

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061047.D
 Acq On : 17 Dec 2018 18:25
 Operator : VA/AP
 Sample : J6353-06RE
 Misc : 5.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:09:25 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	4.89	168	220311	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	358521	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	305701	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	170904	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	121293	46.73	ug/l	-0.02
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	4.13	113	148659	52.27	ug/l	-0.02
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	7.57	98	379771	45.33	ug/l	-0.02
Spiked Amount			Recovery	=	90.66%	
62) 4-Bromofluorobenzene	11.43	95	180676	47.45	ug/l	-0.01
Spiked Amount			Recovery	=	94.90%	

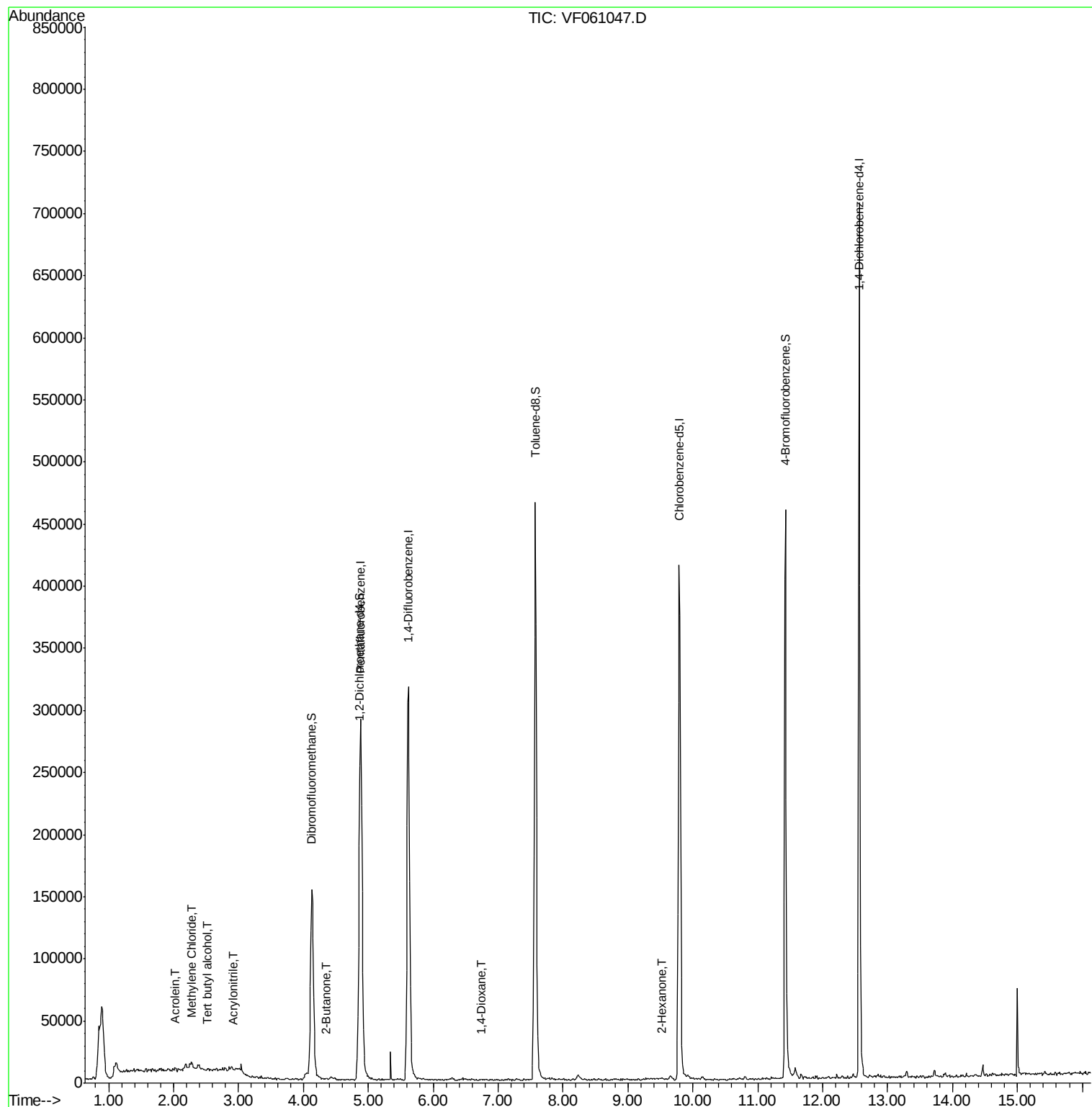
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.51	59	165	1.551	ug/l #	1
13) Acrolein	2.03	56	403	3.998	ug/l	100
15) Acrylonitrile	2.93	53	401	1.681	ug/l #	48
18) Methyl Acetate	2.35	43	376	Below Cal	#	61
20) Methylene Chloride	2.27	84	4029	2.295	ug/l #	76
25) 2-Butanone	4.37	43	852	1.029	ug/l #	57
41) Methacrylonitrile	4.75	41	394	Below Cal	#	50
43) Isopropyl Acetate	6.97	43	725	Below Cal	#	49
49) 1,4-Dioxane	6.73	88	65	6.072	ug/l #	12
59) 2-Hexanone	9.52	43	1685	1.612	ug/l	94
95) Naphthalene	14.47	128	4508	Below Cal	#	93

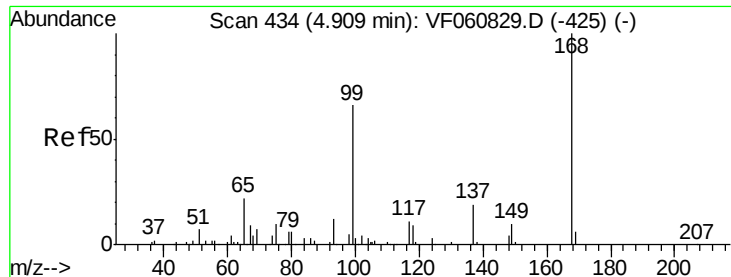
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061047.D
Acq On : 17 Dec 2018 18:25
Operator : VA/AP
Sample : J6353-06RE
Misc : 5.91a/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:25 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: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

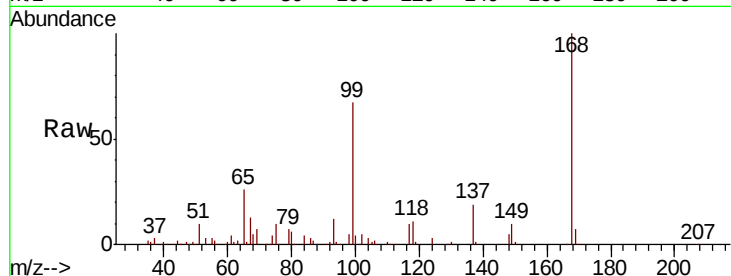
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 220311

Ion Ratio Lower Upper

168 100

99 67.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

60000

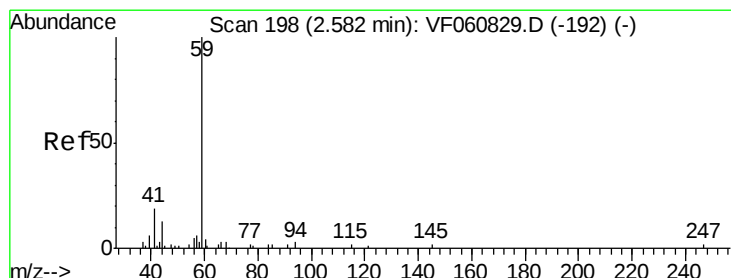
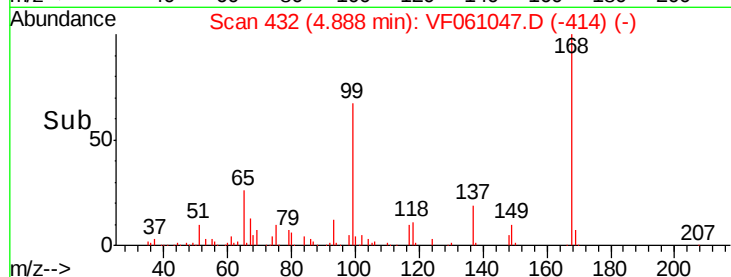
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.551 ug/l

RT: 2.51 min Scan# 191

Delta R.T. -0.07 min

Lab File: VF061047.D

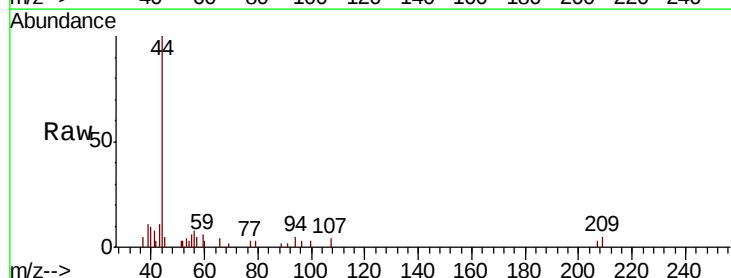
Acq: 17 Dec 2018 18:25

Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 78.4 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.51

300

250

200

150

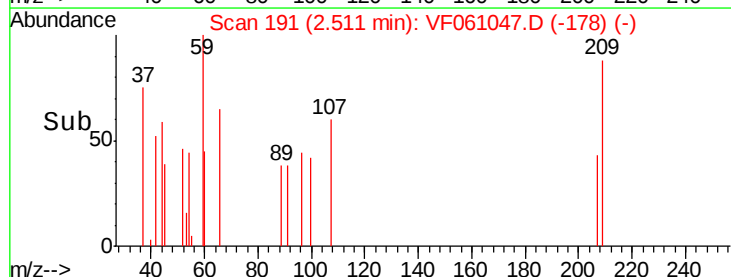
100

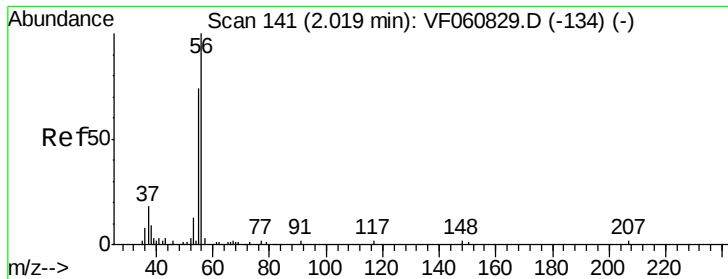
50

0

Time-->

2.48 2.50 2.52 2.54

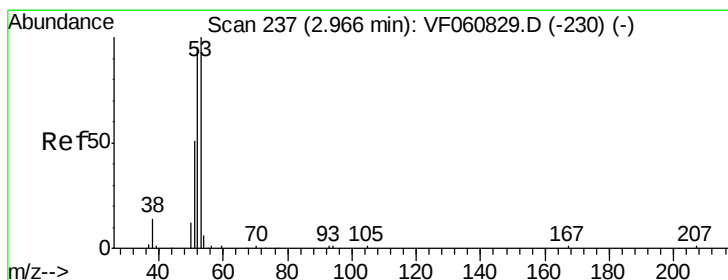
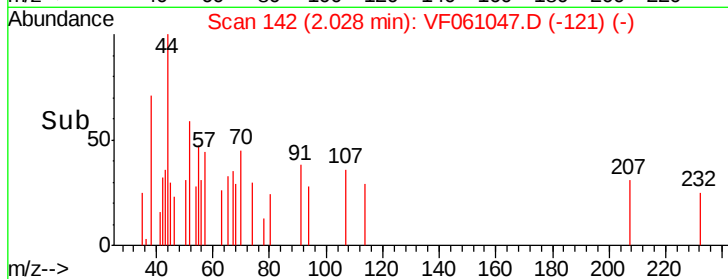
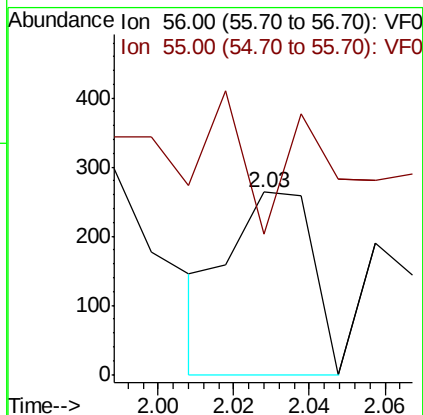
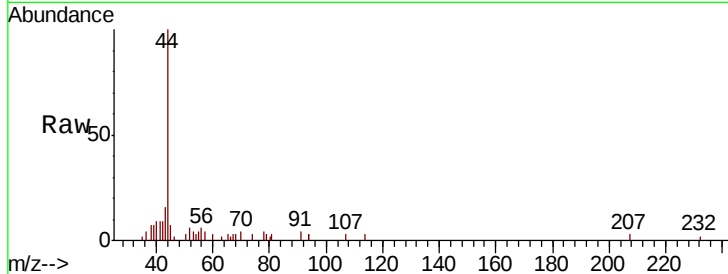




#13
Acrolein
Concen: 3.998 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

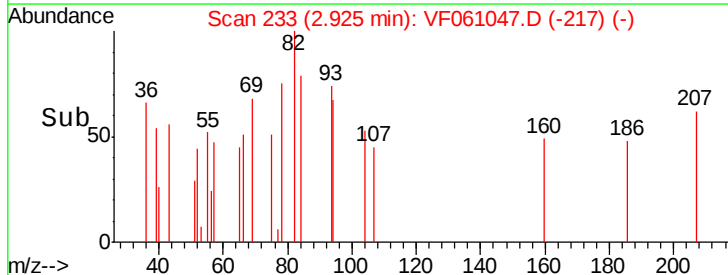
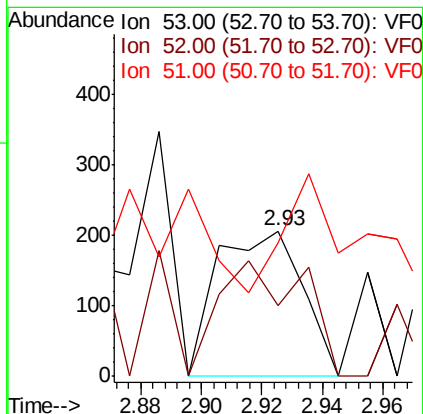
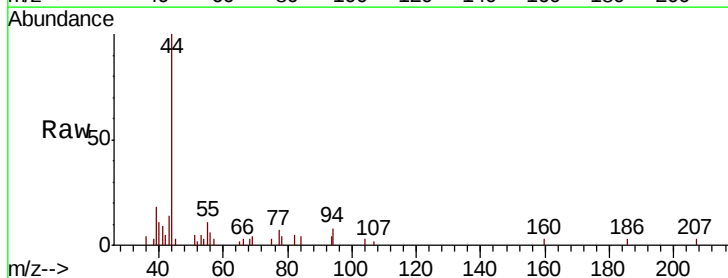
Instrument :
MSVOA_F
ClientSampled :

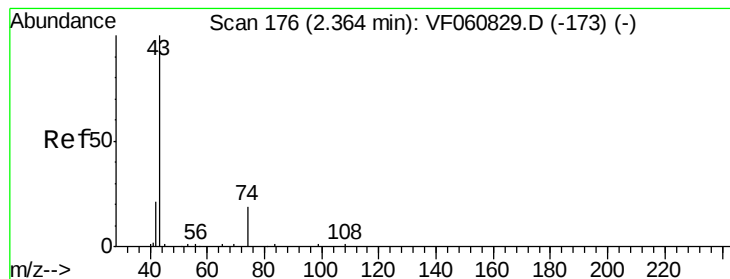
Tot Ion: 56 Resp: 403
Ion Ratio Lower Upper
56 100
55 76.9 61.2 91.8



#15
Acrylonitrile
Concen: 1.681 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.04 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

Tgt Ion: 53 Resp: 401
Ion Ratio Lower Upper
53 100
52 48.5 76.5 114.7#
51 91.3 40.7 61.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.35 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

Instrument :

MSVOA_F

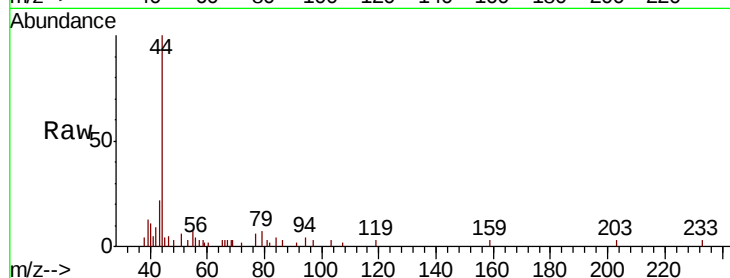
ClientSampled :

Tot Ion: 43 Resp: 376

Ion Ratio Lower Upper

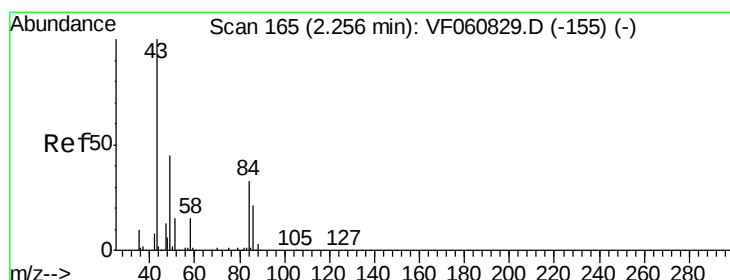
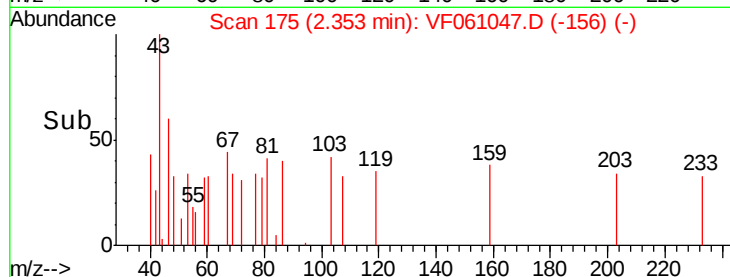
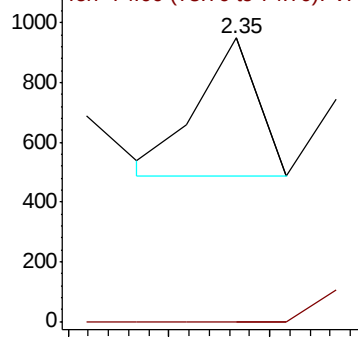
43 100

74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: 2.295 ug/l

RT: 2.27 min Scan# 167

Delta R.T. 0.02 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

Tgt Ion: 84 Resp: 4029

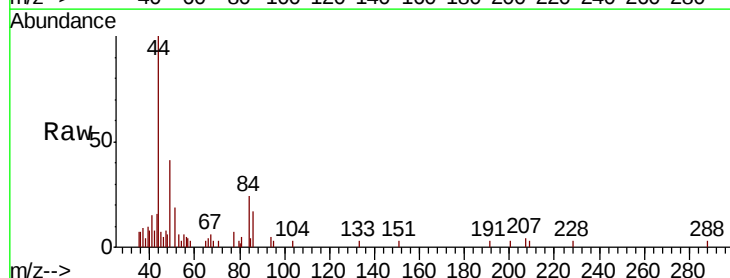
Ion Ratio Lower Upper

84 100

49 166.3 111.3 166.9

51 77.6 38.0 57.0#

86 71.4 49.8 74.8

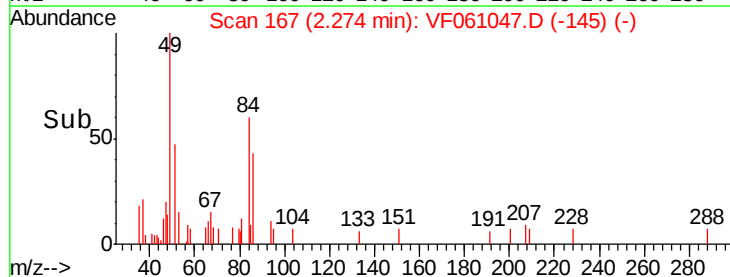
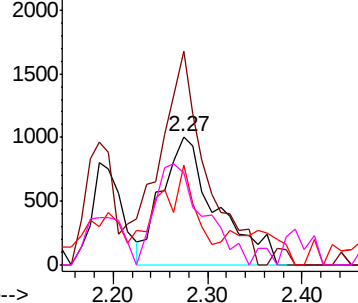


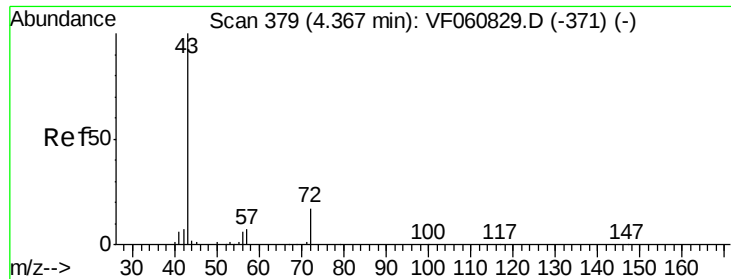
Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 1.029 ug/l

RT: 4.37 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

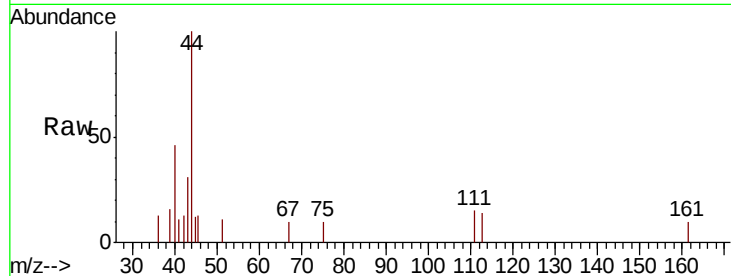
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 852

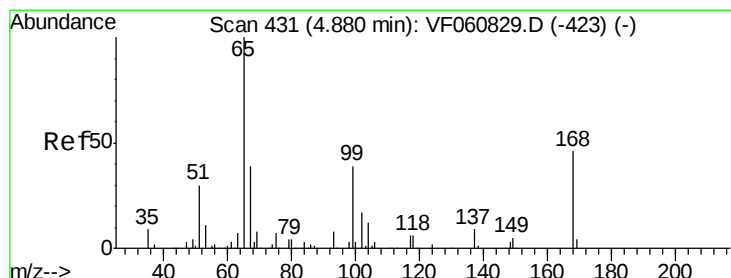
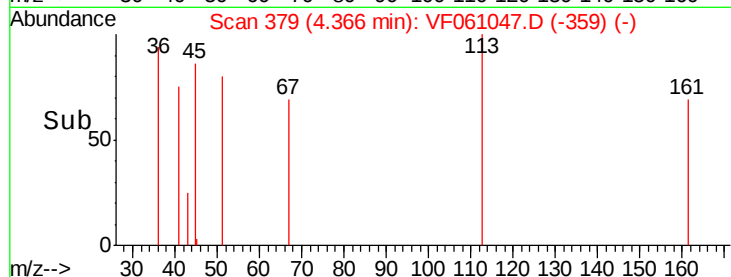
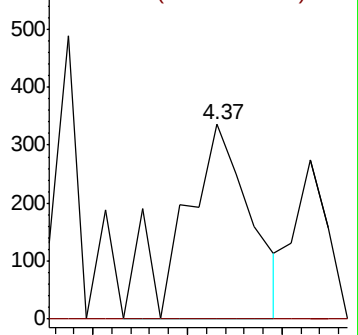
Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.735 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061047.D

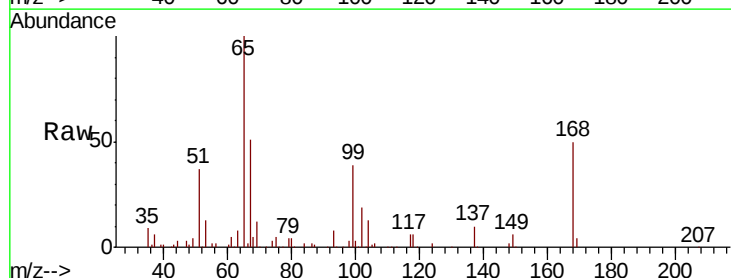
Acq: 17 Dec 2018 18:25

Tgt Ion: 65 Resp: 121293

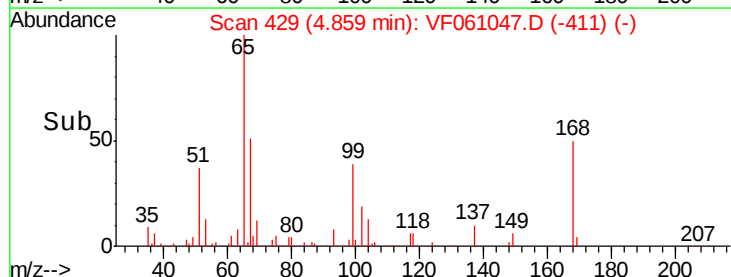
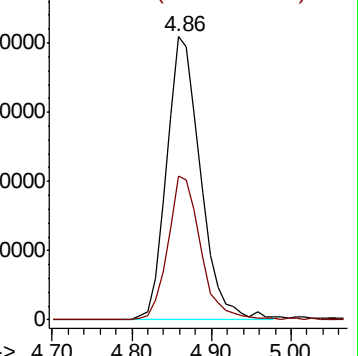
Ion Ratio Lower Upper

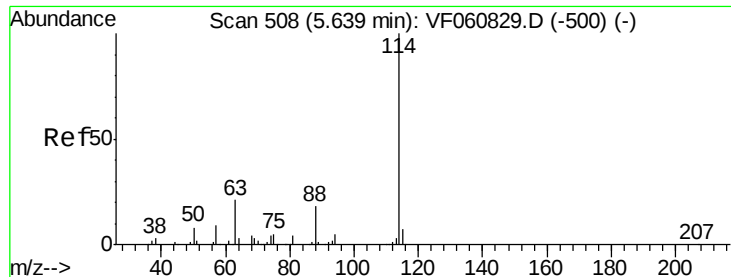
65 100

67 50.6 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

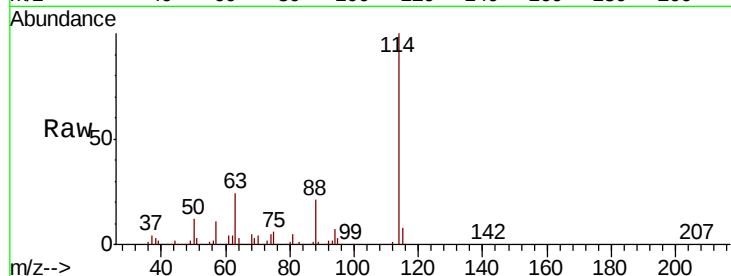
Tot Ion:114 Resp: 358521

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.6

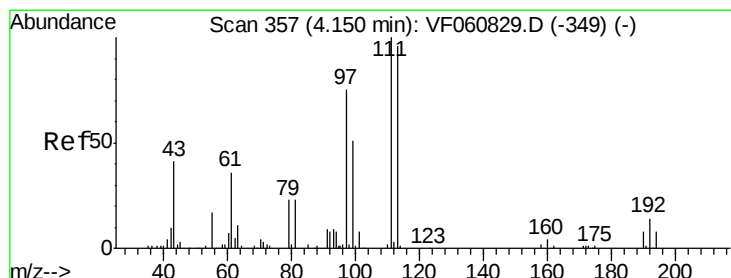
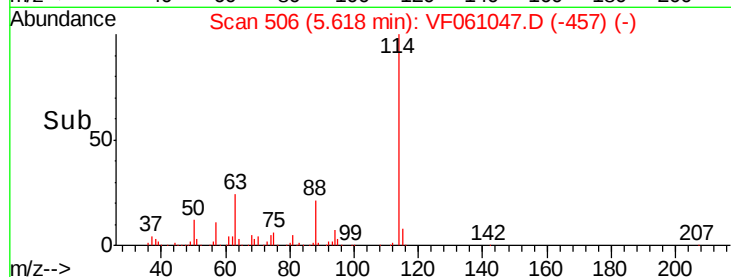
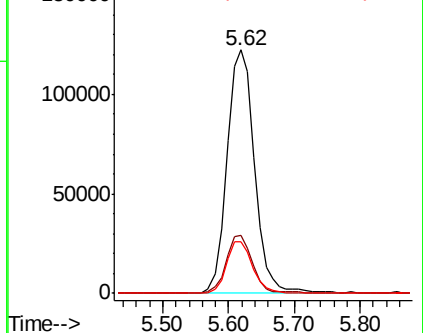
88 21.3 0.0 36.6



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: 52.267 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

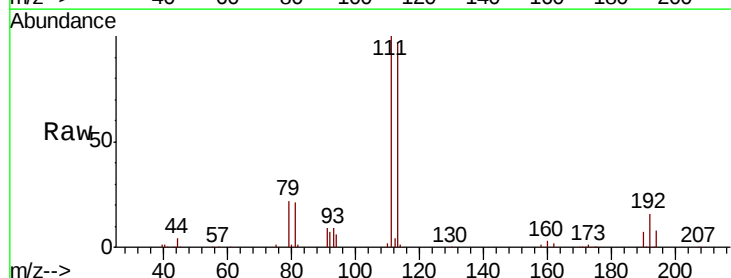
Tgt Ion:113 Resp: 148659

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

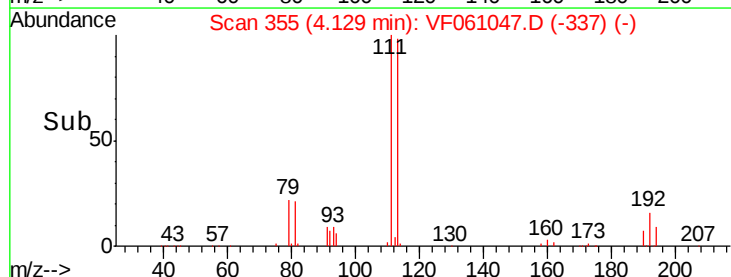
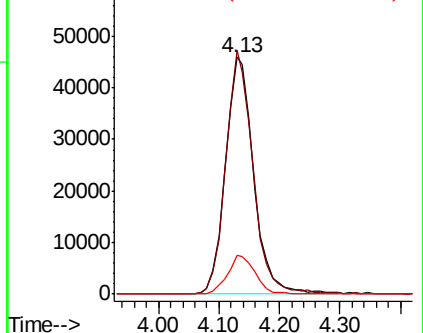
192 16.5 12.3 18.5

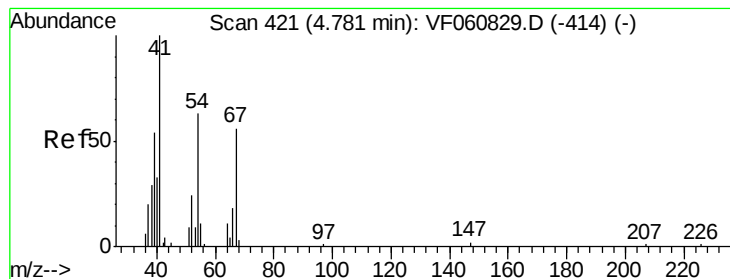


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.75 min Scan# 418

Delta R.T. -0.03 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 394

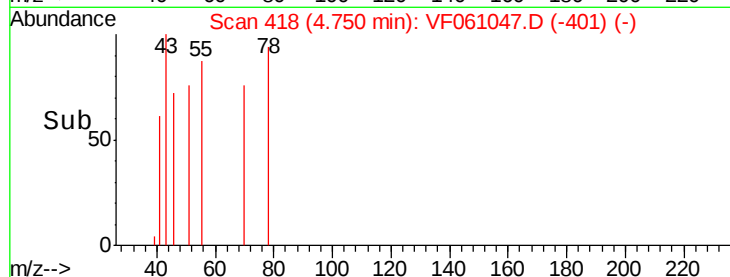
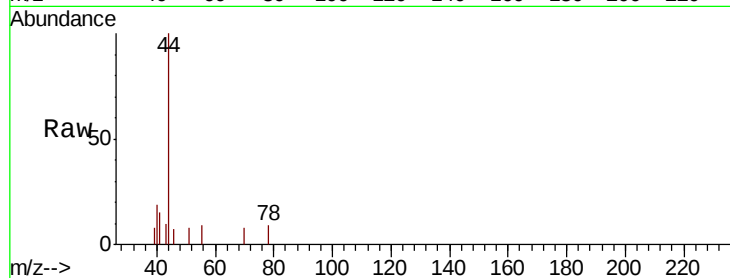
Ion Ratio Lower Upper

41 100

39 55.2 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

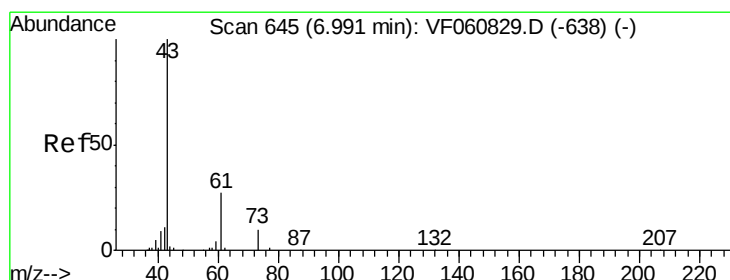
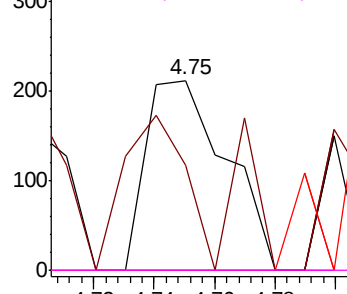


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 6.97 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

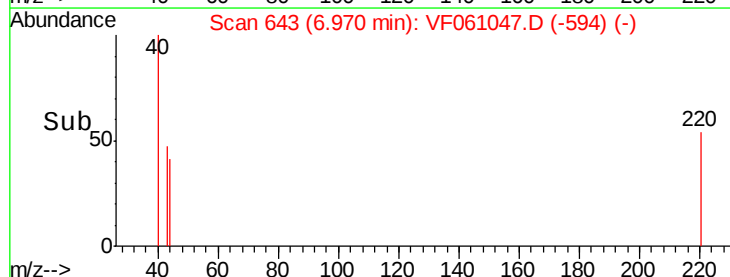
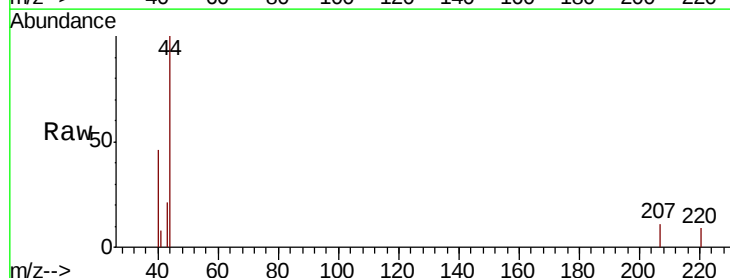
Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

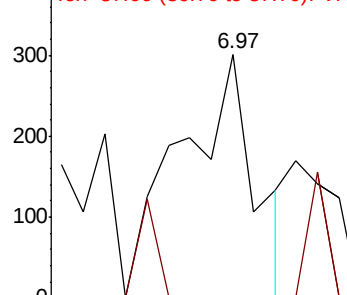
87 0.0 0.2 0.4#

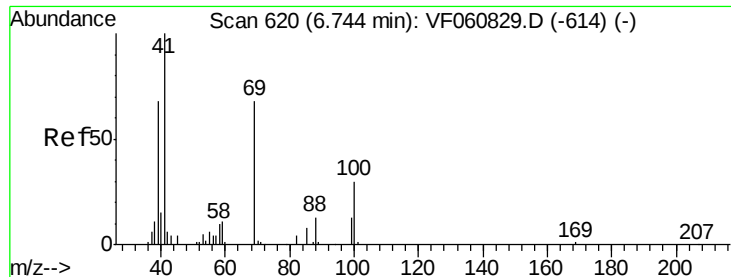


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#49

1,4-Dioxane

Concen: 6.072 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF061047.D

Acq: 17 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampled :

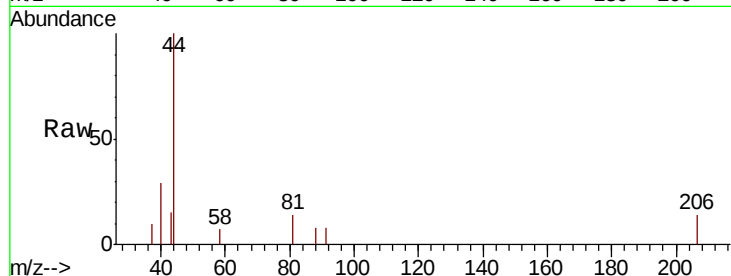
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

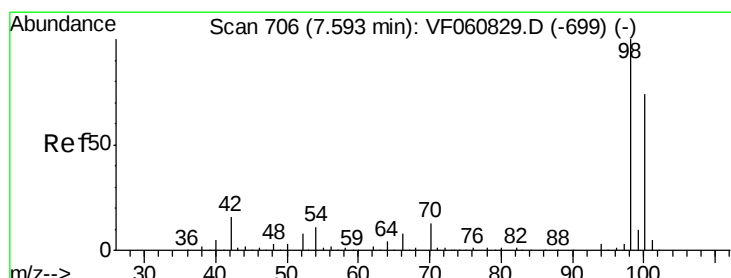
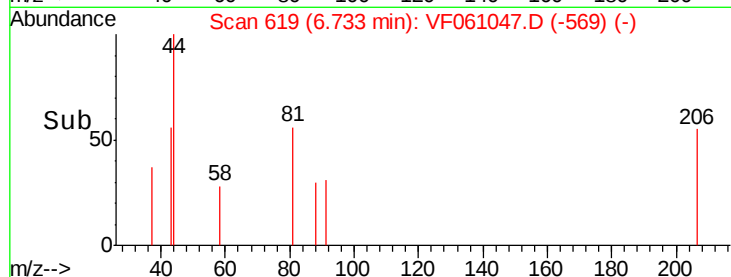
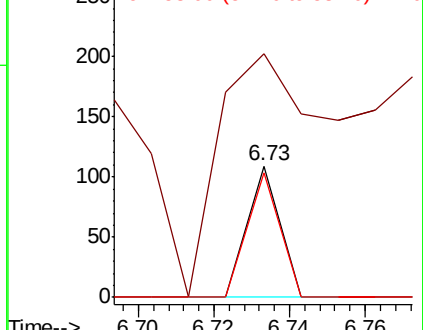
88 100

43 185.3 42.0 63.0#

58 94.5 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: 45.328 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF061047.D

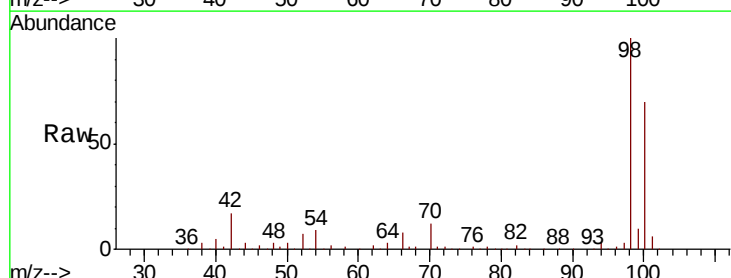
Acq: 17 Dec 2018 18:25

Tgt Ion: 98 Resp: 379771

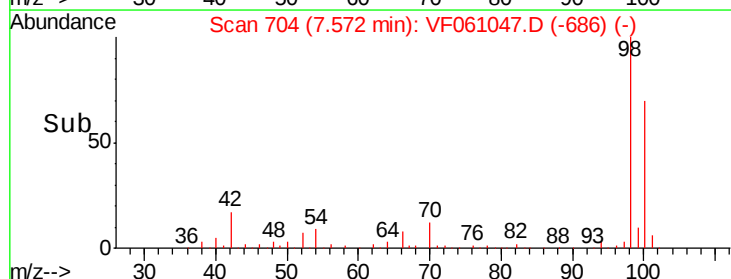
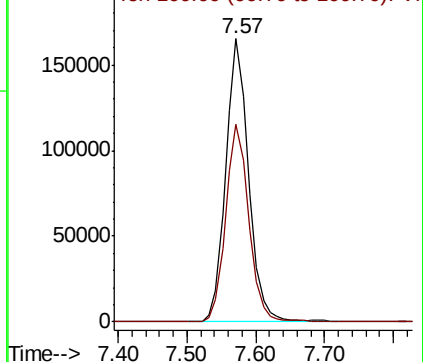
Ion Ratio Lower Upper

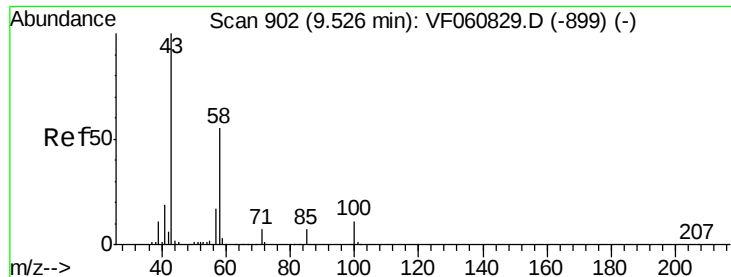
98 100

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): VF0

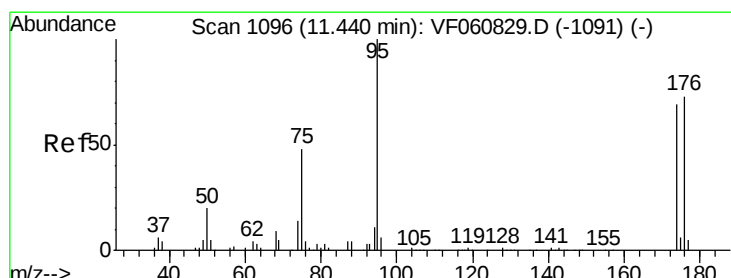
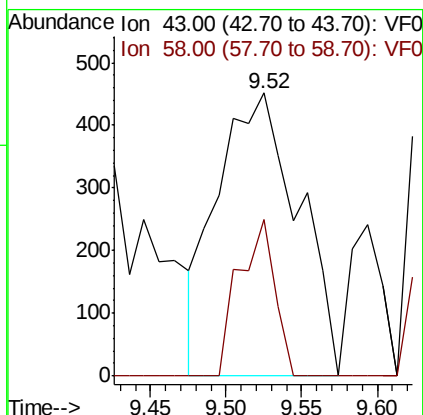
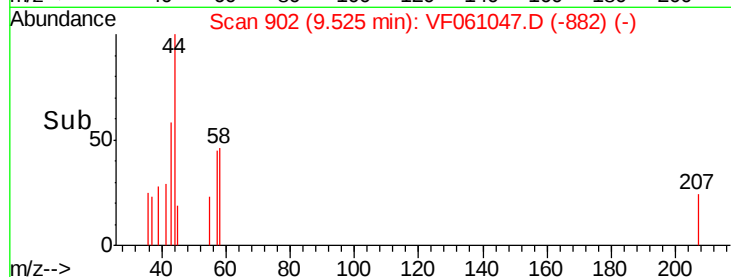
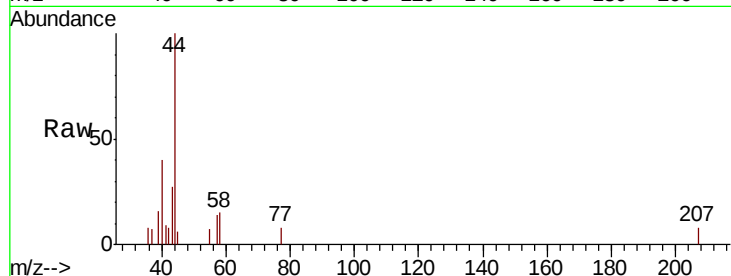




#59
2-Hexanone
Concen: 1.612 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

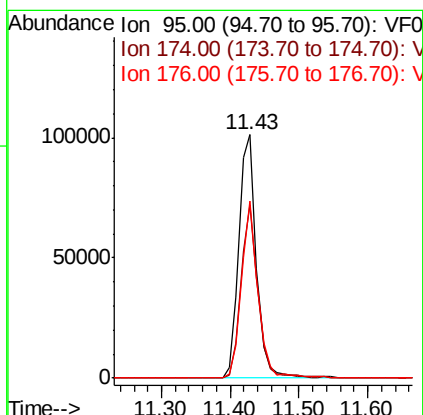
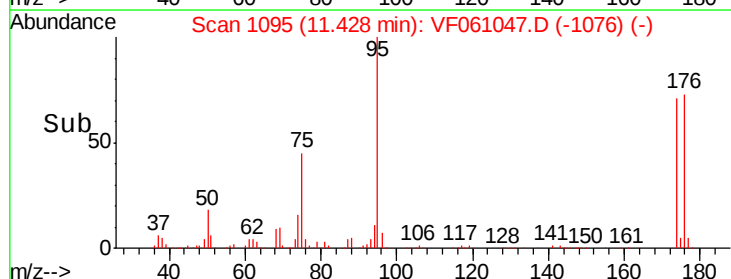
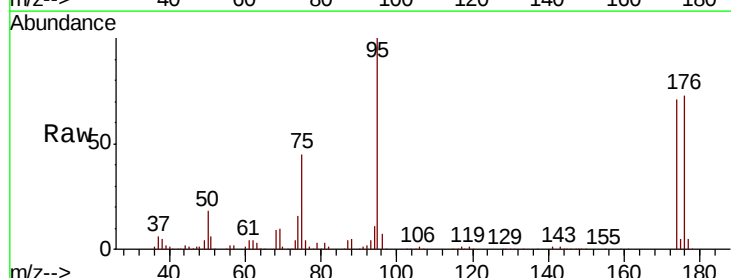
Instrument :
MSVOA_F
ClientSampled :

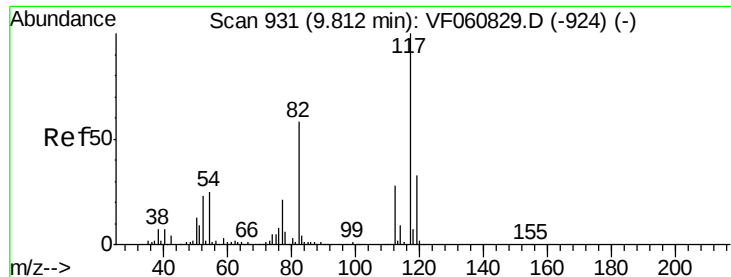
Tot Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 55.3 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 47.449 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

Tgt Ion: 95 Resp: 180676
Ion Ratio Lower Upper
95 100
174 71.3 0.0 138.2
176 72.8 0.0 146.2

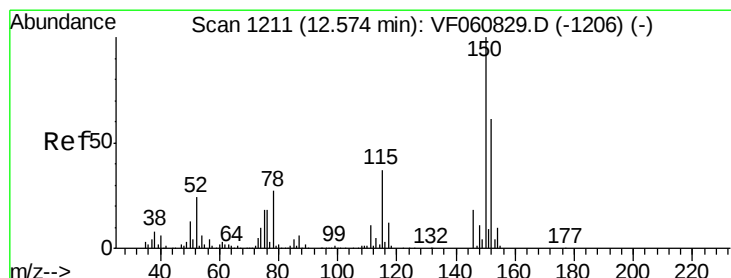
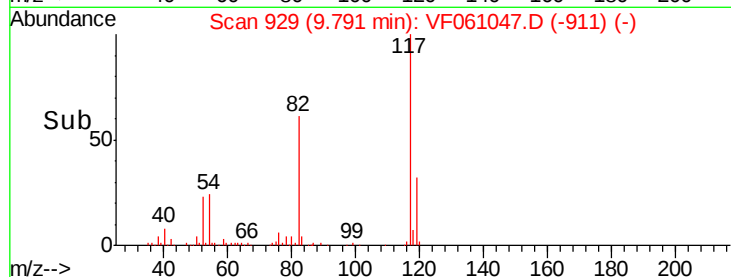
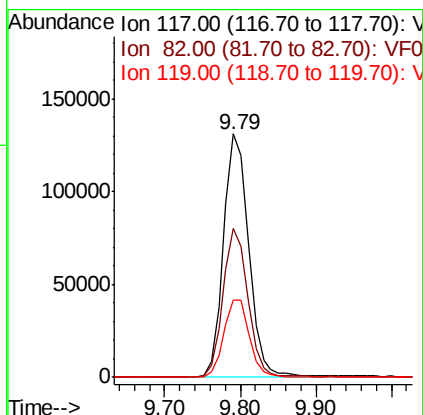
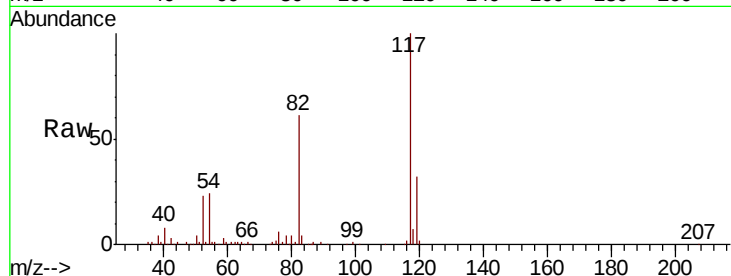




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

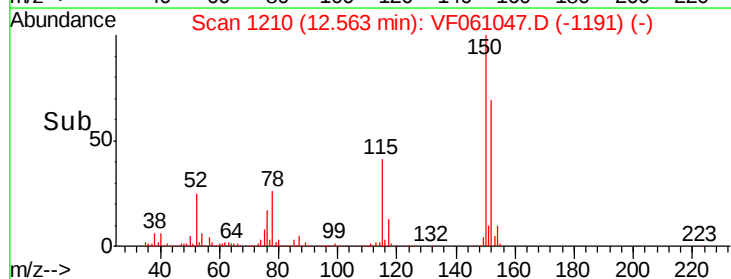
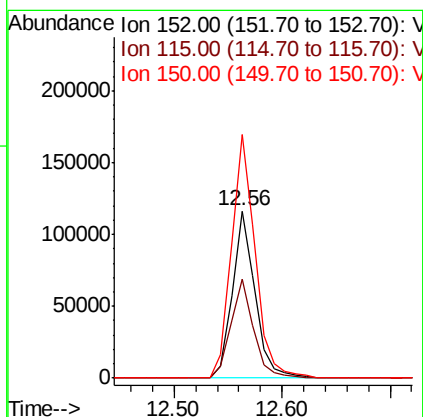
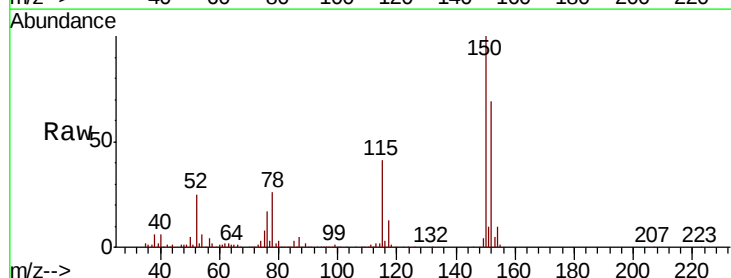
Instrument :
MSVOA_F
ClientSampleId :

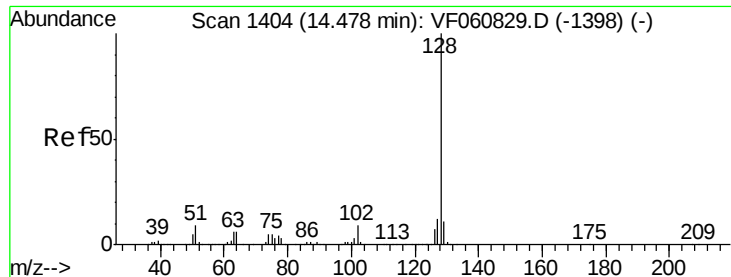
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.6	69.8
119	31.7	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.1	90.5
150	145.5	0.0	327.6

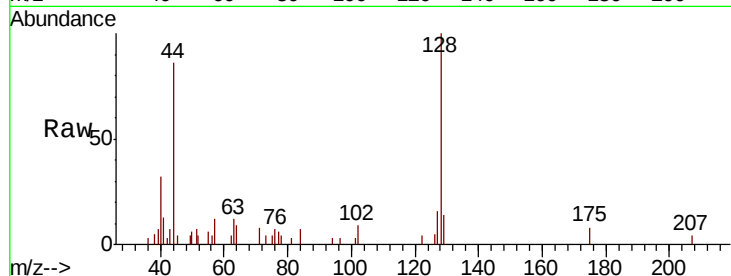




#95
Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061047.D
Acq: 17 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	9.9	14.9#
129	13.7	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

