

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061048.D
 Acq On : 17 Dec 2018 18:53
 Operator : VA/AP
 Sample : J6353-07RE
 Misc : 6.25µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:09:36 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	205606	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	352949	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	300478	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	135063	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	118341	48.86	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.72%	
35) Dibromofluoromethane	4.14	113	142826	51.01	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.02%	
50) Toluene-d8	7.57	98	347863	42.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	84.36%	
62) 4-Bromofluorobenzene	11.42	95	154990	41.35	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.70%	

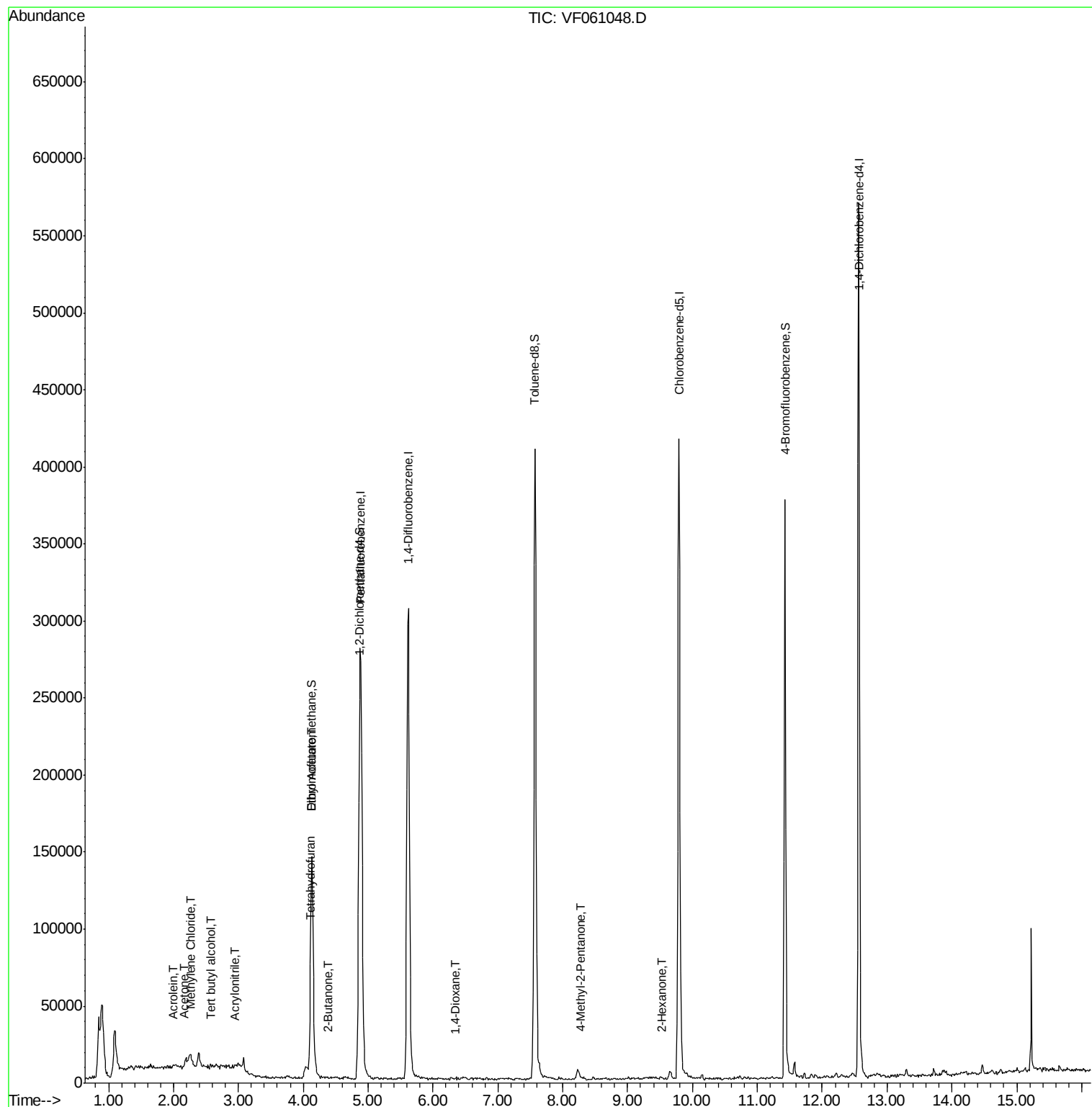
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	626	6.305	ug/l #	1
13) Acrolein	2.01	56	101	1.074	ug/l #	1
15) Acrylonitrile	2.95	53	641	2.880	ug/l #	18
16) Acetone	2.16	43	1104	2.472	ug/l	96
18) Methyl Acetate	2.32	43	654	Below Cal	#	61
20) Methylene Chloride	2.27	84	4545	2.774	ug/l #	90
25) 2-Butanone	4.38	43	1510	1.955	ug/l #	57
29) Tetrahydrofuran	4.10	42	408	1.246	ug/l #	92
37) Ethyl Acetate	4.13	43	1762	1.108	ug/l #	14
41) Methacrylonitrile	4.78	41	177	Below Cal	#	45
43) Isopropyl Acetate	7.00	43	795	Below Cal	#	49
49) 1,4-Dioxane	6.34	88	60	5.693	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	1698	1.157	ug/l #	79
59) 2-Hexanone	9.53	43	1356	1.318	ug/l	85
95) Naphthalene	14.47	128	2664	Below Cal		95

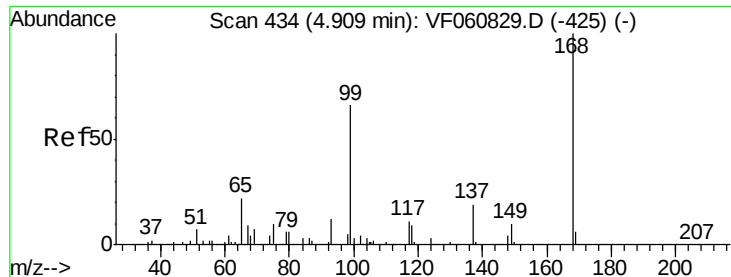
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061048.D
Acq On : 17 Dec 2018 18:53
Operator : VA/AP
Sample : J6353-07RE
Misc : 6.25g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:36 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: VF061048.D

Acq: 17 Dec 2018 18:53

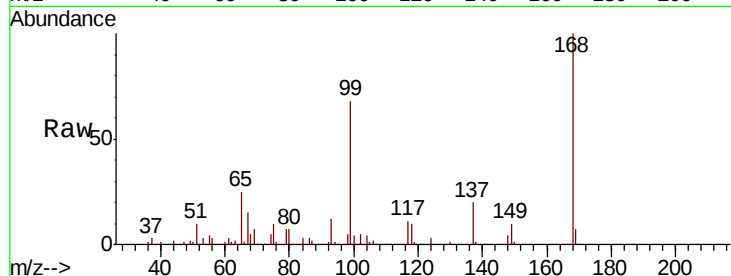
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 205606

Ion Ratio Lower Upper

168 100

99 67.9 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

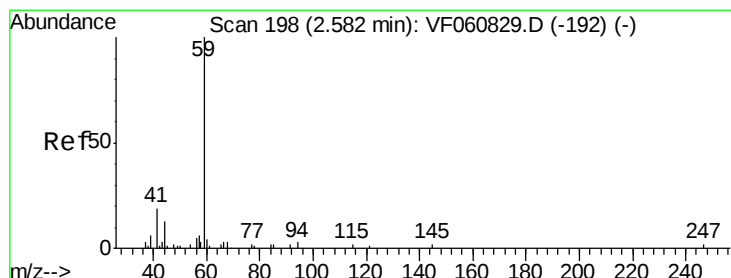
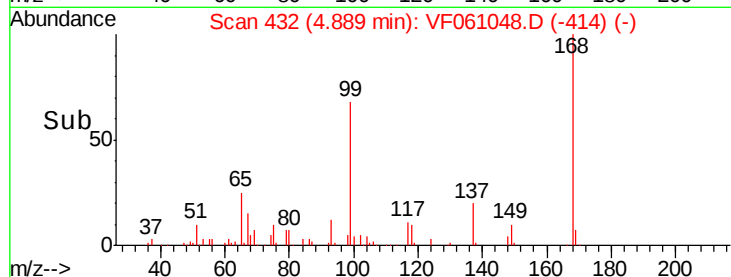
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 6.305 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061048.D

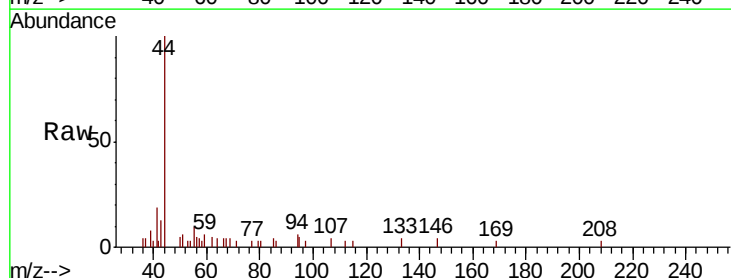
Acq: 17 Dec 2018 18:53

Tgt Ion: 59 Resp: 626

Ion Ratio Lower Upper

59 100

57 69.2 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

300

250

200

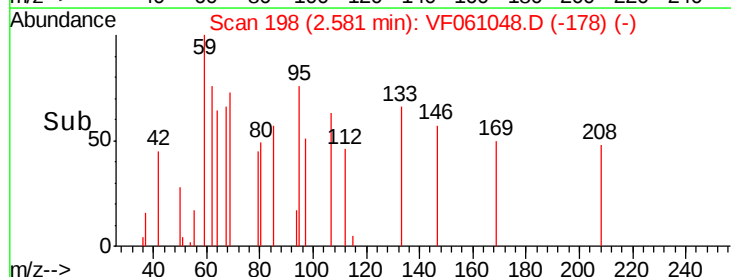
150

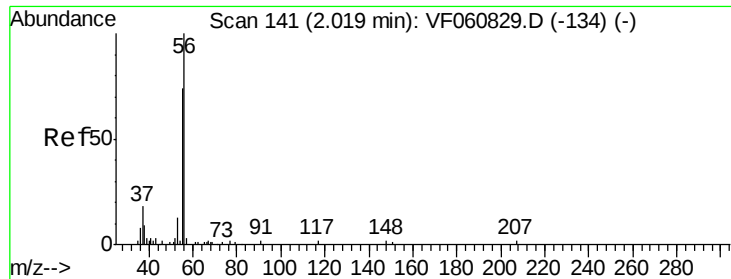
100

50

0

Time--> 2.50 2.55 2.60 2.65





#13

Acrolein

Concen: 1.074 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :

MSVOA_F

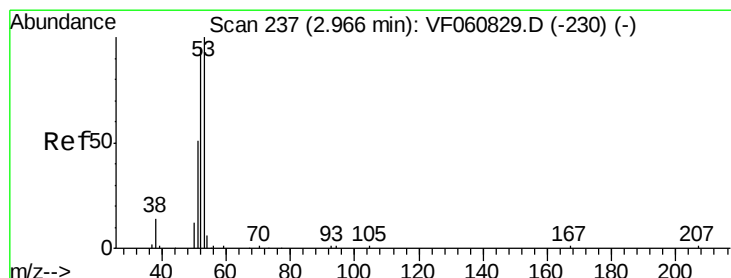
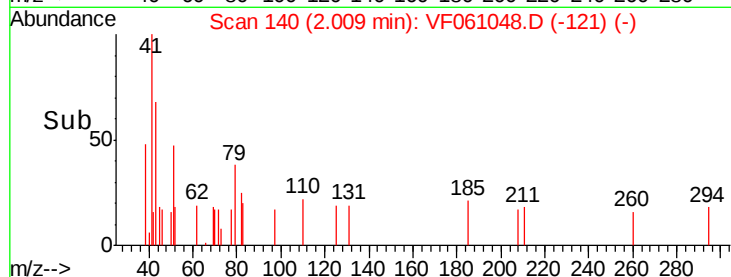
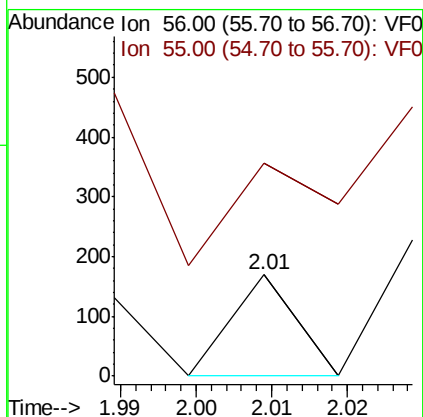
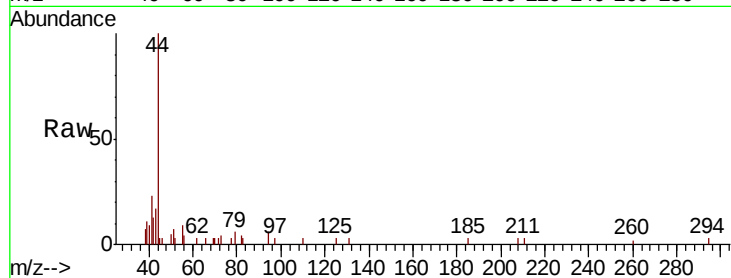
ClientSampled :

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 210.0 61.2 91.8#



#15

Acrylonitrile

Concen: 2.880 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

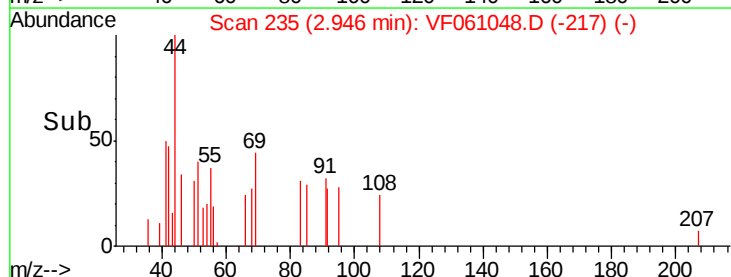
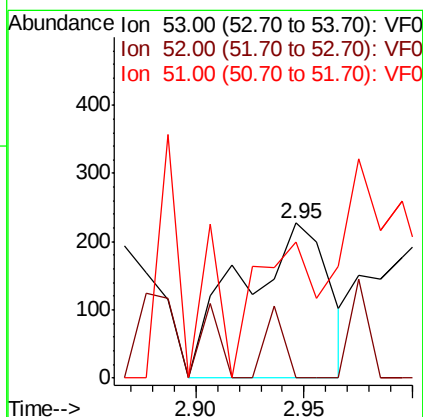
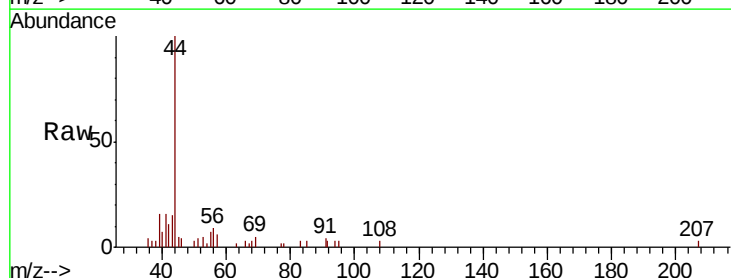
Tgt Ion: 53 Resp: 641

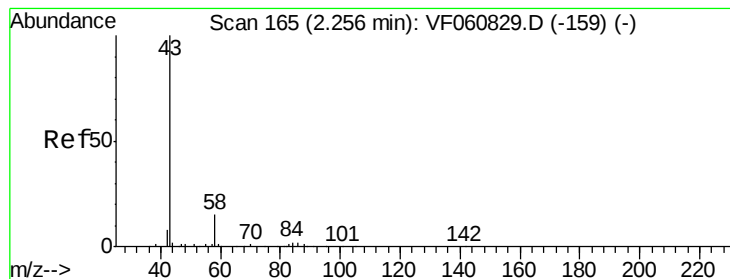
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 87.7 40.7 61.1#





#16

Acetone

Concen: 2.472 ug/l

RT: 2.16 min Scan# 155

Delta R.T. -0.10 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

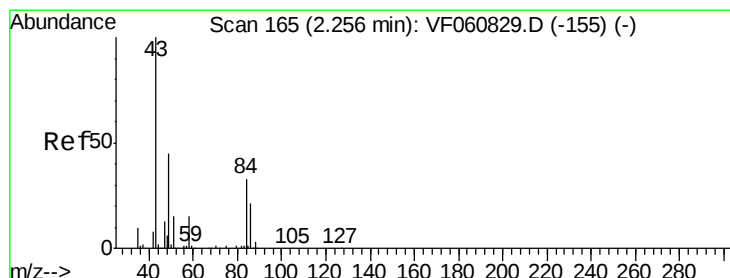
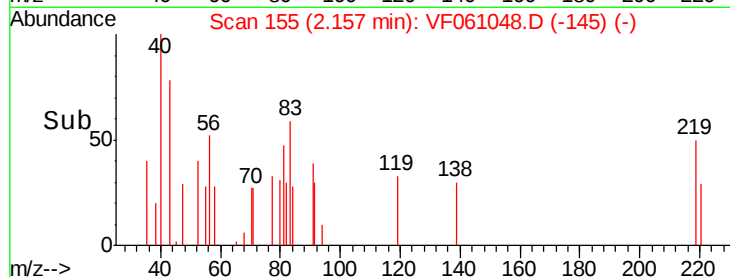
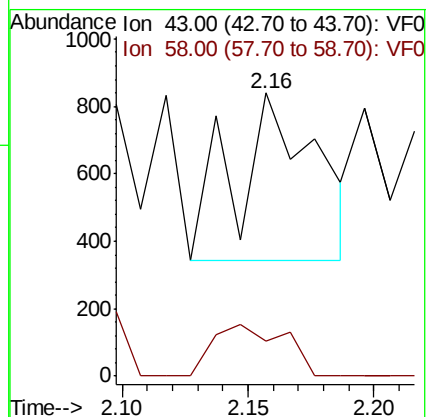
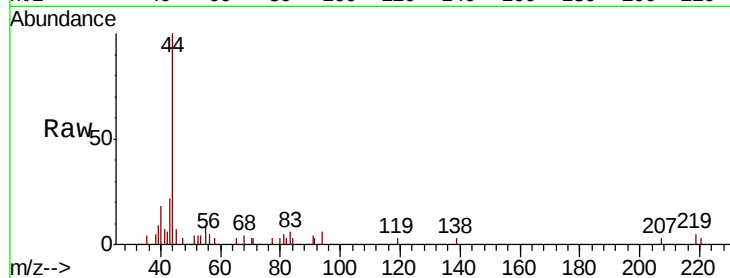
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1104

Ion Ratio Lower Upper

43 100

58 12.6 11.4 17.2



#20

Methylene Chloride

Concen: 2.774 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Tgt Ion: 84 Resp: 4545

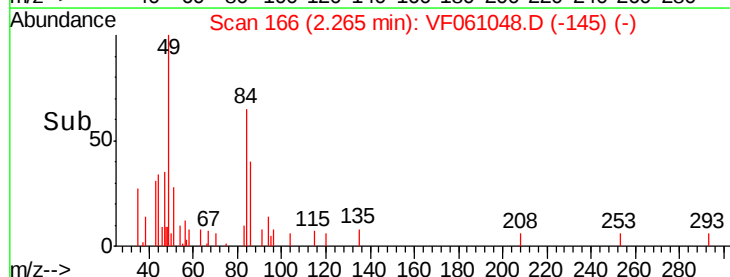
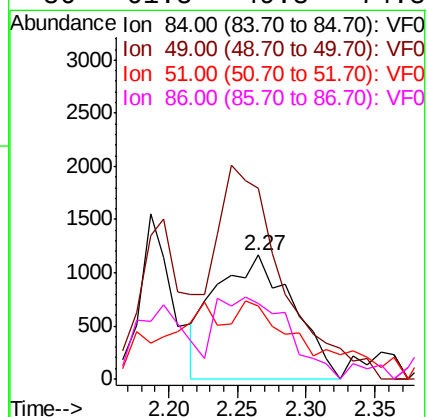
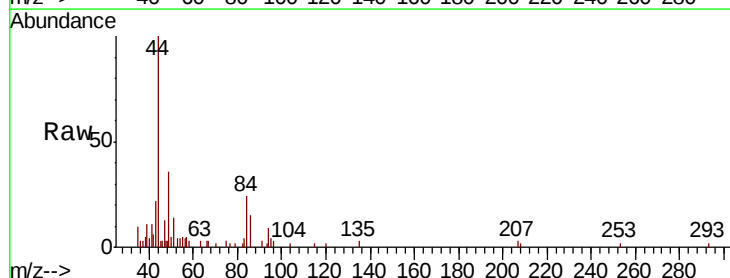
Ion Ratio Lower Upper

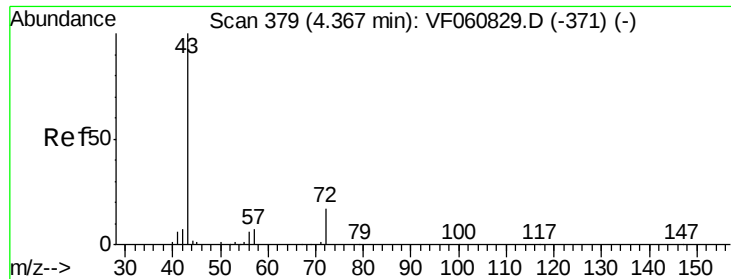
84 100

49 154.2 111.3 166.9

51 58.6 38.0 57.0#

86 61.5 49.8 74.8

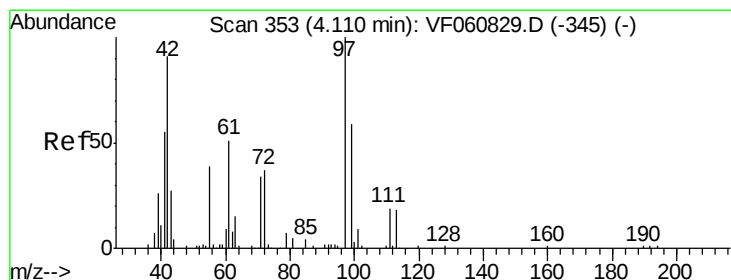
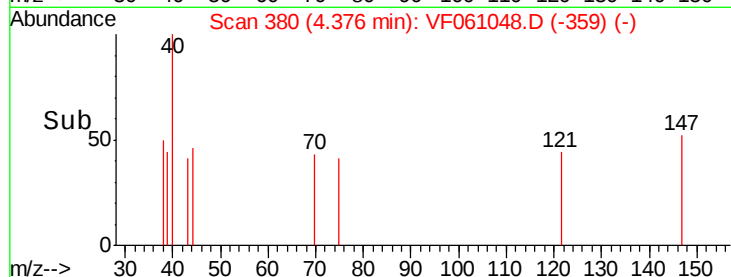
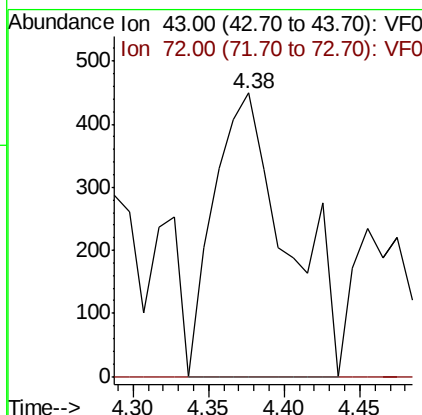
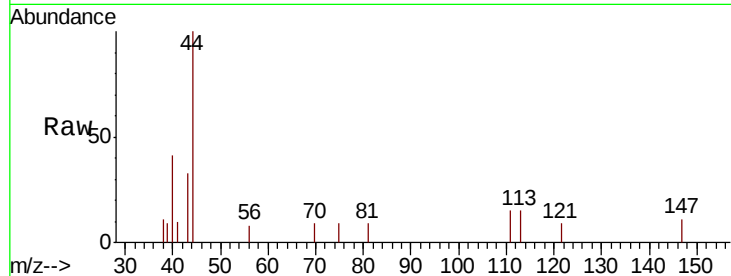




#25
2-Butanone
Concen: 1.955 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

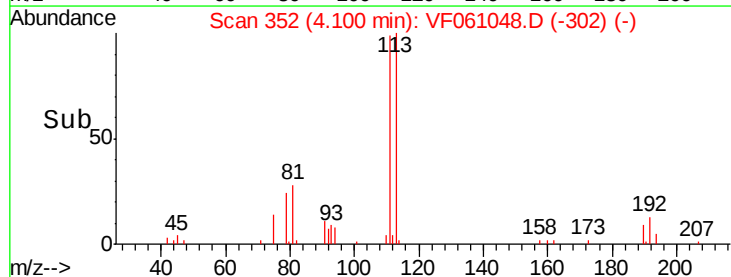
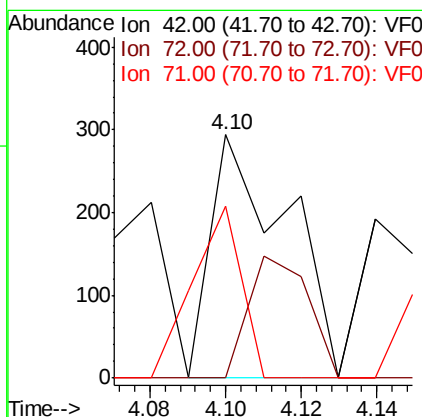
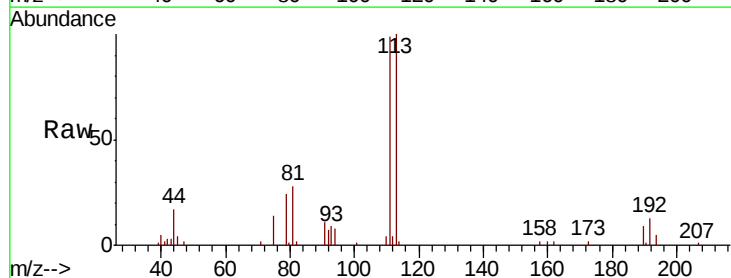
Instrument :
MSVOA_F
ClientSampled :

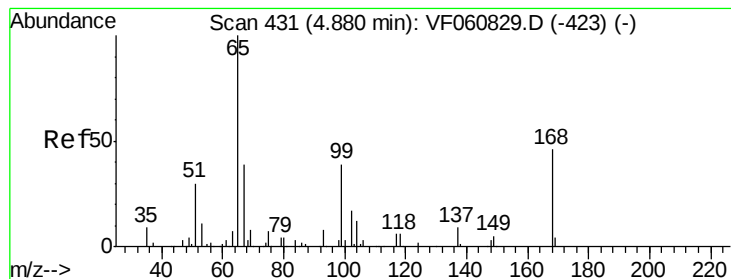
Tot Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 1.246 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

Tgt Ion: 42 Resp: 408
Ion Ratio Lower Upper
42 100
72 39.2 31.9 47.9
71 45.3 28.7 43.1#





#33

1,2-Dichloroethane-d4

Concen: 48.859 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :

MSVOA_F

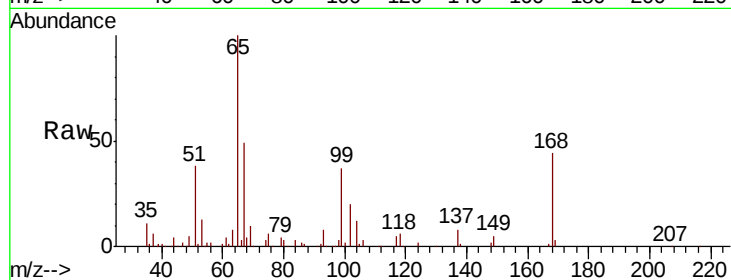
ClientSampled :

Tot Ion: 65 Resp: 118341

Ion Ratio Lower Upper

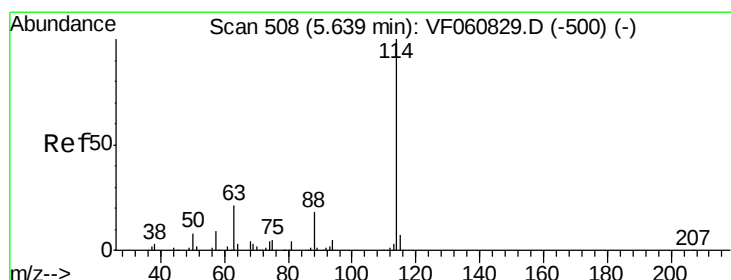
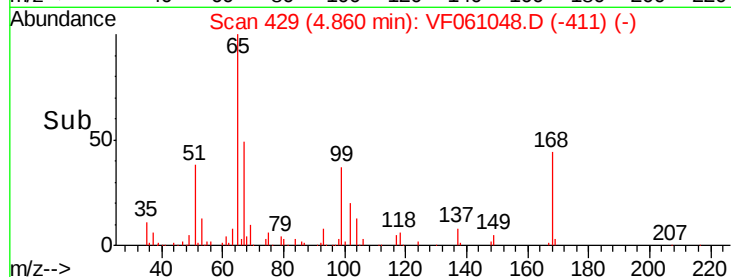
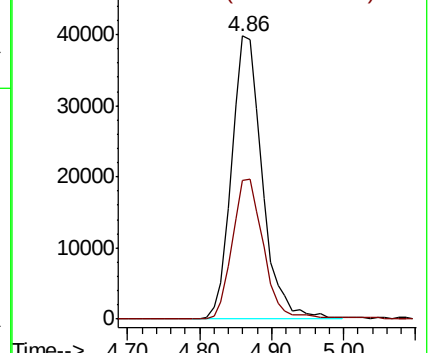
65 100

67 49.2 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

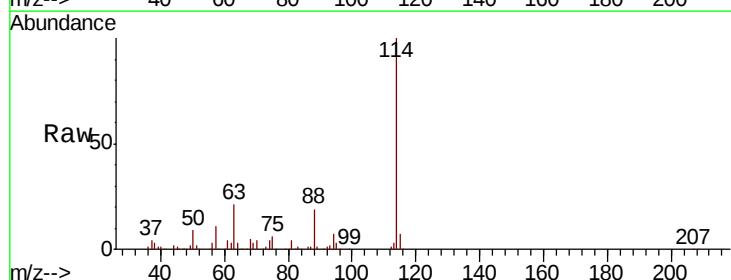
Tgt Ion: 114 Resp: 352949

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

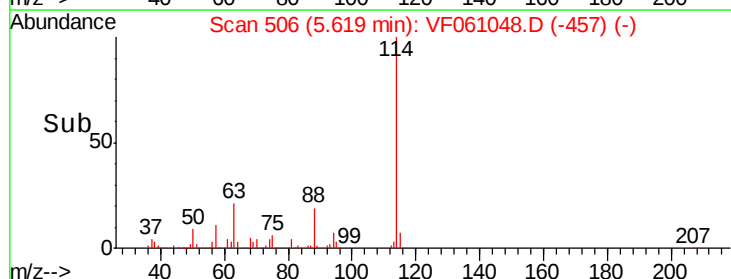
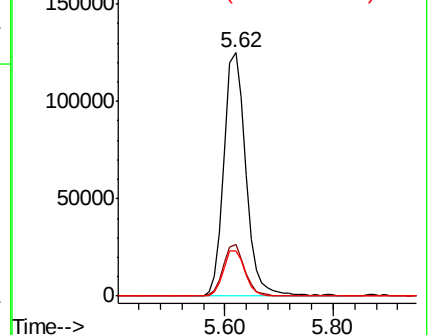
88 18.6 0.0 36.6

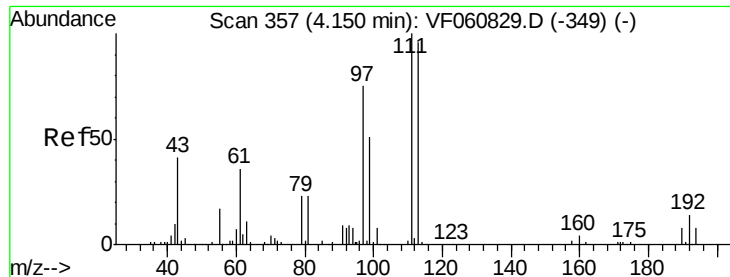


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

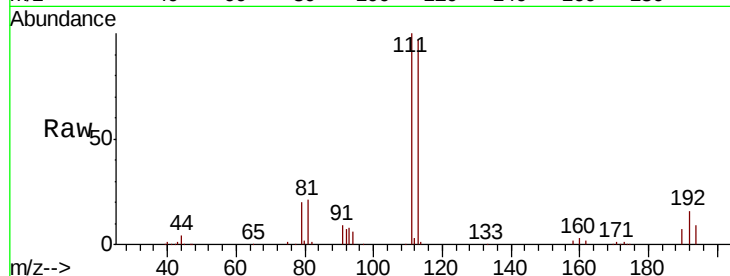




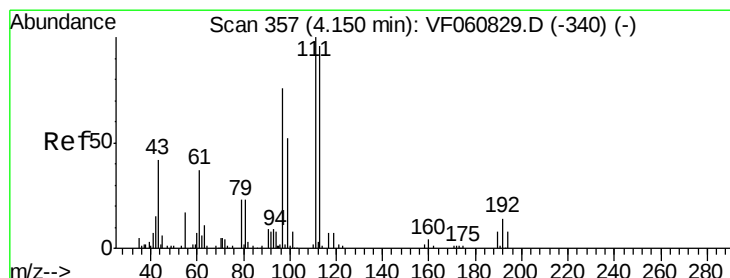
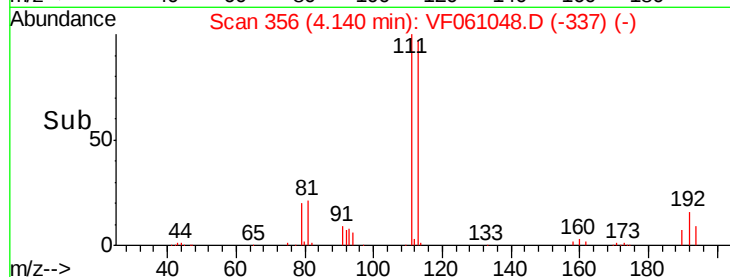
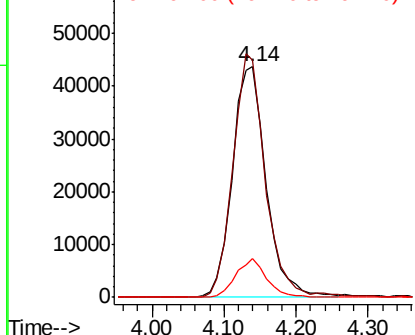
#35
Dibromofluoromethane
Concen: 51.009 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 142826
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 16.6 12.3 18.5

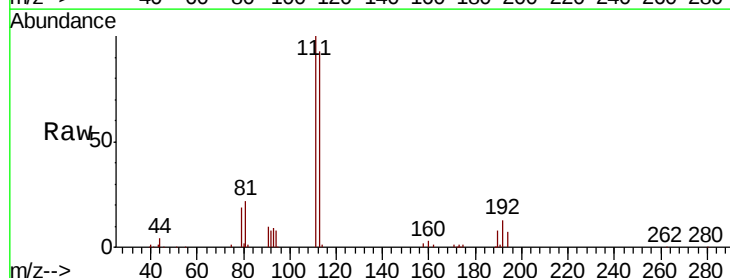


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

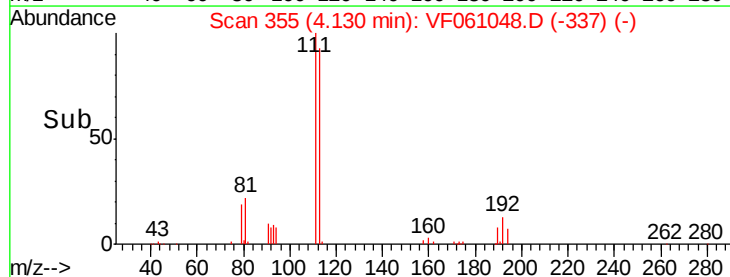
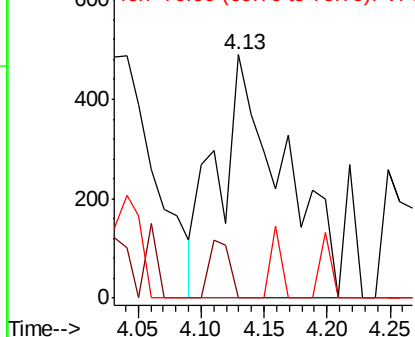


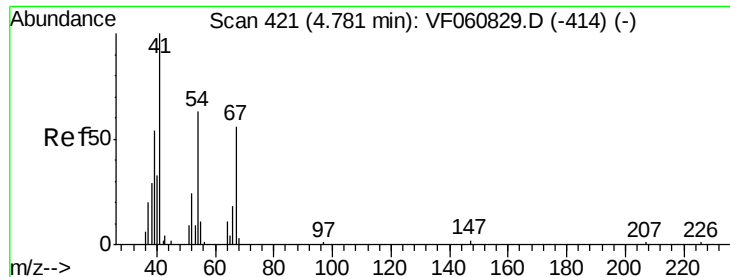
#37
Ethyl Acetate
Concen: 1.108 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
61 0.0 68.6 103.0#
70 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

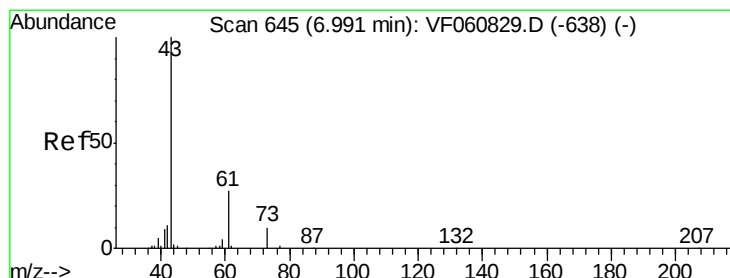
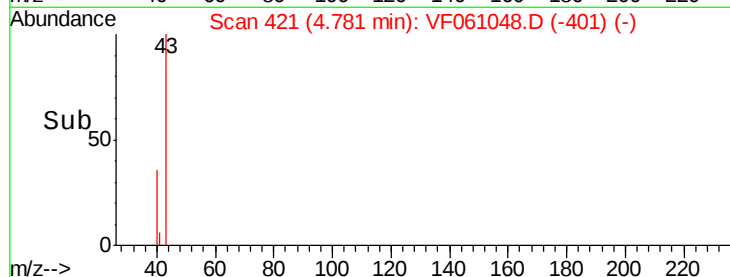
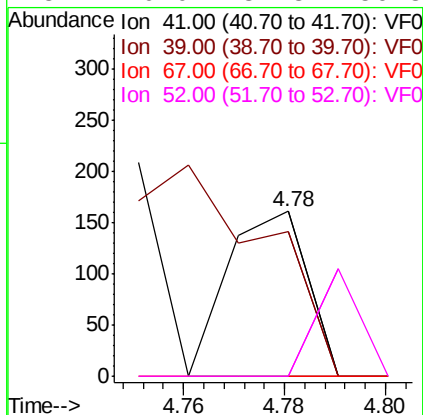
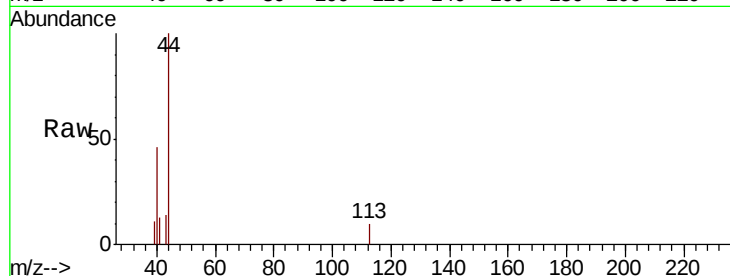




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

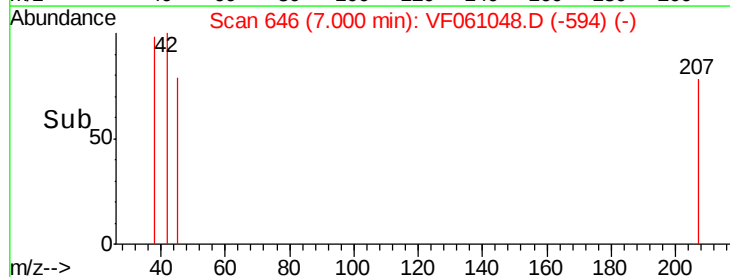
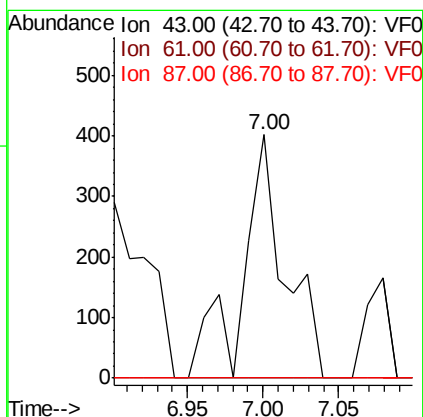
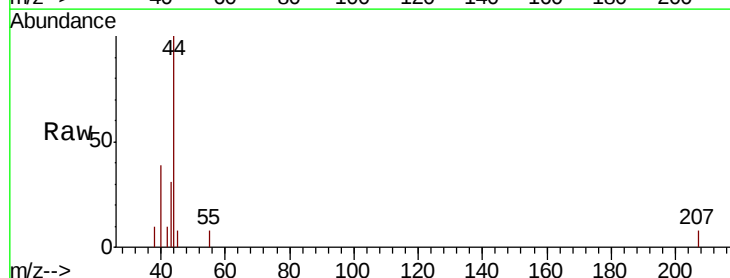
Instrument :
MSVOA_F
ClientSampled :

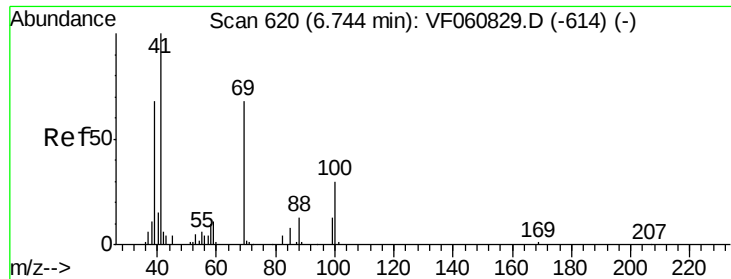
Tot Ion:	41	Resp:	177
Ion	Ratio	Lower	Upper
41	100		
39	88.2	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 7.00 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF061048.D
Acq: 17 Dec 2018 18:53

Tgt Ion:	43	Resp:	795
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#





#49

1,4-Dioxane

Concen: 5.693 ug/l

RT: 6.34 min Scan# 579

Delta R.T. -0.40 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :
MSVOA_F
ClientSampleId :

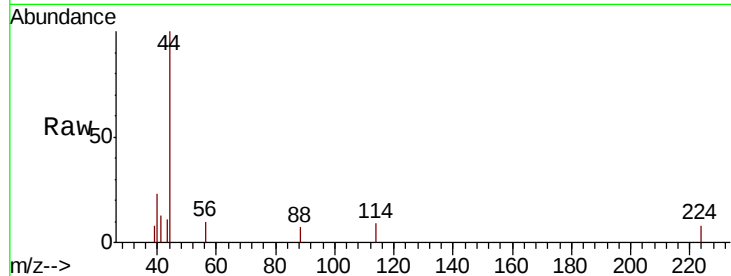
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

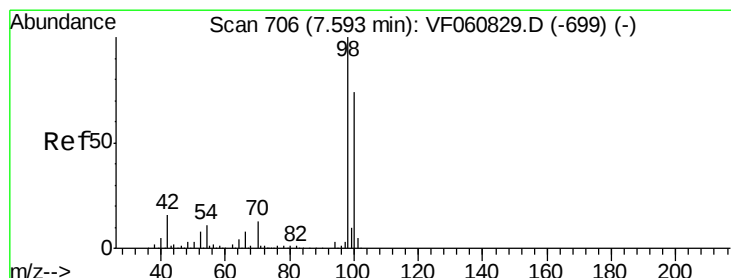
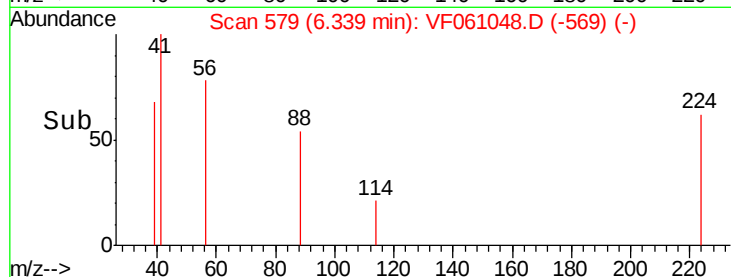
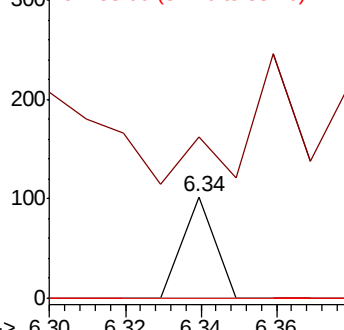
88 100

43 158.8 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: 42.175 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF061048.D

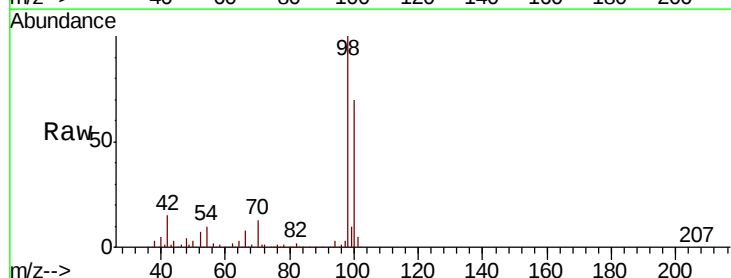
Acq: 17 Dec 2018 18:53

Tgt Ion: 98 Resp: 347863

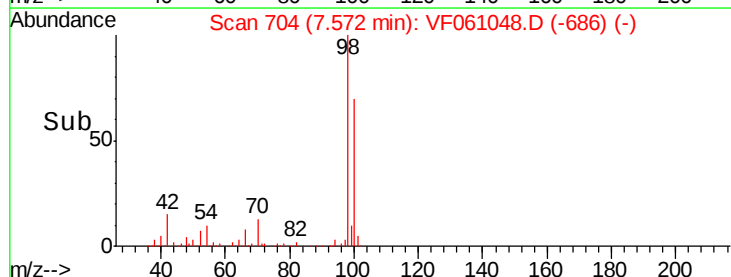
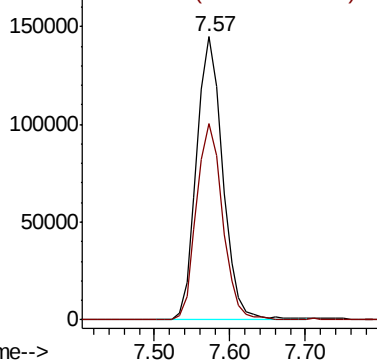
Ion Ratio Lower Upper

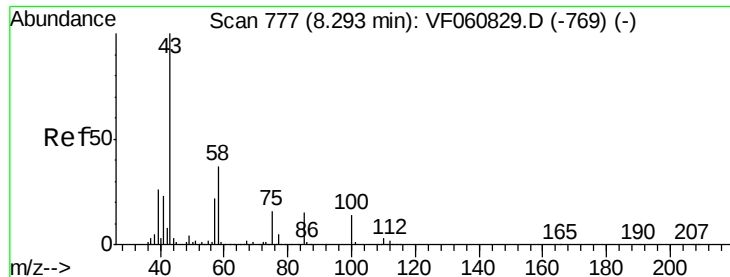
98 100

100 69.5 59.3 88.9



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





#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :

MSVOA_F

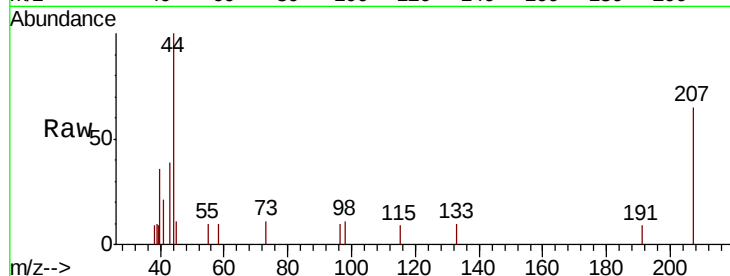
ClientSampleId :

Tot Ion: 43 Resp: 1698

Ion Ratio Lower Upper

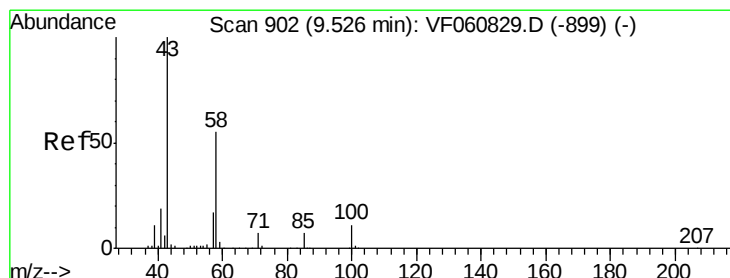
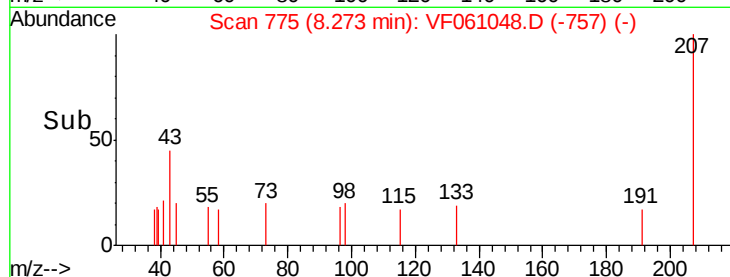
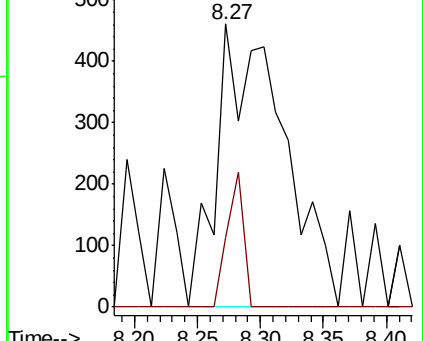
43 100

58 24.7 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.318 ug/l

RT: 9.53 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF061048.D

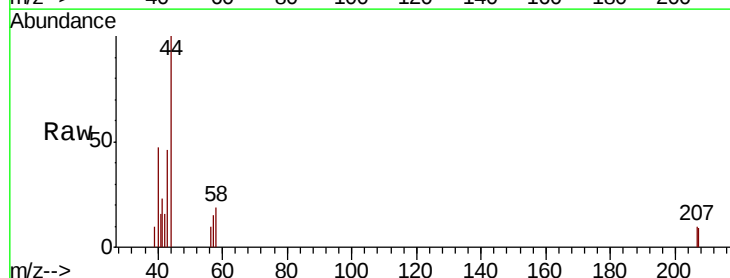
Acq: 17 Dec 2018 18:53

Tgt Ion: 43 Resp: 1356

Ion Ratio Lower Upper

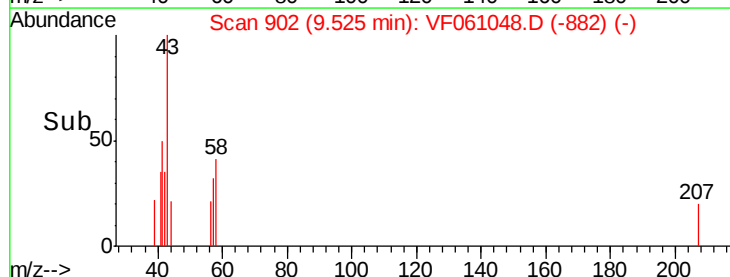
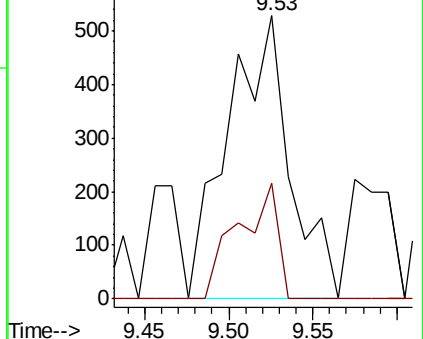
43 100

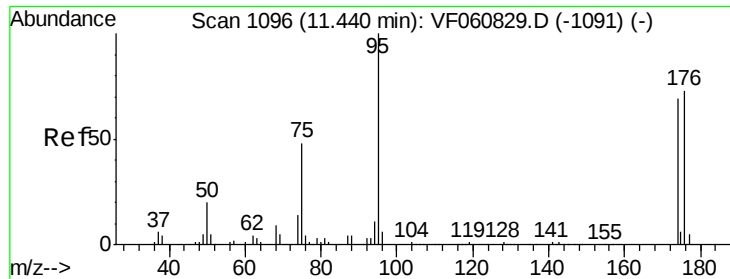
58 40.9 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 41.346 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

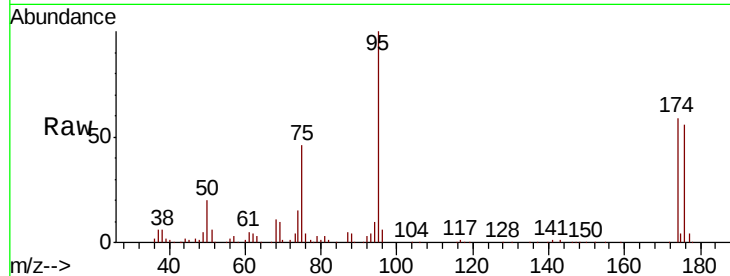
Tot Ion: 95 Resp: 154990

Ion Ratio Lower Upper

95 100

174 59.5 0.0 138.2

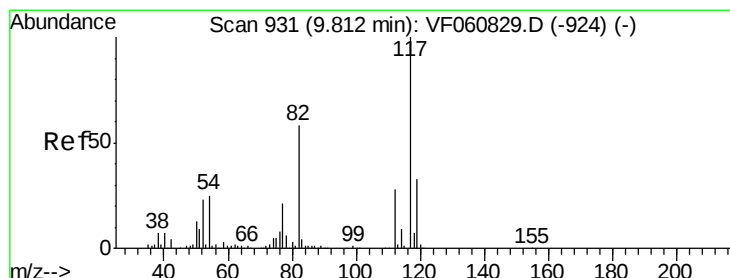
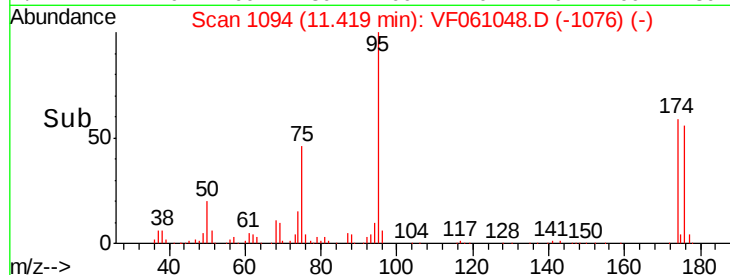
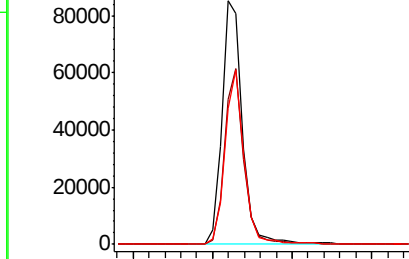
176 55.9 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF060829.D (-1091) (-)

Ion 174.00 (173.70 to 174.70): VF060829.D (-1091) (-)

Ion 176.00 (175.70 to 176.70): VF060829.D (-1091) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

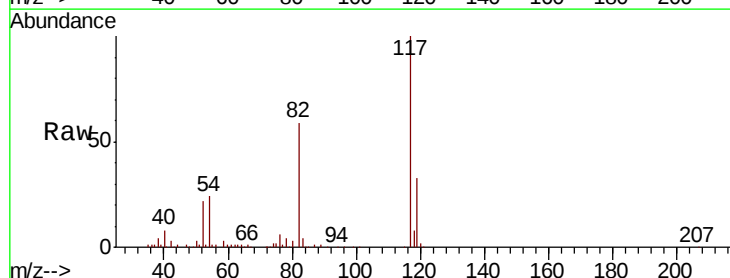
Tgt Ion: 117 Resp: 300478

Ion Ratio Lower Upper

117 100

82 58.7 46.6 69.8

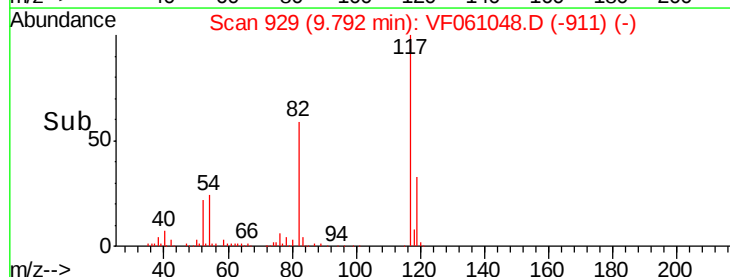
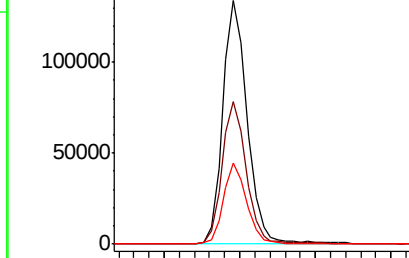
119 33.1 26.4 39.6

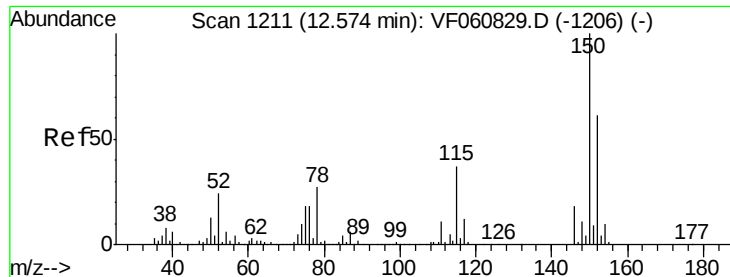


Abundance Ion 117.00 (116.70 to 117.70): VF060829.D (-924) (-)

Ion 82.00 (81.70 to 82.70): VF060829.D (-924) (-)

Ion 119.00 (118.70 to 119.70): VF060829.D (-924) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

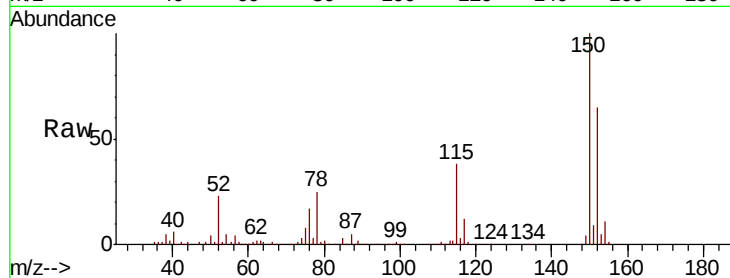
Tot Ion:152 Resp: 135063

Ion Ratio Lower Upper

152 100

115 58.9 30.1 90.5

150 154.9 0.0 327.6

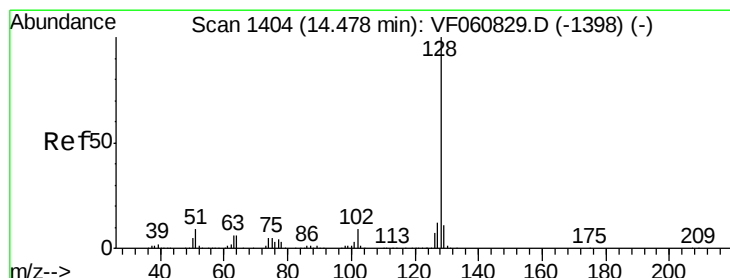
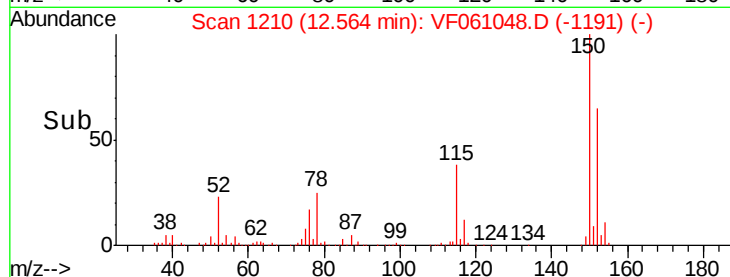
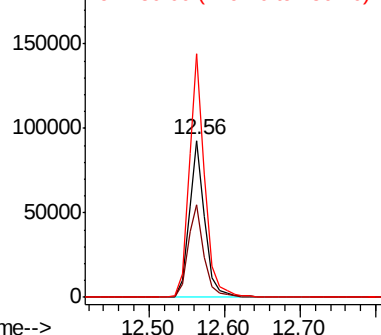


Abundance

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: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF061048.D

Acq: 17 Dec 2018 18:53

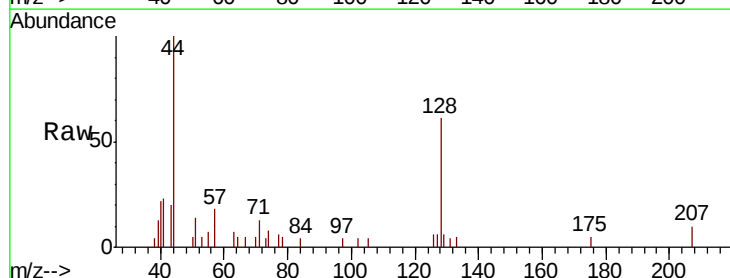
Tgt Ion:128 Resp: 2664

Ion Ratio Lower Upper

128 100

127 10.1 9.9 14.9

129 9.7 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

