

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121018\
 Data File : VF060961.D
 Acq On : 10 Dec 2018 18:49
 Operator : VA/AP
 Sample : J6302-01RE
 Misc : 3.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 11 04:58:17 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	4.86	168	267533	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	469532	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	403214	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	218360	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	146185	46.38	ug/l	-0.04
Spiked Amount			Recovery	=	92.76%	
35) Dibromofluoromethane	4.10	113	157578	42.30	ug/l	-0.05
Spiked Amount			Recovery	=	84.60%	
50) Toluene-d8	7.55	98	378544	34.50	ug/l	-0.04
Spiked Amount			Recovery	=	69.00%	
62) 4-Bromofluorobenzene	11.41	95	185277	37.15	ug/l	-0.03
Spiked Amount			Recovery	=	74.30%	

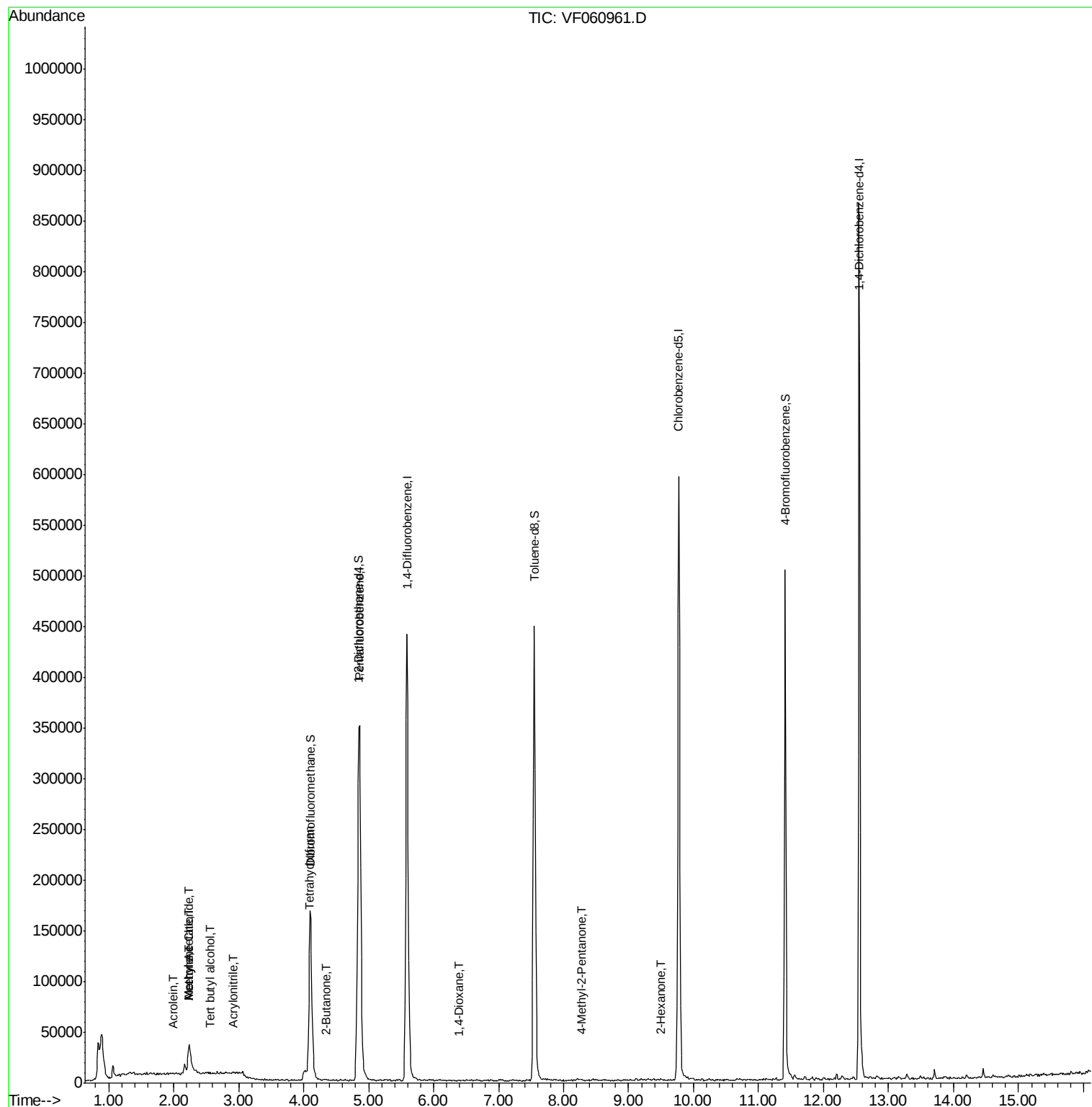
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	311	2.407	ug/l #	1
13) Acrolein	2.00	56	274	2.238	ug/l #	34
15) Acrylonitrile	2.92	53	398	1.374	ug/l #	11
16) Acetone	2.24	43	29515	50.785	ug/l	96
18) Methyl Acetate	2.24	43	29515	29.597	ug/l #	61
20) Methylene Chloride	2.25	84	11710	5.492	ug/l	93
25) 2-Butanone	4.36	43	1905	1.895	ug/l #	57
29) Tetrahydrofuran	4.08	42	865	2.030	ug/l #	50
41) Methacrylonitrile	4.73	41	658	Below Cal	#	63
43) Isopropyl Acetate	6.89	43	725	Below Cal	#	49
49) 1,4-Dioxane	6.40	88	60	4.280	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	2044	1.047	ug/l #	68
59) 2-Hexanone	9.51	43	1922	1.404	ug/l	64
95) Naphthalene	14.46	128	3500	Below Cal		97

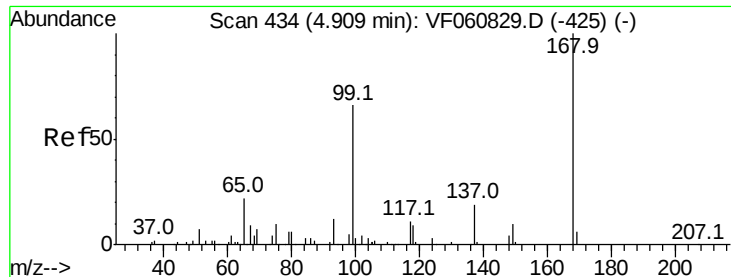
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121018\
Data File : VF060961.D
Acq On : 10 Dec 2018 18:49
Operator : VA/AP
Sample : J6302-01RE
Misc : 3.68g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 11 04:58:17 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: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

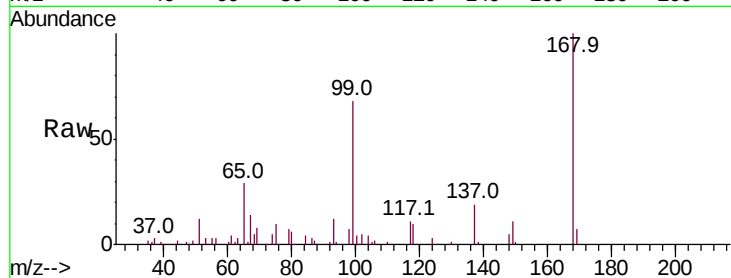
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 267533

Ion Ratio Lower Upper

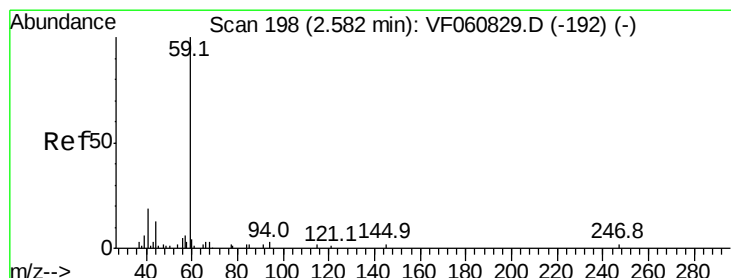
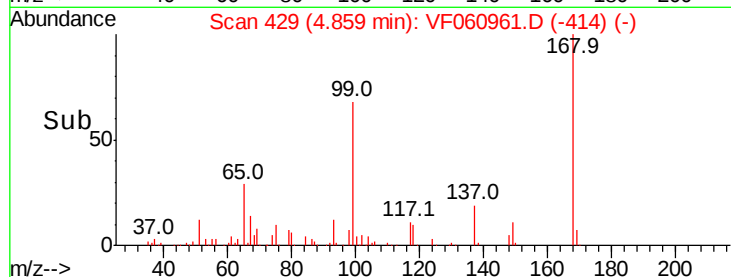
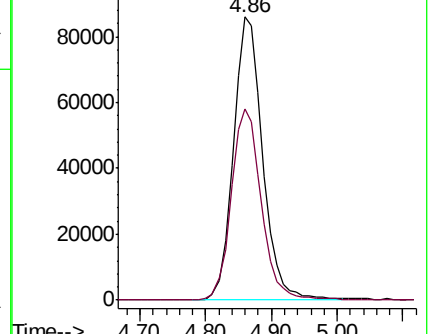
168 100

99 67.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.407 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060961.D

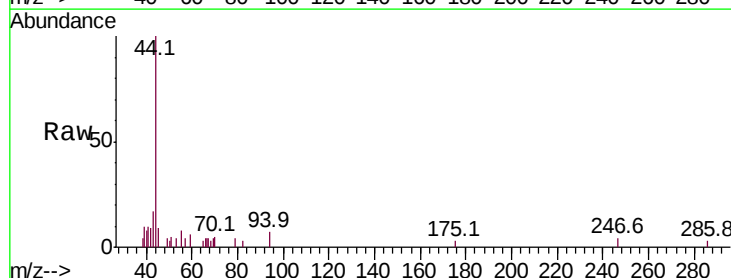
Acq: 10 Dec 2018 18:49

Tgt Ion: 59 Resp: 311

Ion Ratio Lower Upper

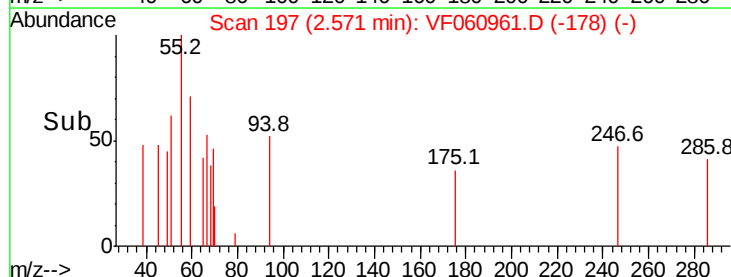
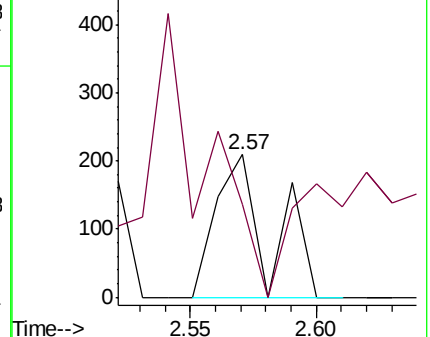
59 100

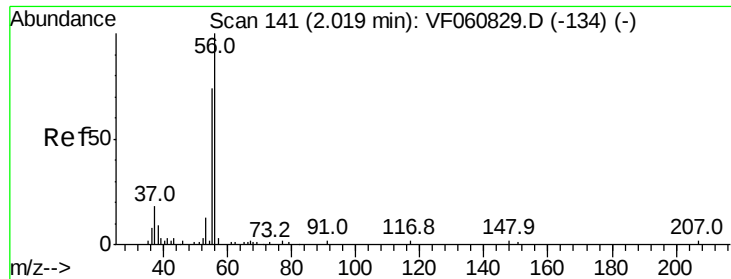
57 65.6 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

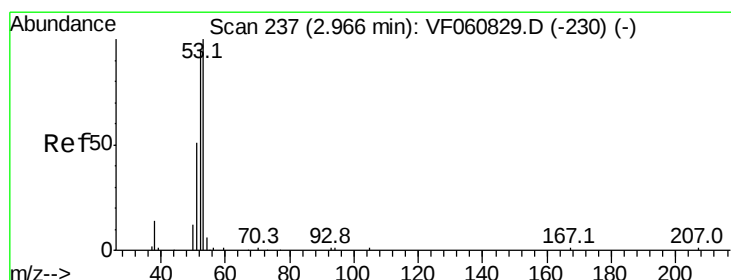
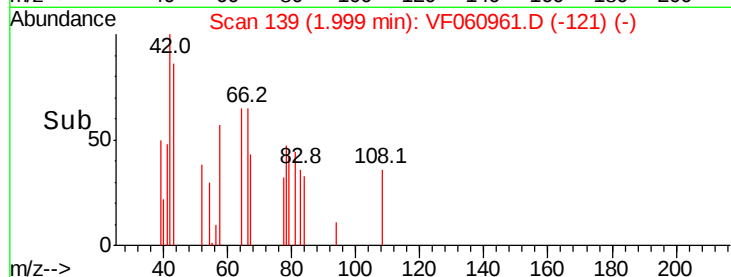
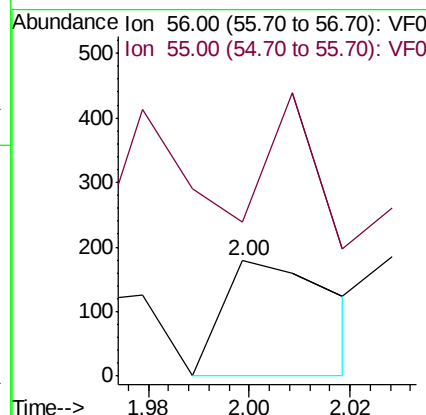
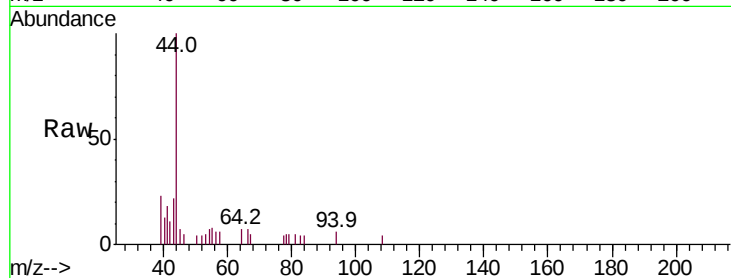




#13
Acrolein
Concen: 2.238 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

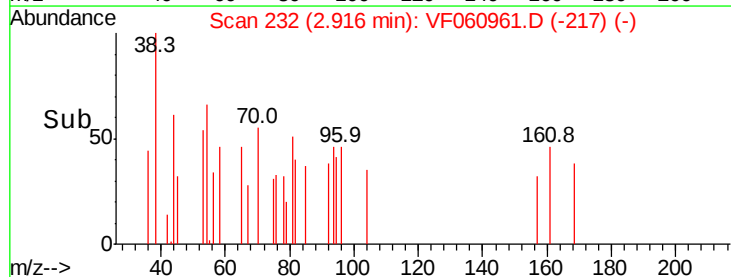
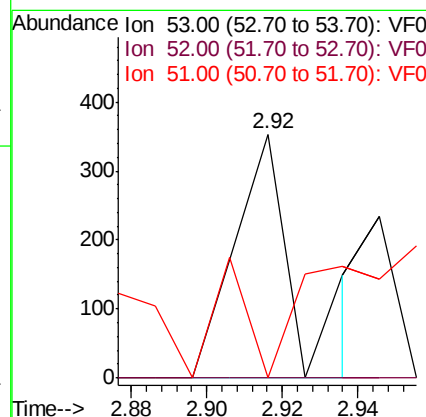
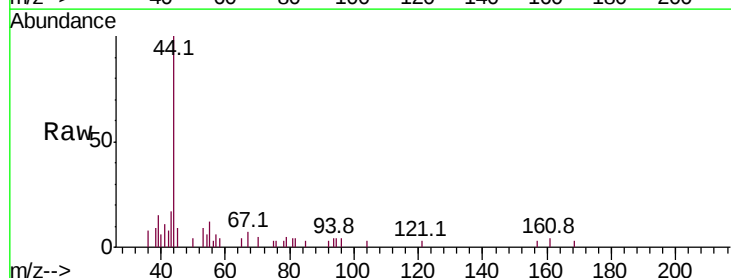
Instrument :
MSVOA_F
ClientSampleId :

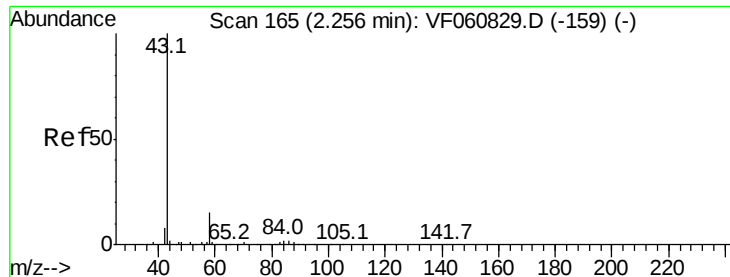
Tot Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 133.5 61.2 91.8#



#15
Acrylonitrile
Concen: 1.374 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.05 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Tgt Ion: 53 Resp: 398
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 0.0 40.7 61.1#





#16

Acetone

Concen: 50.785 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

Instrument :

MSVOA_F

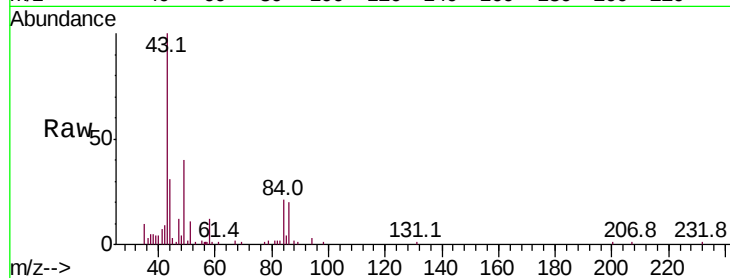
ClientSampleId :

Tot Ion: 43 Resp: 29515

Ion Ratio Lower Upper

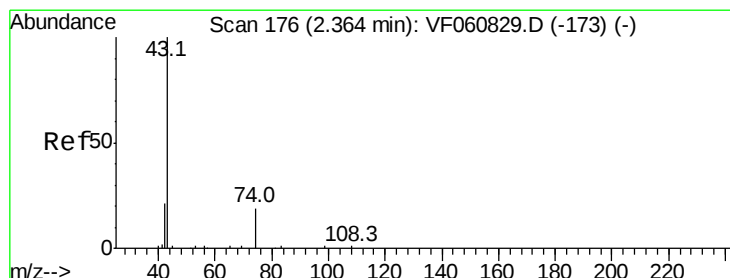
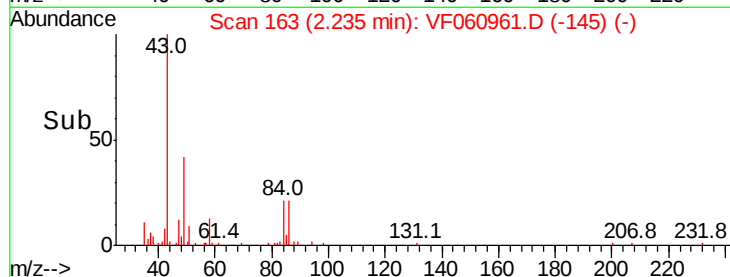
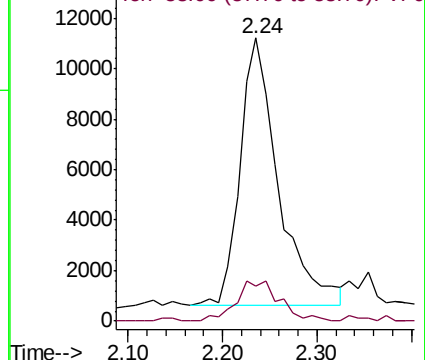
43 100

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



#18

Methyl Acetate

Concen: 29.597 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.13 min

Lab File: VF060961.D

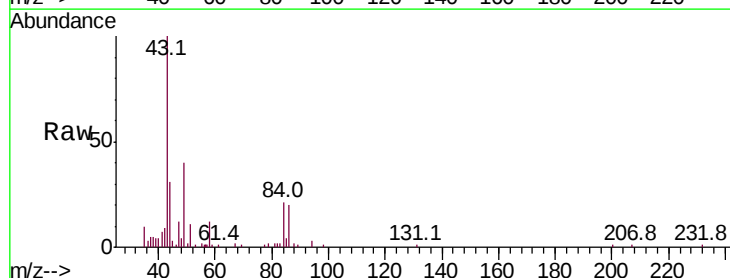
Acq: 10 Dec 2018 18:49

Tgt Ion: 43 Resp: 29515

Ion Ratio Lower Upper

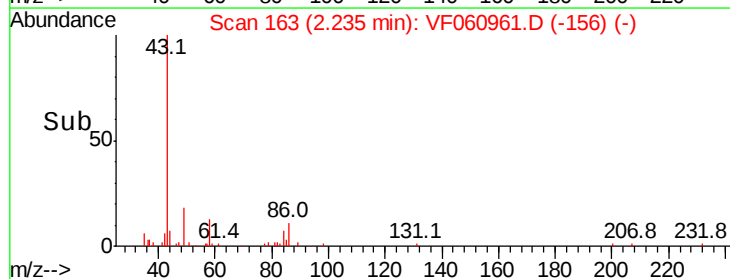
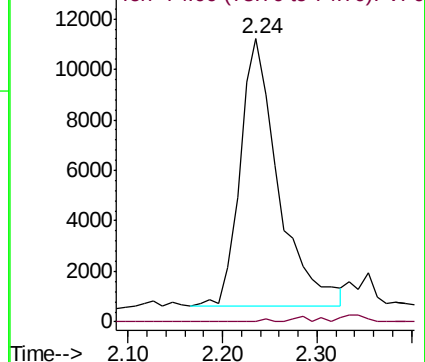
43 100

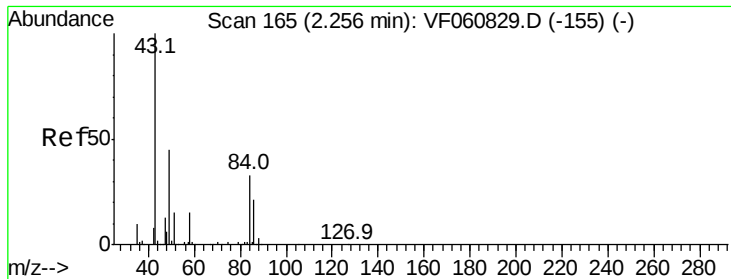
74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

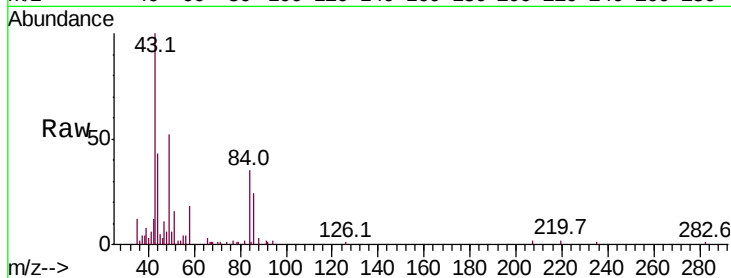




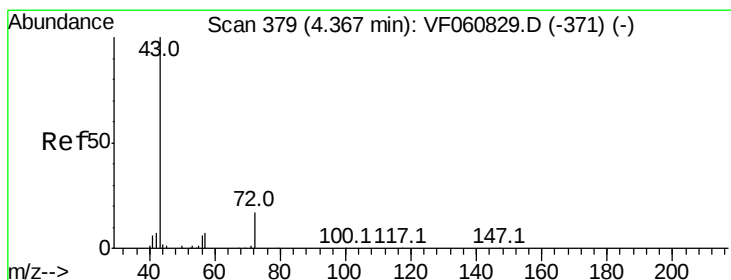
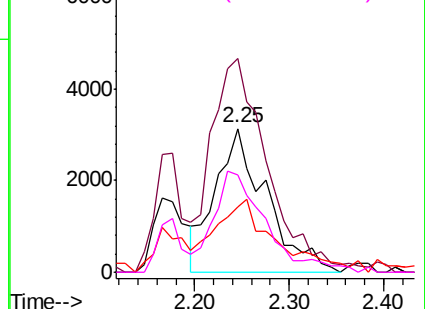
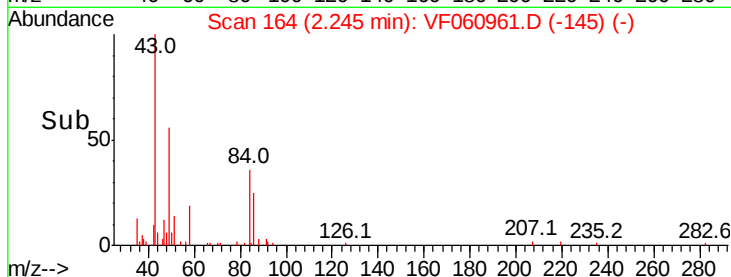
#20
Methvlene Chloride
Concen: 5.492 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 11710
Ion Ratio Lower Upper
84 100
49 148.8 111.3 166.9
51 45.1 38.0 57.0
86 67.9 49.8 74.8

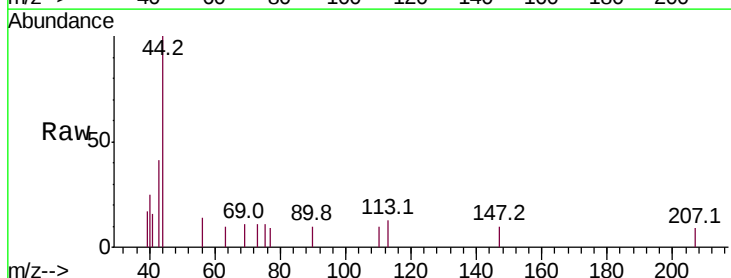


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

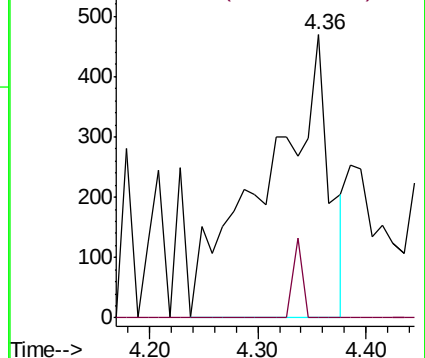
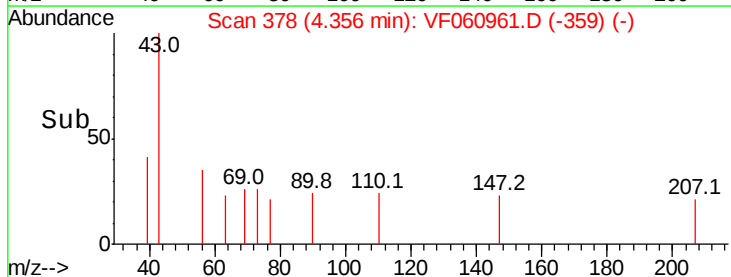


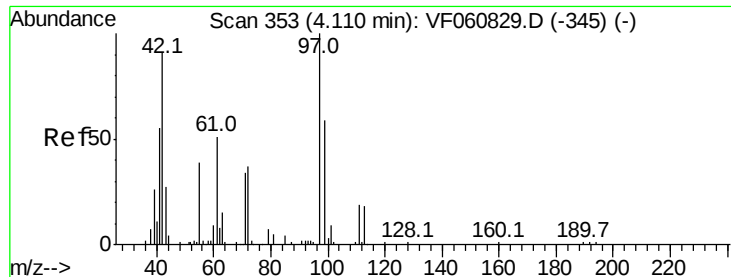
#25
2-Butanone
Concen: 1.895 ug/l
RT: 4.36 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.030 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

Instrument :
MSVOA_F
ClientSampled :

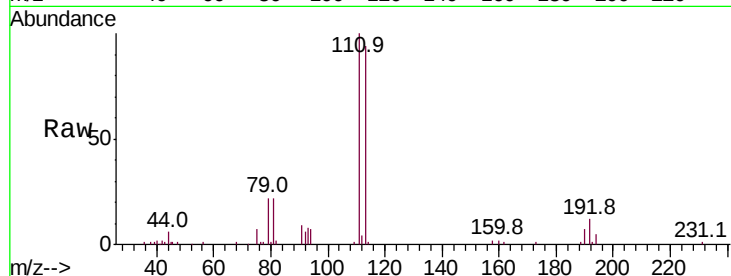
Tot Ion: 42 Resp: 865

Ion Ratio Lower Upper

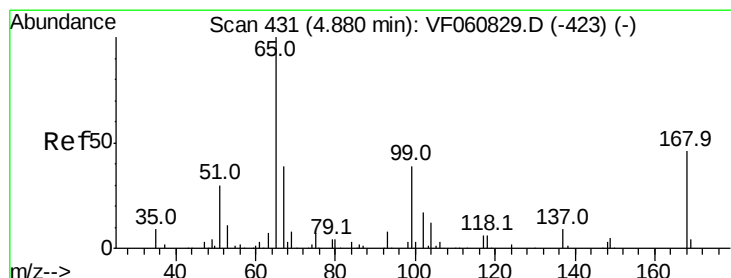
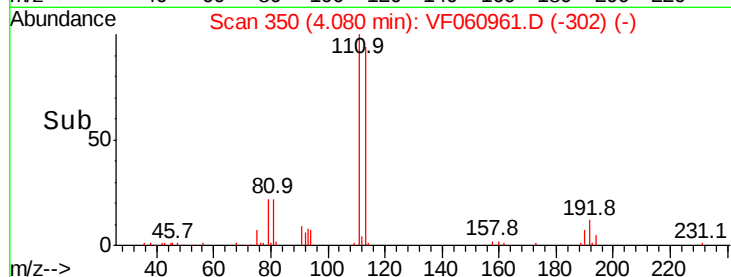
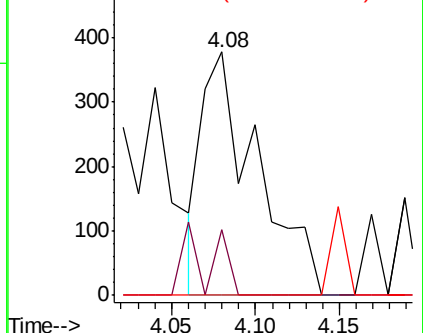
42 100

72 14.9 31.9 47.9#

71 0.0 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



#33

1,2-Dichloroethane-d4

Concen: 46.384 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060961.D

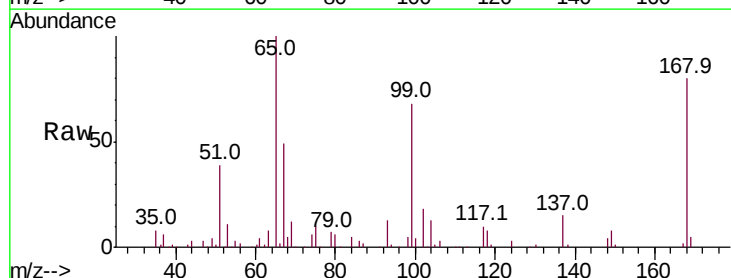
Acq: 10 Dec 2018 18:49

Tgt Ion: 65 Resp: 146185

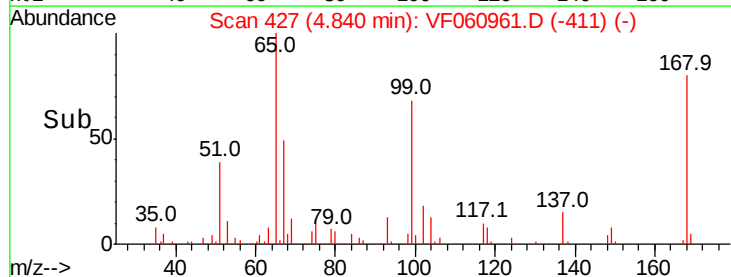
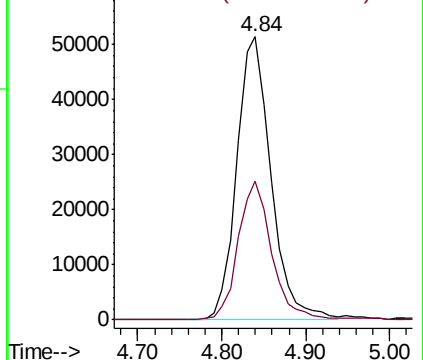
Ion Ratio Lower Upper

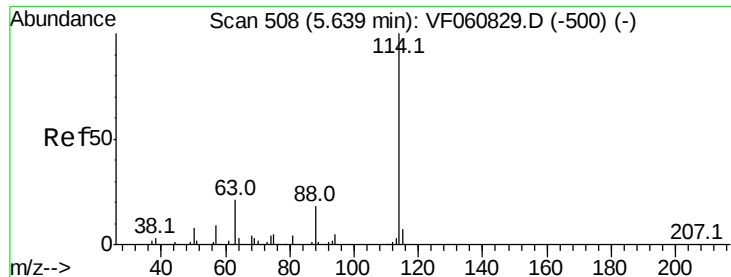
65 100

67 49.1 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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

Instrument :

MSVOA_F

ClientSampleId :

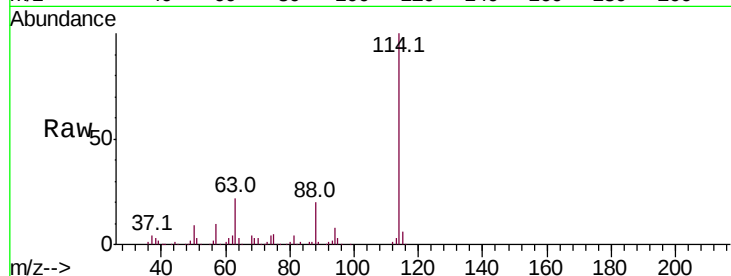
Tot Ion:114 Resp: 469532

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

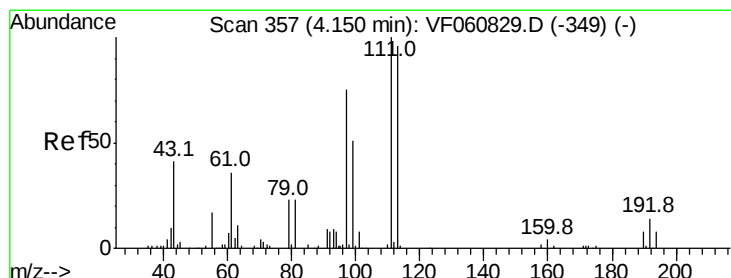
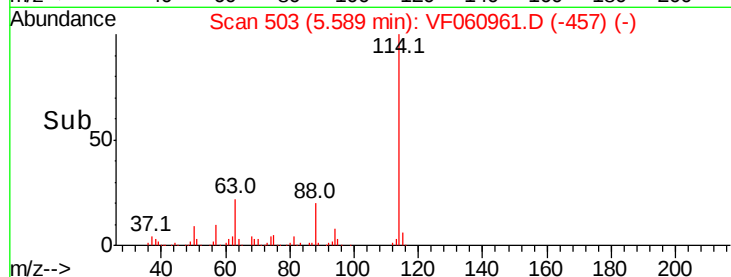
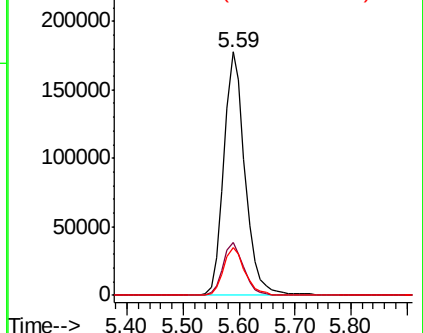
88 19.9 0.0 36.6



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: 42.304 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

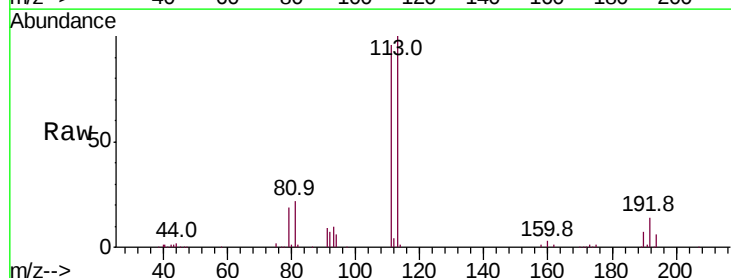
Tgt Ion:113 Resp: 157578

Ion Ratio Lower Upper

113 100

111 95.5 83.0 124.6

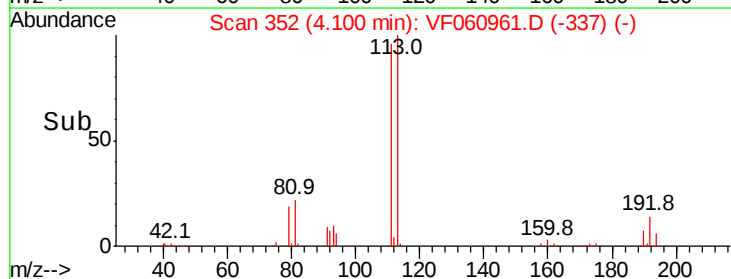
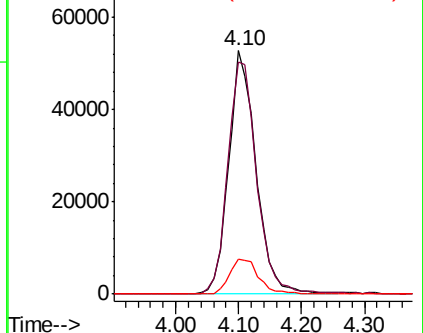
192 14.3 12.3 18.5

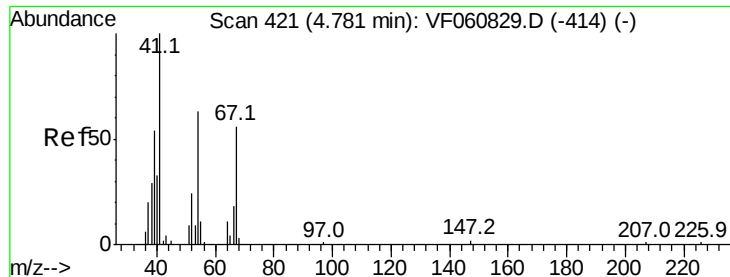


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

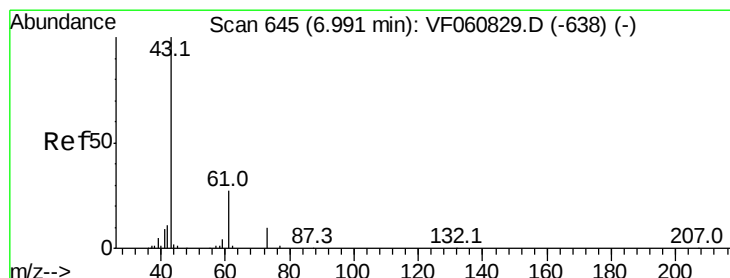
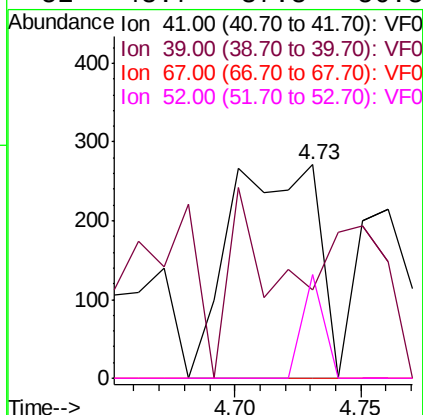
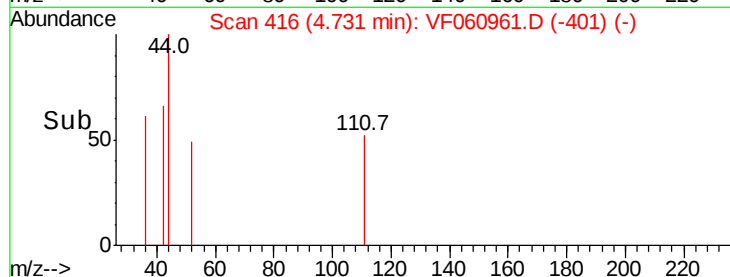
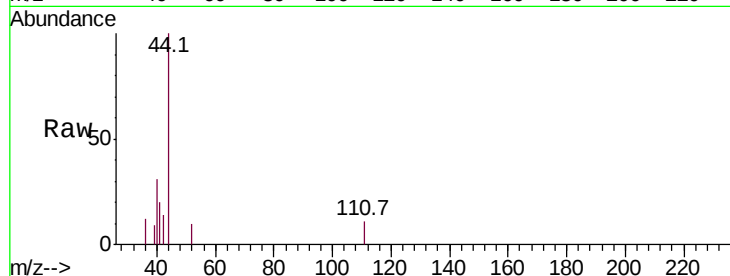




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

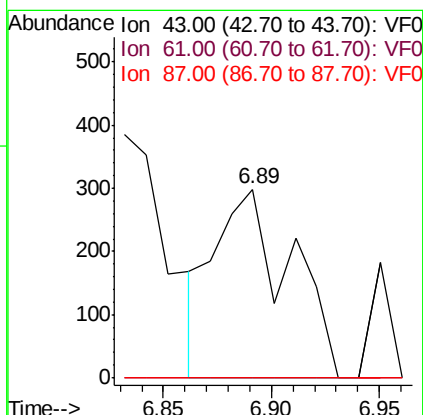
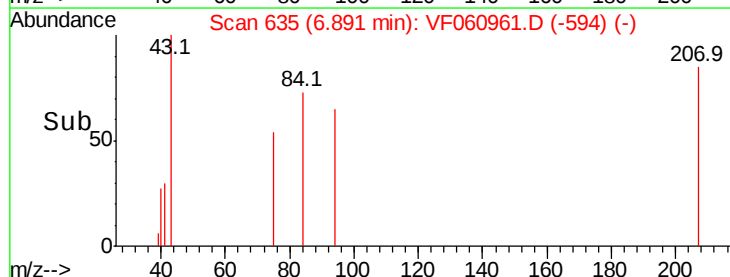
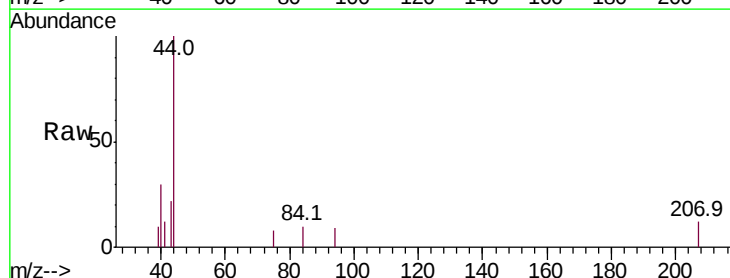
Instrument :
MSVOA_F
ClientSampled :

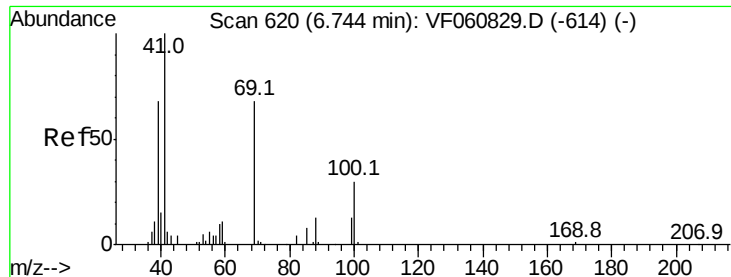
Tot Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
39 41.7 53.0 79.6#
67 0.0 43.8 65.6#
52 48.7 37.8 56.8



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.89 min Scan# 635
Delta R.T. -0.10 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

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#





#49

1,4-Dioxane

Concen: 4.280 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.35 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

Instrument :
MSVOA_F
ClientSampleId :

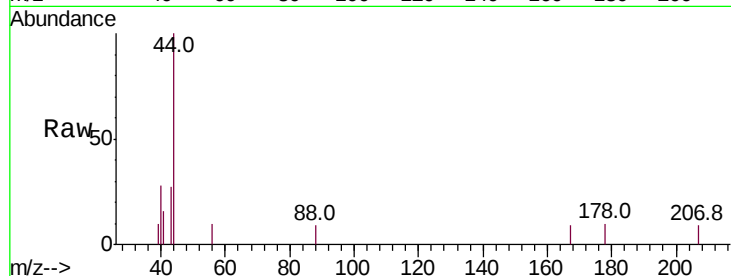
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

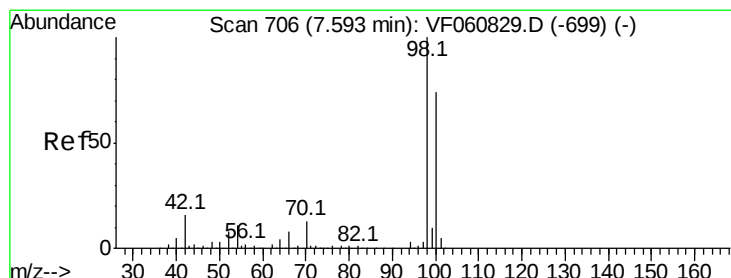
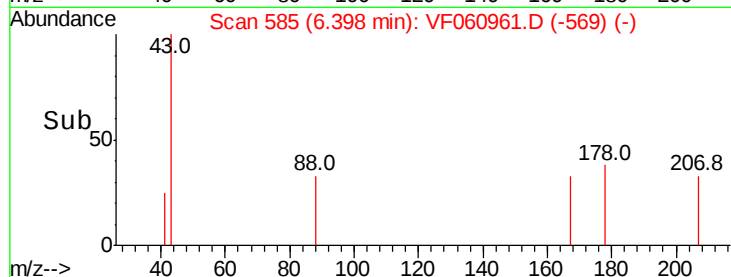
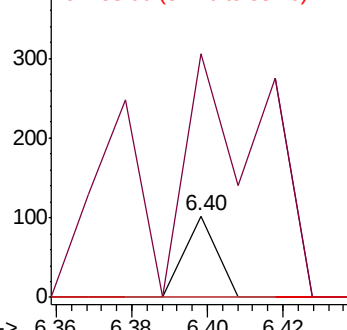
88 100

43 300.0 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: 34.499 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060961.D

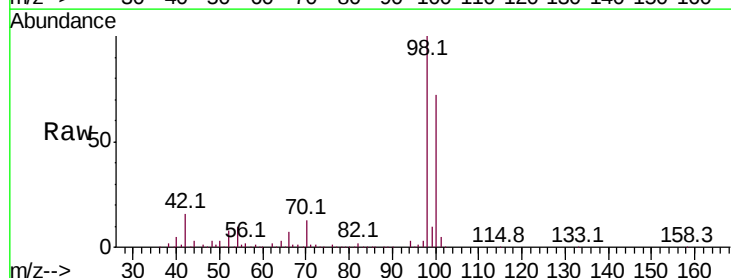
Acq: 10 Dec 2018 18:49

Tgt Ion: 98 Resp: 378544

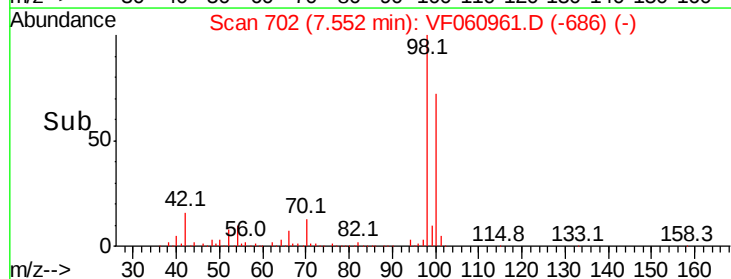
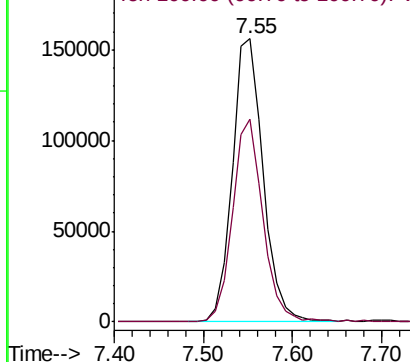
Ion Ratio Lower Upper

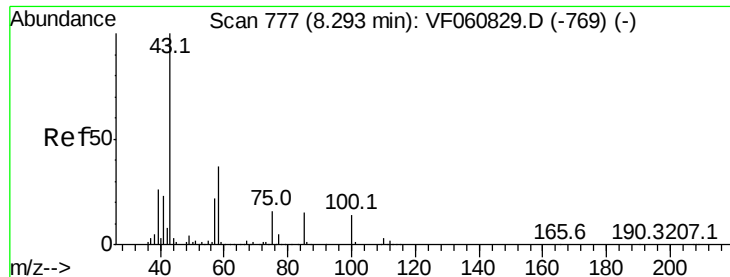
98 100

100 71.6 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: 1.047 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060961.D

Acq: 10 Dec 2018 18:49

Instrument :

MSVOA_F

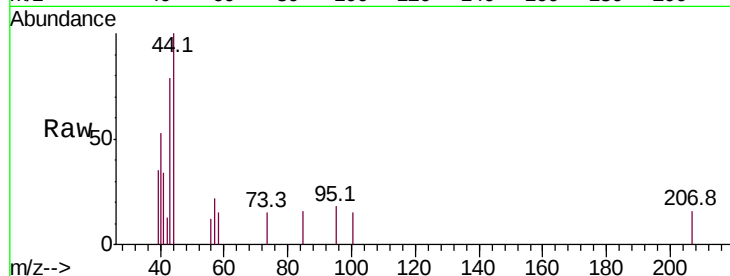
ClientSampleId :

Tot Ion: 43 Resp: 2044

Ion Ratio Lower Upper

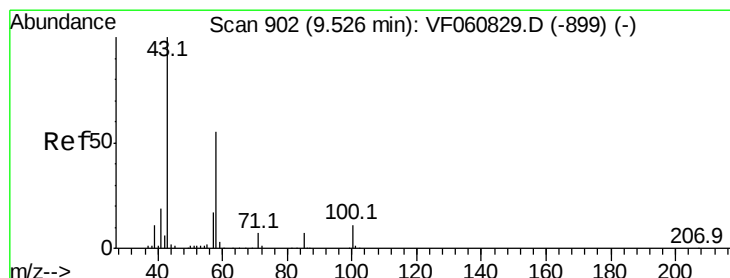
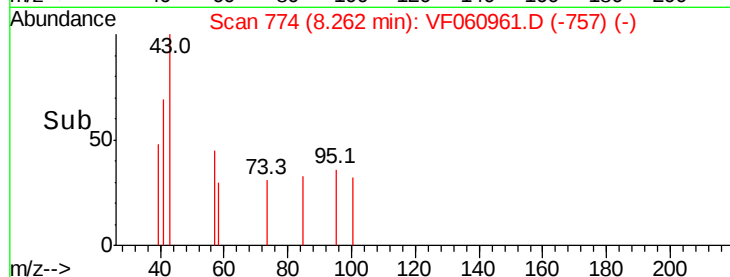
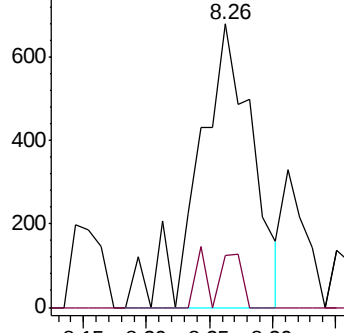
43 100

58 18.3 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: 1.404 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.02 min

Lab File: VF060961.D

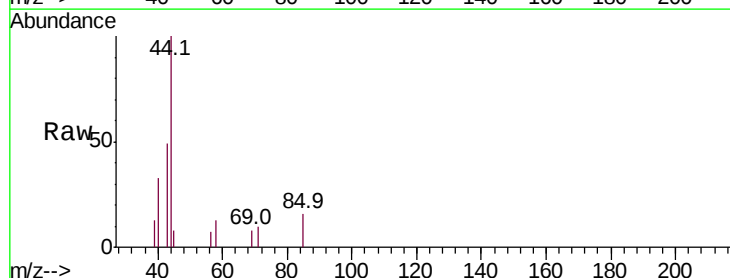
Acq: 10 Dec 2018 18:49

Tgt Ion: 43 Resp: 1922

Ion Ratio Lower Upper

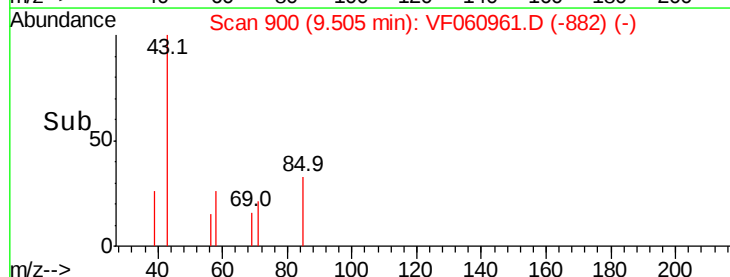
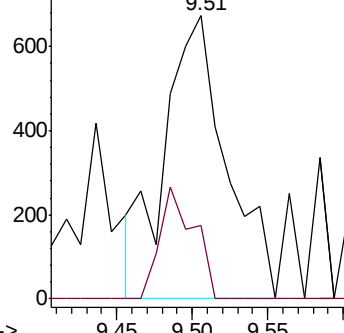
43 100

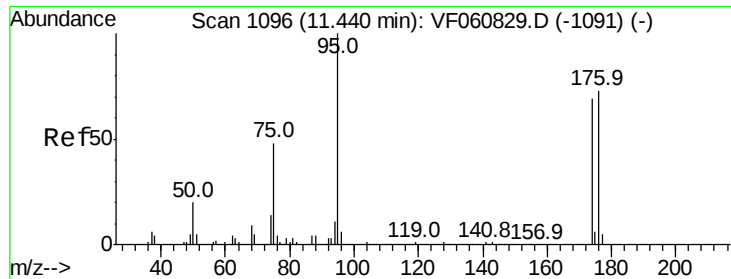
58 26.2 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

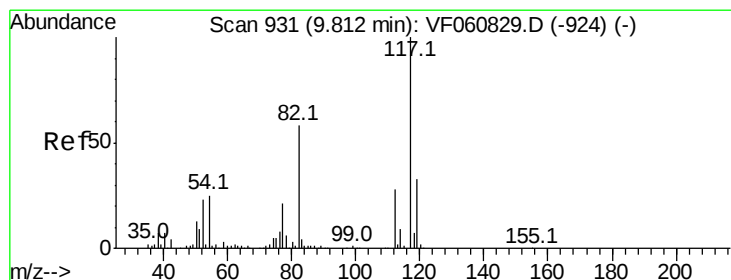
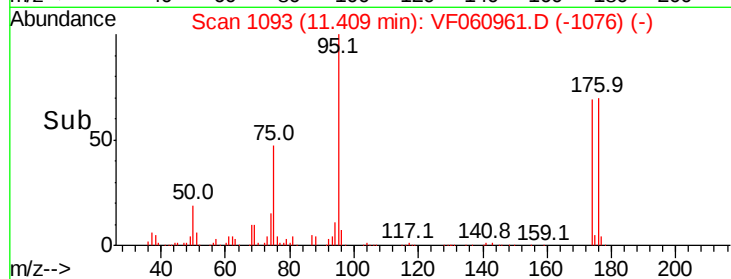
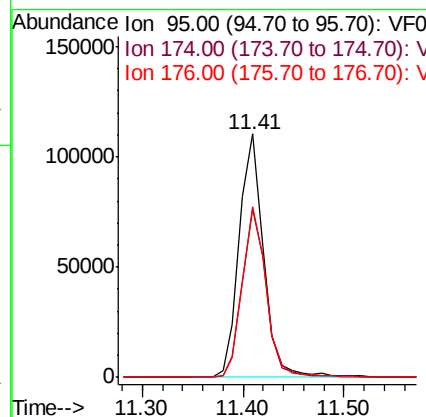
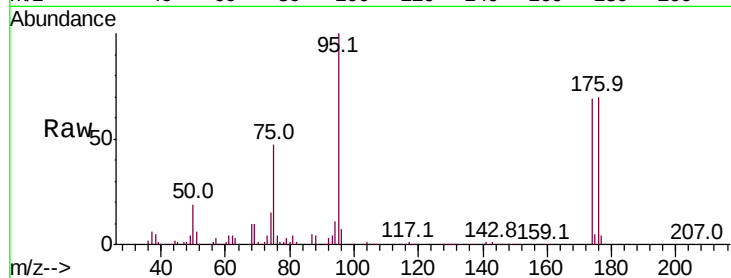




#62
4-Bromofluorobenzene
Concen: 37.153 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

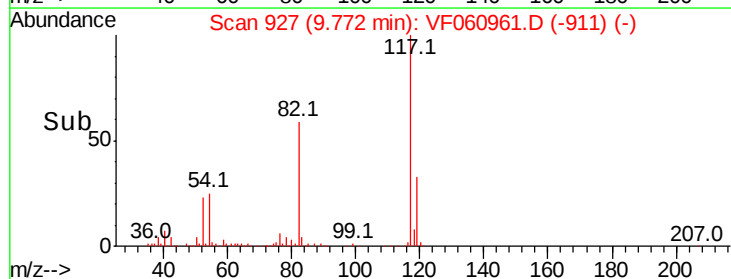
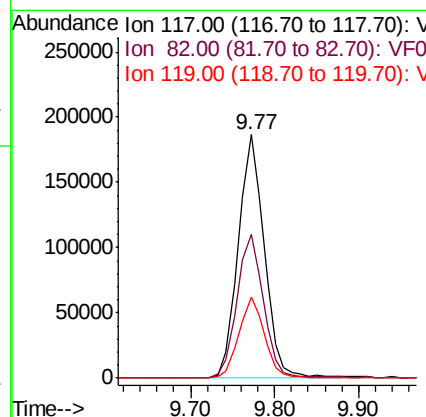
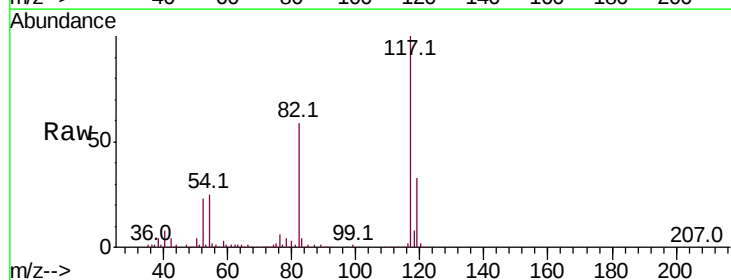
Instrument :
MSVOA_F
ClientSampleId :

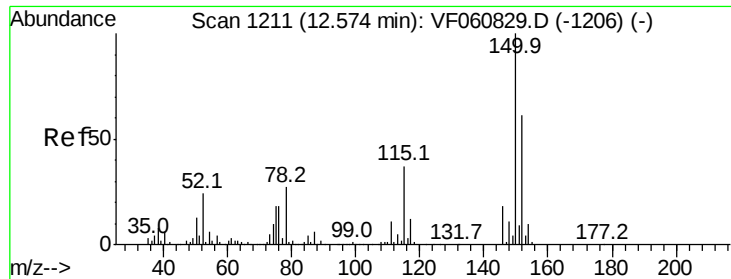
Tot Ion: 95 Resp: 185277
Ion Ratio Lower Upper
95 100
174 69.0 0.0 138.2
176 69.9 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Tgt Ion: 117 Resp: 403214
Ion Ratio Lower Upper
117 100
82 58.8 46.6 69.8
119 33.2 26.4 39.6



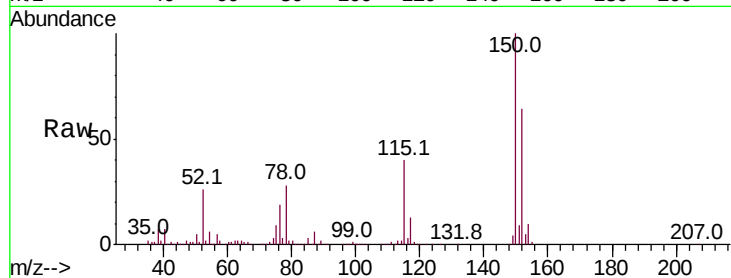


#72

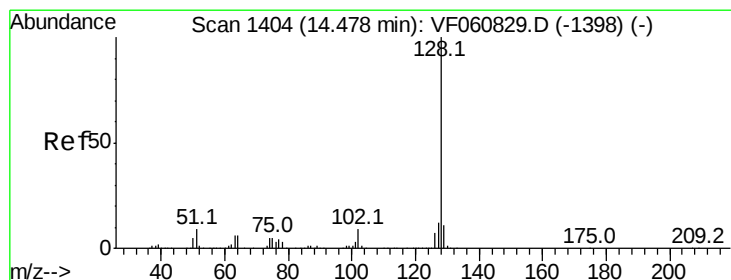
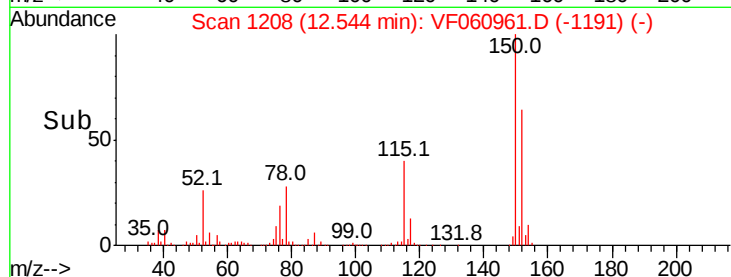
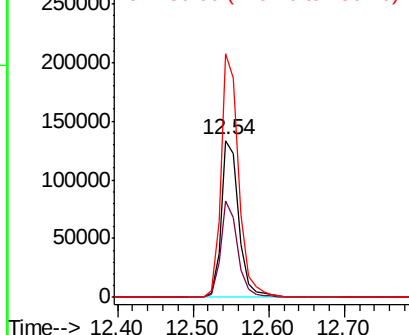
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 218360
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.5
150 155.4 0.0 327.6



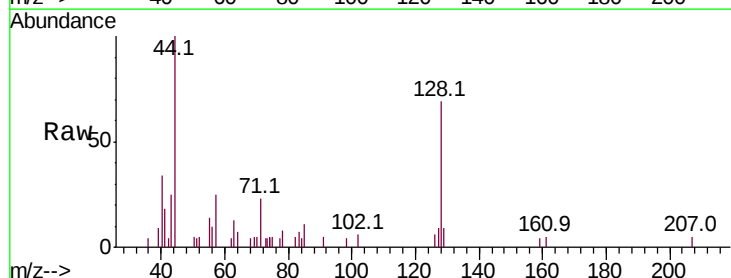
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: Below Cal
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060961.D
Acq: 10 Dec 2018 18:49

Tgt Ion:128 Resp: 3500
Ion Ratio Lower Upper
128 100
127 13.6 9.9 14.9
129 12.8 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

