

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061057.D
 Acq On : 18 Dec 2018 12:27
 Operator : VA/AP
 Sample : VF1218SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBL01

Quant Time: Dec 19 00:48:58 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	169614	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	298160	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	278998	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	156854	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	114638	57.37	ug/l	-0.04
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	4.11	113	127930	54.08	ug/l	-0.04
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	7.55	98	329424	47.28	ug/l	-0.04
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	11.41	95	159418	50.34	ug/l	-0.03
Spiked Amount			Recovery	=	100.68%	

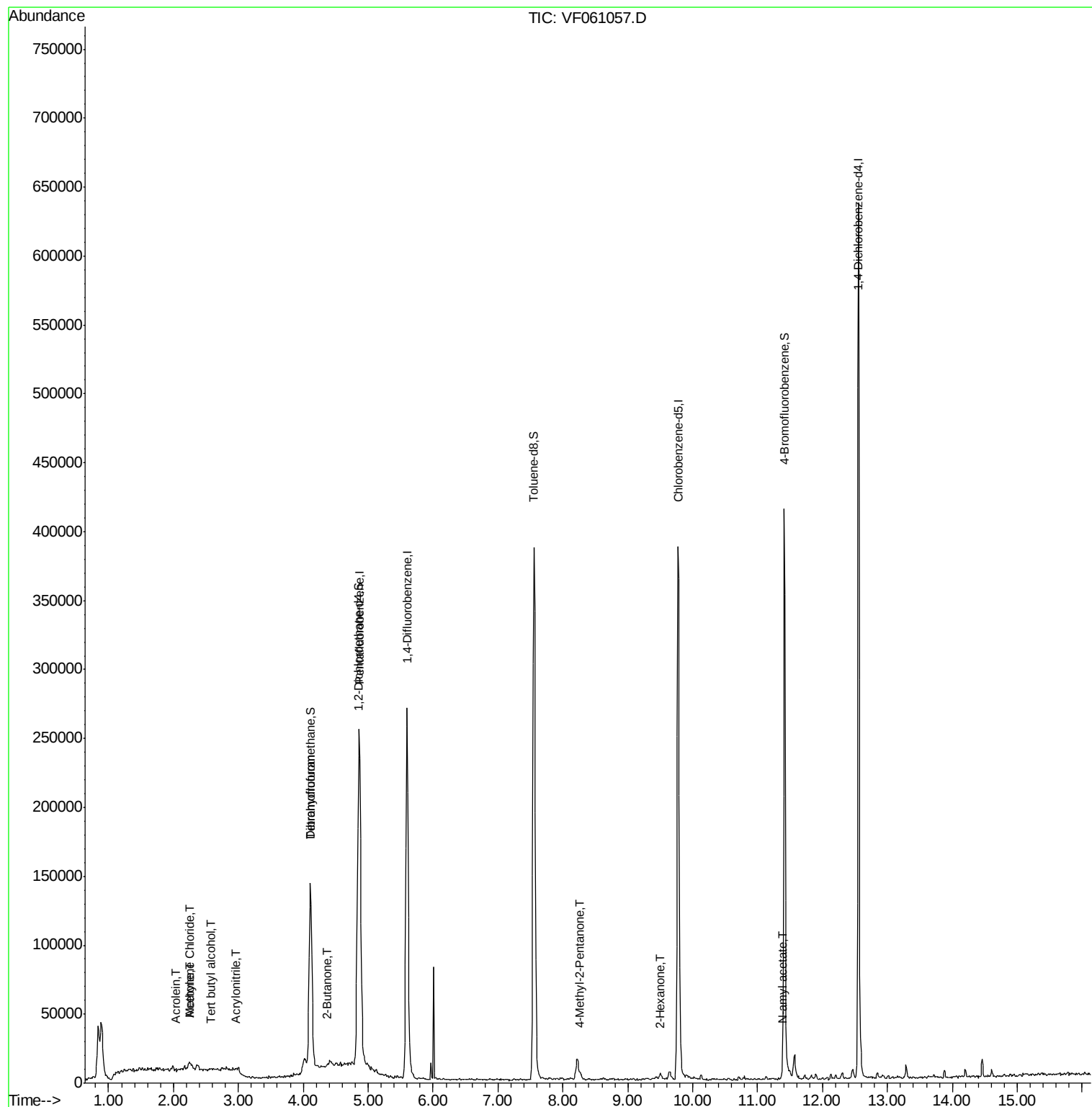
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	156	1.905	ug/l #	62
13) Acrolein	2.03	56	435	5.605	ug/l	95
15) Acrylonitrile	2.97	53	730	3.975	ug/l #	35
16) Acetone	2.24	43	3692	10.020	ug/l #	85
20) Methylene Chloride	2.26	84	4248	3.143	ug/l #	69
25) 2-Butanone	4.36	43	1800	2.824	ug/l #	57
29) Tetrahydrofuran	4.10	42	711	2.632	ug/l #	47
41) Methacrylonitrile	4.76	41	101	Below Cal	#	23
43) Isopropyl Acetate	6.91	43	88	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.26	43	3631	2.930	ug/l	93
59) 2-Hexanone	9.50	43	3651	4.199	ug/l	88
74) N-amyl acetate	11.37	43	4936	1.724	ug/l #	79
95) Naphthalene	14.46	128	9144	Below Cal		98

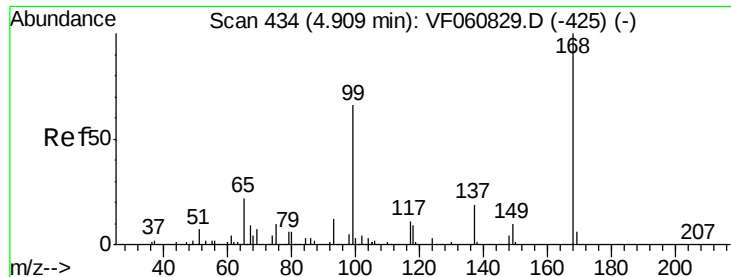
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121818\
Data File : VF061057.D
Acq On : 18 Dec 2018 12:27
Operator : VA/AP
Sample : VF1218SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1218SBL01

Quant Time: Dec 19 00:48:58 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: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

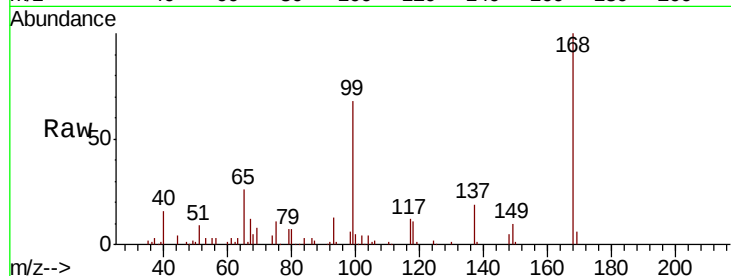
VF1218SBL01

Tot Ion:168 Resp: 169614

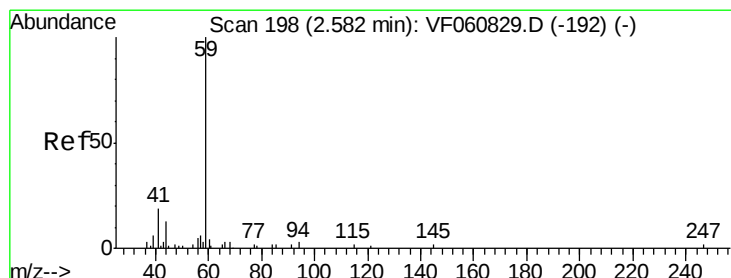
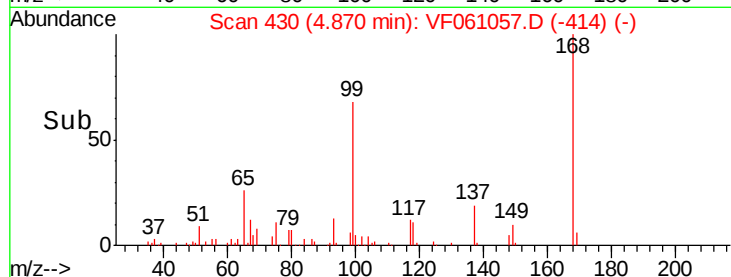
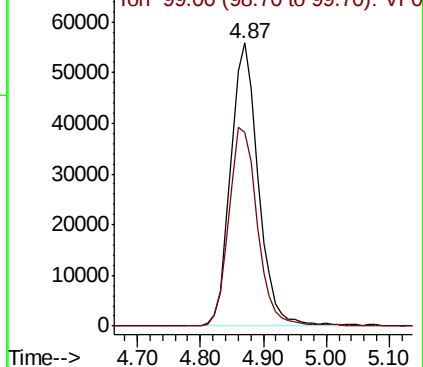
Ion Ratio Lower Upper

168 100

99 68.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 1.905 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061057.D

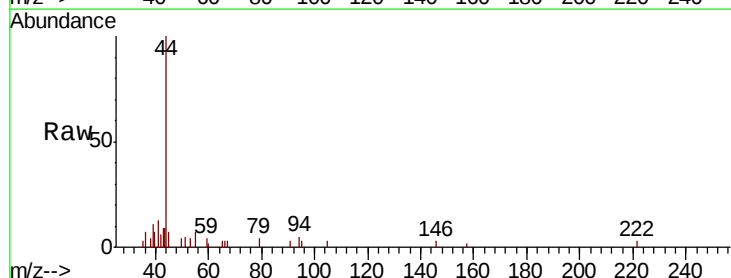
Acq: 18 Dec 2018 12:27

Tgt Ion: 59 Resp: 156

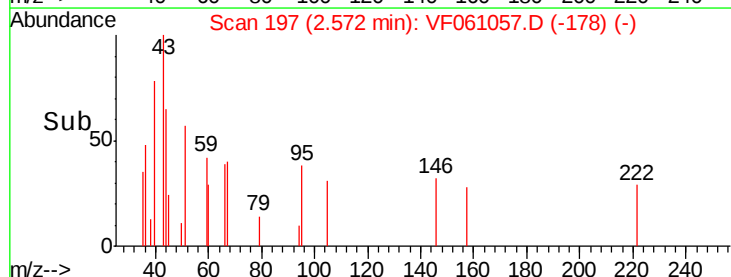
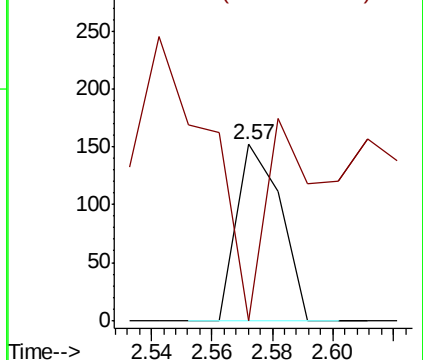
Ion Ratio Lower Upper

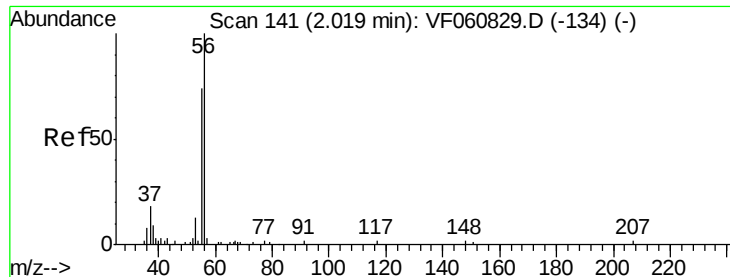
59 100

57 0.0 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 5.605 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

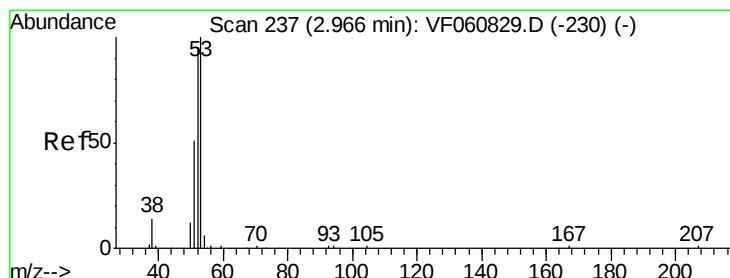
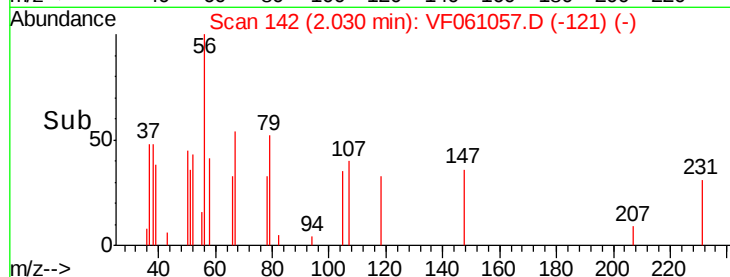
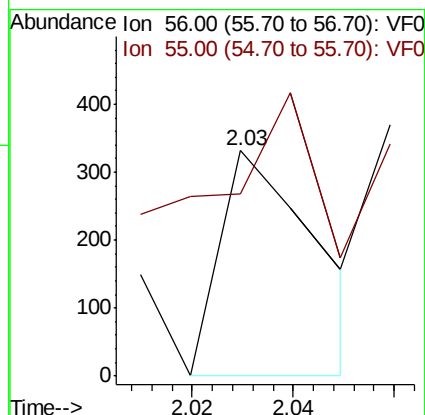
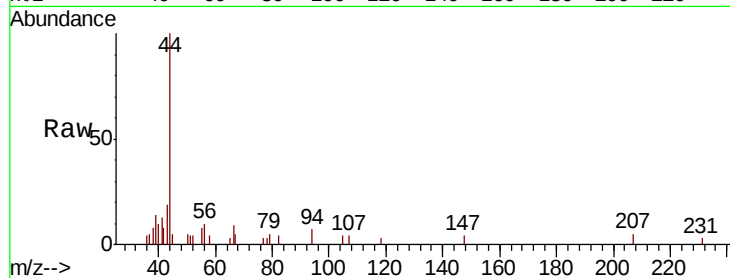
VF1218SBL01

Tot Ion: 56 Resp: 435

Ion Ratio Lower Upper

56 100

55 80.7 61.2 91.8



#15

Acrylonitrile

Concen: 3.975 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

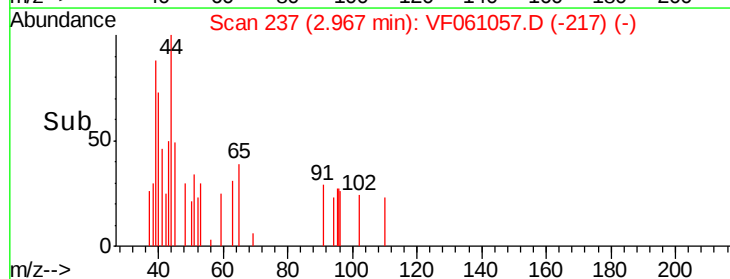
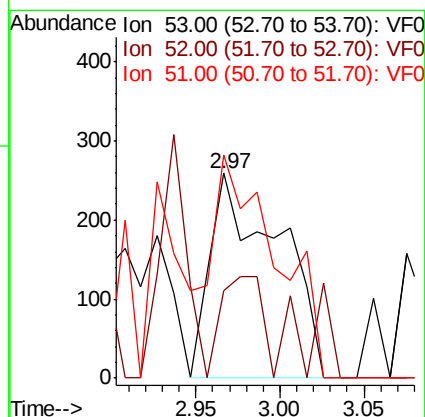
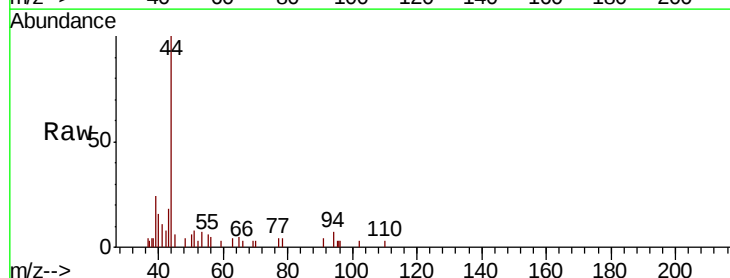
Tgt Ion: 53 Resp: 730

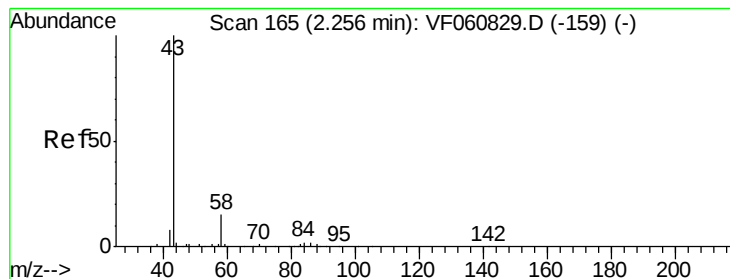
Ion Ratio Lower Upper

53 100

52 42.5 76.5 114.7#

51 109.3 40.7 61.1#





#16

Acetone

Concen: 10.020 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

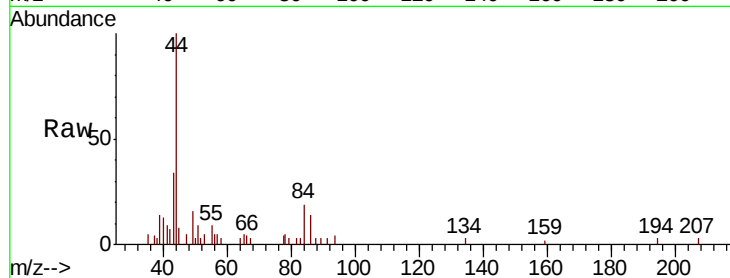
VF1218SBL01

Tot Ion: 43 Resp: 3692

Ion Ratio Lower Upper

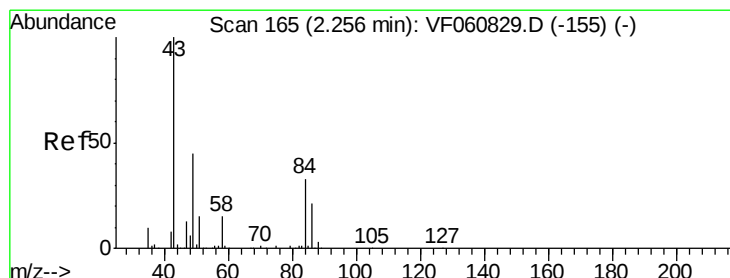
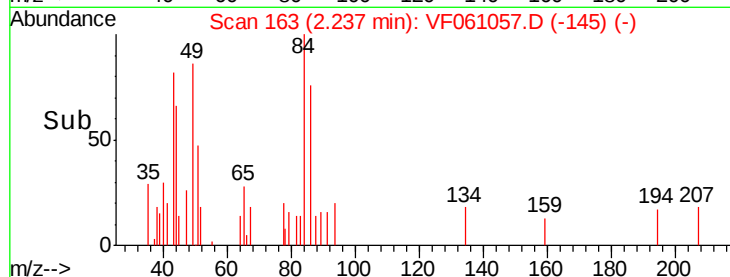
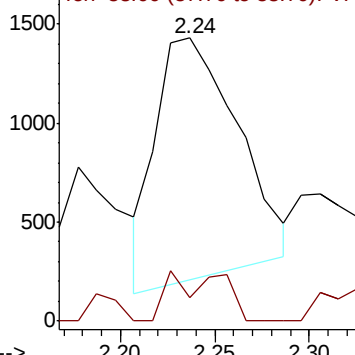
43 100

58 8.2 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: 3.143 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Tgt Ion: 84 Resp: 4248

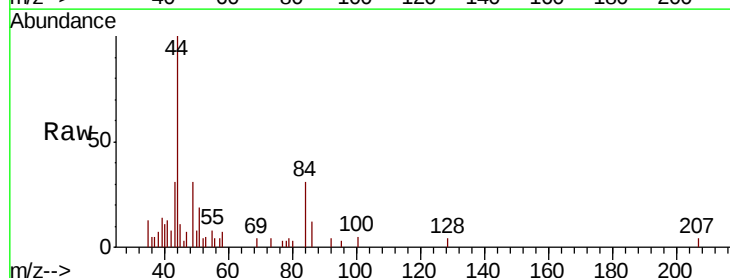
Ion Ratio Lower Upper

84 100

49 97.8 111.3 166.9#

51 60.1 38.0 57.0#

86 37.8 49.8 74.8#

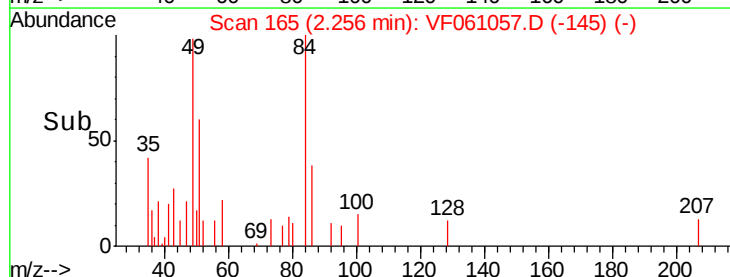
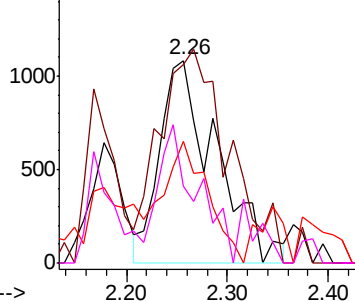


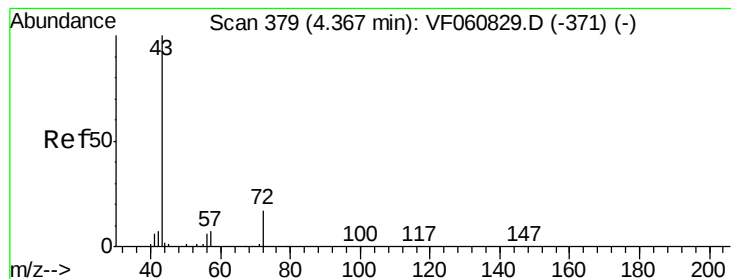
Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 2.824 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

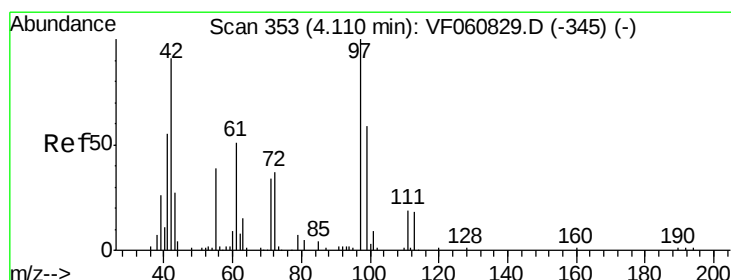
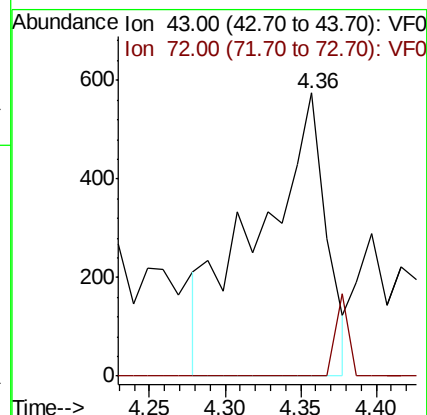
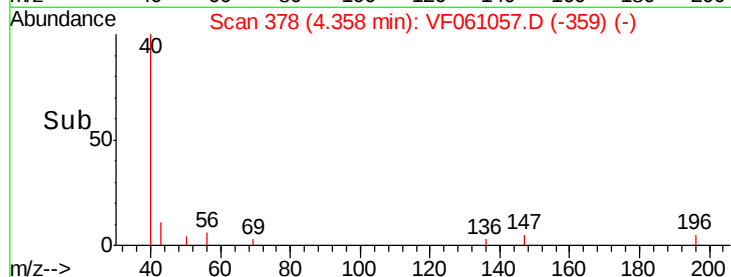
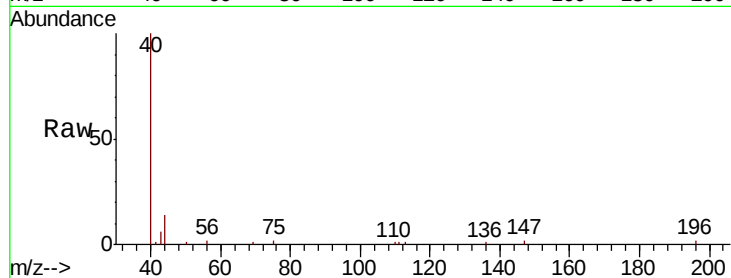
VF1218SBL01

Tot Ion: 43 Resp: 1800

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 2.632 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

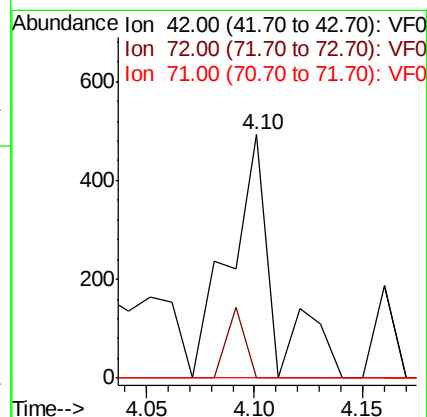
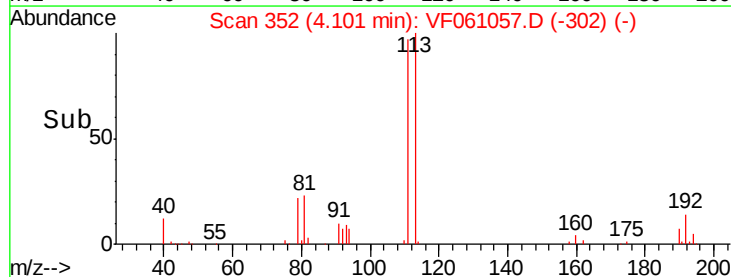
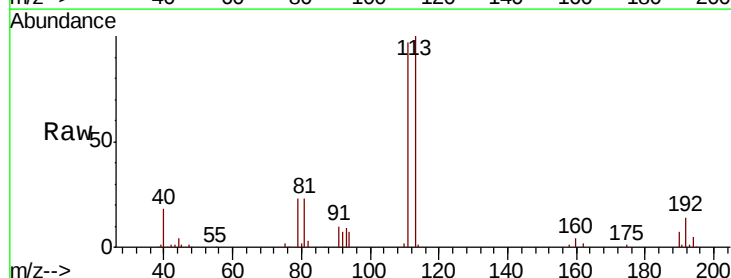
Tgt Ion: 42 Resp: 711

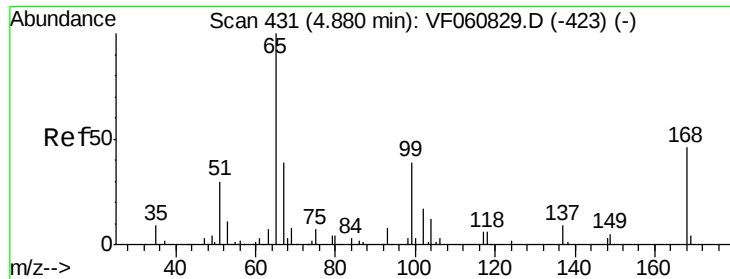
Ion Ratio Lower Upper

42 100

72 12.0 31.9 47.9#

71 0.0 28.7 43.1#

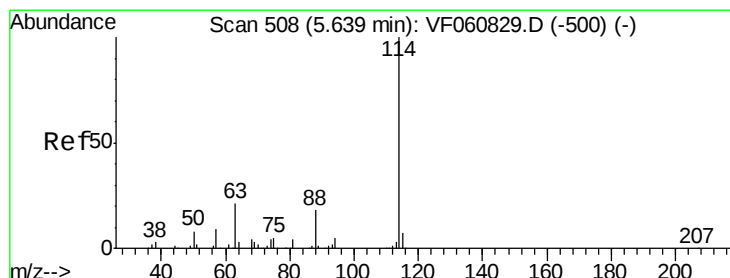
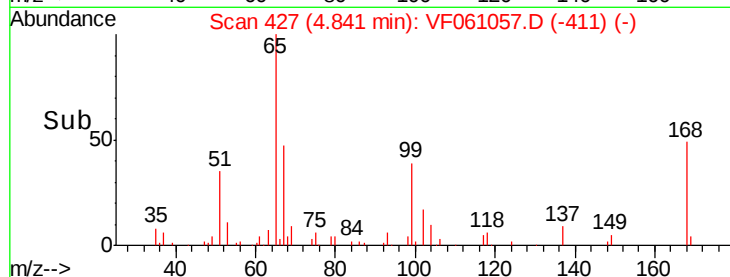
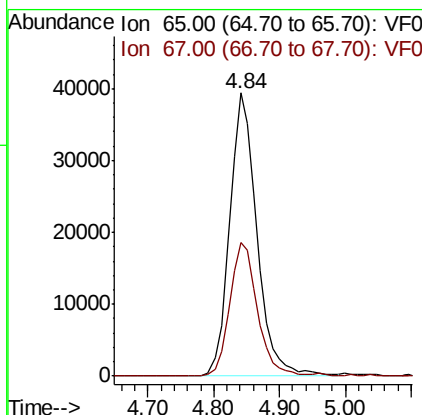
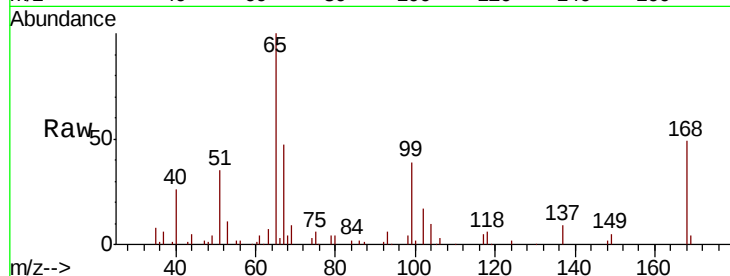




#33
 1,2-Dichloroethane-d4
 Concen: 57.373 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF061057.D
 Acq: 18 Dec 2018 12:27

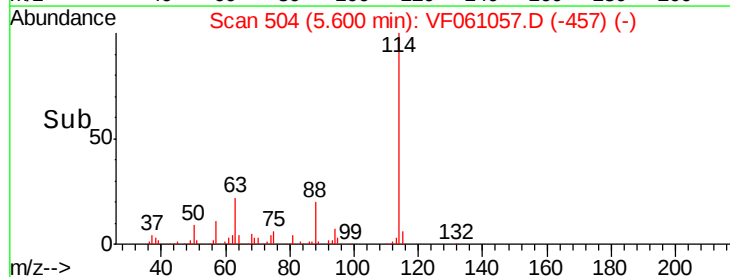
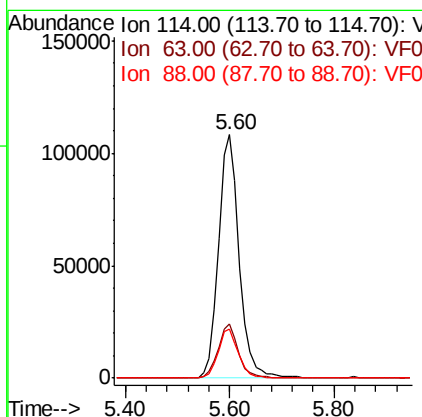
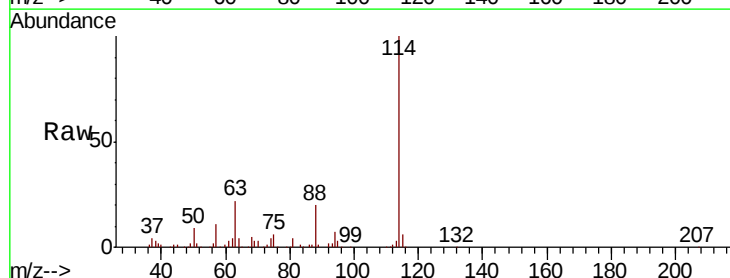
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBL01

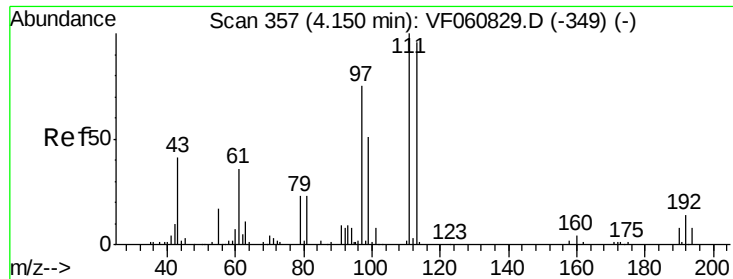
Tot Ion: 65 Resp: 114638
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF061057.D
 Acq: 18 Dec 2018 12:27

Tgt Ion: 114 Resp: 298160
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.6
 88 20.1 0.0 36.6

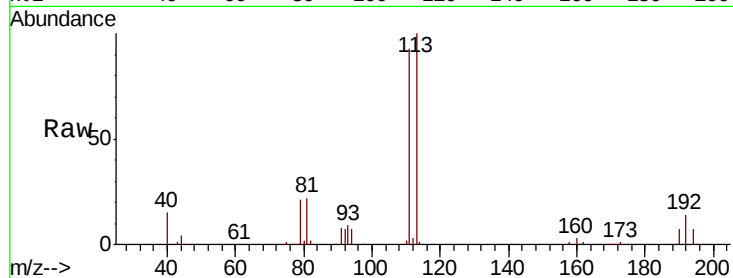




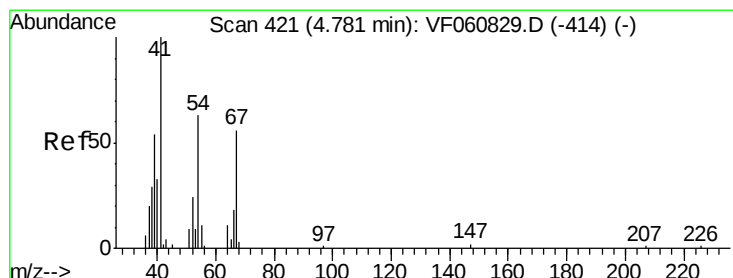
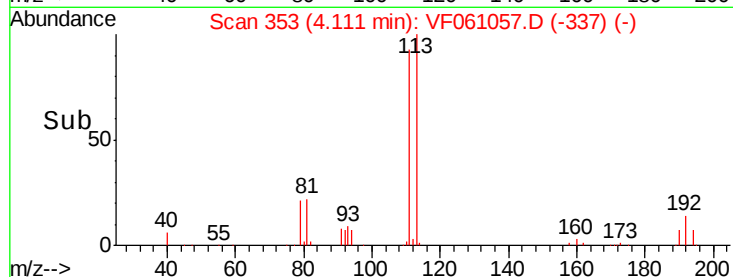
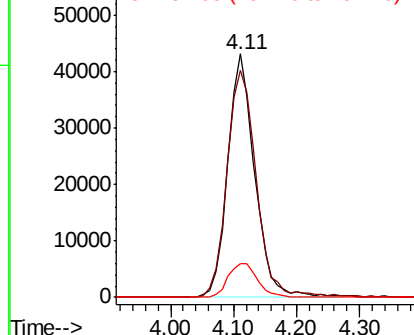
#35
Dibromofluoromethane
Concen: 54.084 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF061057.D
Acq: 18 Dec 2018 12:27

Instrument :
MSVOA_F
ClientSampleId :
VF1218SBL01

Tot Ion:113 Resp: 127930
Ion Ratio Lower Upper
113 100
111 93.2 83.0 124.6
192 13.7 12.3 18.5



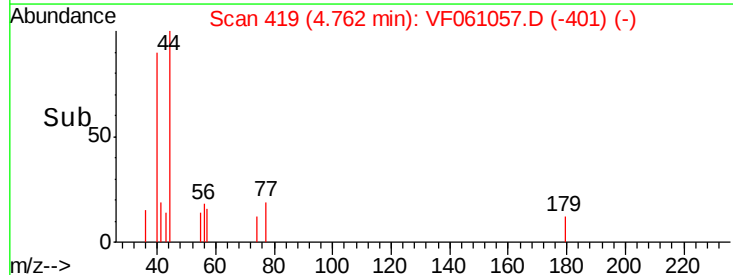
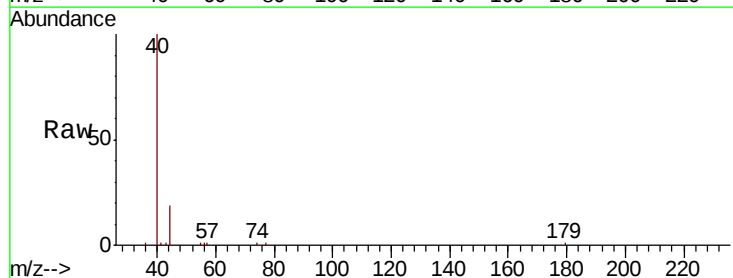
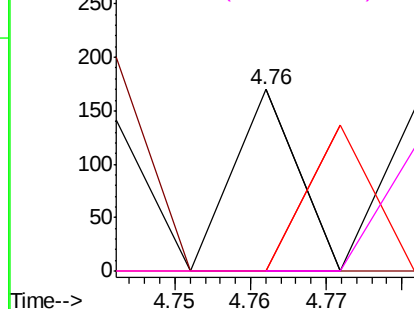
Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

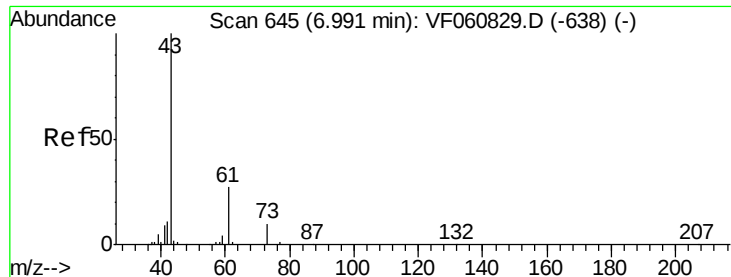


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061057.D
Acq: 18 Dec 2018 12:27

Tgt Ion: 41 Resp: 101
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#

Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



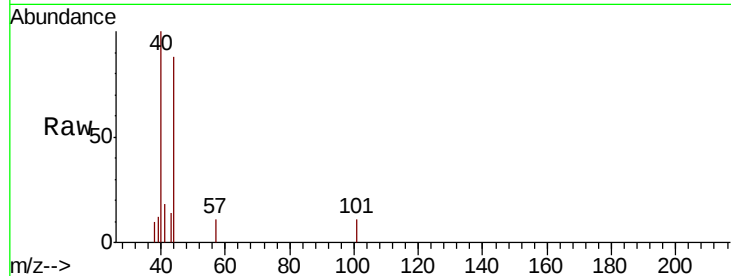


#43

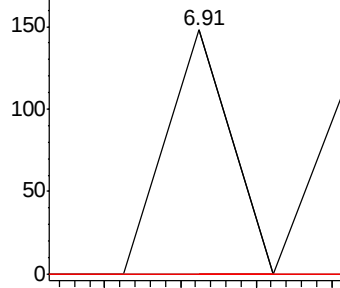
Isopropyl Acetate
 Concen: Below Cal
 RT: 6.91 min Scan# 637
 Delta R.T. -0.08 min
 Lab File: VF061057.D
 Acq: 18 Dec 2018 12:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBL01

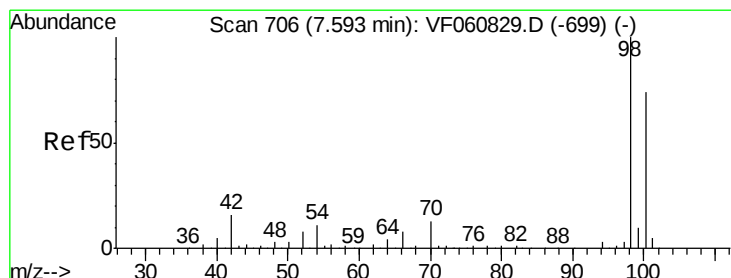
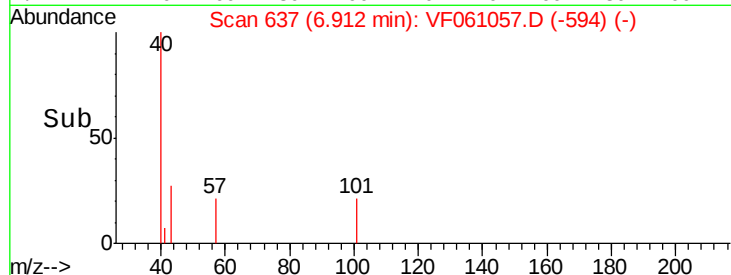
Tot Ion	43	Resp	88
Ion Ratio	100		
Lower	21.4		
Upper	32.0		
87	0.0	0.2	0.4



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



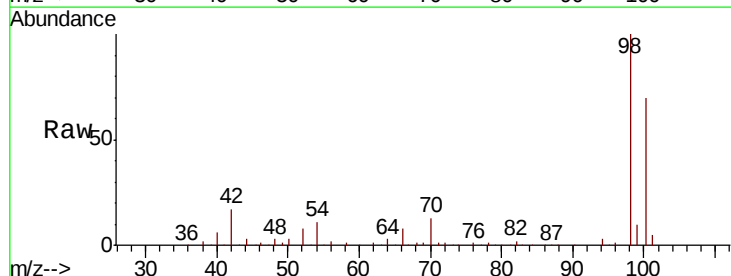
Time-->



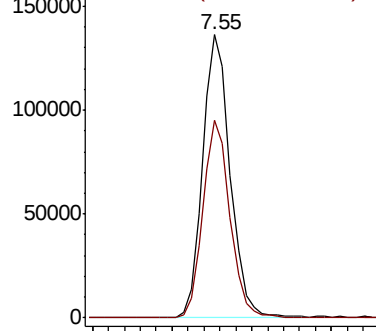
#50

Toluene-d8
 Concen: 47.279 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.04 min
 Lab File: VF061057.D
 Acq: 18 Dec 2018 12:27

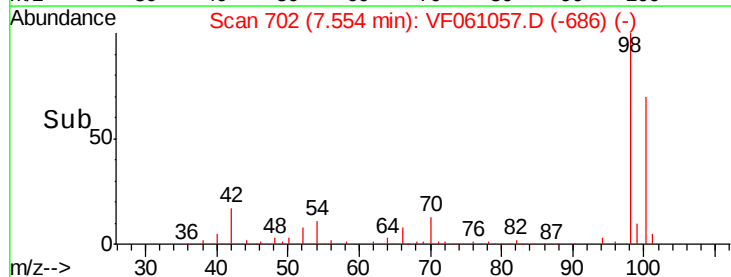
Tgt Ion	98	Resp	329424
Ion Ratio	100		
Lower	59.3		
Upper	88.9		
100	69.9		

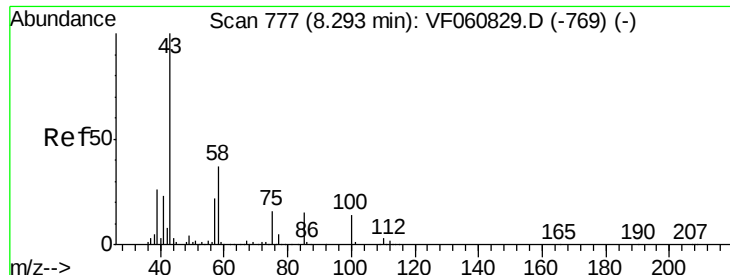


Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 2.930 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

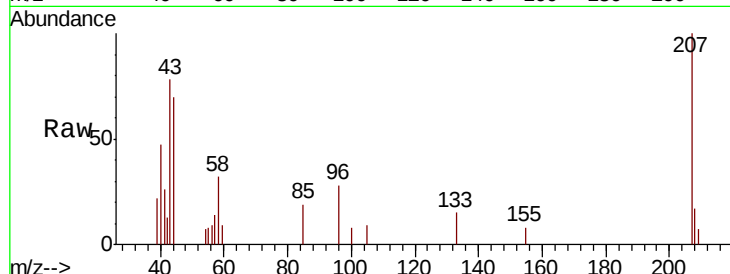
VF1218SBL01

Tot Ion: 43 Resp: 3631

Ion Ratio Lower Upper

43 100

58 41.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

1200

1000

800

600

400

200

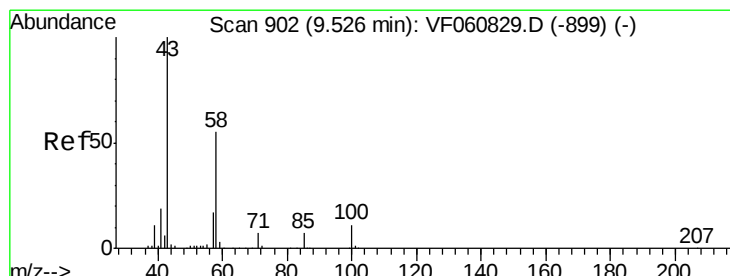
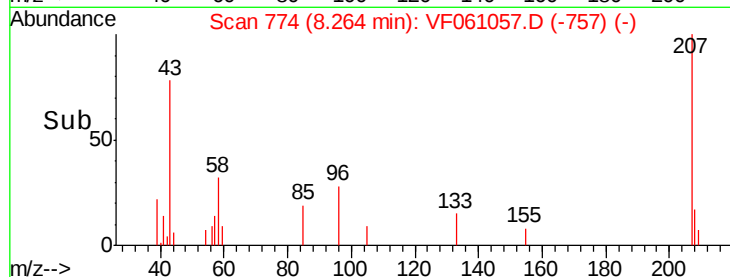
0

8.20

8.30

8.40

Time-->



#59

2-Hexanone

Concen: 4.199 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.03 min

Lab File: VF061057.D

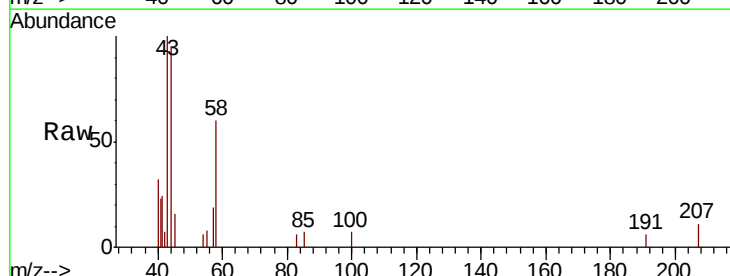
Acq: 18 Dec 2018 12:27

Tgt Ion: 43 Resp: 3651

Ion Ratio Lower Upper

43 100

58 59.5 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.50

2000

1500

1000

500

0

9.40

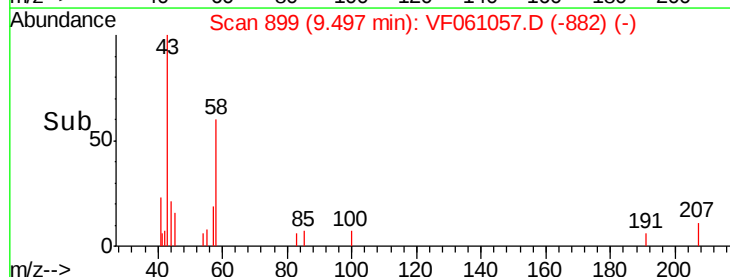
9.45

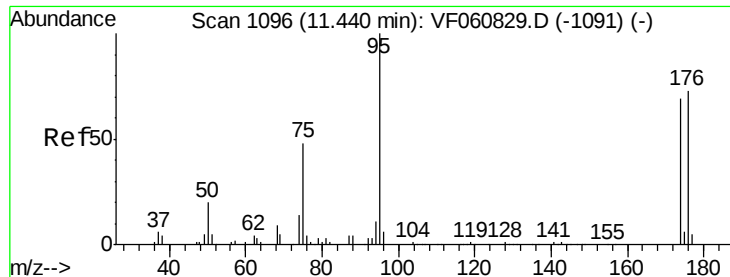
9.50

9.55

9.60

Time-->





#62

4-Bromofluorobenzene

Concen: 50.342 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

Instrument :

MSVOA_F

ClientSampleId :

VF1218SBL01

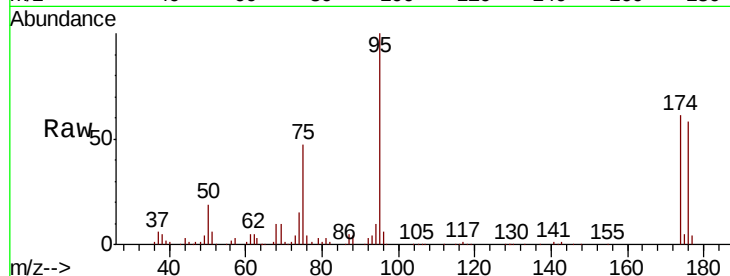
Tot Ion: 95 Resp: 159418

Ion Ratio Lower Upper

95 100

174 60.9 0.0 138.2

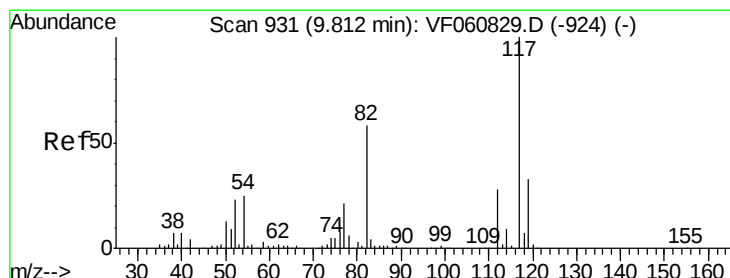
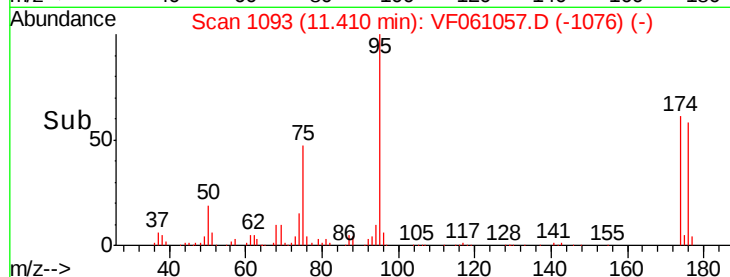
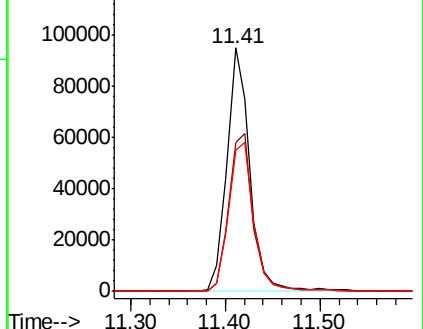
176 58.2 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF061057.D

Acq: 18 Dec 2018 12:27

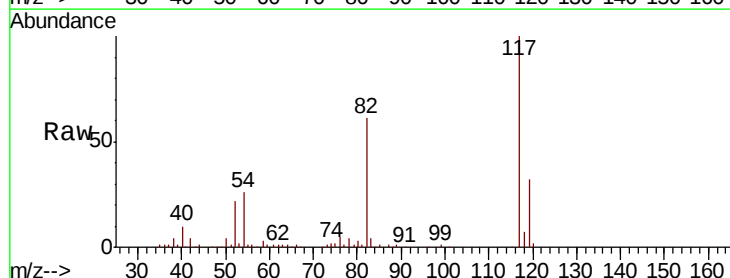
Tgt Ion: 117 Resp: 278998

Ion Ratio Lower Upper

117 100

82 61.5 46.6 69.8

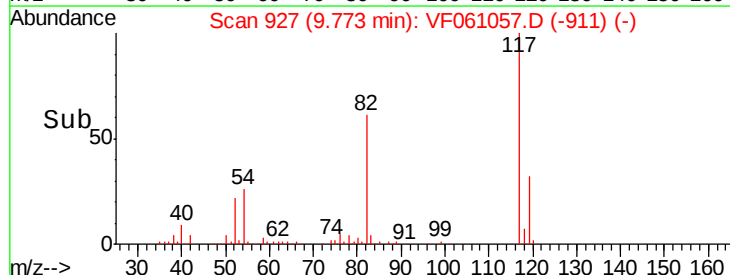
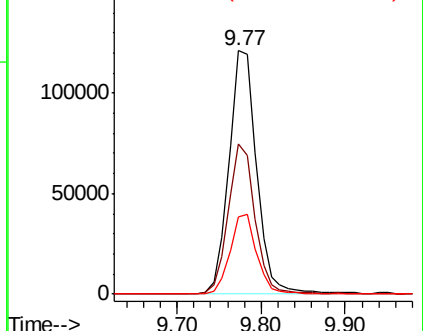
119 31.8 26.4 39.6

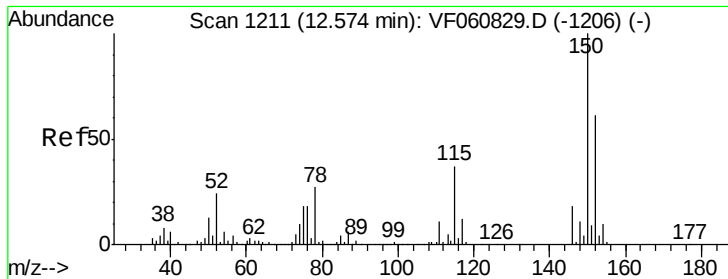


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



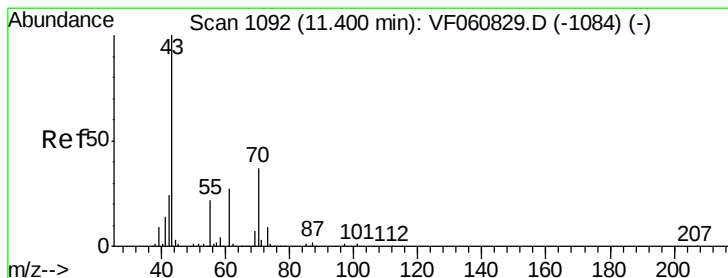
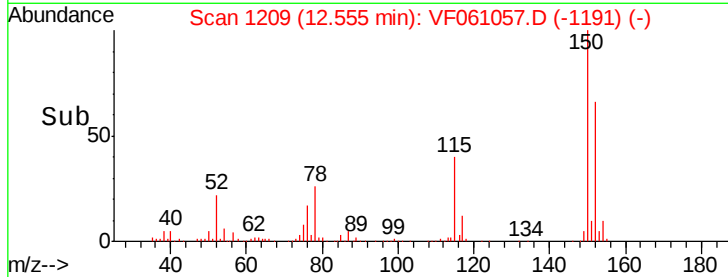
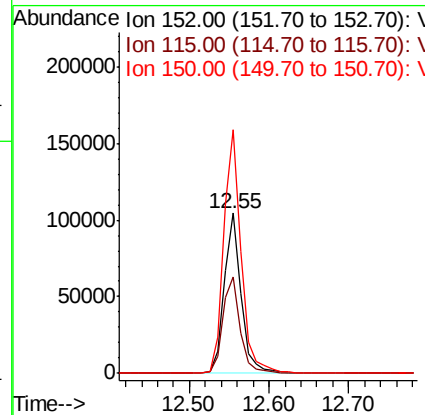
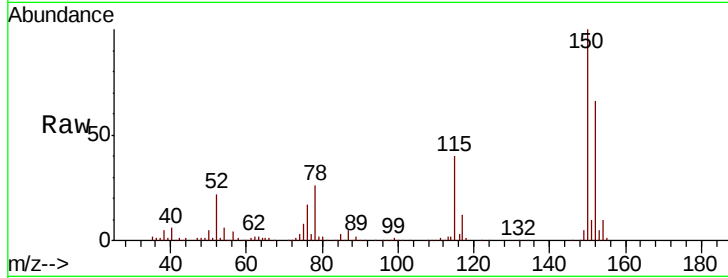


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF061057.D
Acq: 18 Dec 2018 12:27

Instrument :
MSVOA_F
ClientSampleId :
VF1218SBL01

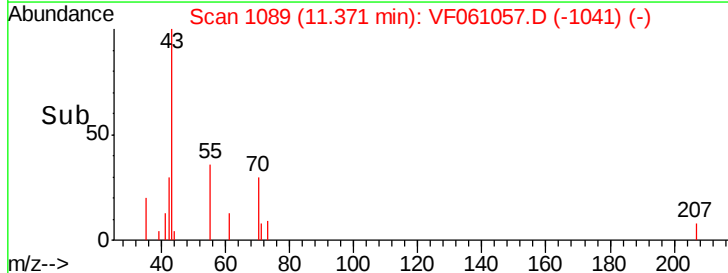
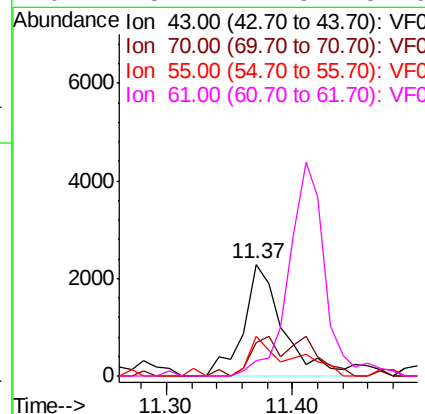
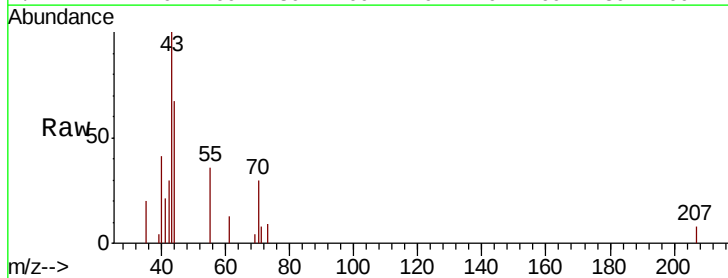
Tot Ion:152 Resp: 156854
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 151.9 0.0 327.6

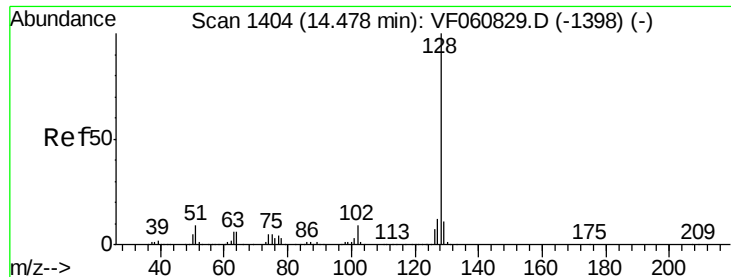


#74

N-ethyl acetate
Concen: 1.724 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.03 min
Lab File: VF061057.D
Acq: 18 Dec 2018 12:27

Tgt Ion: 43 Resp: 4936
Ion Ratio Lower Upper
43 100
70 30.1 29.6 44.4
55 36.0 17.2 25.8#
61 13.2 21.8 32.6#

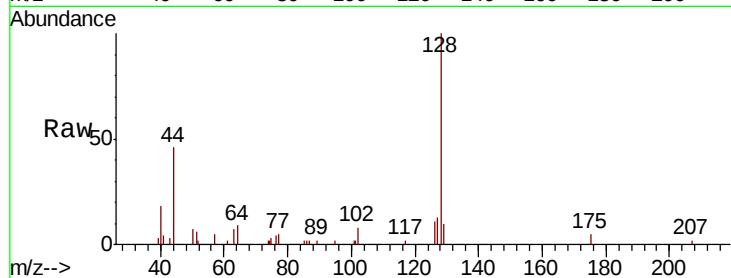




#95
Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF061057.D
Acq: 18 Dec 2018 12:27

Instrument :
MSVOA_F
ClientSampleId :
VF1218SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.3	9.1	13.7



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

