

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060945.D
 Acq On : 7 Dec 2018 22:56
 Operator : VA/AP
 Sample : J6260-10
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-04-6.5-7.0

Quant Time: Dec 08 01:59:19 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	4.85	168	188791	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	305563	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.75	117	244222	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	78785	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	108705	48.88	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	4.09	113	120851	49.85	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	7.53	98	256613	35.94	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	71.88%	
62) 4-Bromofluorobenzene	11.40	95	90148	27.78	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	55.56%	

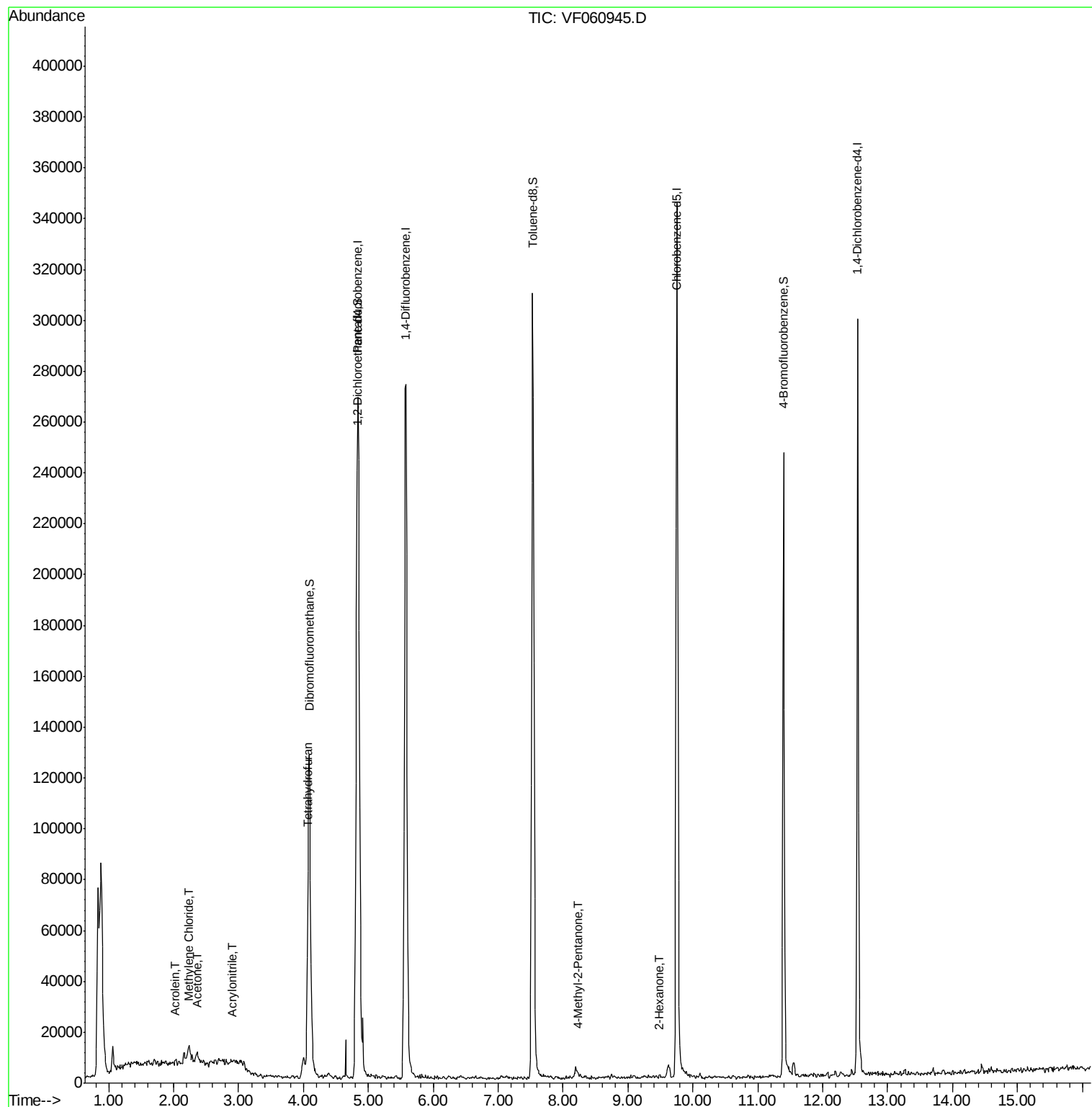
Target Compounds					Qvalue	
13) Acrolein	2.02	56	361	4.179	ug/l	98
15) Acrylonitrile	2.90	53	368	1.800	ug/l #	11
16) Acetone	2.36	43	1485	3.621	ug/l	98
18) Methyl Acetate	2.19	43	413	Below Cal		94
20) Methylene Chloride	2.23	84	3092	2.055	ug/l	87
29) Tetrahydrofuran	4.06	42	534	1.776	ug/l #	47
41) Methacrylonitrile	4.74	41	324	Below Cal	#	23
43) Isopropyl Acetate	6.94	43	487	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.24	43	1367	1.076	ug/l #	78
59) 2-Hexanone	9.49	43	1246	1.398	ug/l	70
95) Naphthalene	14.45	128	1243	Below Cal	#	75

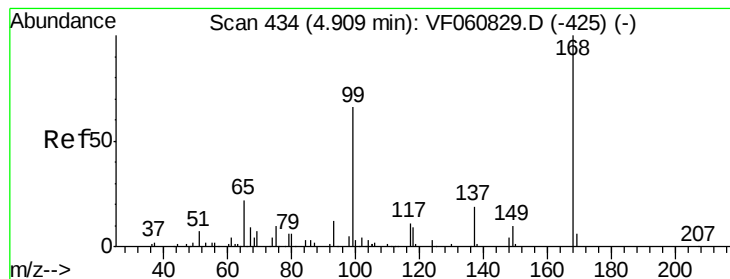
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.01µ/5mL/MSVOA-F/SOIL
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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: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF060945.D

Acq: 7 Dec 2018 22:56

Instrument :

MSVOA_F

ClientSampleId :

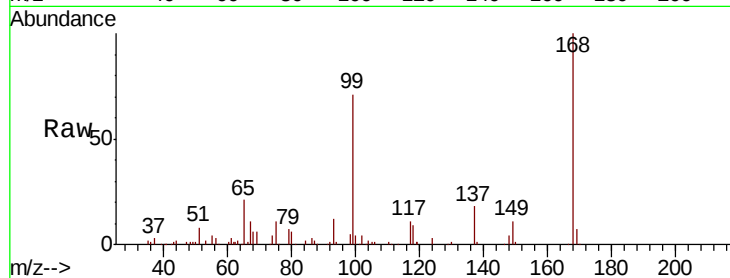
SB-04-6.5-7.0

Tot Ion:168 Resp: 188791

Ion Ratio Lower Upper

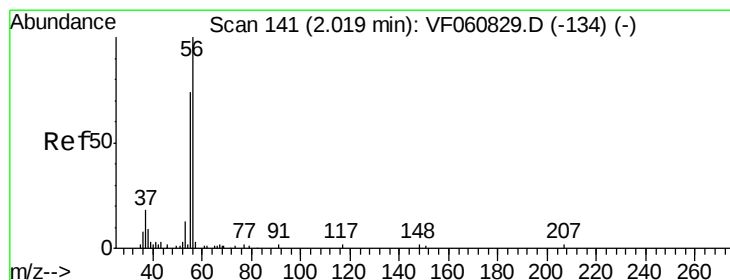
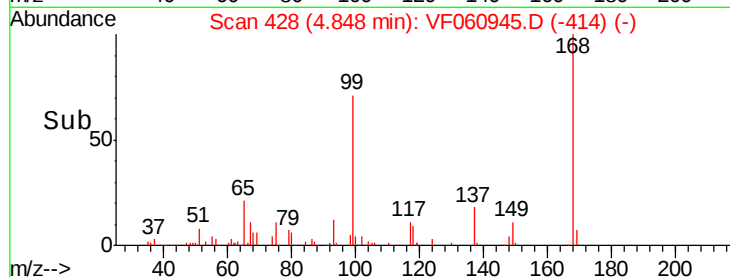
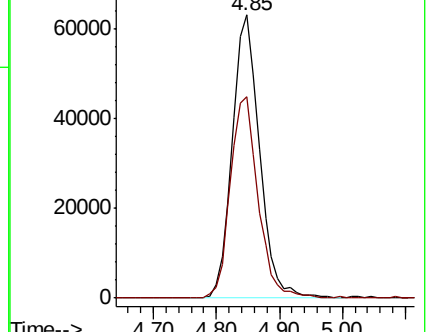
168 100

99 71.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 4.179 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060945.D

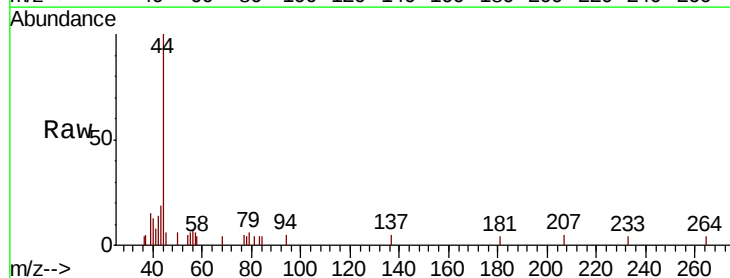
Acq: 7 Dec 2018 22:56

Tgt Ion: 56 Resp: 361

Ion Ratio Lower Upper

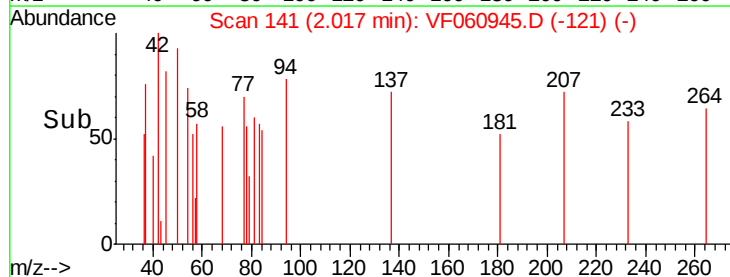
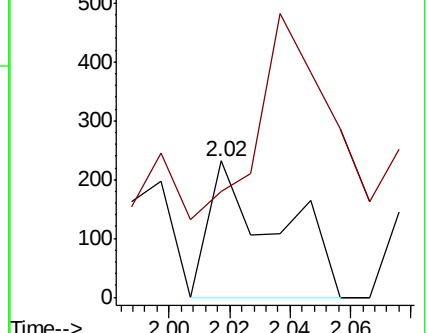
56 100

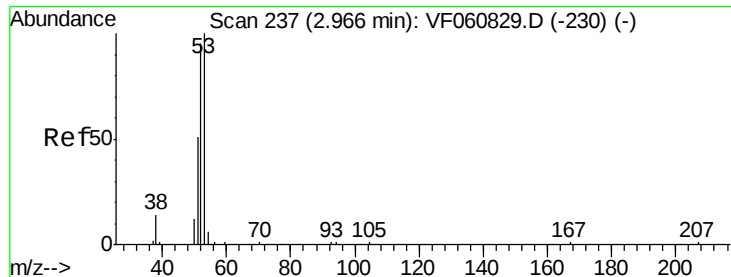
55 77.9 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.800 ug/l

RT: 2.90 min Scan# 231

Delta R.T. -0.06 min

Lab File: VF060945.D

Acq: 7 Dec 2018 22:56

Instrument :

MSVOA_F

ClientSampleId :

SB-04-6.5-7.0

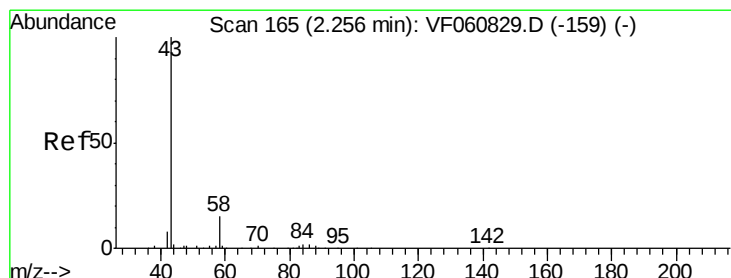
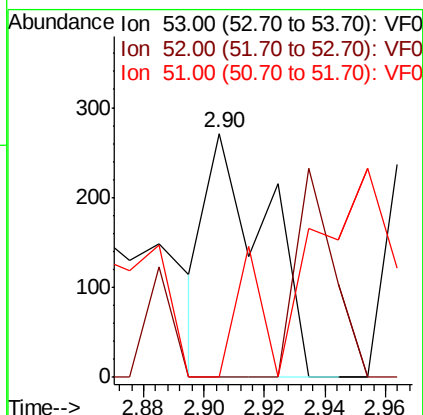
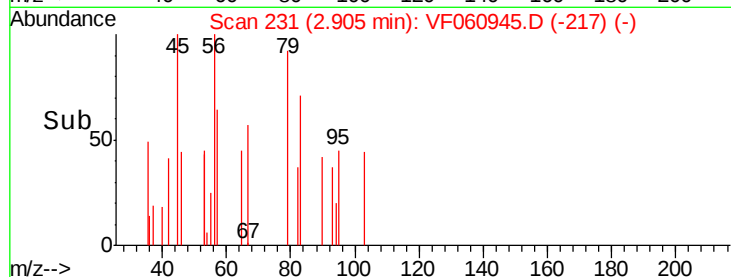
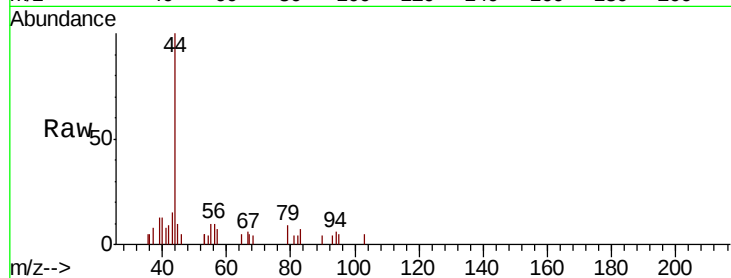
Tot Ion: 53 Resp: 368

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 3.621 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.11 min

Lab File: VF060945.D

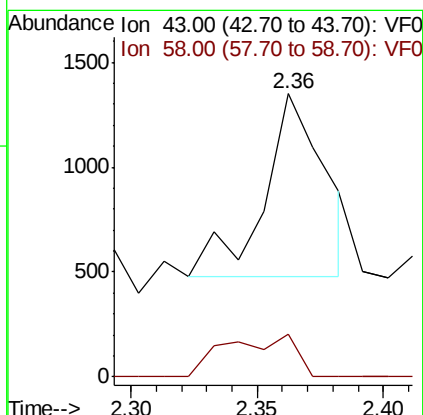
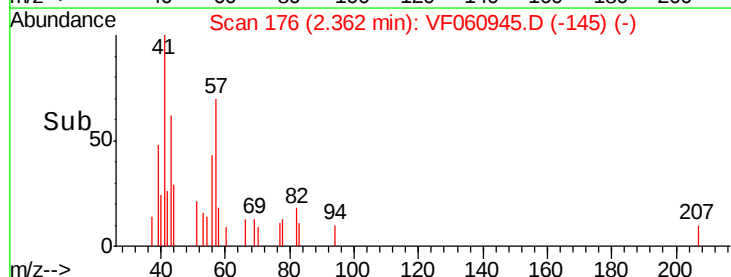
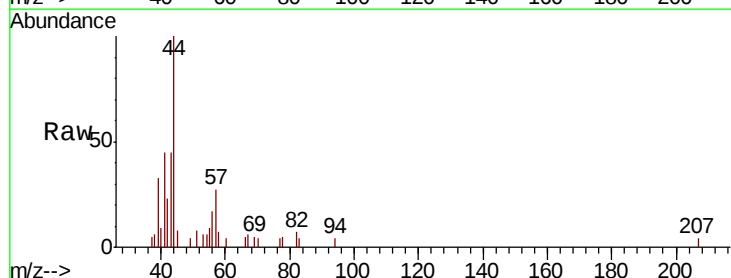
Acq: 7 Dec 2018 22:56

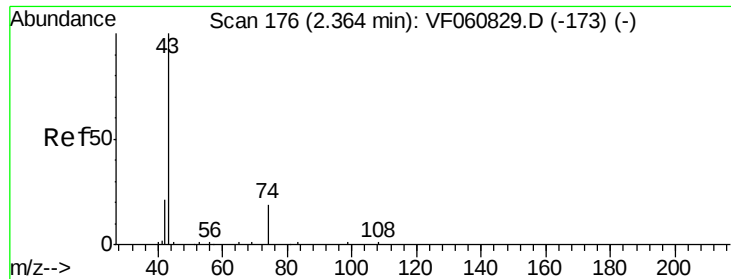
Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

43 100

58 15.0 11.4 17.2

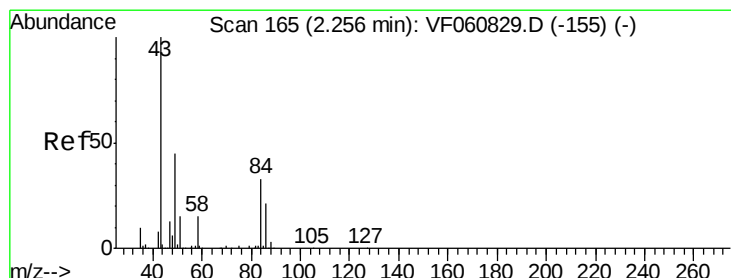
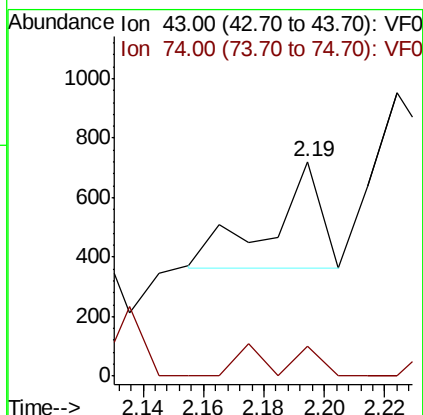
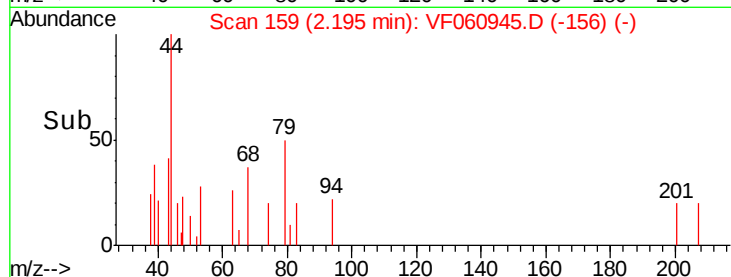
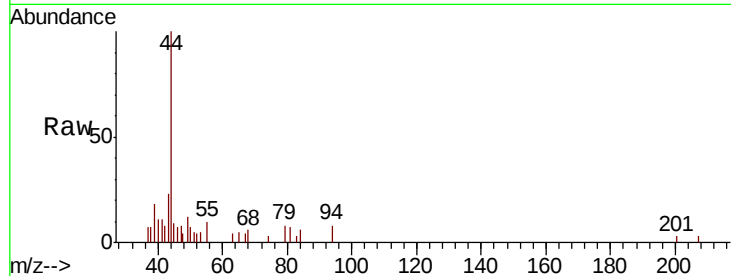




#18
Methyl Acetate
Concen: Below Cal
RT: 2.19 min Scan# 159
Delta R.T. -0.17 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

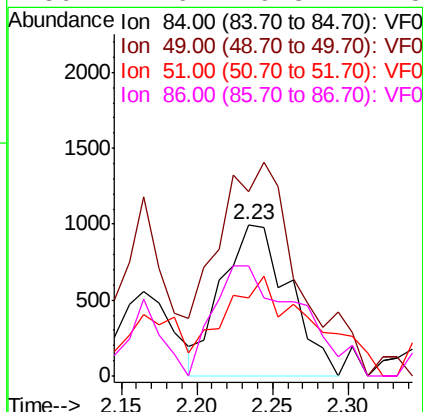
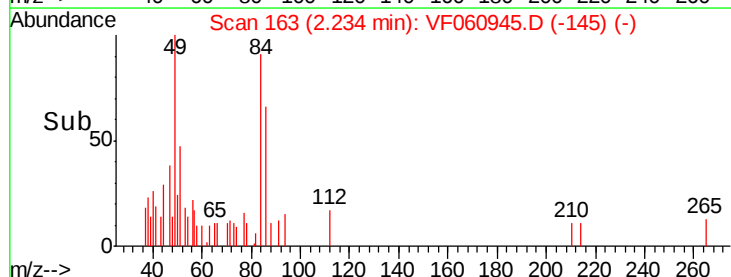
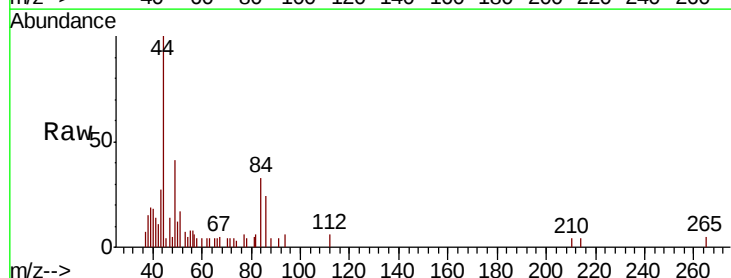
Instrument :
MSVOA_F
ClientSampleId :
SB-04-6.5-7.0

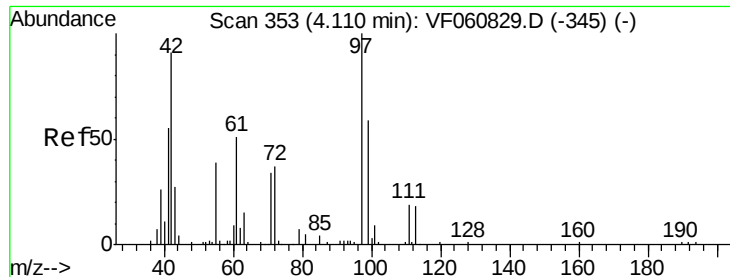
Tot Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 14.1 13.3 19.9



#20
Methylene Chloride
Concen: 2.055 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Tgt Ion: 84 Resp: 3092
Ion Ratio Lower Upper
84 100
49 121.9 111.3 166.9
51 52.0 38.0 57.0
86 72.6 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.776 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060945.D

Acq: 7 Dec 2018 22:56

Instrument :

MSVOA_F

ClientSampleId :

SB-04-6.5-7.0

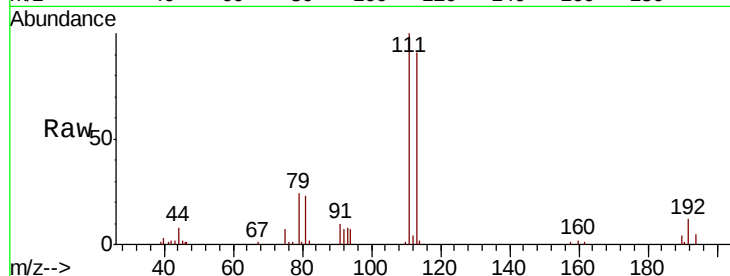
Tot Ion: 42 Resp: 534

Ion Ratio Lower Upper

42 100

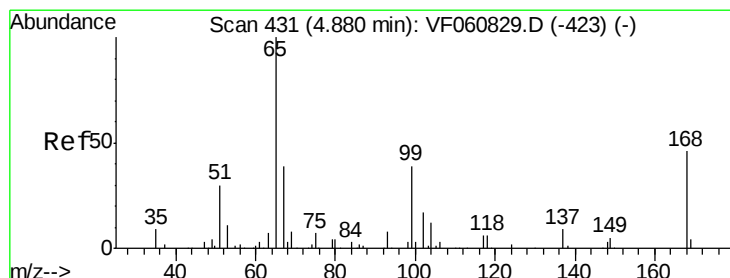
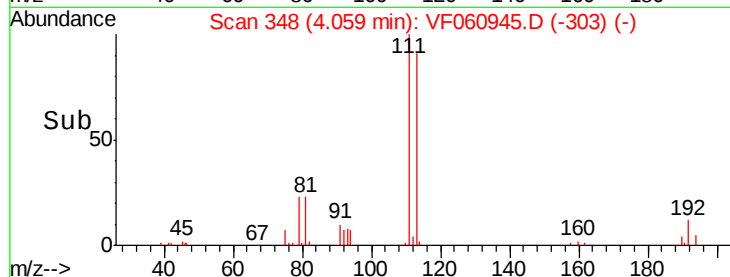
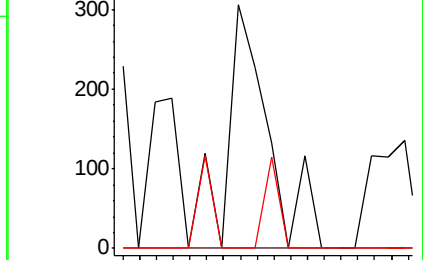
72 0.0 31.9 47.9#

71 12.9 28.7 43.1#



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

4.06



#33

1,2-Dichloroethane-d4

Concen: 48.878 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060945.D

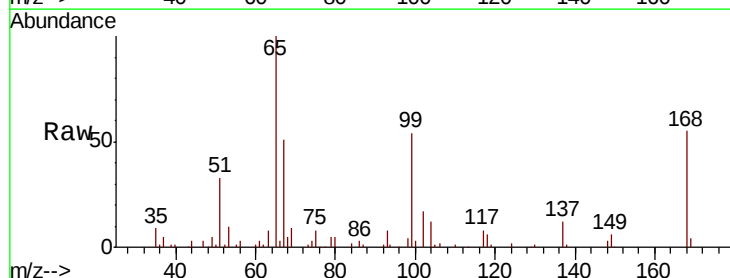
Acq: 7 Dec 2018 22:56

Tgt Ion: 65 Resp: 108705

Ion Ratio Lower Upper

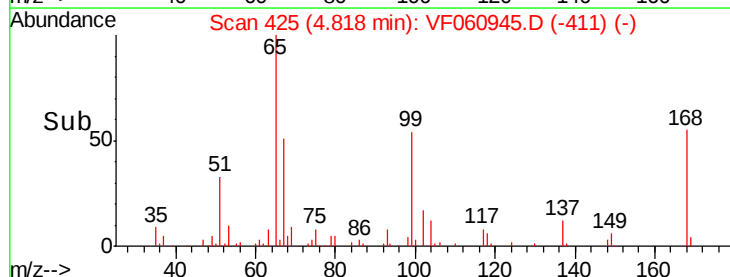
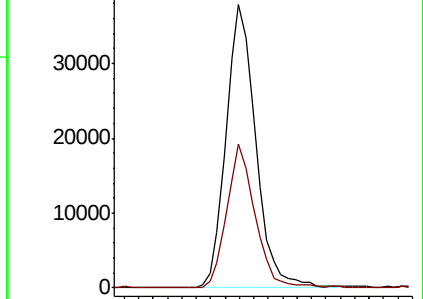
65 100

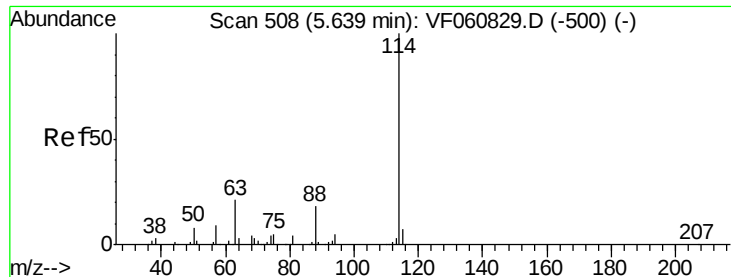
67 50.9 0.0 96.4



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

4.82





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF060945.D

Acq: 7 Dec 2018 22:56

Instrument :

MSVOA_F

ClientSampleId :

SB-04-6.5-7.0

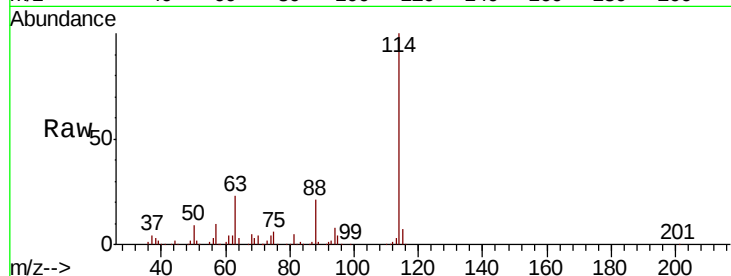
Tot Ion:114 Resp: 305563

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.6

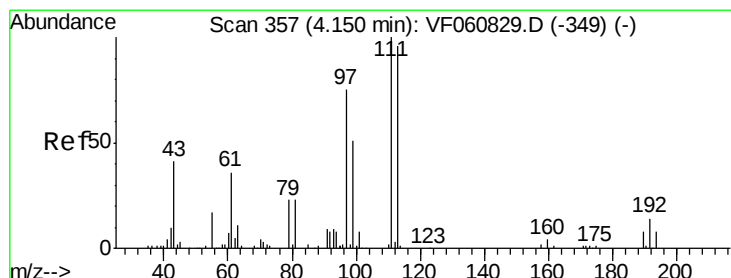
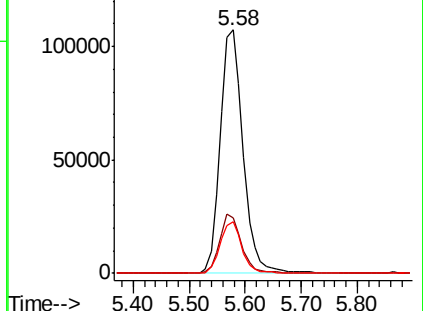
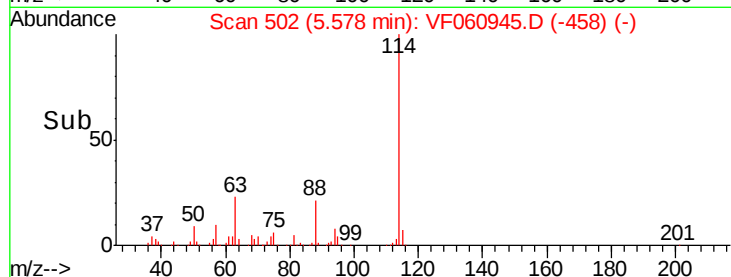
88 21.1 0.0 36.6



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: 49.854 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF060945.D

Acq: 7 Dec 2018 22:56

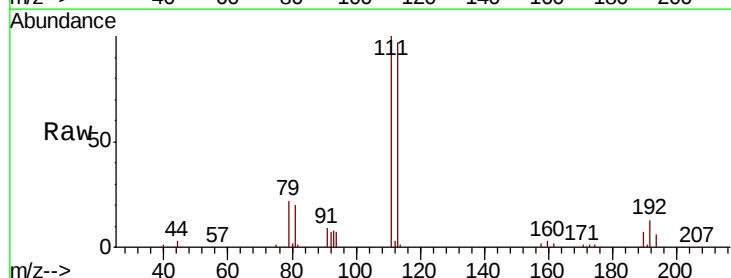
Tgt Ion:113 Resp: 120851

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

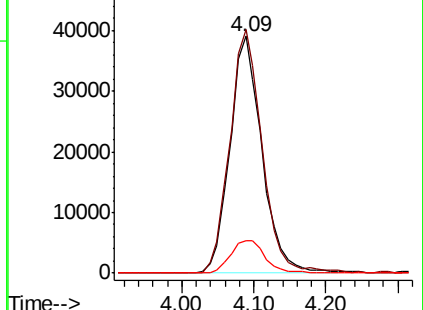
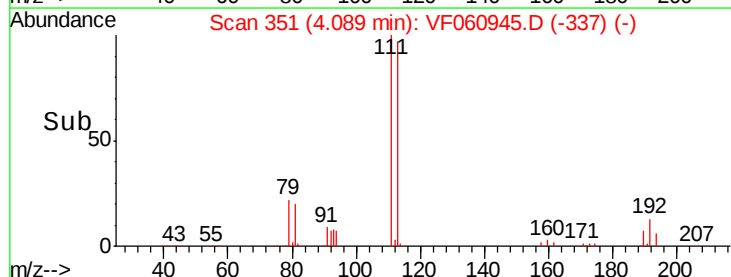
192 13.5 12.3 18.5

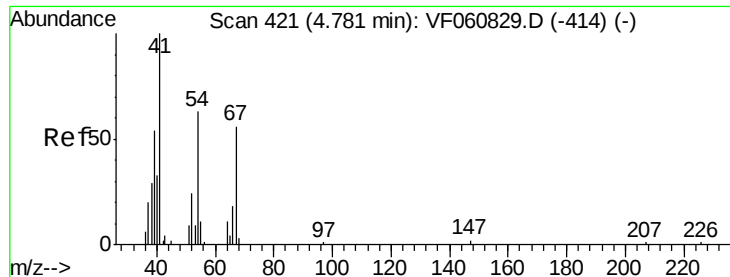


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

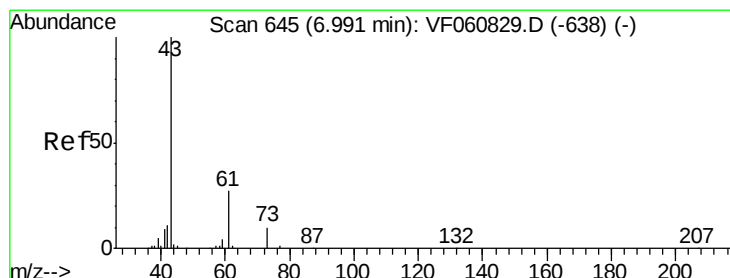
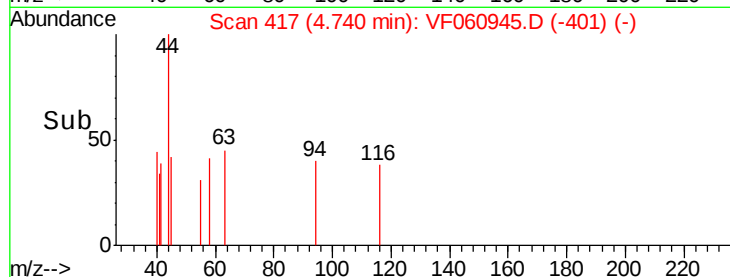
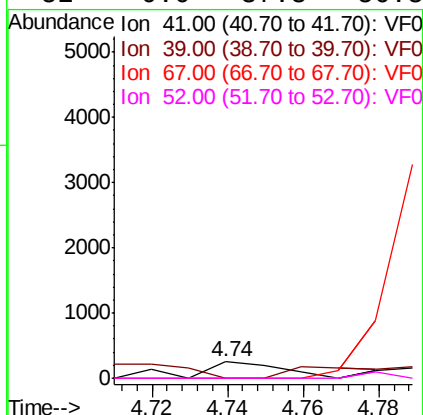
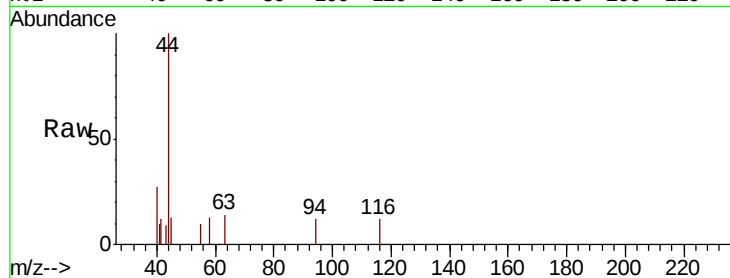




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

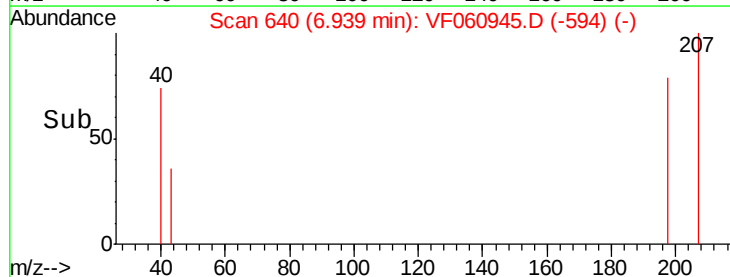
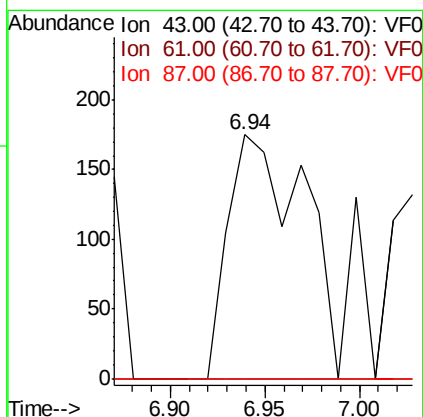
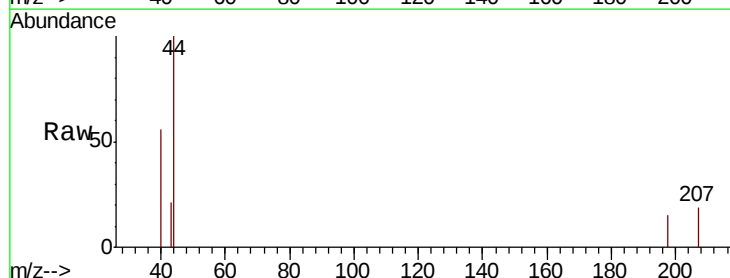
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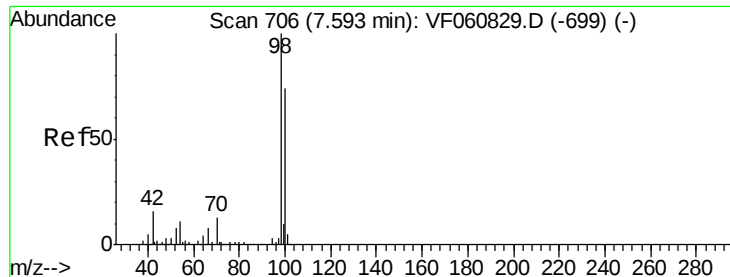
Tot Ion:	41	Resp:	324
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.94 min Scan# 640
Delta R.T. -0.05 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Tgt Ion:	43	Resp:	487
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

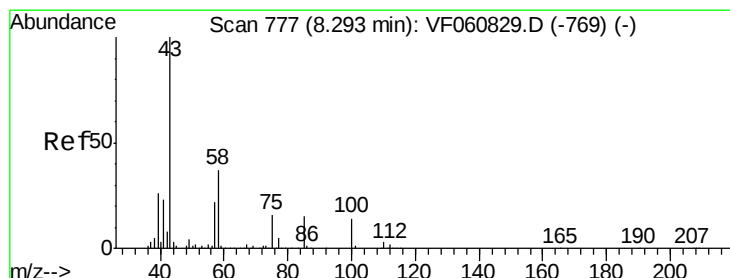
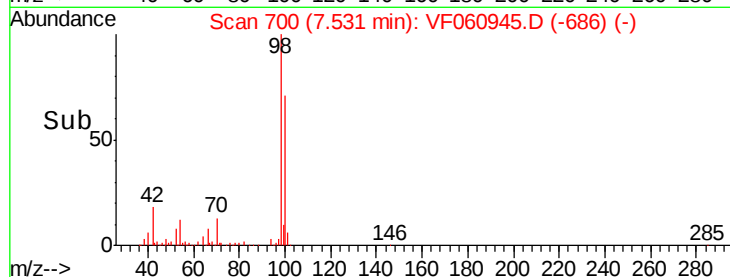
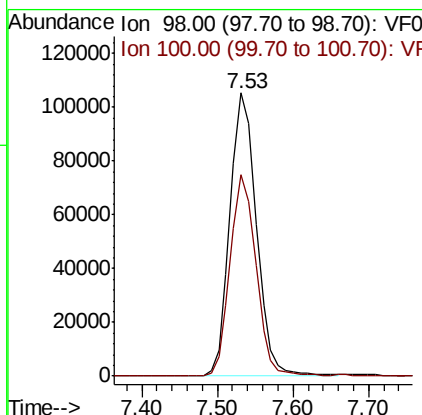
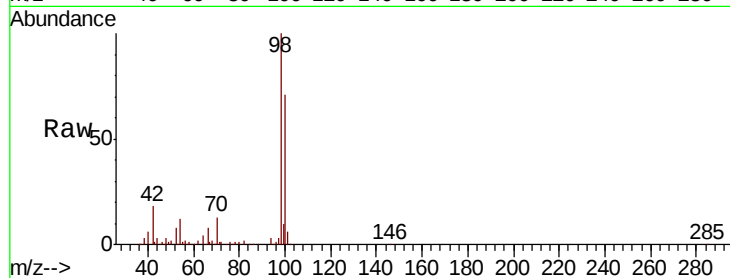




#50
Toluene-d8
Concen: 35.937 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

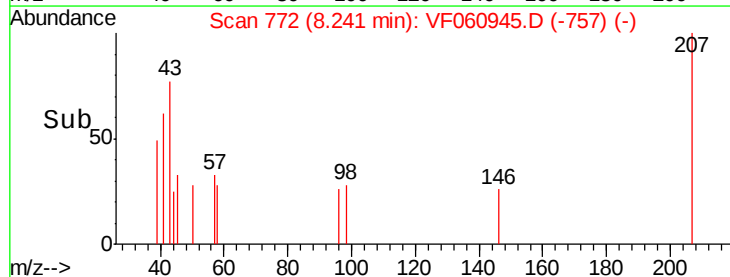
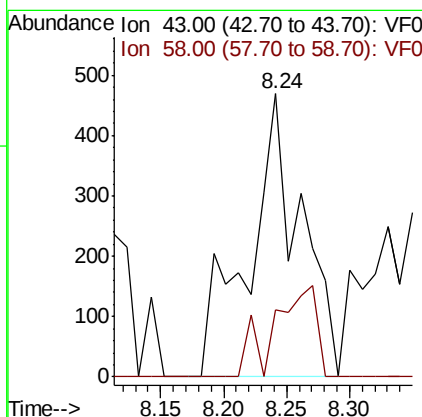
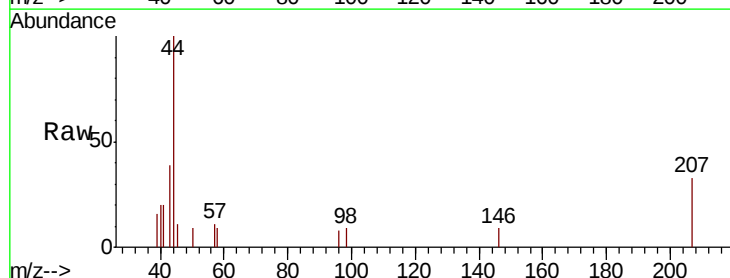
Instrument :
MSVOA_F
ClientSampleId :
SB-04-6.5-7.0

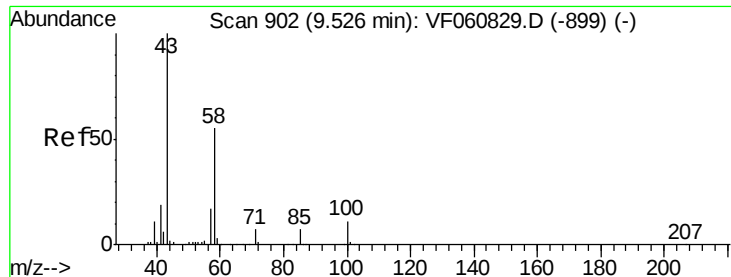
Tot Ion: 98 Resp: 256613
Ion Ratio Lower Upper
98 100
100 71.0 59.3 88.9



#51
4-Methyl-2-Pentanone
Concen: 1.076 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.05 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 23.9 29.7 44.5#

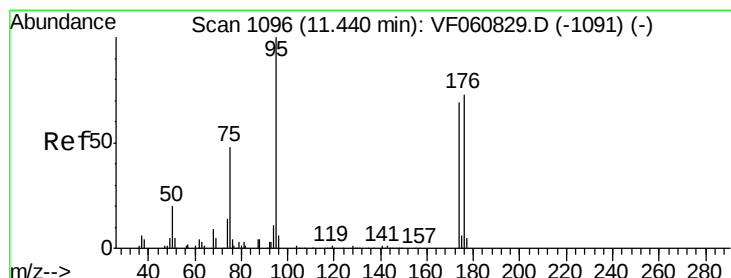
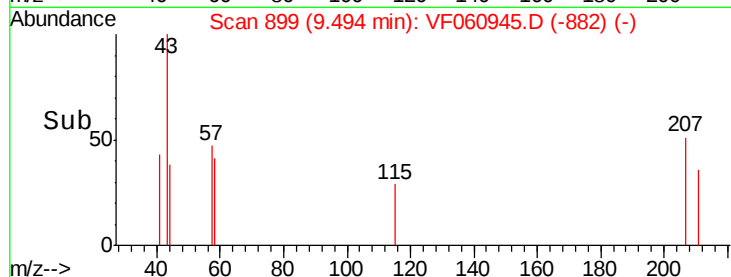
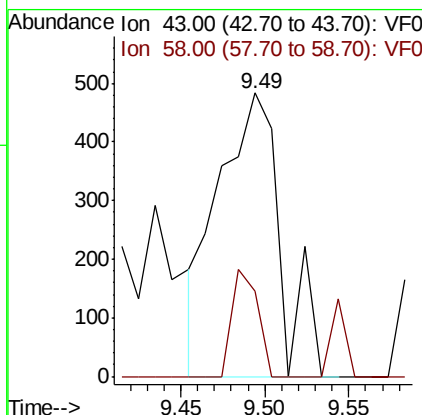
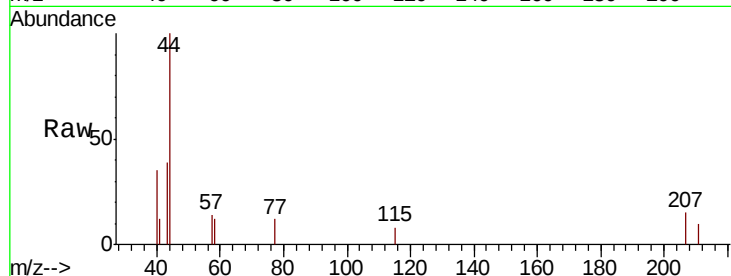




#59
2-Hexanone
Concen: 1.398 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

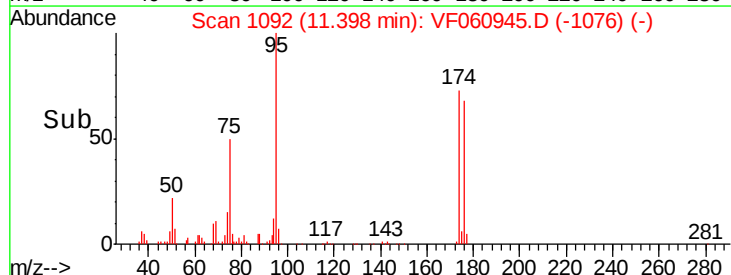
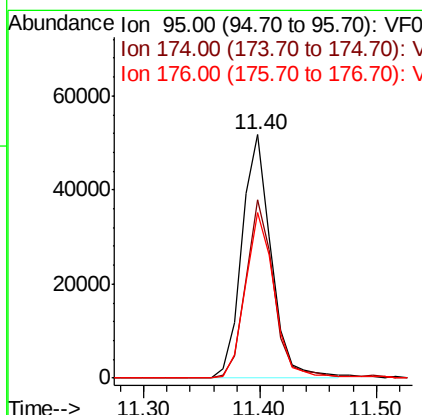
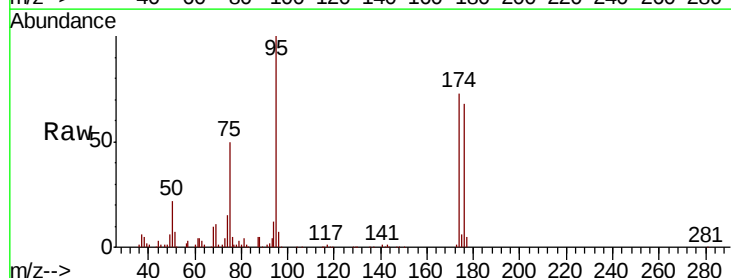
Instrument :
MSVOA_F
ClientSampleId :
SB-04-6.5-7.0

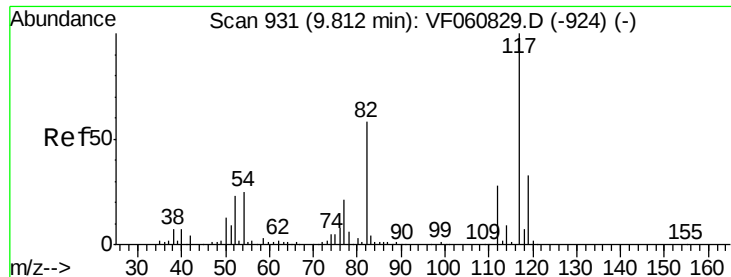
Tot Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
58 30.0 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 27.778 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Tgt Ion: 95 Resp: 90148
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.2
176 68.1 0.0 146.2

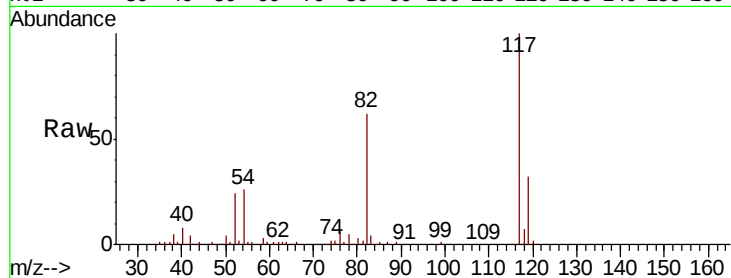




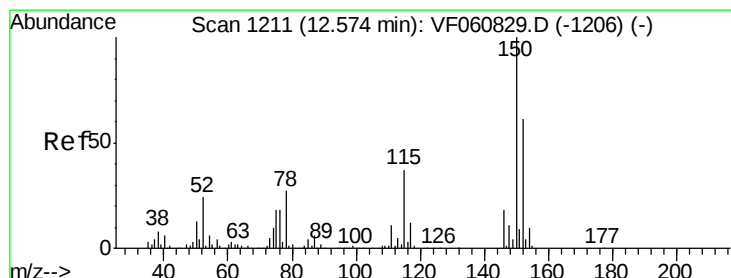
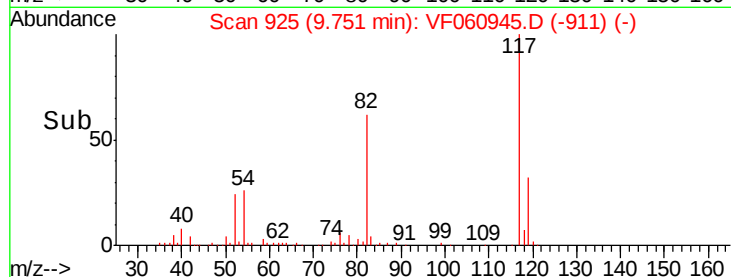
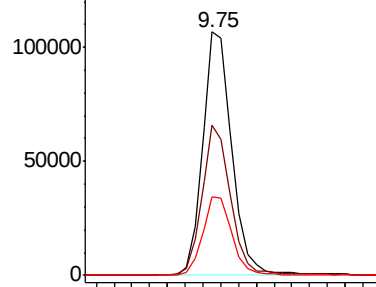
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Instrument :
MSVOA_F
ClientSampleId :
SB-04-6.5-7.0

Tot Ion:117 Resp: 244222
Ion Ratio Lower Upper
117 100
82 61.8 46.6 69.8
119 32.0 26.4 39.6

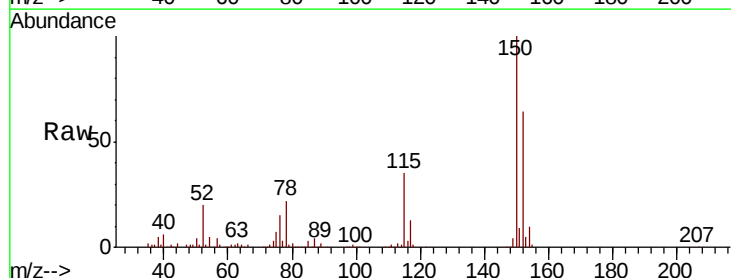


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

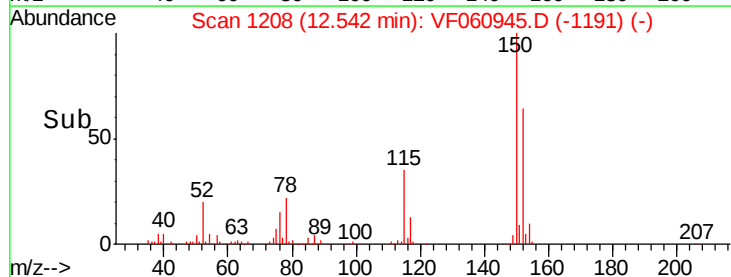
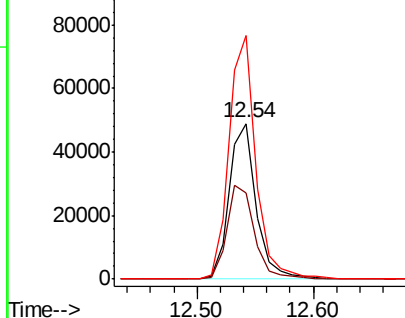


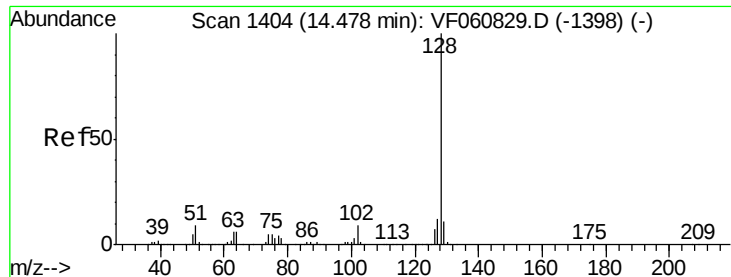
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Tgt Ion:152 Resp: 78785
Ion Ratio Lower Upper
152 100
115 55.6 30.1 90.5
150 156.8 0.0 327.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#95
Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060945.D
Acq: 7 Dec 2018 22:56

Instrument :
MSVOA_F
ClientSampleId :
SB-04-6.5-7.0

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.6	9.9	14.9#
129	22.6	9.1	13.7#

