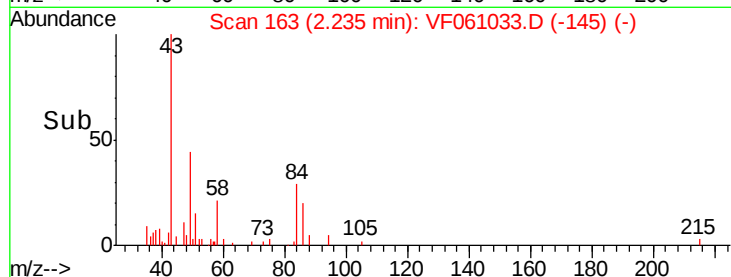
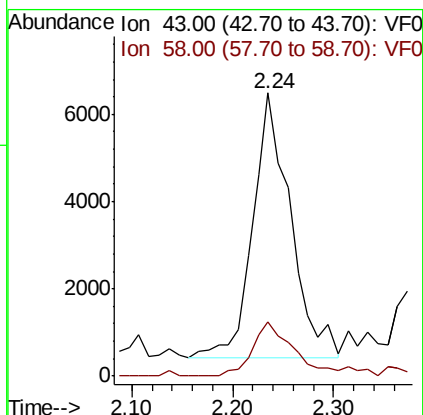
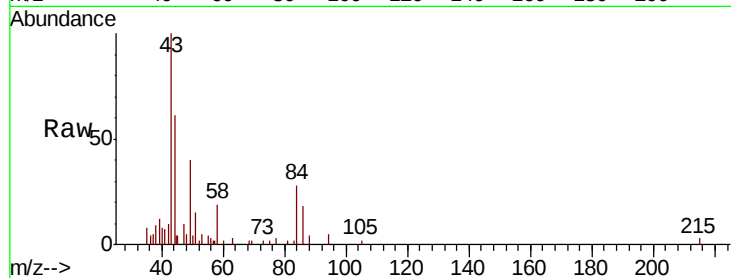




#16
Acetone
Concen: 31.669 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

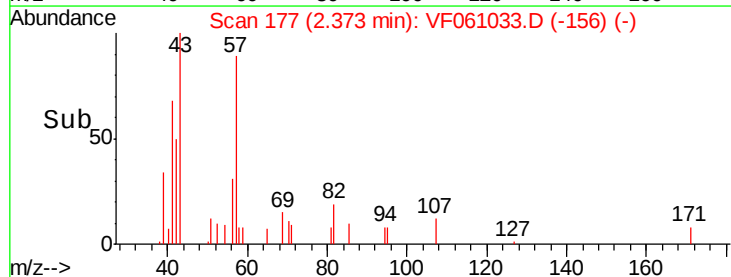
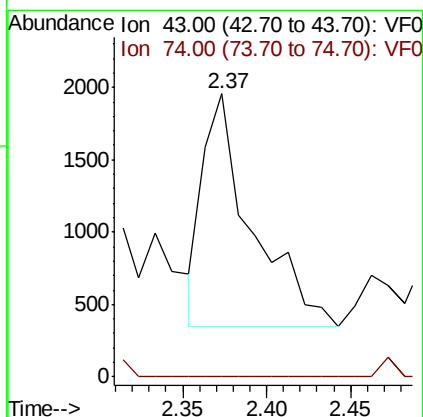
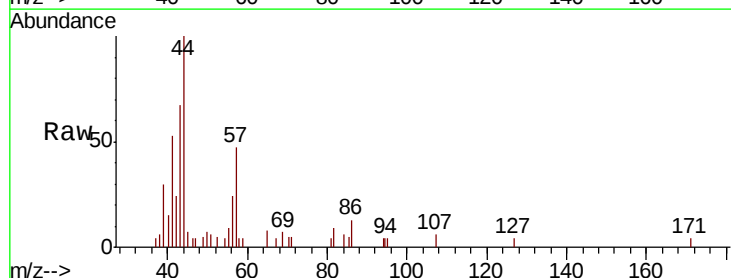
Instrument :
MSVOA_F
ClientSampleId :

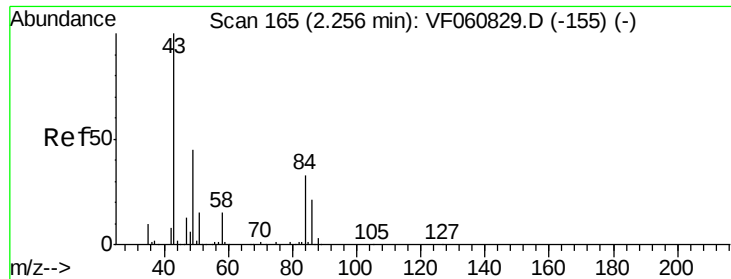
Tot Ion: 43 Resp: 15772
Ion Ratio Lower Upper
43 100
58 19.2 11.4 17.2#



#18
Methyl Acetate
Concen: 2.311 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#

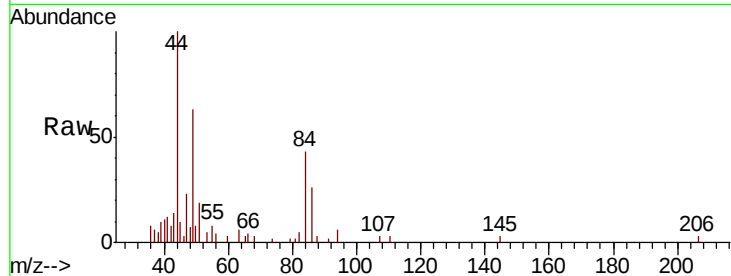




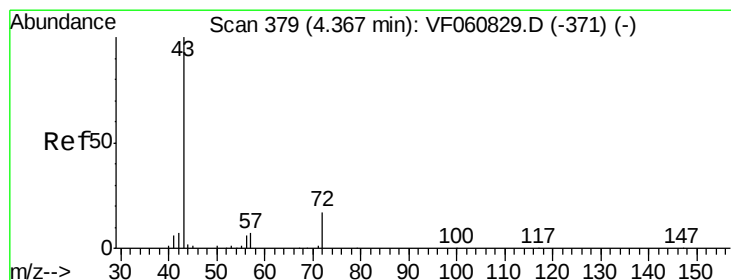
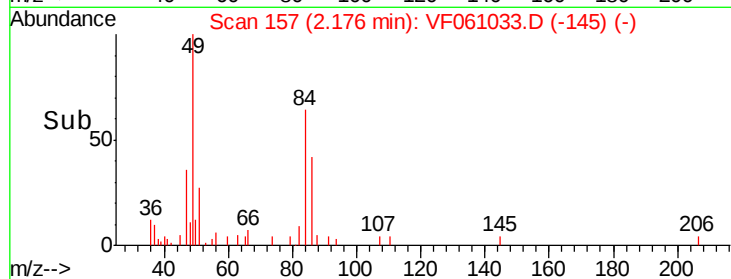
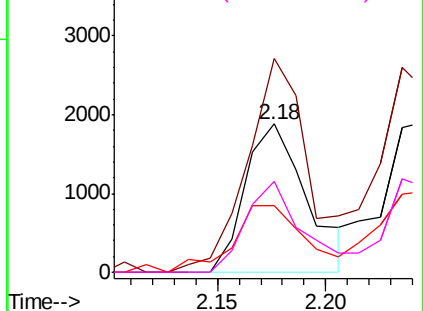
#20
Methvlene Chloride
Concen: 2.030 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.08 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 3709
Ion Ratio Lower Upper
84 100
49 144.0 111.3 166.9
51 44.7 38.0 57.0
86 60.9 49.8 74.8

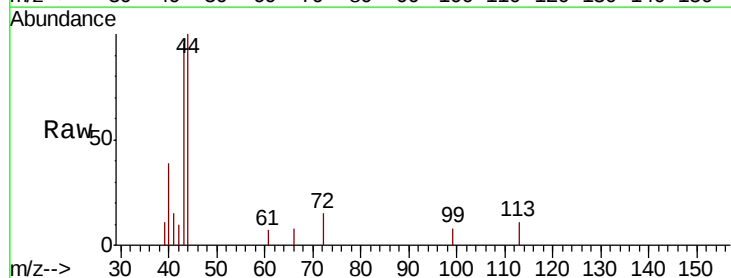


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

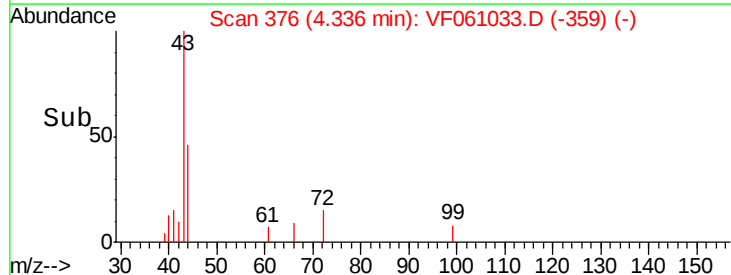
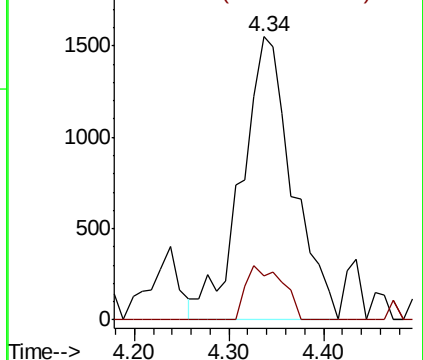


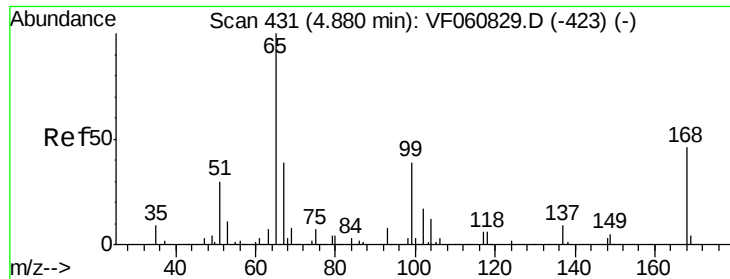
#25
2-Butanone
Concen: 6.727 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.03 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

Tgt Ion: 43 Resp: 5795
Ion Ratio Lower Upper
43 100
72 15.5 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0

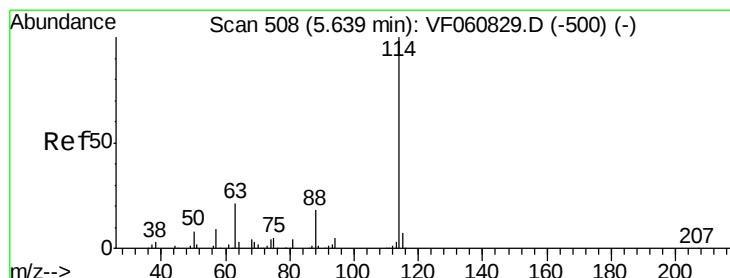
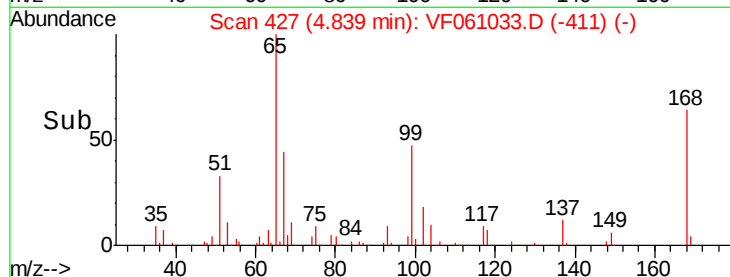
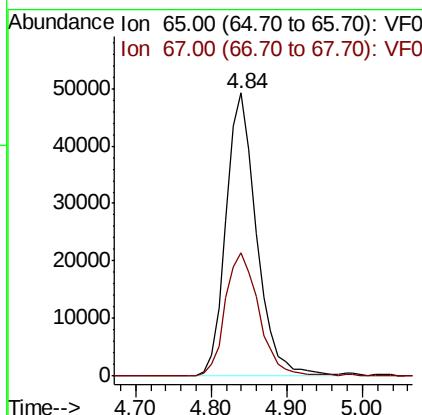
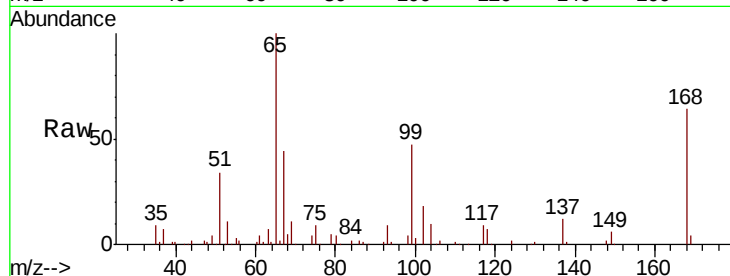




#33
 1,2-Dichloroethane-d4
 Concen: 51.112 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF061033.D
 Acq: 14 Dec 2018 21:29

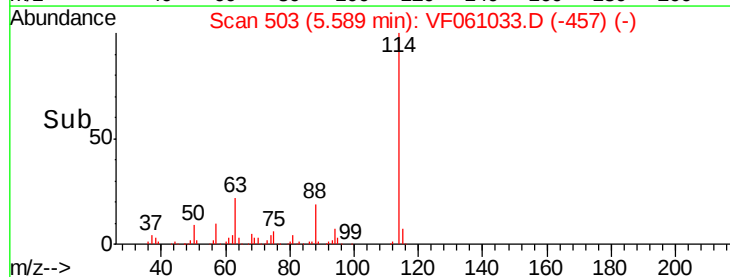
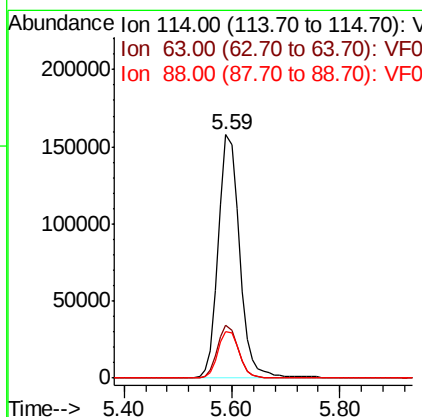
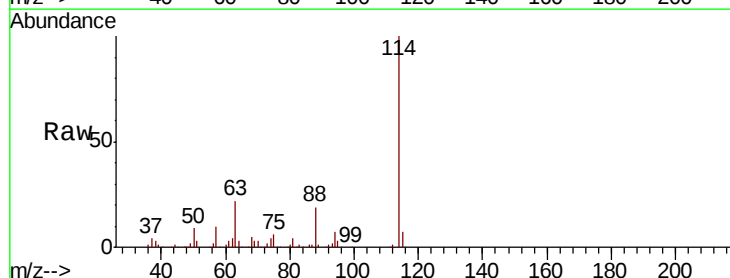
Instrument :
 MSVOA_F
 ClientSampled :

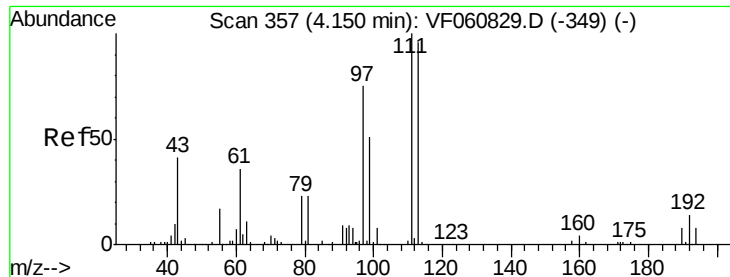
Tot Ion: 65 Resp: 138038
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061033.D
 Acq: 14 Dec 2018 21:29

Tgt Ion: 114 Resp: 433478
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 19.1 0.0 36.6

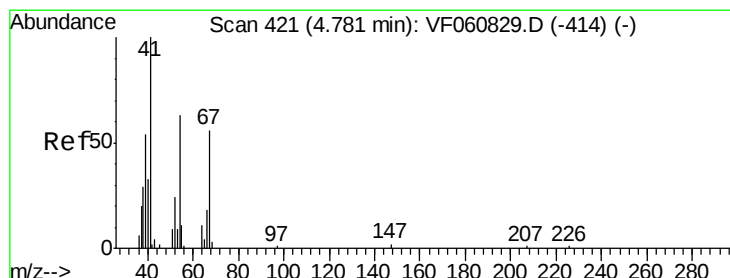
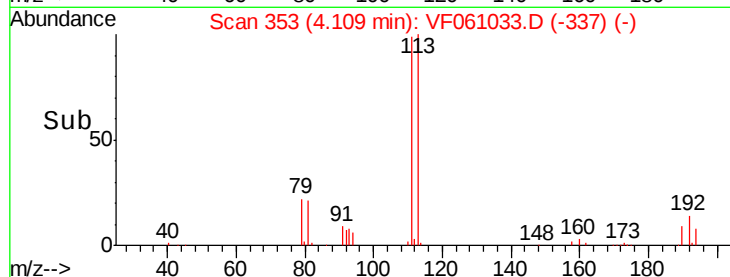
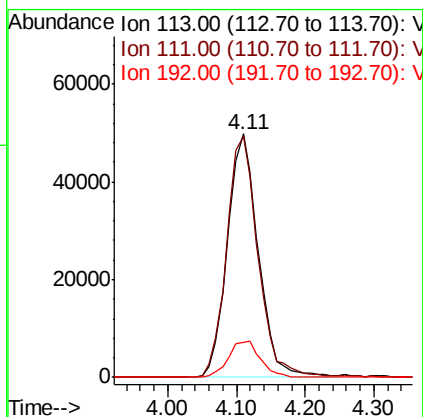
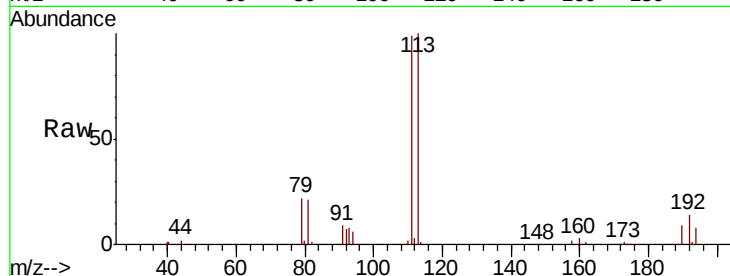




#35
Dibromofluoromethane
Concen: 45.111 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

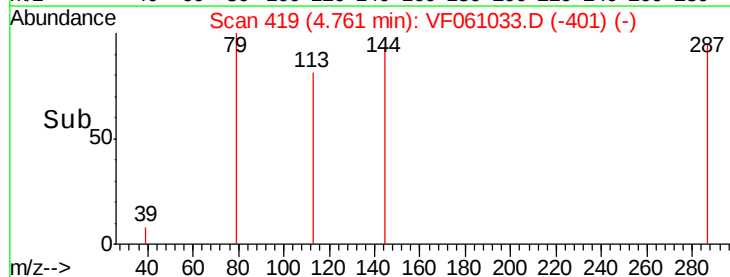
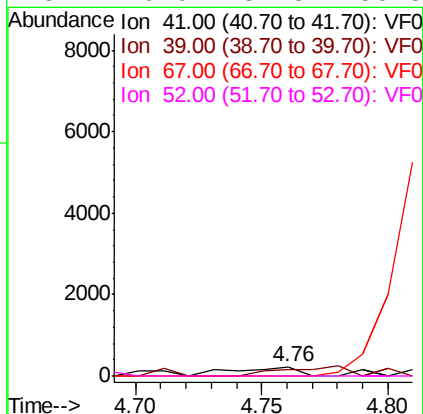
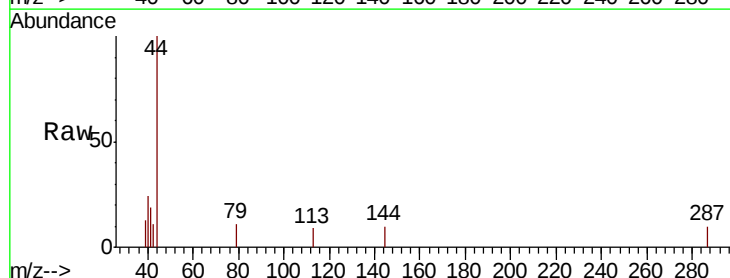
Instrument :
MSVOA_F
ClientSampleId :

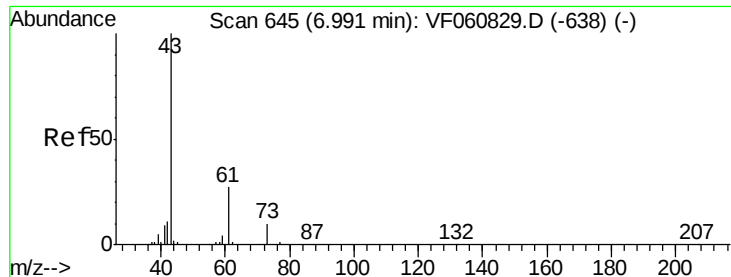
Tot Ion:113 Resp: 155133
Ion Ratio Lower Upper
113 100
111 98.8 83.0 124.6
192 14.4 12.3 18.5



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

Tgt Ion: 41 Resp: 399
Ion Ratio Lower Upper
41 100
39 68.6 53.0 79.6
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



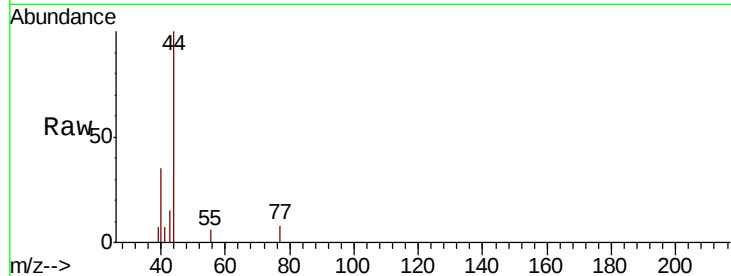


#43

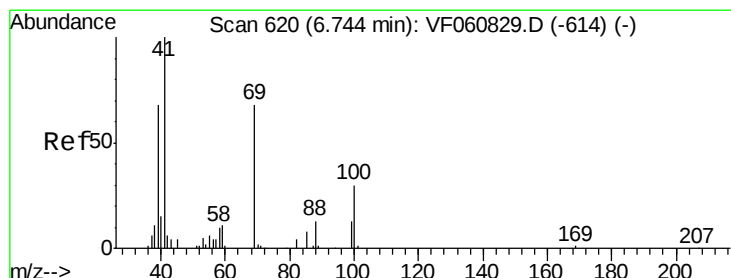
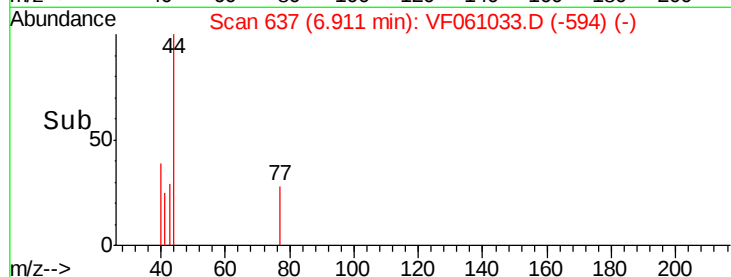
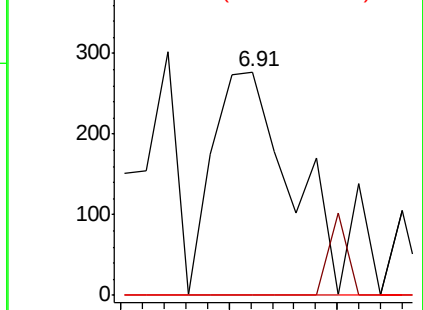
Isopropyl Acetate
 Concen: Below Cal
 RT: 6.91 min Scan# 637
 Delta R.T. -0.08 min
 Lab File: VF061033.D
 Acq: 14 Dec 2018 21:29

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 698
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#



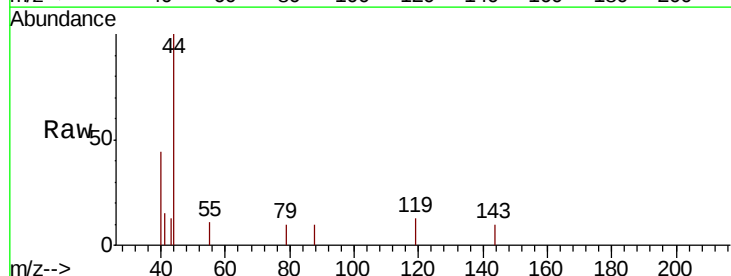
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



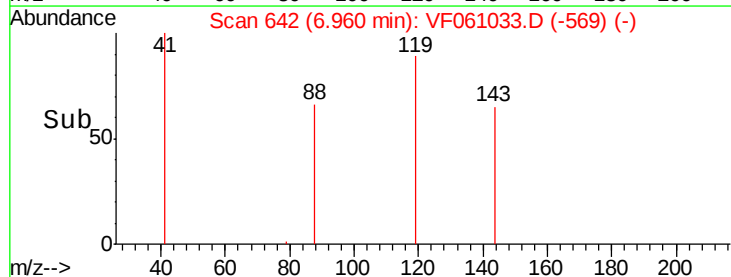
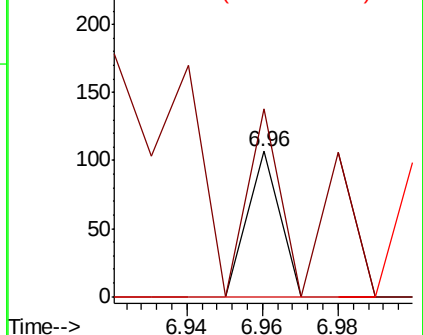
#49

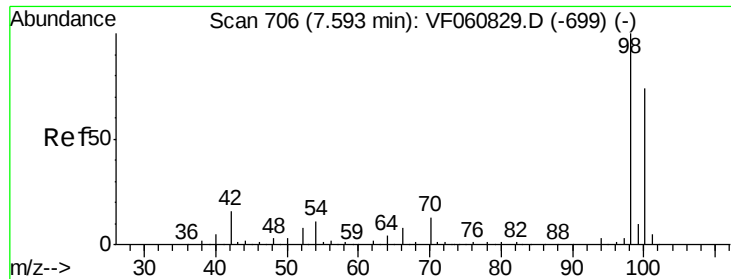
1,4-Dioxane
 Concen: 4.867 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.22 min
 Lab File: VF061033.D
 Acq: 14 Dec 2018 21:29

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 129.0 42.0 63.0#
 58 0.0 61.8 92.8#



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: 38.013 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

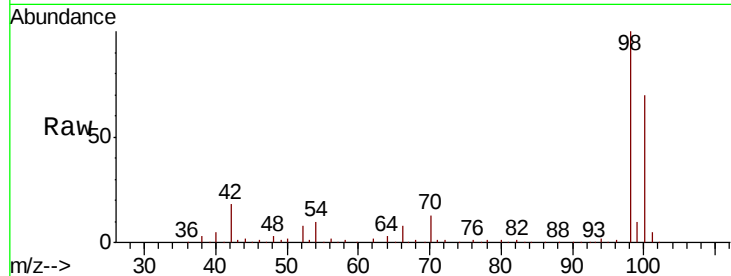
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 385074

Ion Ratio Lower Upper

98 100

100 69.6 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

150000

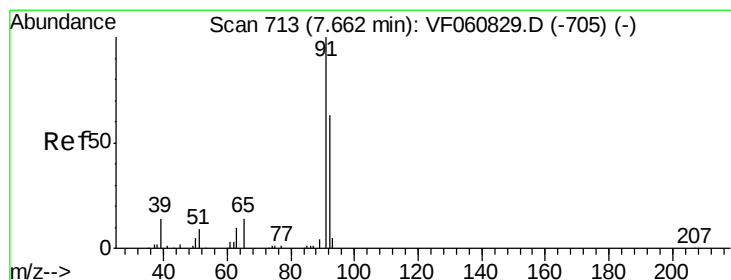
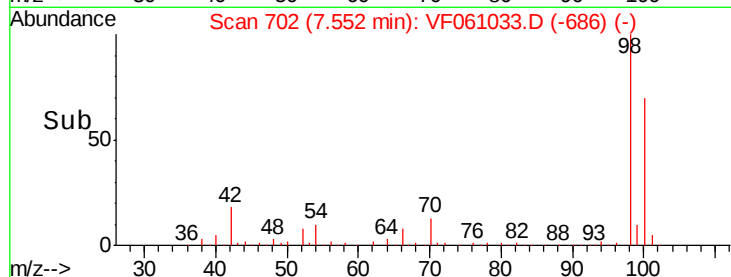
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#52

Toluene

Concen: 7.727 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF061033.D

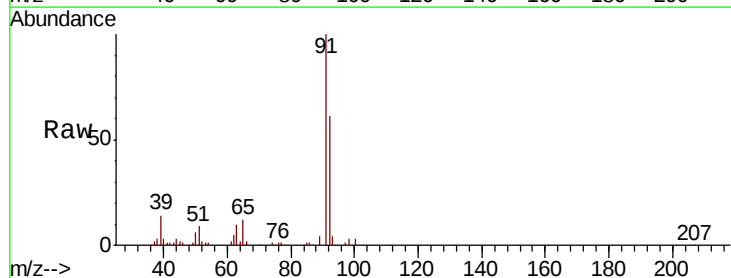
Acq: 14 Dec 2018 21:29

Tgt Ion: 92 Resp: 57651

Ion Ratio Lower Upper

92 100

91 163.7 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

40000

30000

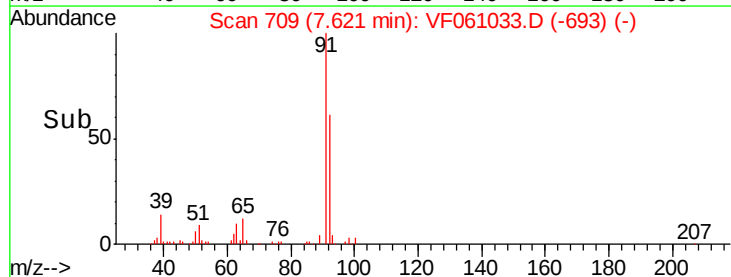
20000

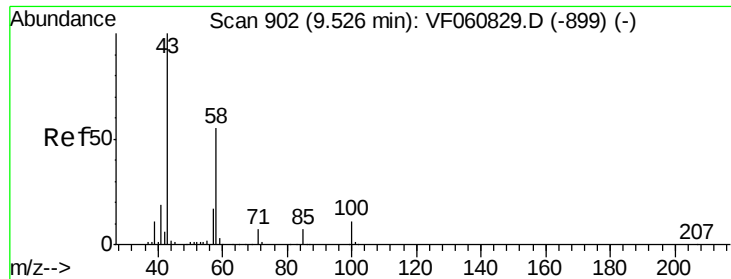
10000

0

Time-->

7.50 7.60 7.70 7.80

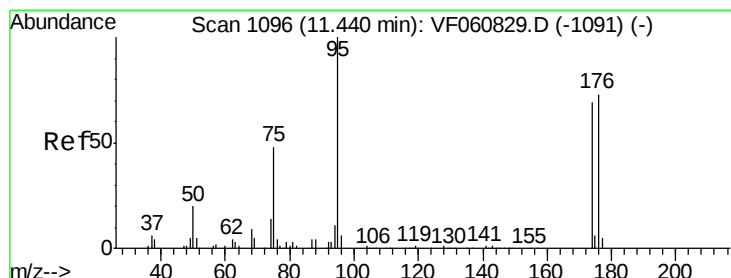
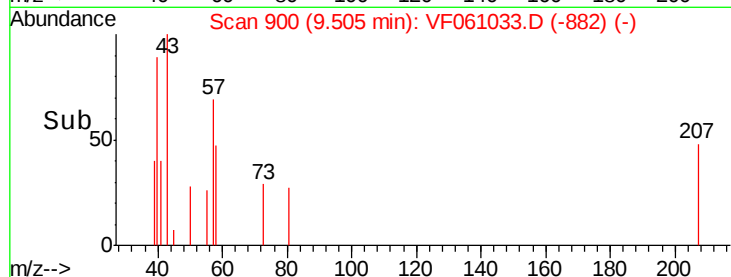
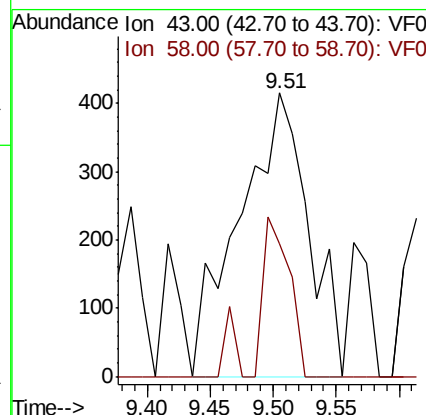
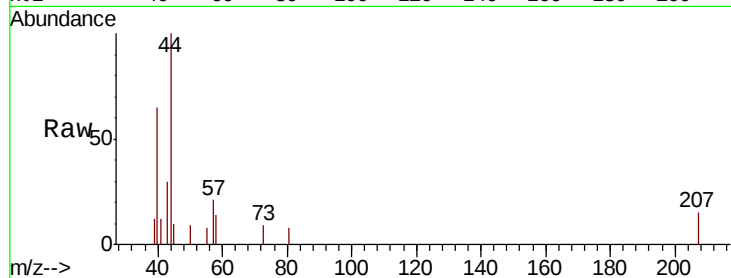




#59
2-Hexanone
Concen: 1.251 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

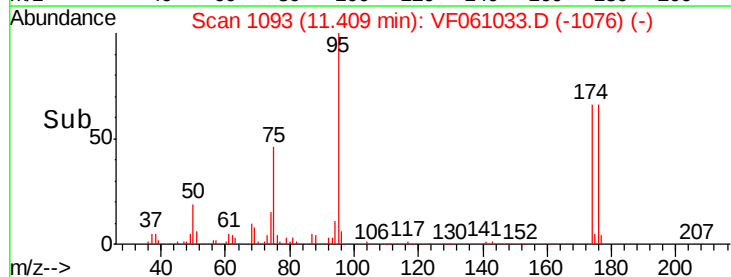
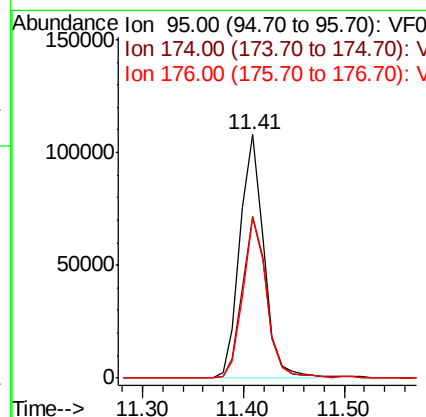
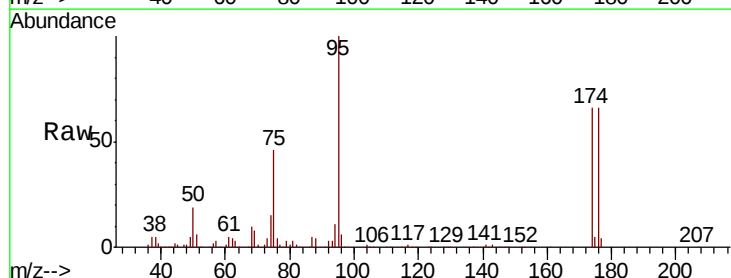
Instrument :
MSVOA_F
ClientSampled :

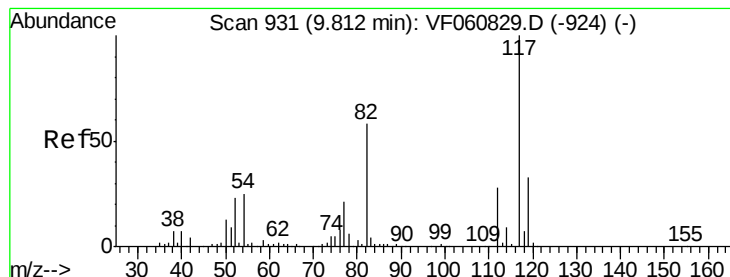
Tot Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 46.7 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 39.017 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF061033.D
Acq: 14 Dec 2018 21:29

Tgt Ion: 95 Resp: 179633
Ion Ratio Lower Upper
95 100
174 66.5 0.0 138.2
176 66.1 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

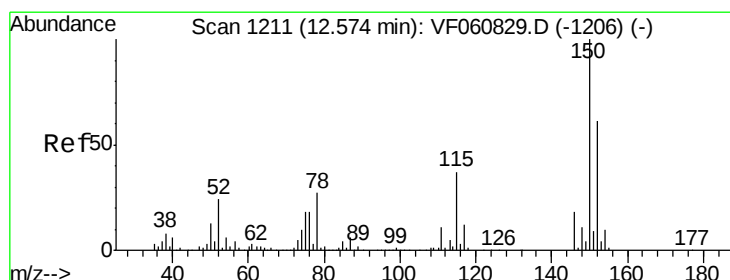
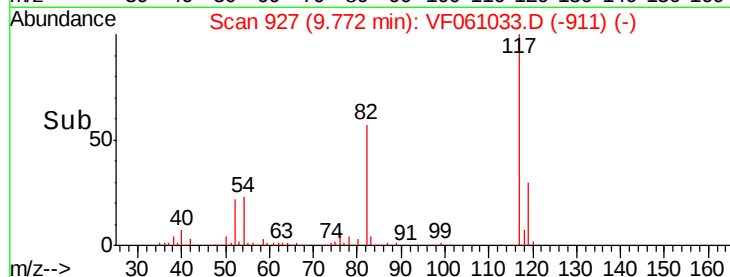
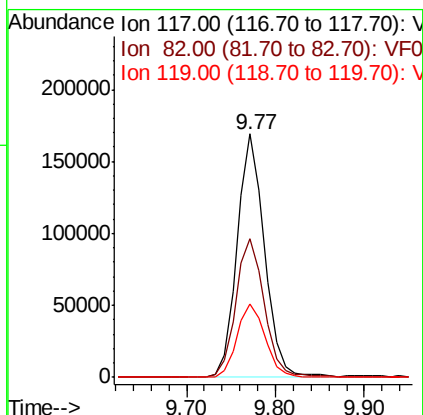
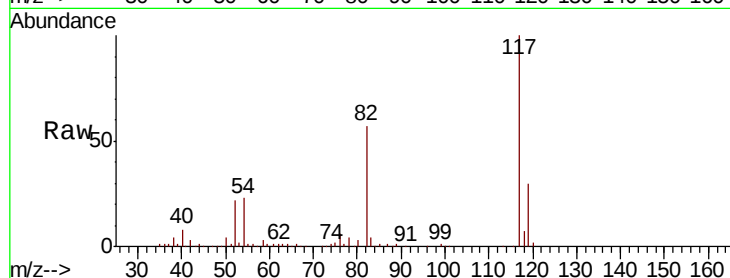
Delta R.T. -0.04 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117	Resp:	362177
Ion Ratio	Lower	Upper
117 100		
82 56.8	46.6	69.8
119 30.3	26.4	39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

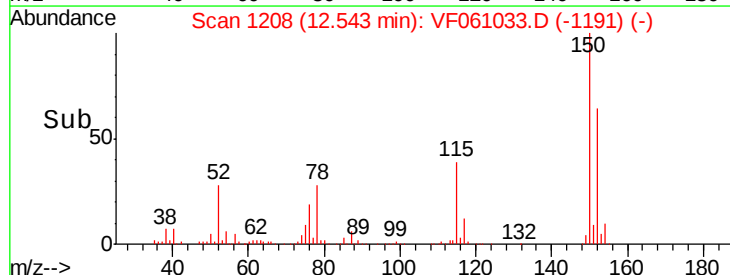
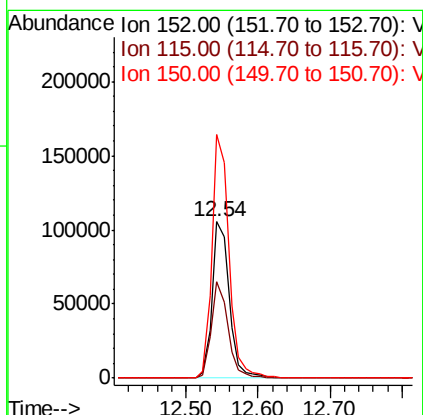
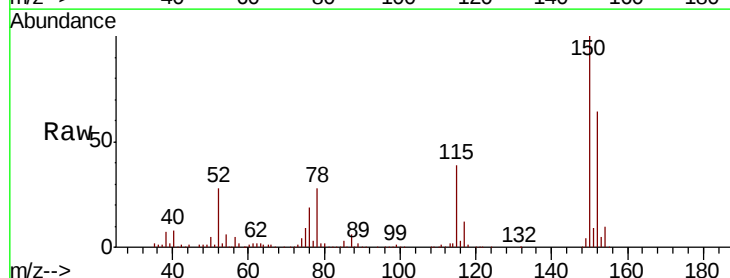
RT: 12.54 min Scan# 1208

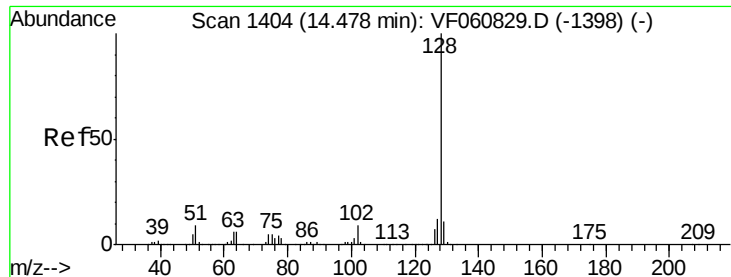
Delta R.T. -0.03 min

Lab File: VF061033.D

Acq: 14 Dec 2018 21:29

Tgt Ion:152	Resp:	171551
Ion Ratio	Lower	Upper
152 100		
115 61.3	30.1	90.5
150 155.7	0.0	327.6





#95
 Naphthalene
 Concen: Below Cal
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061033.D
 Acq: 14 Dec 2018 21:29

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	17.0	9.1	13.7

