

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061030.D
 Acq On : 14 Dec 2018 20:03
 Operator : VA/AP
 Sample : J6403-49RE
 Misc : 5.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:08:48 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

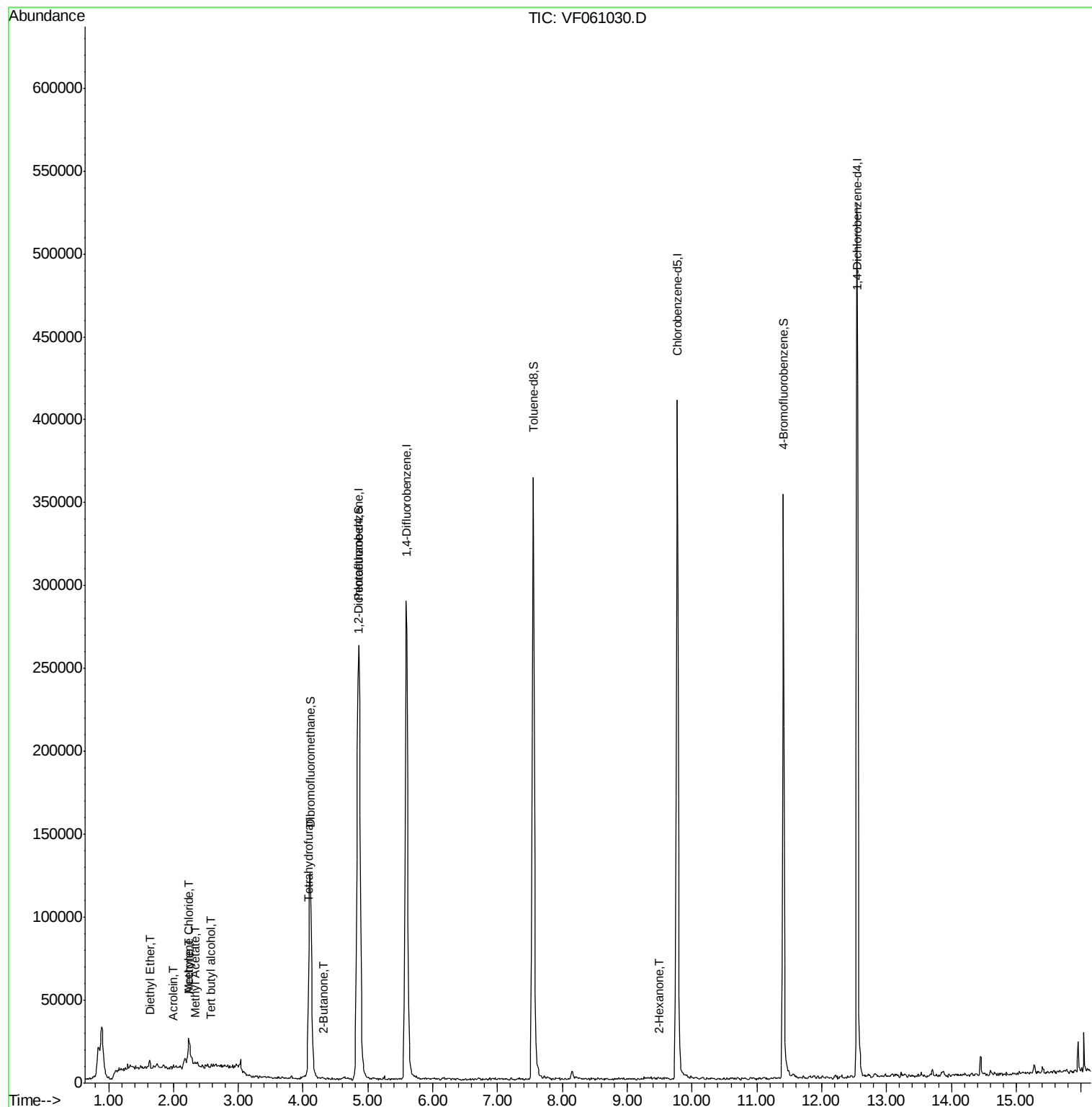
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	193194	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	334186	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	288687	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	129427	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	107122	47.07	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.14%	
35) Dibromofluoromethane	4.11	113	119796	45.19	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.38%	
50) Toluene-d8	7.55	98	311066	39.83	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	79.66%	
62) 4-Bromofluorobenzene	11.41	95	129219	36.41	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.82%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	856	1.582	ug/l	54
11) Tert butyl alcohol	2.59	59	566	6.067	ug/l #	1
13) Acrolein	1.99	56	400	4.525	ug/l	98
16) Acetone	2.23	43	21156	50.409	ug/l	96
18) Methyl Acetate	2.34	43	4129	4.357	ug/l #	82
20) Methylene Chloride	2.23	84	5614	3.646	ug/l #	83
25) 2-Butanone	4.33	43	931	1.283	ug/l #	57
29) Tetrahydrofuran	4.08	42	792	2.574	ug/l #	51
41) Methacrylonitrile	4.72	41	170	Below Cal	#	23
43) Isopropyl Acetate	6.92	43	664	Below Cal	#	49
59) 2-Hexanone	9.49	43	1231	1.263	ug/l	66
95) Naphthalene	14.45	128	7482	Below Cal	#	93

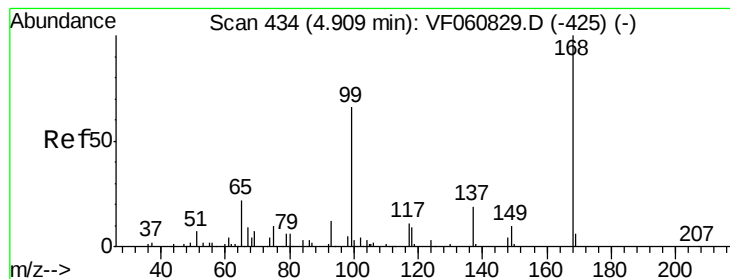
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
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Instrument :
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ClientSampleId :

Quant Time: Dec 15 00:08:48 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: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061030.D

Acq: 14 Dec 2018 20:03

Instrument :

MSVOA_F

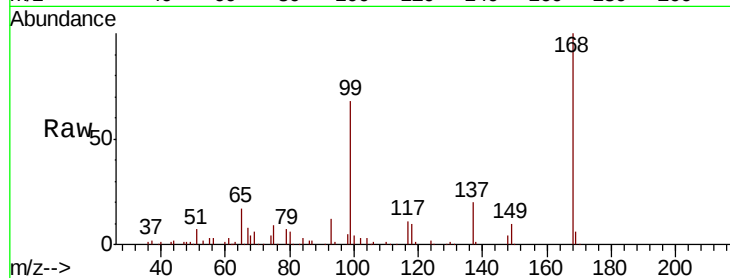
ClientSampled :

Tot Ion:168 Resp: 193194

Ion Ratio Lower Upper

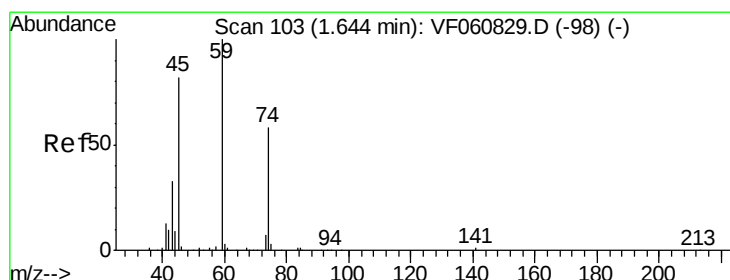
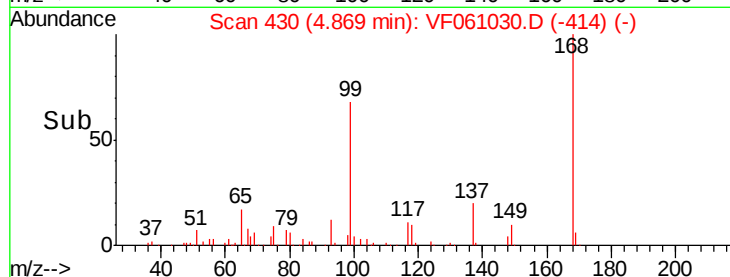
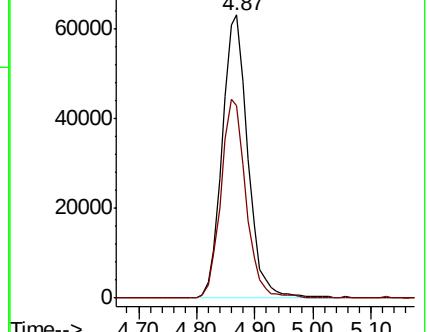
168 100

99 68.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.582 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061030.D

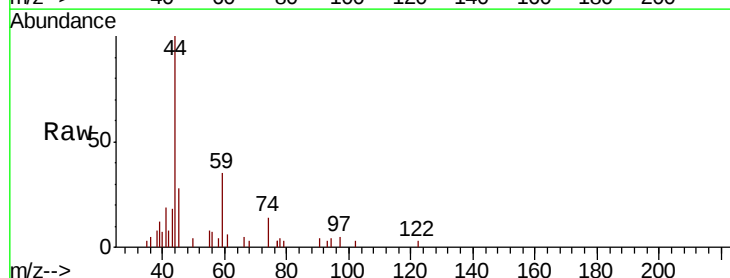
Acq: 14 Dec 2018 20:03

Tgt Ion: 74 Resp: 856

Ion Ratio Lower Upper

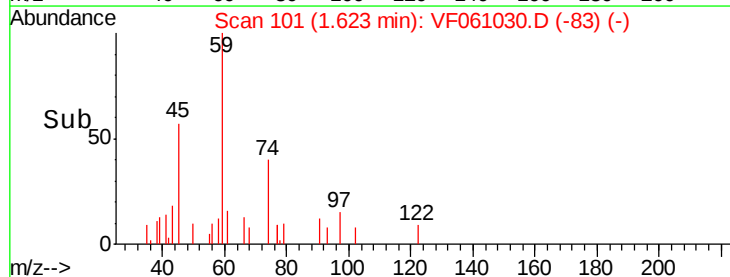
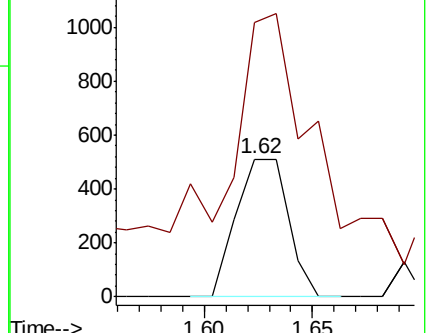
74 100

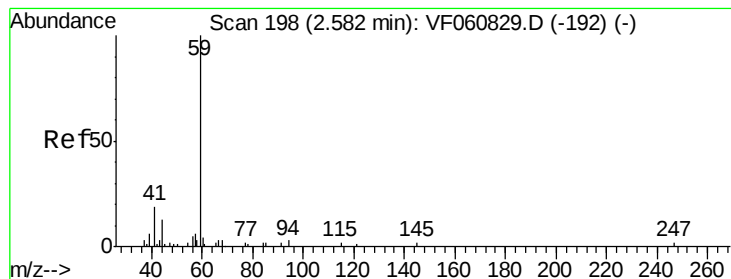
45 198.4 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



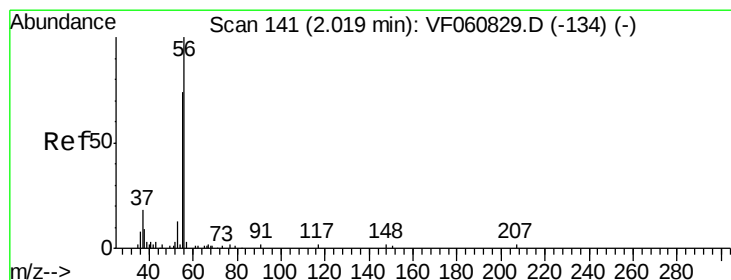
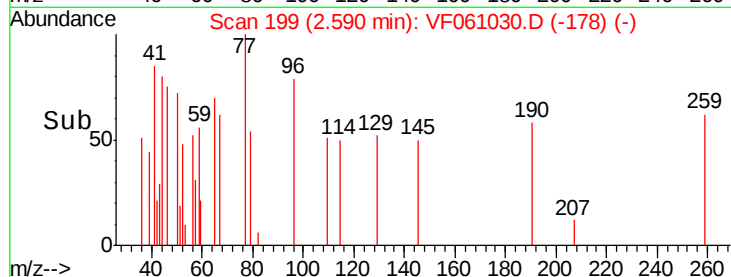
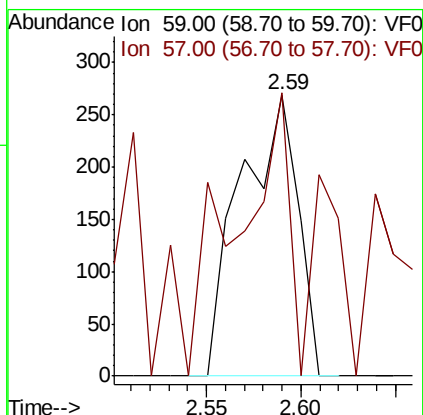
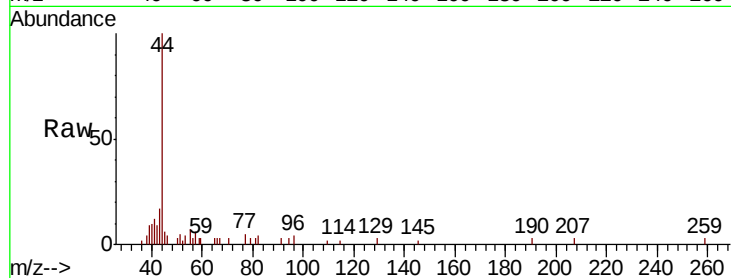


#11

Tert butyl alcohol
Concen: 6.067 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :

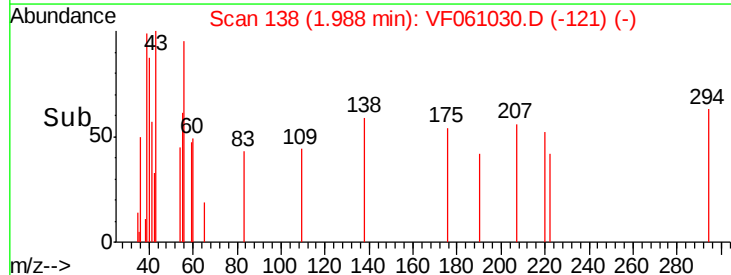
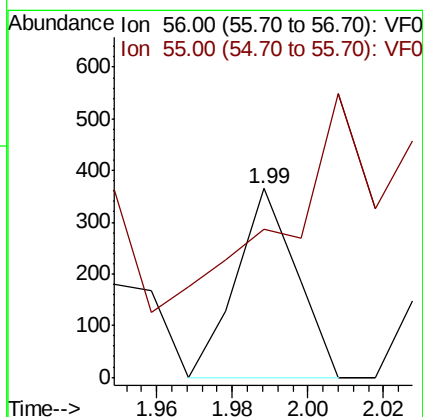
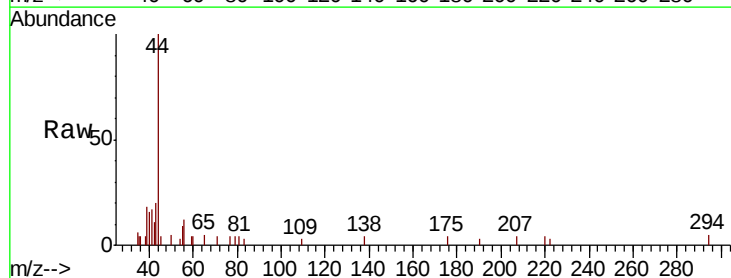
Tot Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
57 100.7 12.7 19.1#

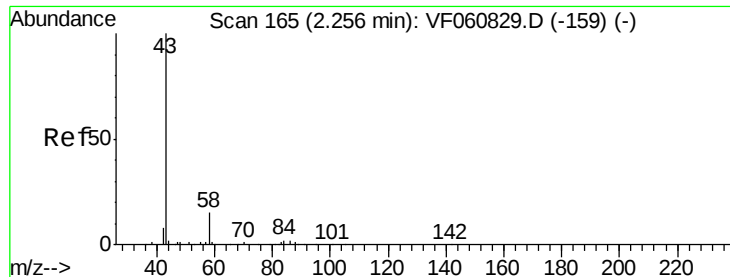


#13

Acrolein
Concen: 4.525 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Tgt Ion: 56 Resp: 400
Ion Ratio Lower Upper
56 100
55 78.4 61.2 91.8





#16

Acetone

Concen: 50.409 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061030.D

Acq: 14 Dec 2018 20:03

Instrument :

MSVOA_F

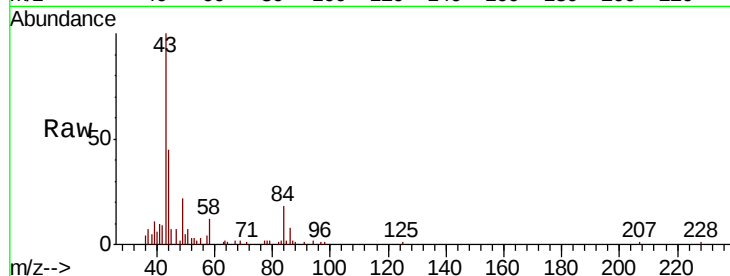
ClientSampleId :

Tot Ion: 43 Resp: 21156

Ion Ratio Lower Upper

43 100

58 12.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

8000

6000

4000

2000

0

Time-->

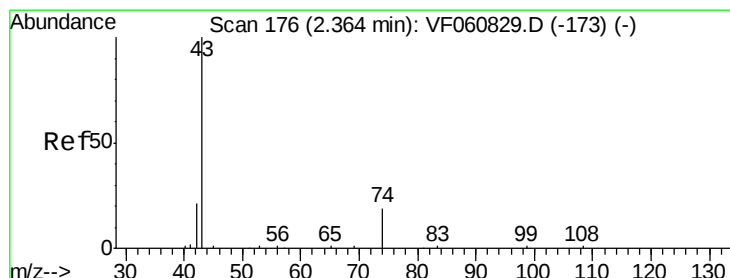
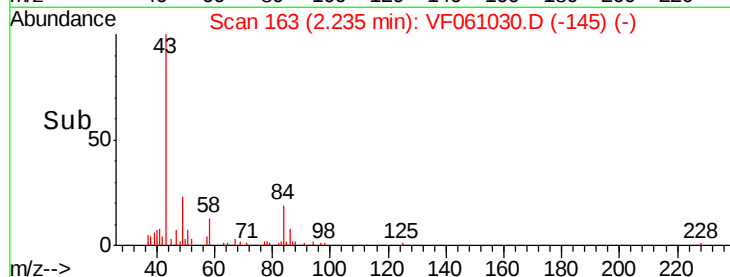
2.15

2.20

2.25

2.30

2.35



#18

Methyl Acetate

Concen: 4.357 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF061030.D

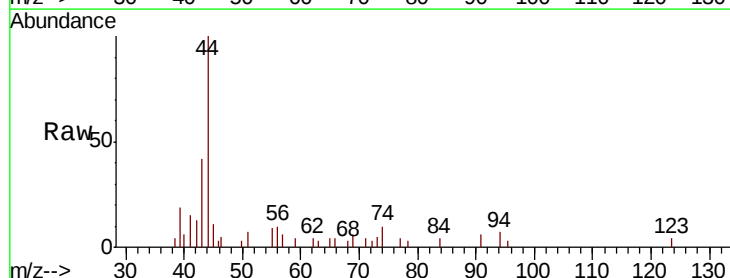
Acq: 14 Dec 2018 20:03

Tgt Ion: 43 Resp: 4129

Ion Ratio Lower Upper

43 100

74 24.5 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

3000

2500

2000

1500

1000

500

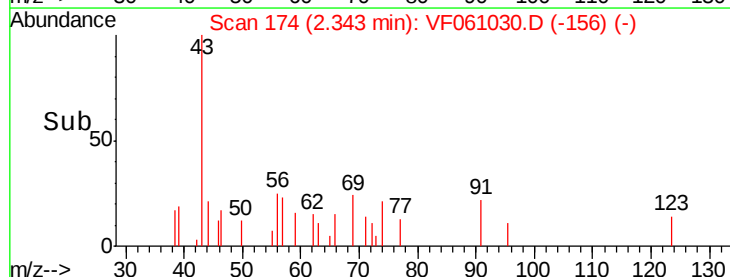
0

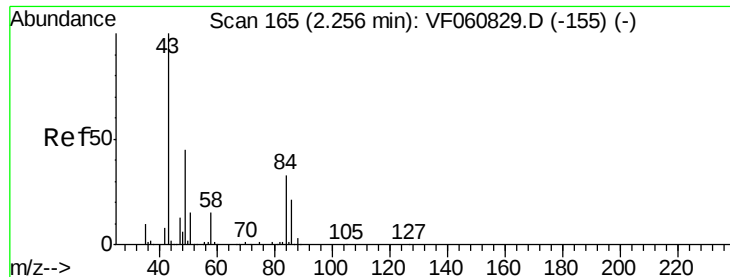
Time-->

2.30

2.35

2.40

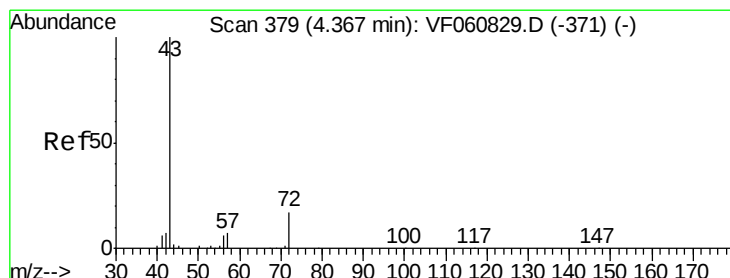
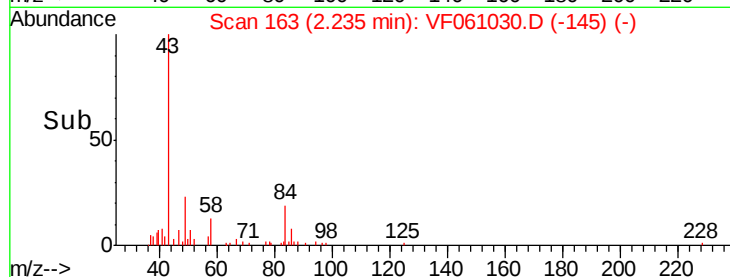
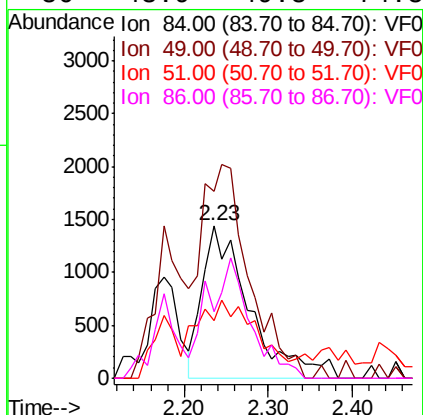
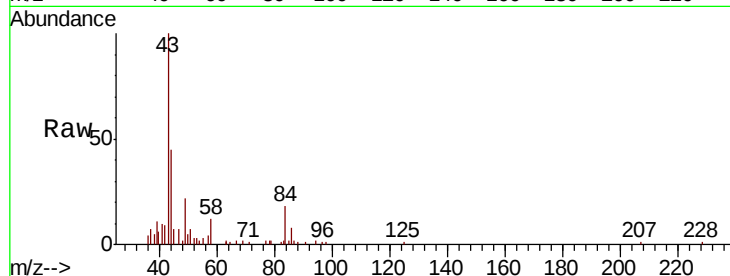




#20
Methvlene Chloride
Concen: 3.646 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

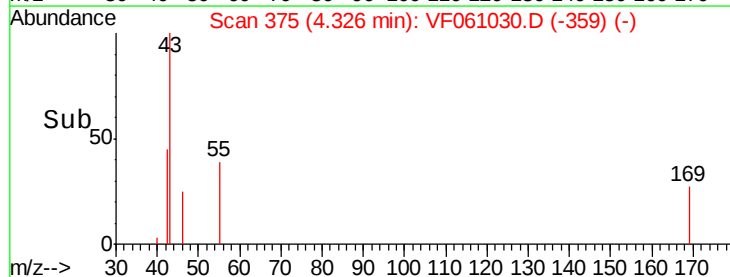
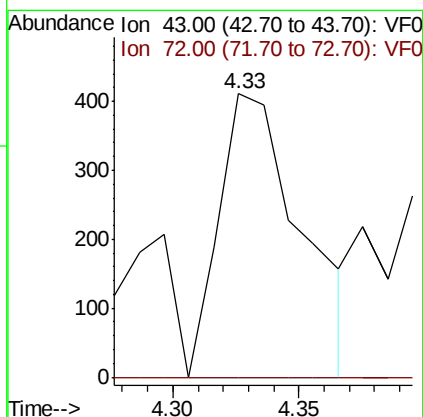
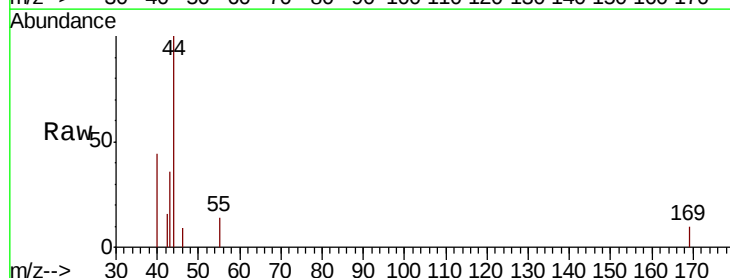
Instrument :
MSVOA_F
ClientSampleId :

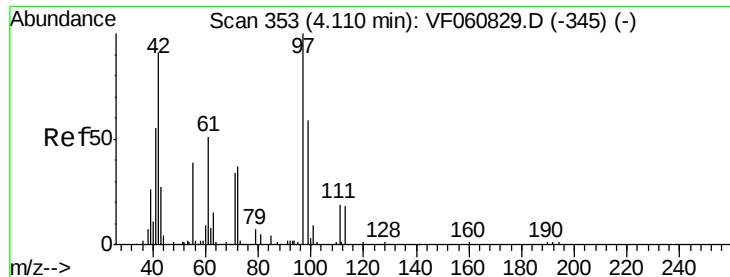
Tot Ion: 84 Resp: 5614
Ion Ratio Lower Upper
84 100
49 122.4 111.3 166.9
51 37.4 38.0 57.0#
86 43.9 49.8 74.8#



#25
2-Butanone
Concen: 1.283 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#





#29

Tetrahydrofuran

Concen: 2.574 ug/l

RT: 4.08 min Scan# 350

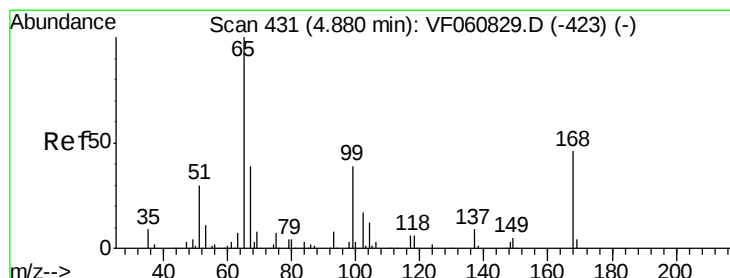
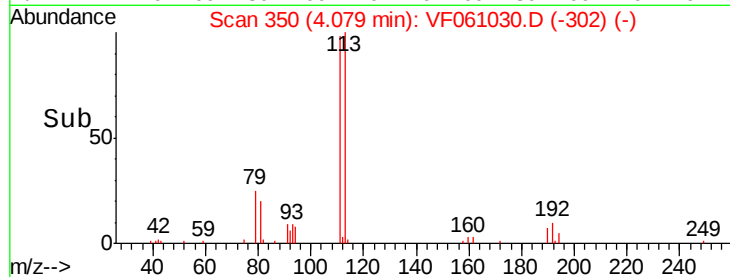
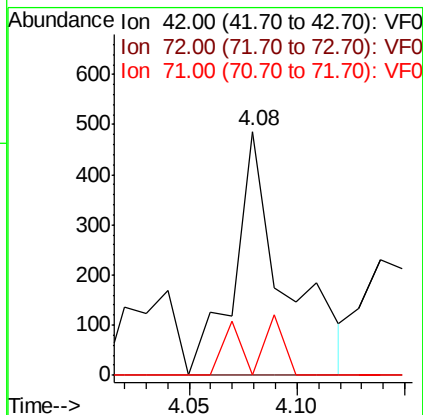
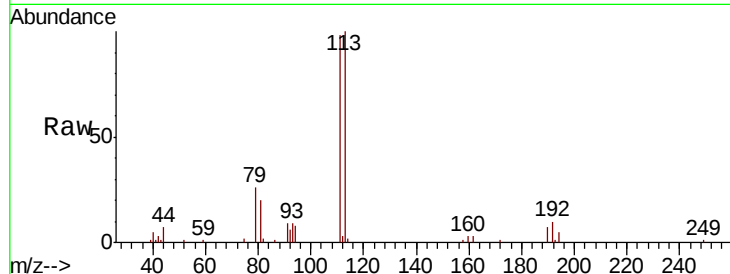
Delta R.T. -0.03 min

Lab File: VF061030.D

Acq: 14 Dec 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	792
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	17.0	28.7	43.1#



#33

1,2-Dichloroethane-d4

Concen: 47.068 ug/l

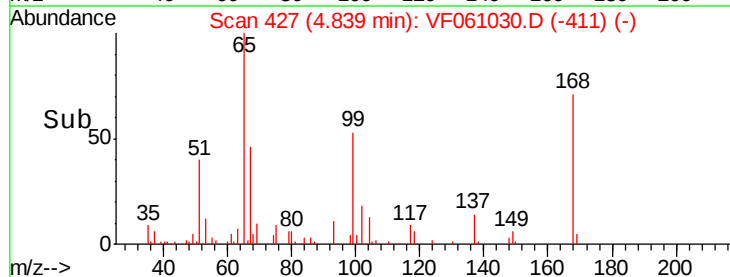
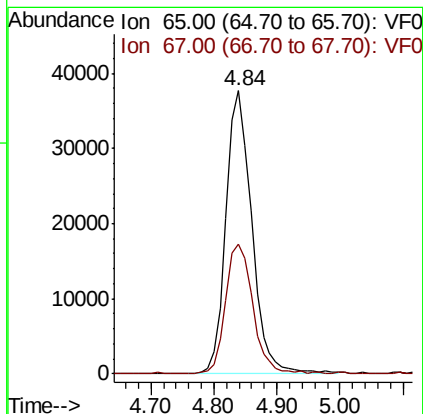
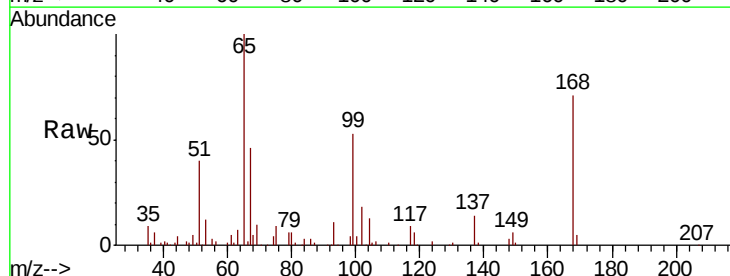
RT: 4.84 min Scan# 427

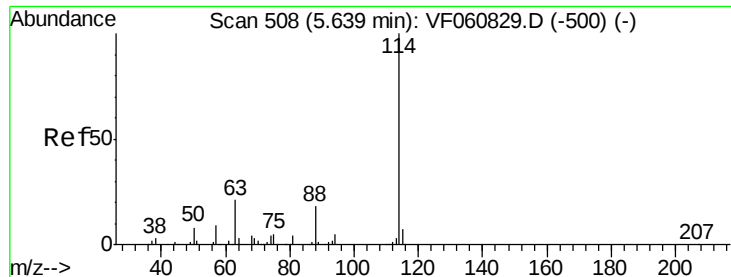
Delta R.T. -0.04 min

Lab File: VF061030.D

Acq: 14 Dec 2018 20:03

Tgt Ion:	65	Resp:	107122
Ion	Ratio	Lower	Upper
65	100		
67	45.9	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: VF061030.D

Acq: 14 Dec 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

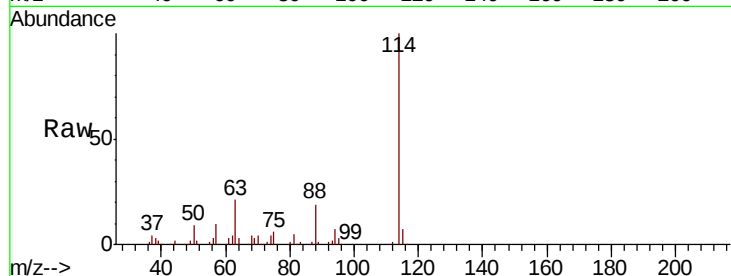
Tot Ion:114 Resp: 334186

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

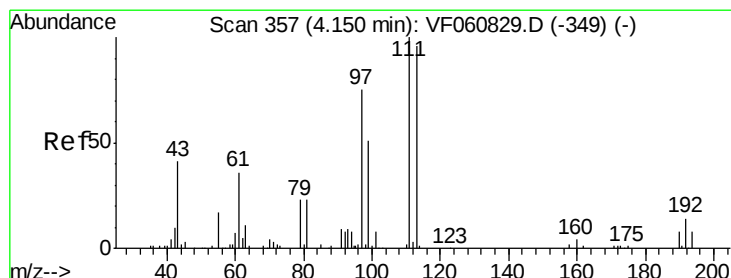
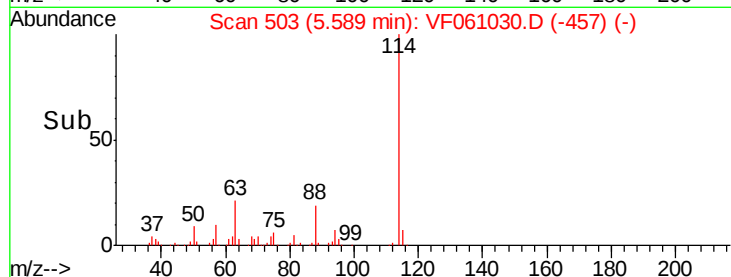
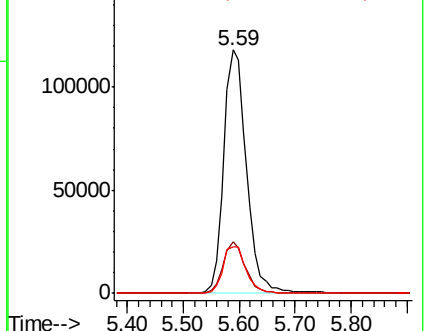
88 19.3 0.0 36.6



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: 45.186 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF061030.D

Acq: 14 Dec 2018 20:03

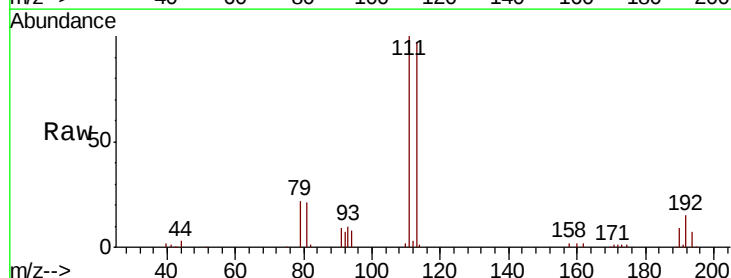
Tgt Ion:113 Resp: 119796

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

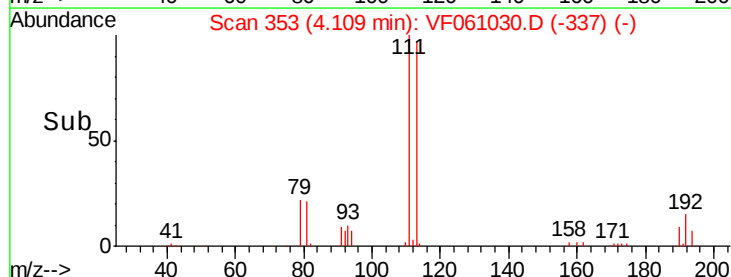
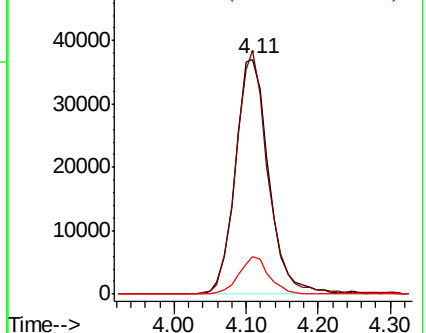
192 16.0 12.3 18.5

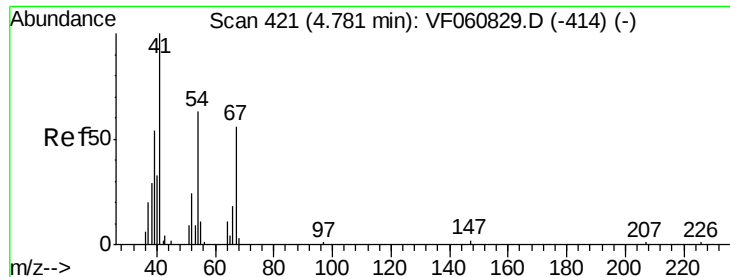


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

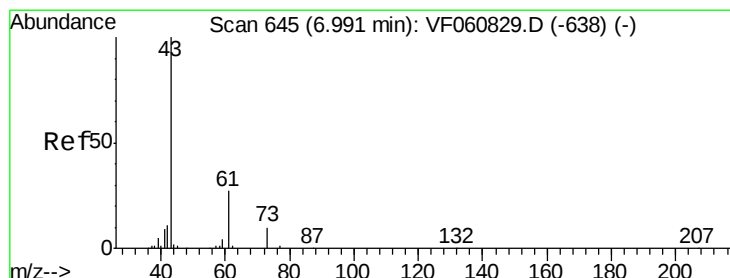
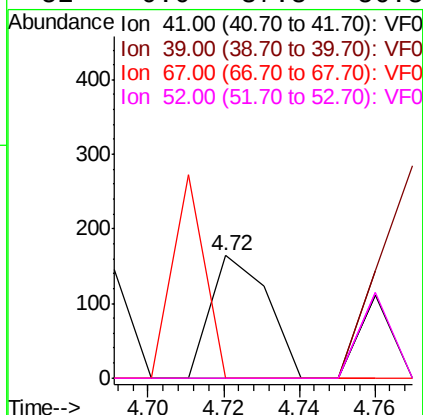
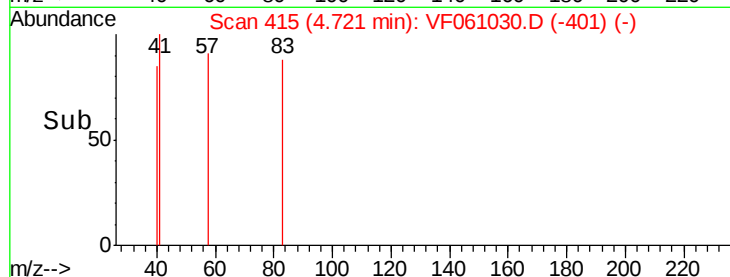
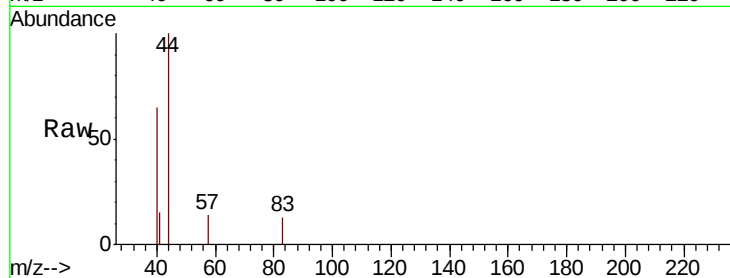




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.72 min Scan# 415
Delta R.T. -0.06 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

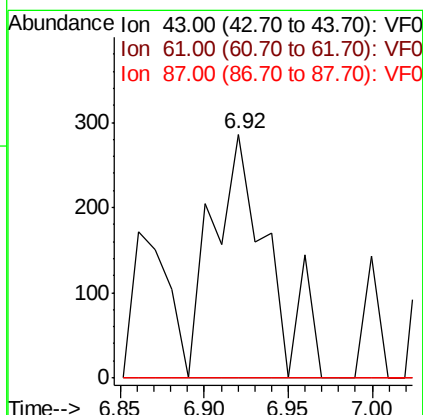
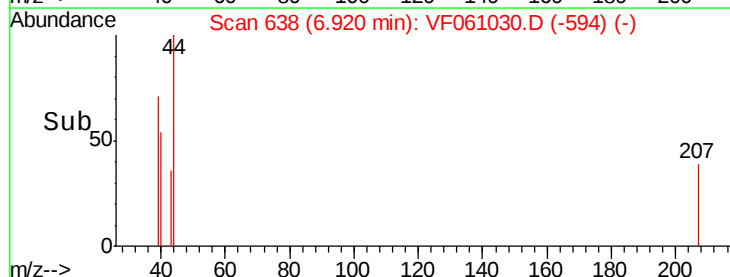
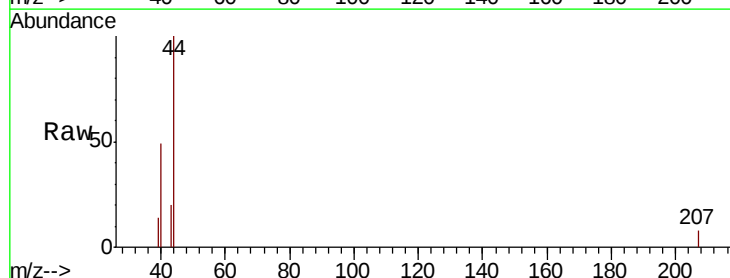
Instrument :
MSVOA_F
ClientSampled :

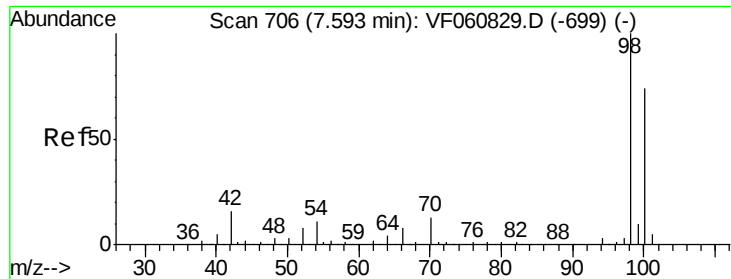
Tot Ion: 41 Resp: 170
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 638
Delta R.T. -0.07 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#

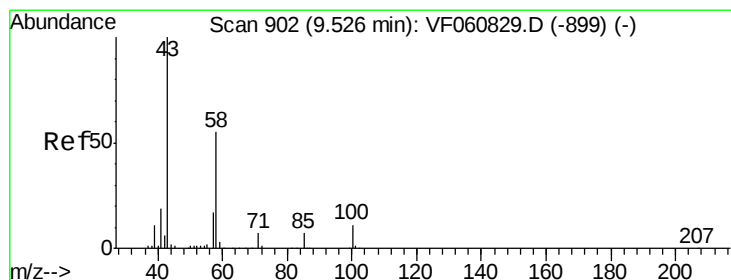
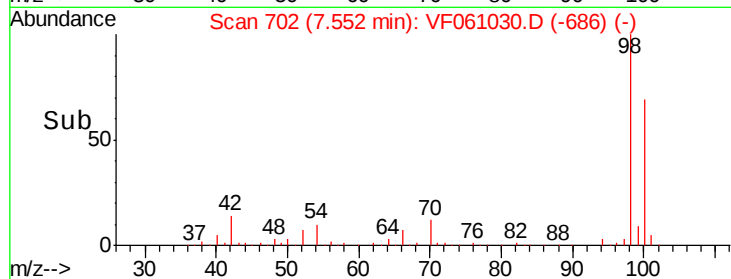
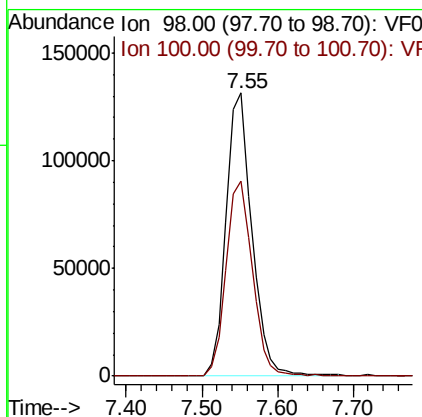
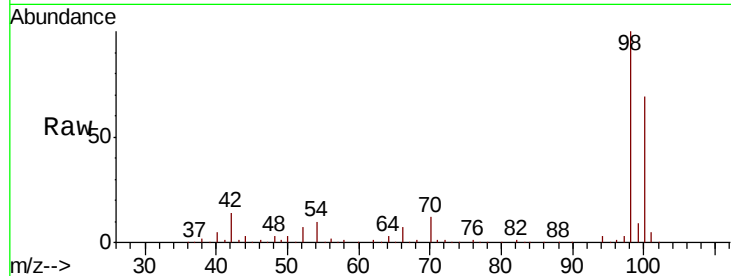




#50
Toluene-d8
Concen: 39.831 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

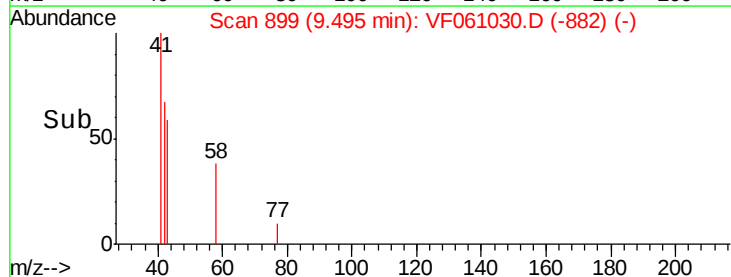
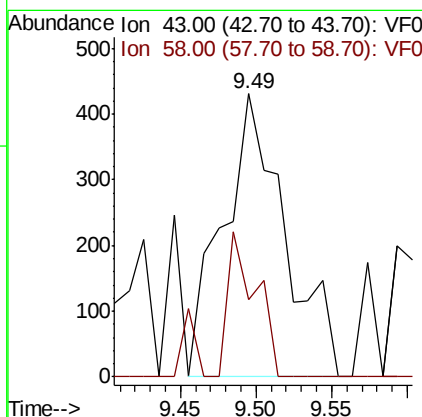
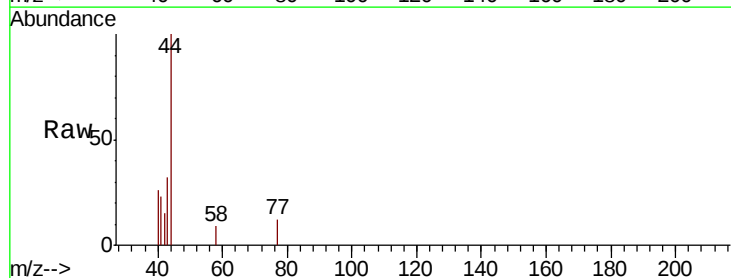
Instrument :
MSVOA_F
ClientSampled :

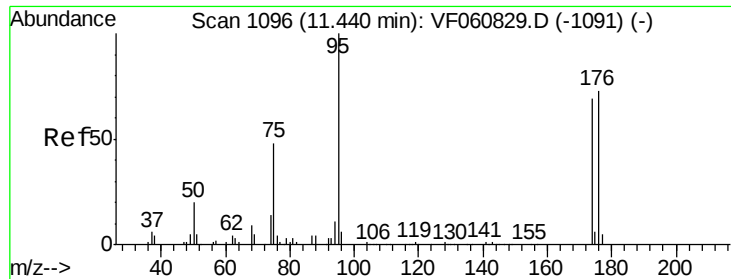
Tot Ion: 98 Resp: 311066
Ion Ratio Lower Upper
98 100
100 68.7 59.3 88.9



#59
2-Hexanone
Concen: 1.263 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 27.1 25.6 76.6

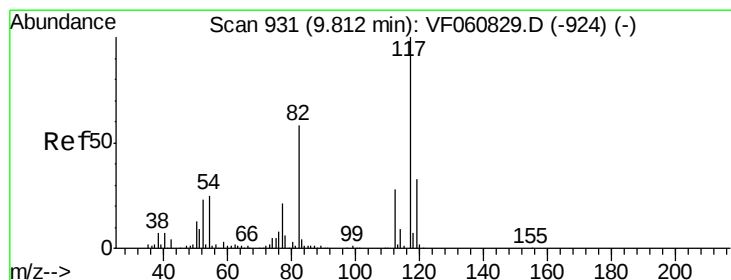
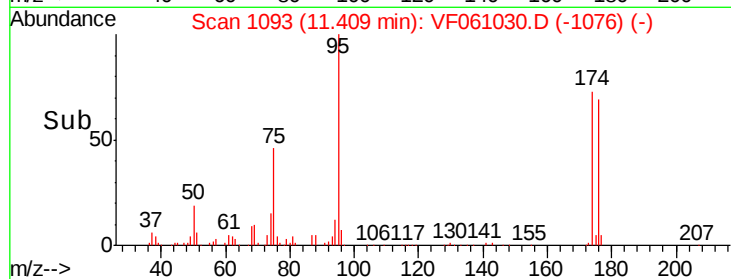
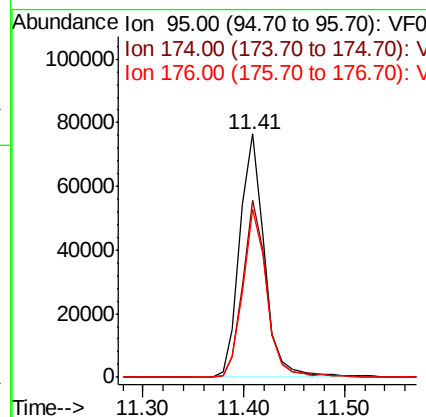
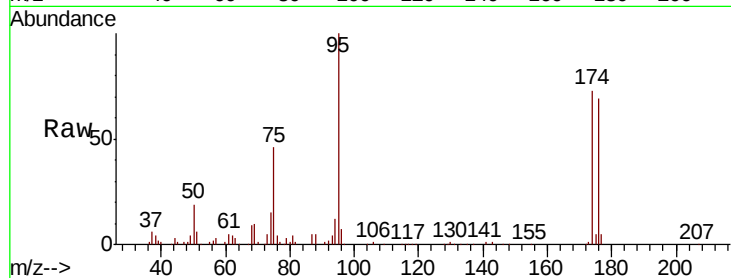




#62
4-Bromofluorobenzene
Concen: 36.406 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

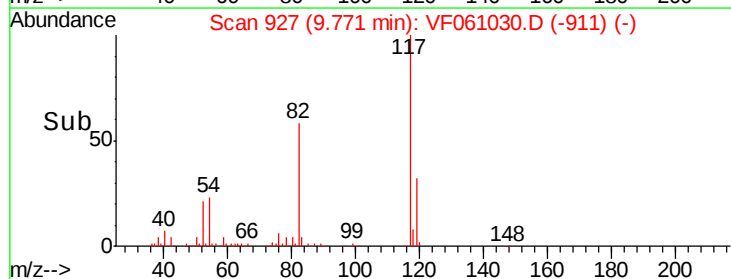
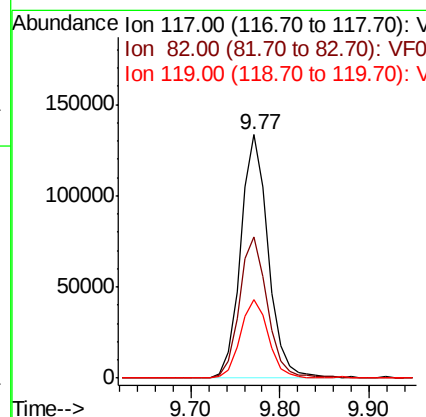
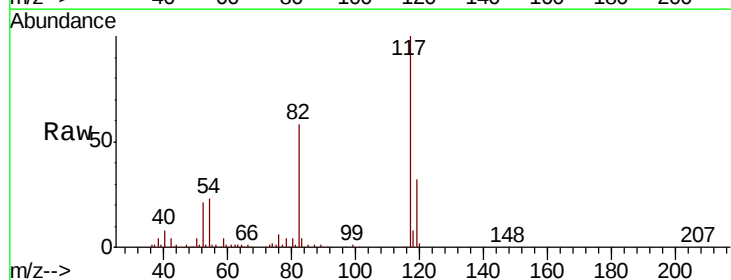
Instrument :
MSVOA_F
ClientSampleId :

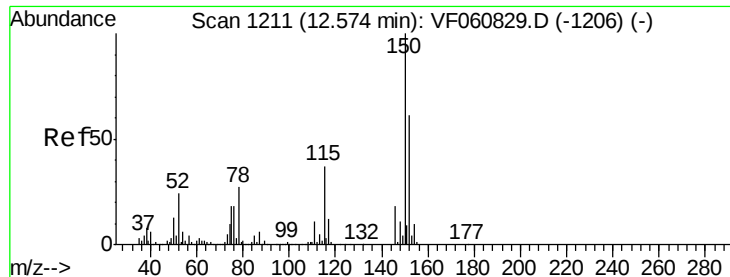
Tot Ion: 95 Resp: 129219
Ion Ratio Lower Upper
95 100
174 72.8 0.0 138.2
176 69.0 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061030.D
Acq: 14 Dec 2018 20:03

Tgt Ion: 117 Resp: 288687
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 32.3 26.4 39.6



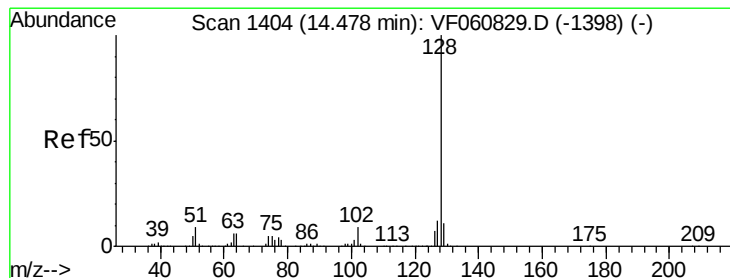
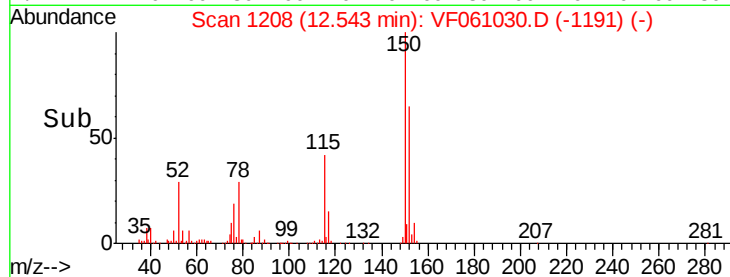
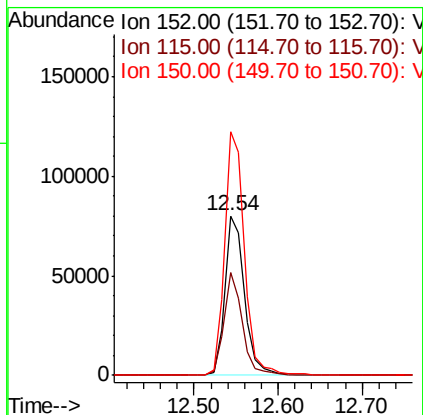
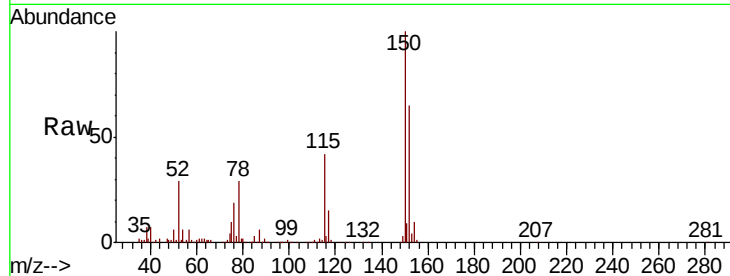


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061030.D
 Acq: 14 Dec 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.1	90.5
150	152.9	0.0	327.6



#95

Naphthalene
 Concen: Below Cal
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.03 min
 Lab File: VF061030.D
 Acq: 14 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.8	9.9	14.9
129	15.7	9.1	13.7#

