

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059806.D
 Acq On : 2 Aug 2018 17:49
 Operator : VA/AP
 Sample : VIBLK
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Aug 03 07:05:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	166582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	236250	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	235220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	161129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	160120	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	4.28	113	128407	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	7.70	98	273234	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.51	95	149303	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	416	Below Cal	#	44
3) Chloromethane	1.10	50	781	Below Cal	#	87
4) Vinyl Chloride	1.13	62	73	Below Cal	#	47
5) Bromomethane	1.21	94	163	Below Cal		95
6) Chloroethane	1.39	64	151	Below Cal	#	1
10) Methyl Iodide	2.00	142	78	Below Cal	#	20
11) Tert butyl alcohol	2.68	59	547	3.090	ug/l #	1
13) Acrolein	2.02	56	176	18.669	ug/l	86
15) Acrylonitrile	3.03	53	279	1.505	ug/l #	89
16) Acetone	2.34	43	3511	6.520	ug/l #	68
17) Carbon Disulfide	1.86	76	164	Below Cal	#	19
18) Methyl Acetate	2.44	43	621	Below Cal	#	78
20) Methylene Chloride	2.27	84	2970	Below Cal	#	77
21) trans-1,2-Dichloroethene	2.42	96	159	Below Cal	#	1
25) 2-Butanone	4.53	43	1079	1.795	ug/l #	74
28) Bromochloromethane	3.89	49	62	Below Cal	#	15
31) Cyclohexane	3.93	56	62	Below Cal	#	15
36) 1,1-Dichloropropene	4.42	75	925	Below Cal	#	46
37) Ethyl Acetate	4.28	43	640	Below Cal	#	19
39) Methylcyclohexane	5.75	83	4625	Below Cal	#	38
41) Methacrylonitrile	4.94	41	357	Below Cal	#	60
44) Trichloroethene	5.65	130	65	Below Cal		2
49) 1,4-Dioxane	6.91	88	64	Below Cal	#	21
51) 4-Methyl-2-Pentanone	8.41	43	1149	1.069	ug/l #	42
52) Toluene	7.76	92	788	Below Cal	#	59
58) 2-Chloroethyl Vinyl ether	7.77	63	324	2.082	ug/l	100
59) 2-Hexanone	9.63	43	1249	1.450	ug/l #	62
64) Tetrachloroethene	8.37	164	72	Below Cal	#	1
68) m/p-Xylenes	10.25	106	342	Below Cal	#	55
78) n-propylbenzene	11.68	91	525	Below Cal	#	55
79) 2-Chlorotoluene	11.79	91	607	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.90	105	323	Below Cal		84
82) 4-Chlorotoluene	11.98	91	326	Below Cal	#	1
84) 1,2,4-Trimethylbenzene	12.28	105	841	Below Cal	#	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059806.D
 Acq On : 2 Aug 2018 17:49
 Operator : VA/AP
 Sample : VIBLK
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Aug 03 07:05:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

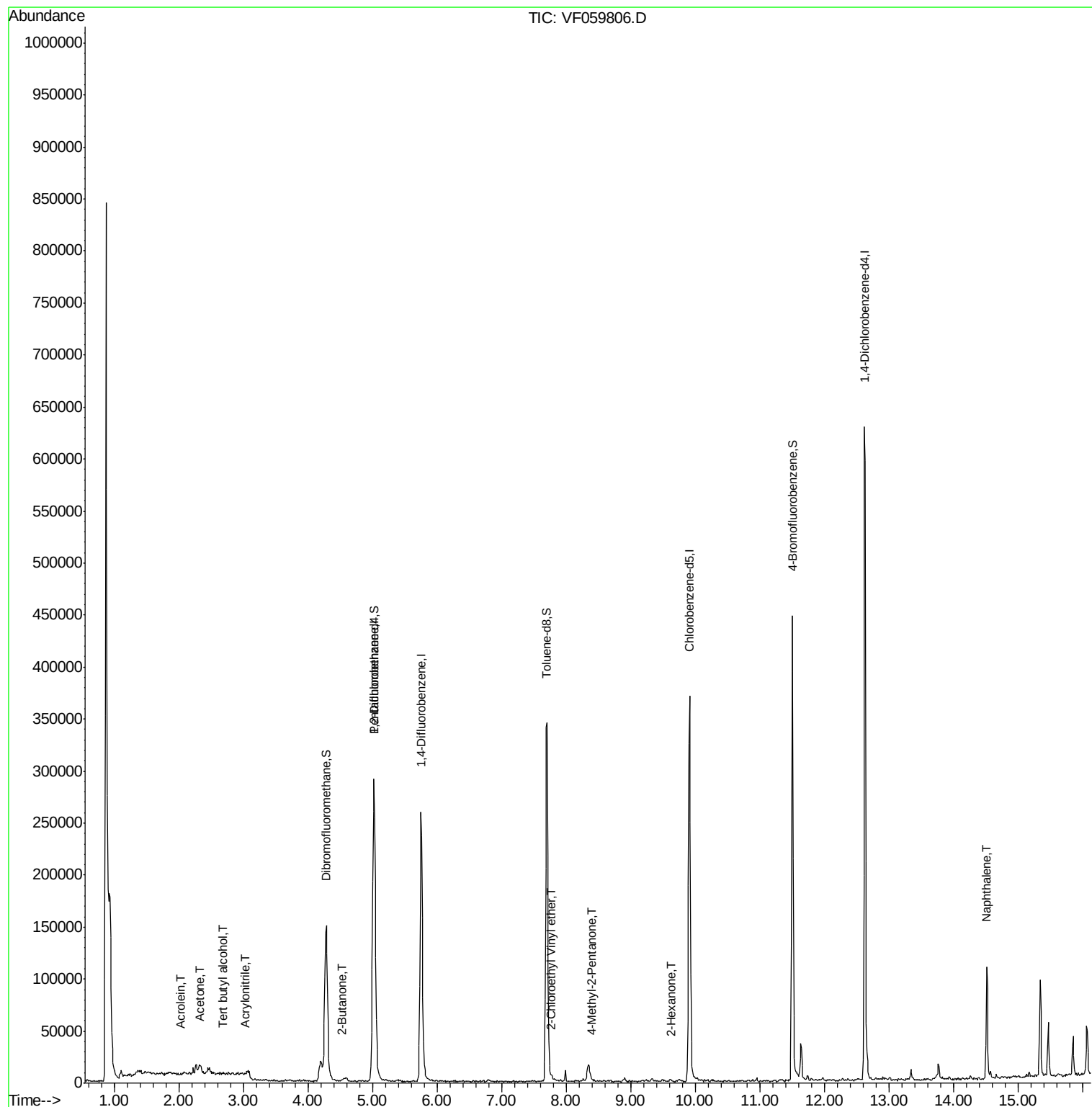
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.38	105	376	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	505	Below Cal	#	70
87) 1,3-Dichlorobenzene	12.56	146	409	Below Cal	#	39
88) 1,4-Dichlorobenzene	12.64	146	667	Below Cal	#	37
89) n-Butylbenzene	12.90	91	1024	Below Cal	#	63
91) 1,2-Dichlorobenzene	13.01	146	390	Below Cal	#	64
93) 1,2,4-Trichlorobenzene	14.26	180	949	Below Cal	#	73
95) Naphthalene	14.51	128	75063	10.805	µg/l	98

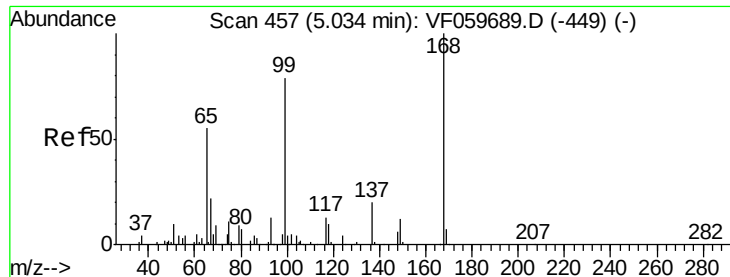
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\
Data File : VF059806.D
Acq On : 2 Aug 2018 17:49
Operator : VA/AP
Sample : VIBLK
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 89 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Aug 03 07:05:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

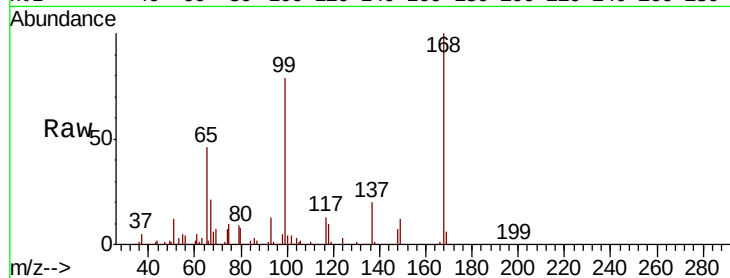
BFB

Tot Ion:168 Resp: 166582

Ion Ratio Lower Upper

168 100

99 78.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

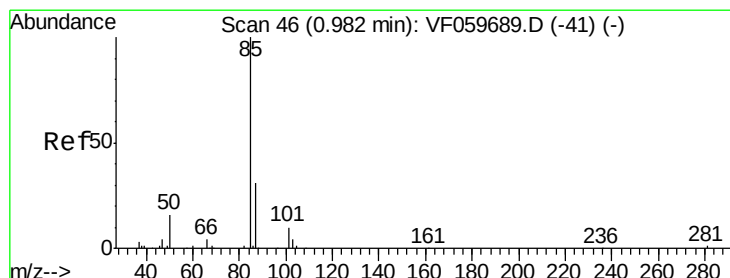
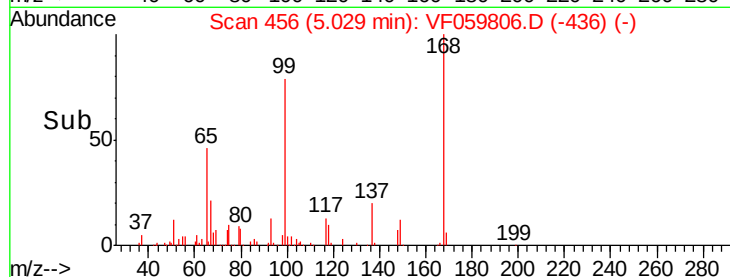
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059806.D

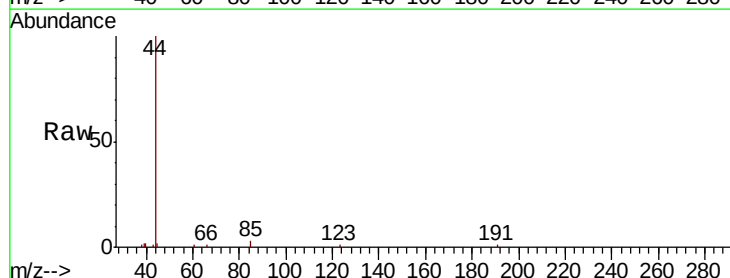
Acq: 2 Aug 2018 17:49

Tgt Ion: 85 Resp: 416

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

400

300

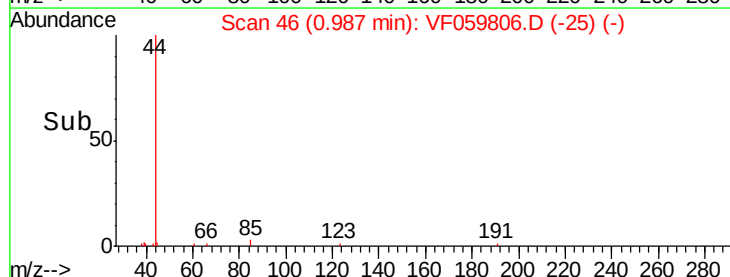
200

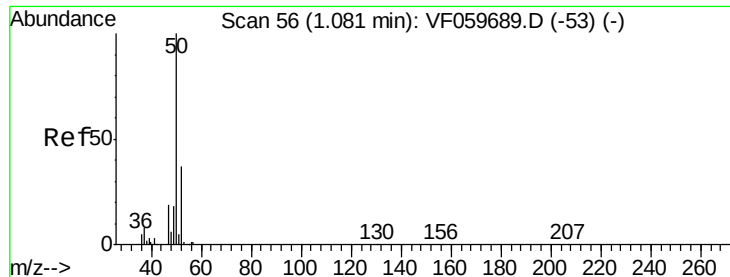
100

0

0.95 1.00

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

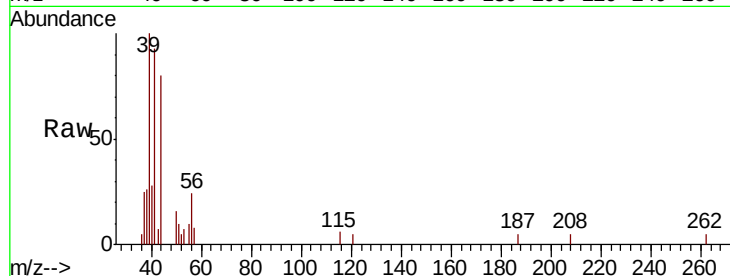
BFB

Tot Ion: 50 Resp: 781

Ion Ratio Lower Upper

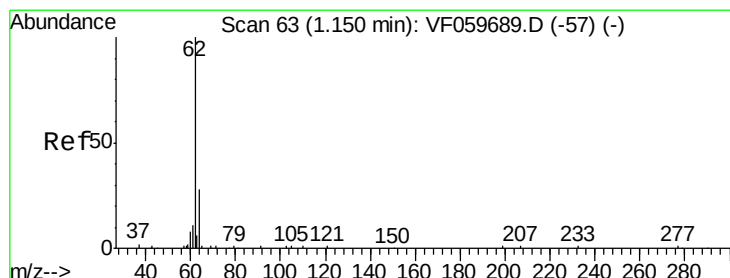
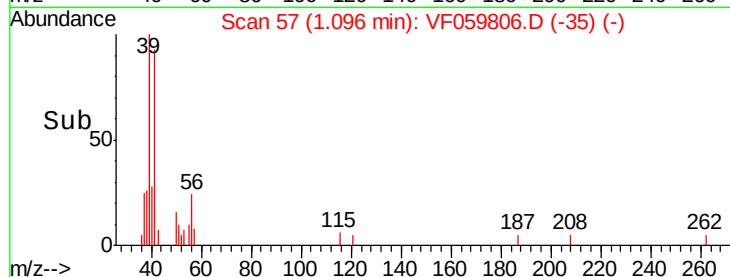
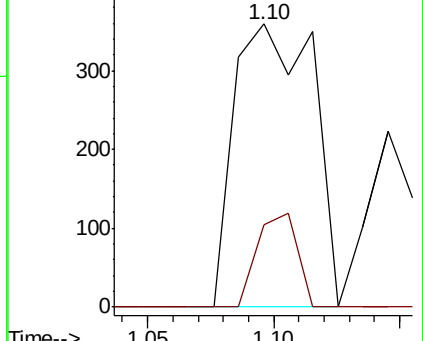
50 100

52 29.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.13 min Scan# 60

Delta R.T. -0.02 min

Lab File: VF059806.D

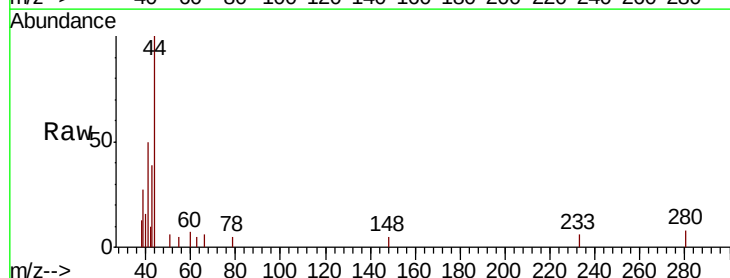
Acq: 2 Aug 2018 17:49

Tgt Ion: 62 Resp: 73

Ion Ratio Lower Upper

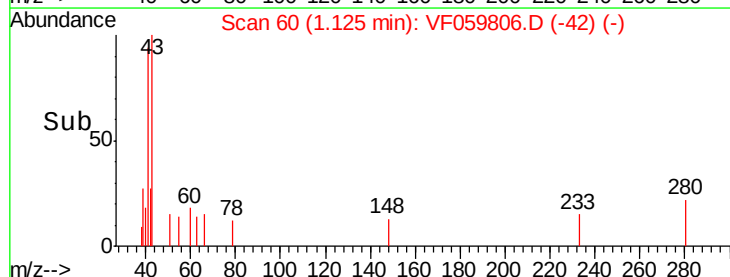
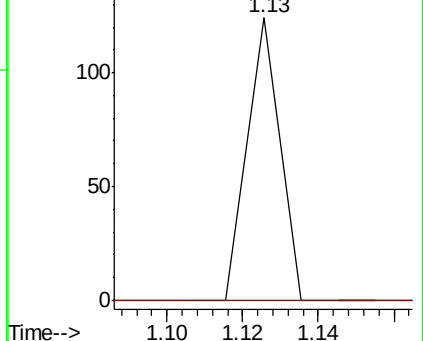
62 100

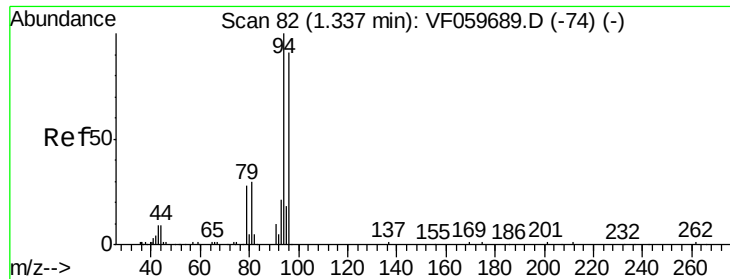
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.21 min Scan# 69

Delta R.T. -0.12 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

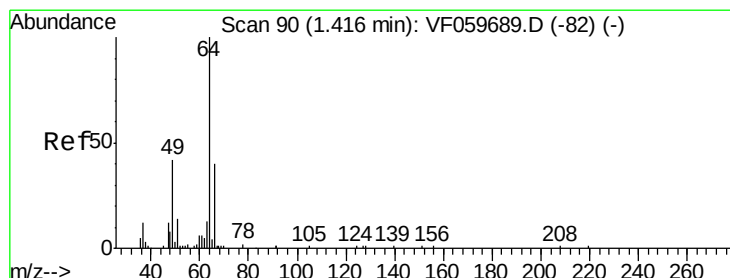
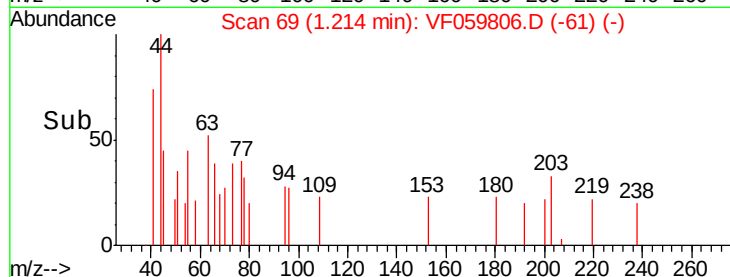
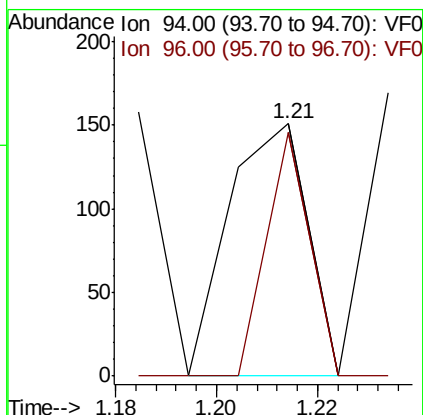
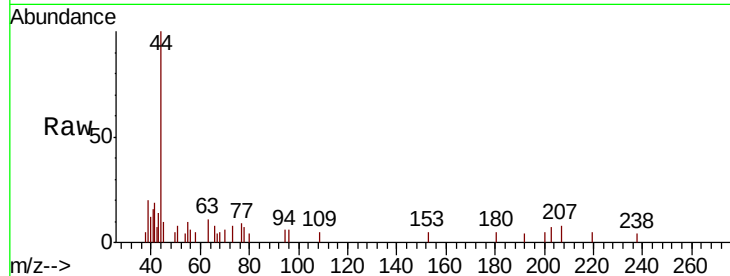
BFB

Tot Ion: 94 Resp: 163

Ion Ratio Lower Upper

94 100

96 96.7 73.6 110.4



#6

Chloroethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF059806.D

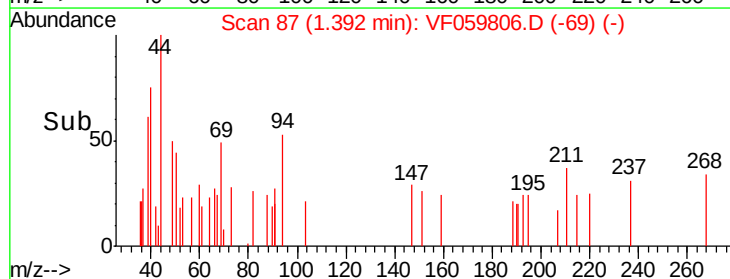
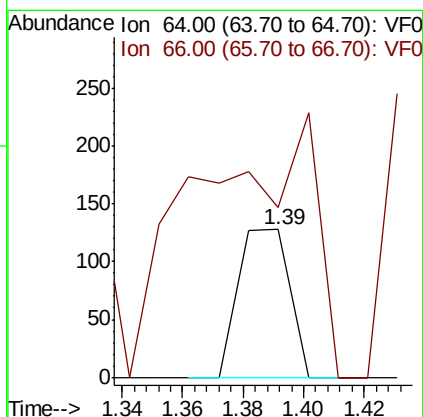
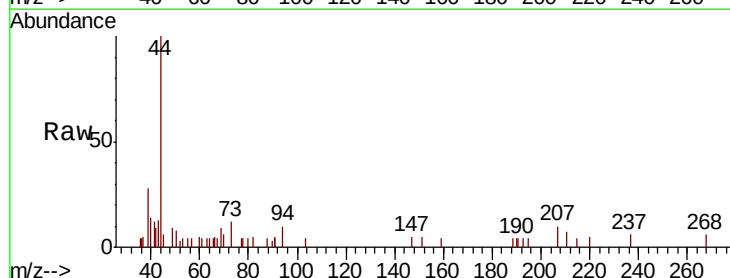
Acq: 2 Aug 2018 17:49

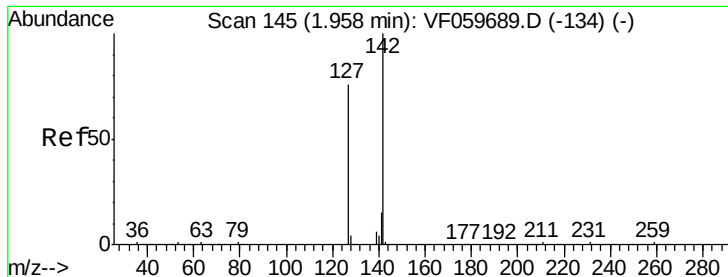
Tgt Ion: 64 Resp: 151

Ion Ratio Lower Upper

64 100

66 114.8 32.6 49.0#

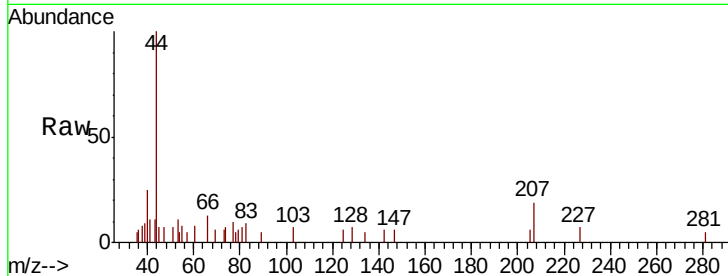




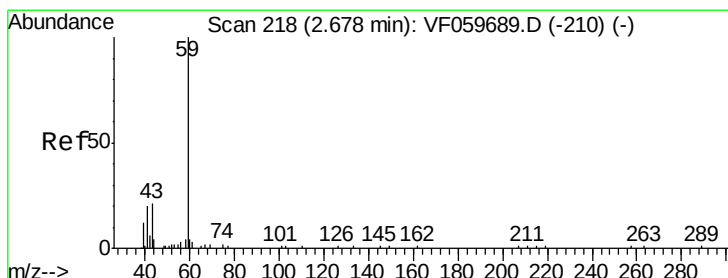
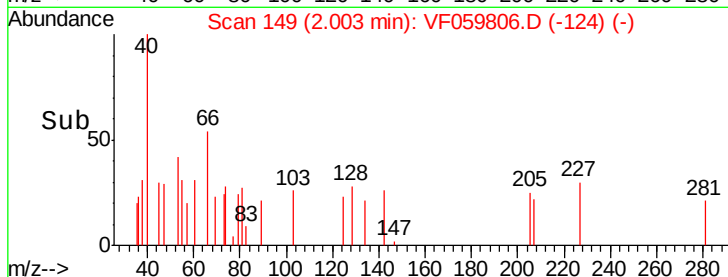
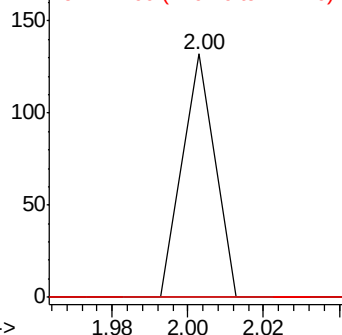
#10
Methyl Iodide
Concen: Below Cal
RT: 2.00 min Scan# 149
Delta R.T. 0.04 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#

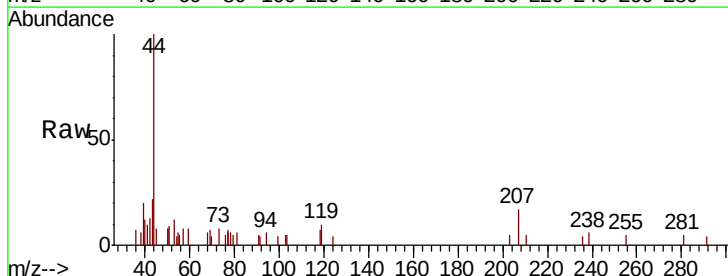


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

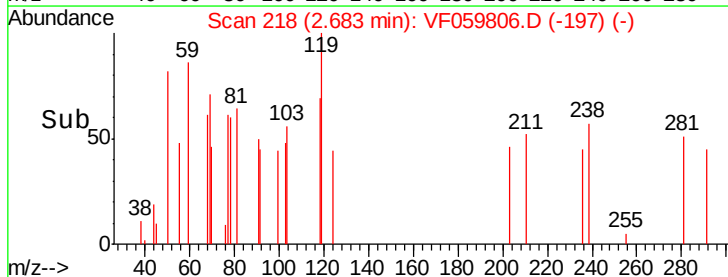
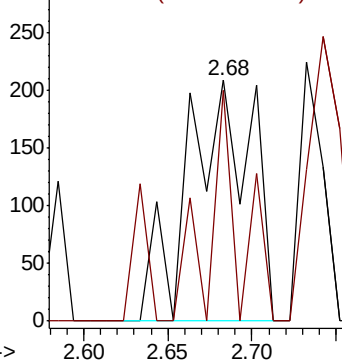


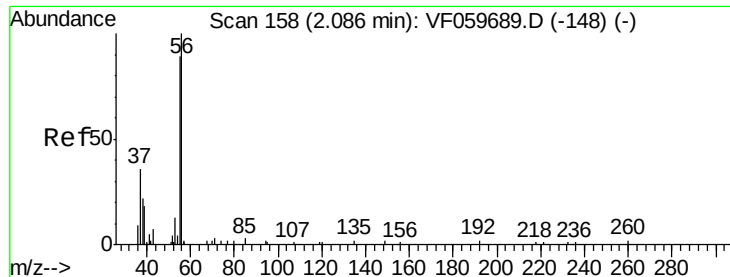
#11
Tert butyl alcohol
Concen: 3.090 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	95.7	7.6	11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 18.669 ug/l

RT: 2.02 min Scan# 151

Delta R.T. -0.06 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

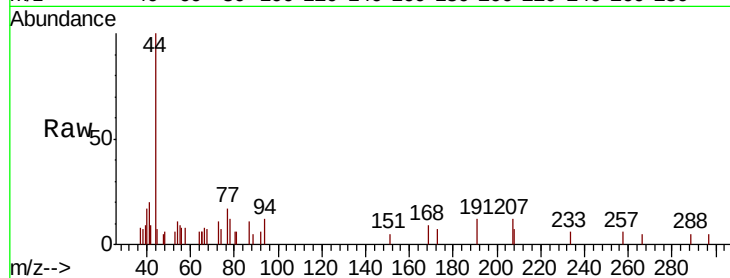
BFB

Tot Ion: 56 Resp: 176

Ion Ratio Lower Upper

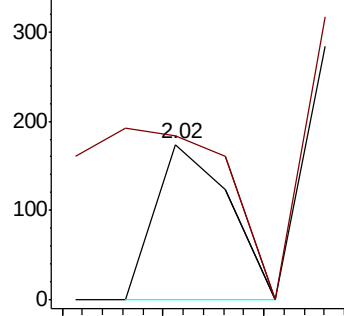
56 100

55 105.2 73.2 109.8

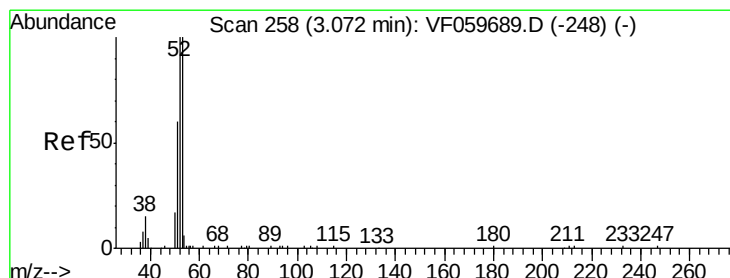
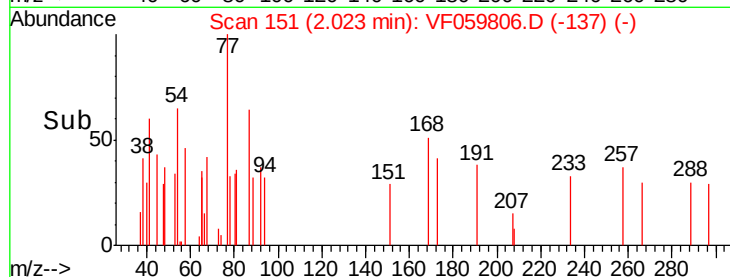


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.505 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.04 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

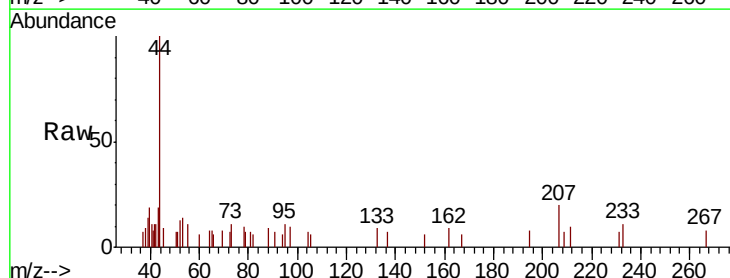
Tgt Ion: 53 Resp: 279

Ion Ratio Lower Upper

53 100

52 92.6 80.3 120.5

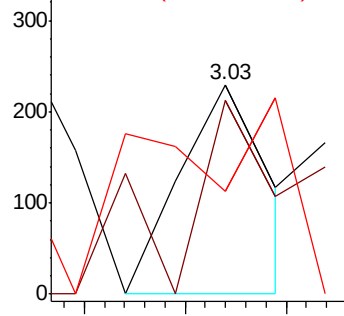
51 49.1 49.4 74.0#



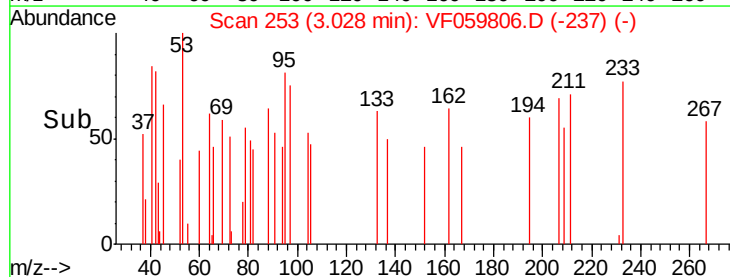
Abundance Ion 53.00 (52.70 to 53.70): VF0

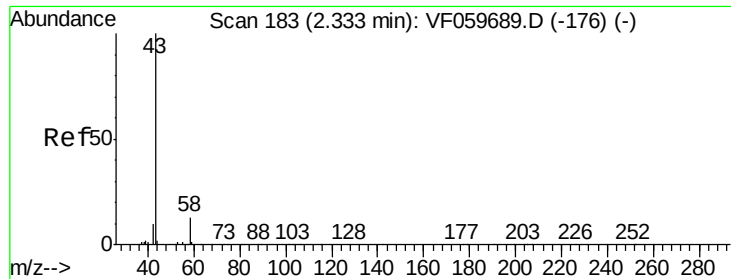
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 6.520 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

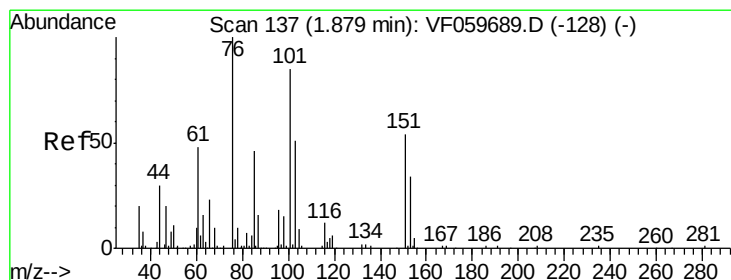
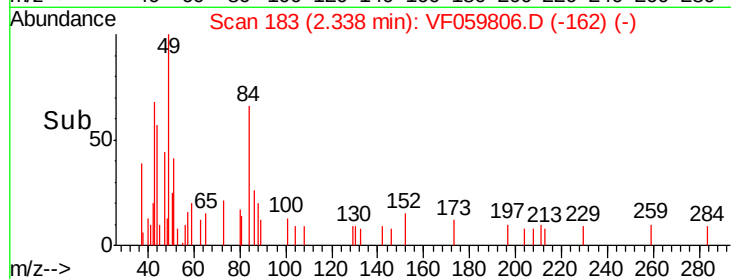
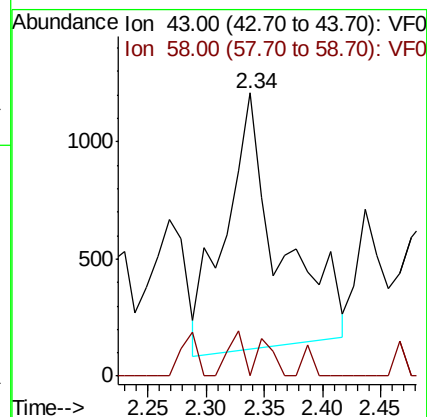
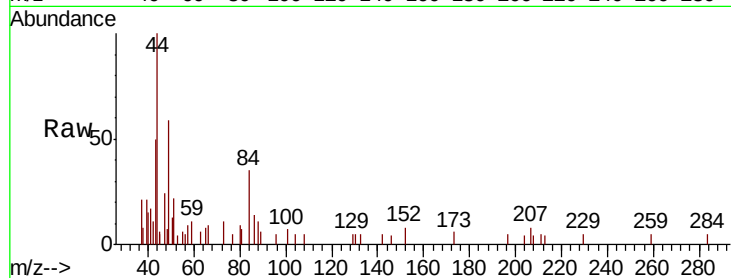
BFB

Tot Ion: 43 Resp: 3511

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF059806.D

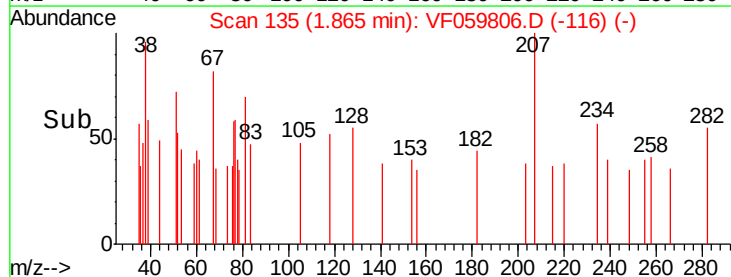
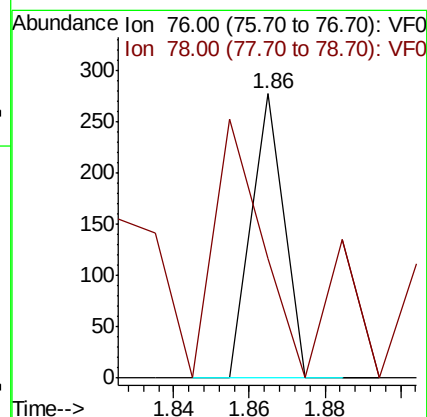
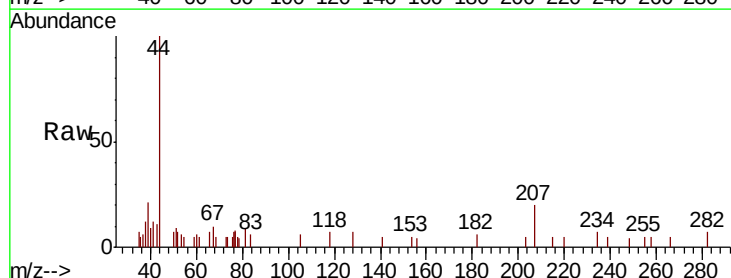
Acq: 2 Aug 2018 17:49

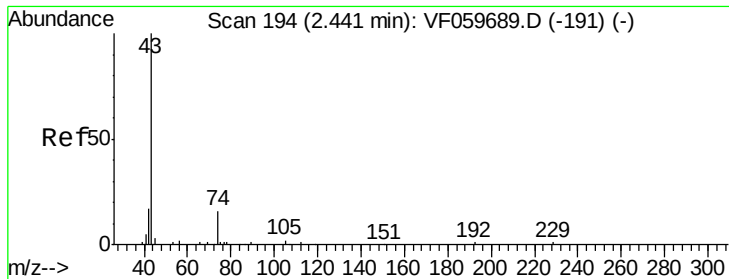
Tgt Ion: 76 Resp: 164

Ion Ratio Lower Upper

76 100

78 41.9 8.9 13.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

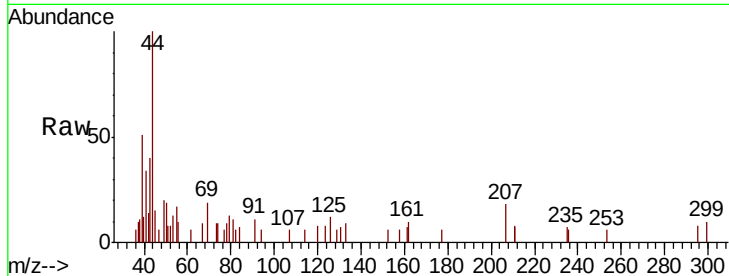
BFB

Tot Ion: 43 Resp: 621

Ion Ratio Lower Upper

43 100

74 23.6 11.8 17.6#



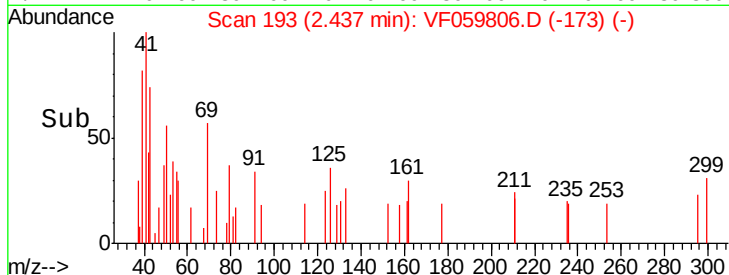
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

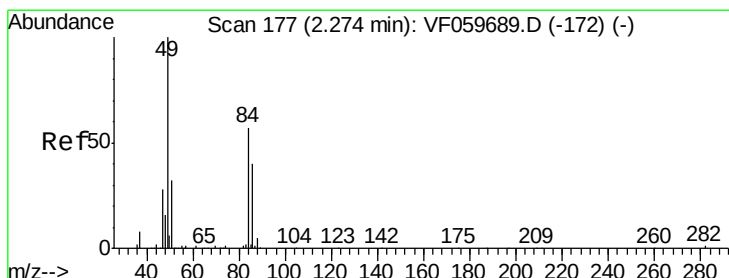
2.44

2.42

2.46



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Tgt Ion: 84 Resp: 2970

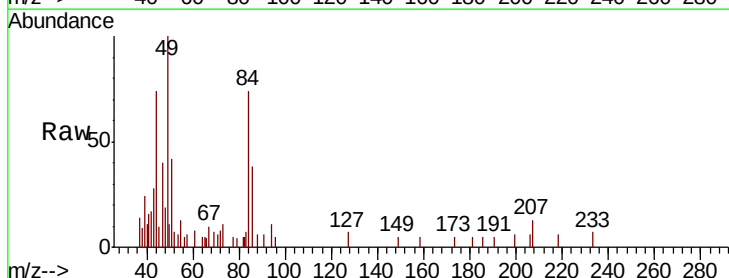
Ion Ratio Lower Upper

84 100

49 134.9 142.2 213.4#

51 56.7 46.2 69.2

86 51.7 57.1 85.7#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

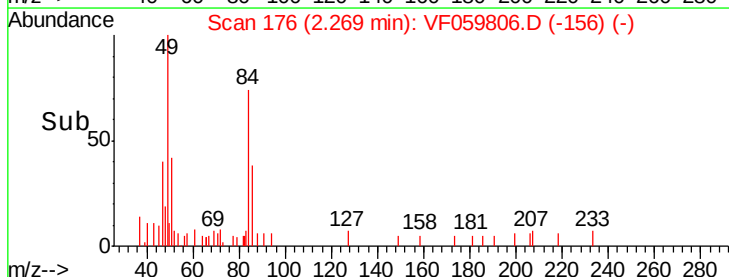
Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

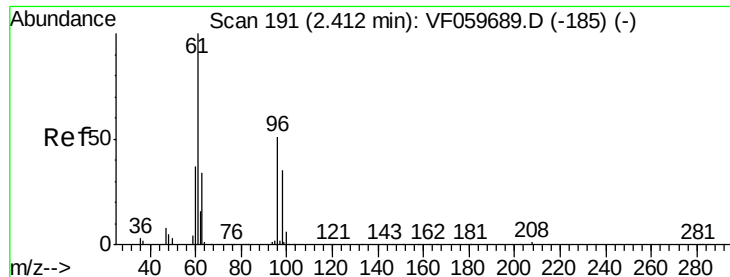
2.27

2.25

2.30



Time-->



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

BFB

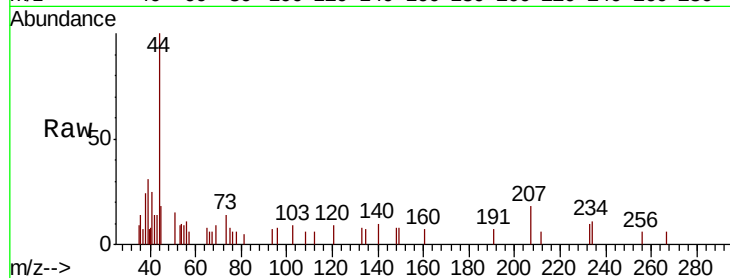
Tot Ion: 96 Resp: 159

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

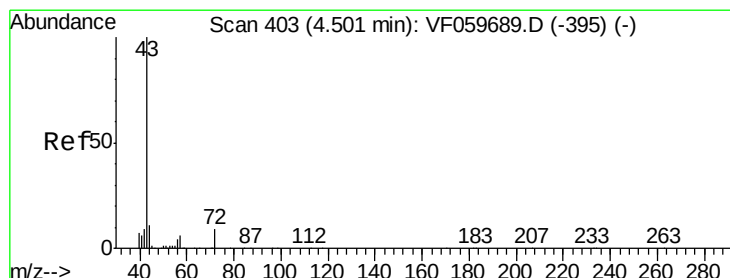
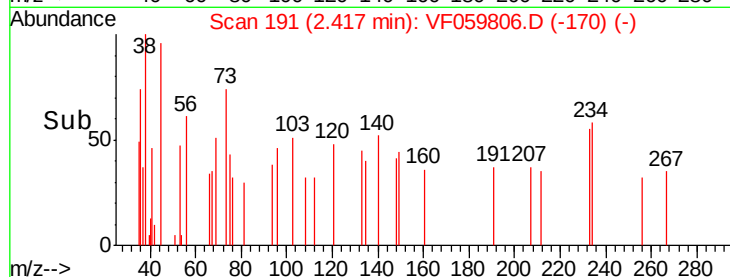
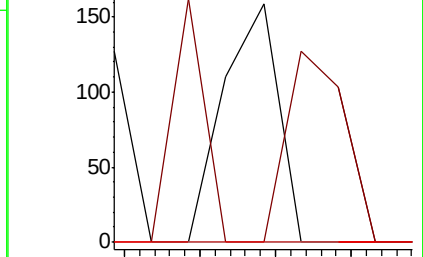
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#25

2-Butanone

Concen: 1.795 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.02 min

Lab File: VF059806.D

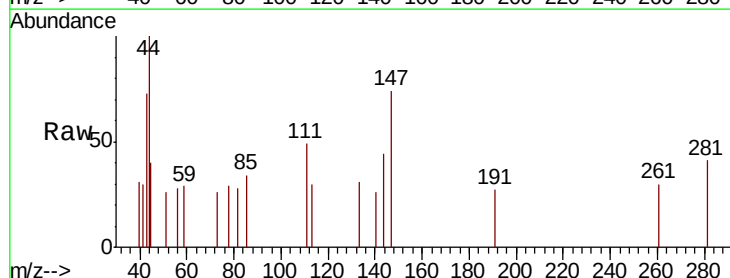
Acq: 2 Aug 2018 17:49

Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

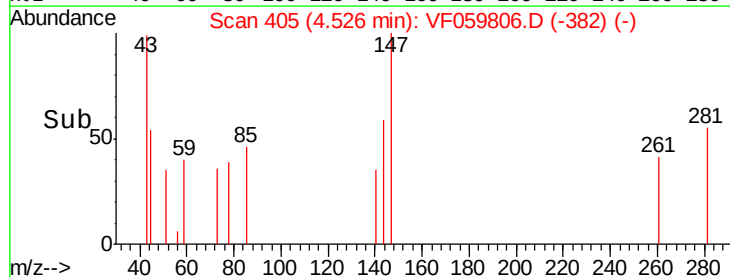
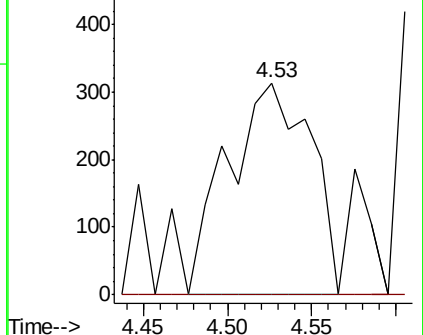
43 100

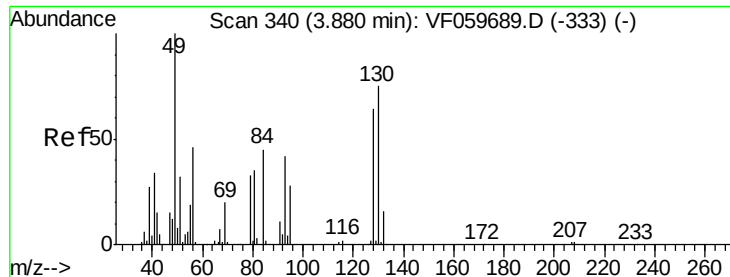
72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.89 min Scan# 340

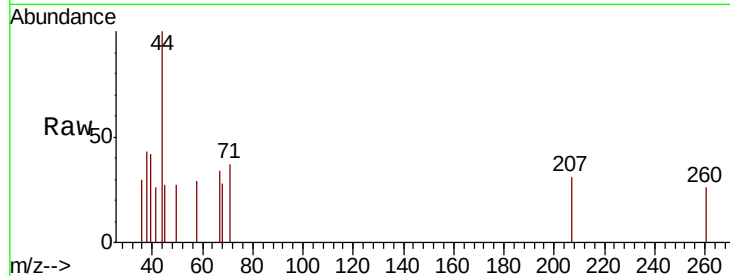
Delta R.T. 0.01 min

Lab File: VF059806.D

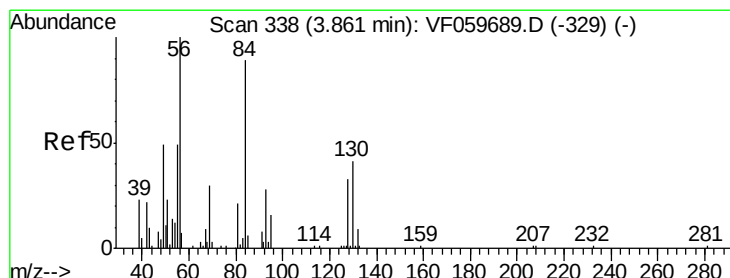
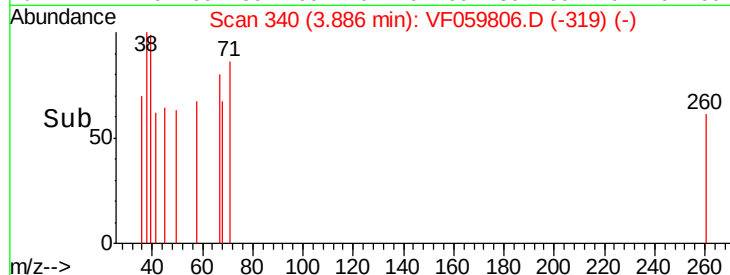
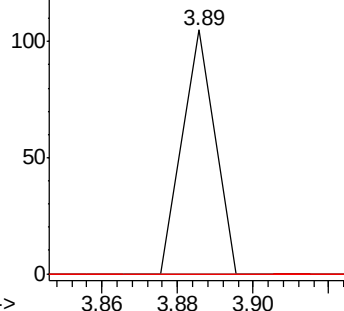
Acq: 2 Aug 2018 17:49

Instrument :
MSVOA_F
ClientSampled :
BFB

Tot Ion:	49.00	Resp:	62
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#31

Cyclohexane

Concen: Below Cal

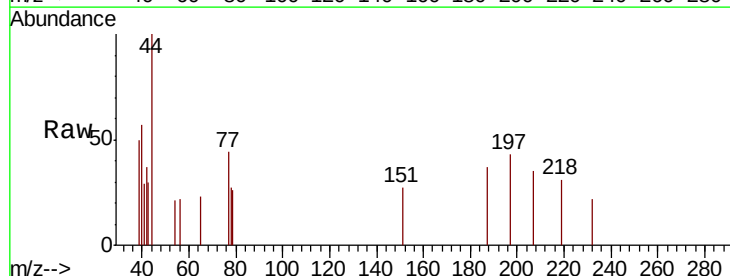
RT: 3.93 min Scan# 345

Delta R.T. 0.07 min

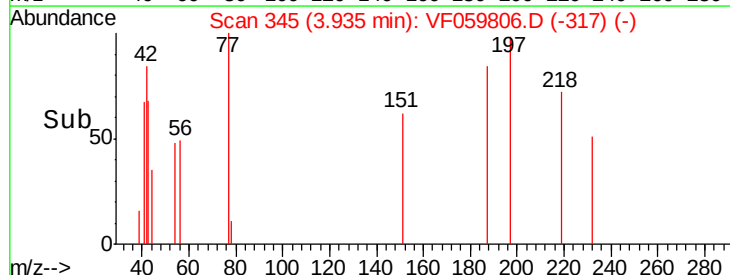
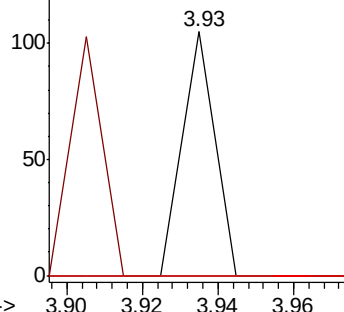
Lab File: VF059806.D

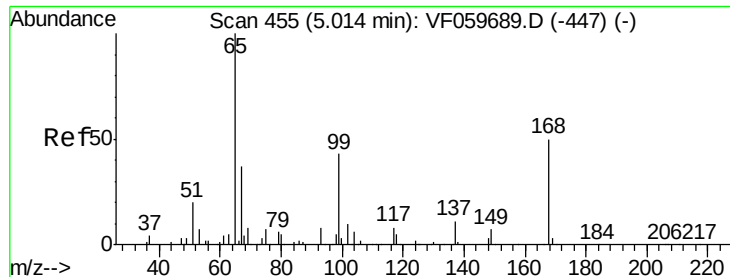
Acq: 2 Aug 2018 17:49

Tgt Ion:	56.00	Resp:	62
Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.7	35.5#
84	0.0	71.1	106.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

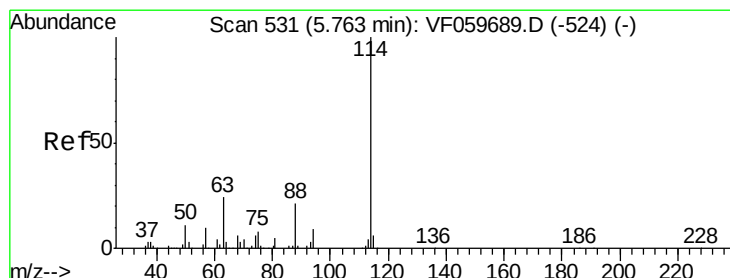
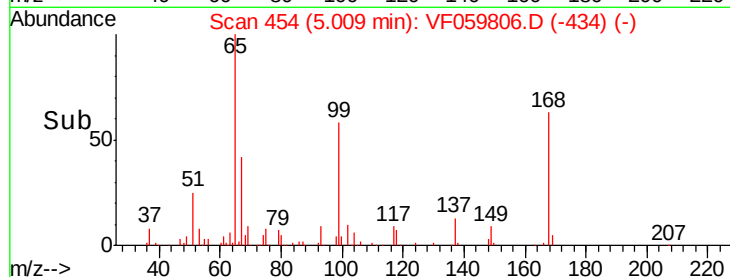
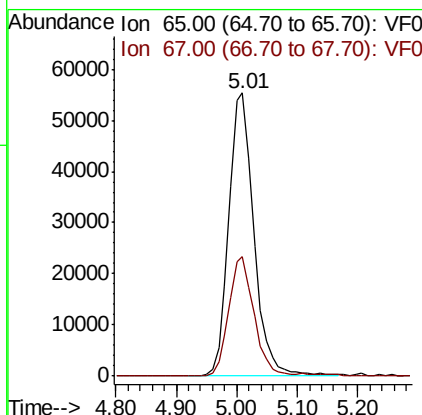
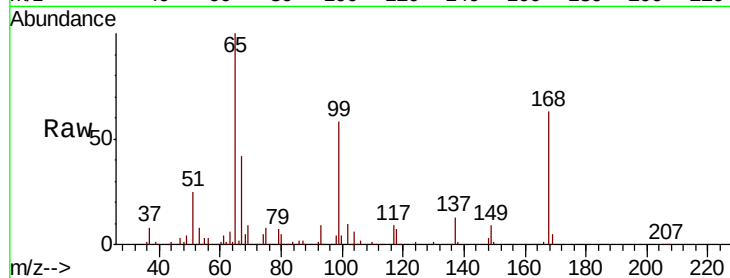




#33
 1,2-Dichloroethane-d4
 Concen: 53.484 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

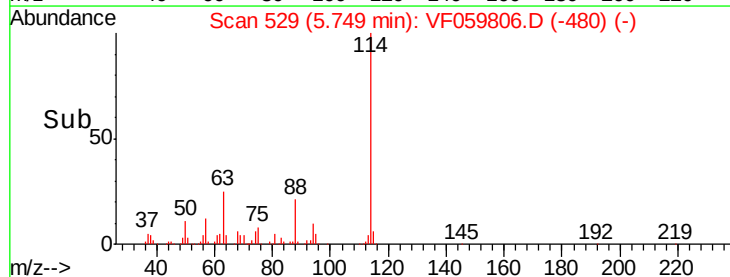
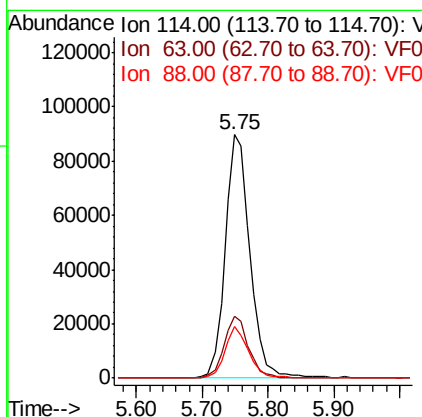
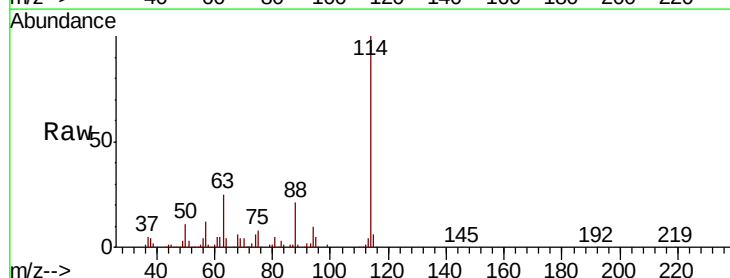
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

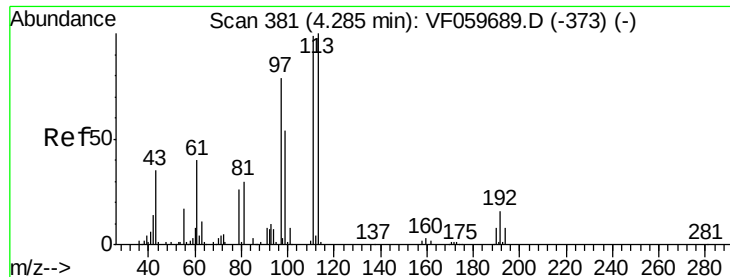
Tot Ion: 65 Resp: 160120
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

Tgt Ion: 114 Resp: 236250
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 47.4
 88 21.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 52.329 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

BFB

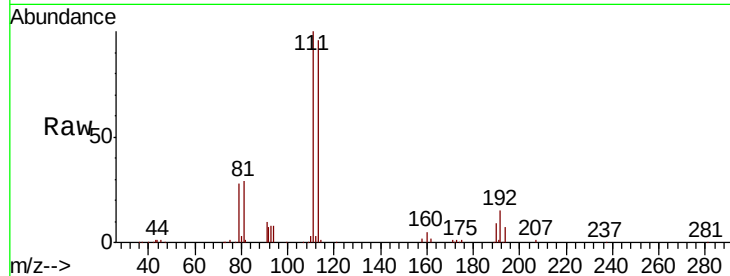
Tot Ion:113 Resp: 128407

Ion Ratio Lower Upper

113 100

111 103.9 79.0 118.4

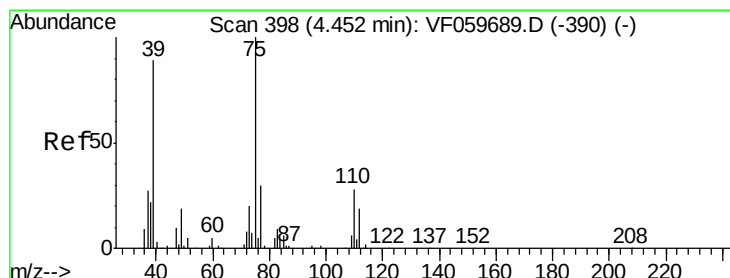
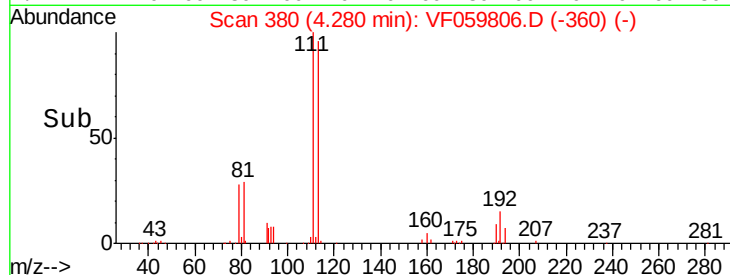
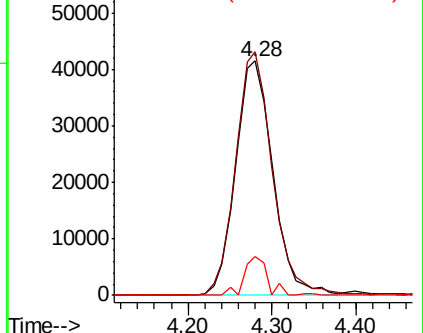
192 16.4 13.2 19.8



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



#36

1,1-Dichloropropene

Concen: Below Cal

RT: 4.42 min Scan# 394

Delta R.T. -0.03 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

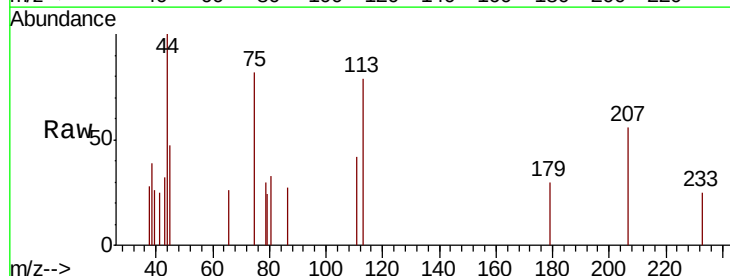
Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

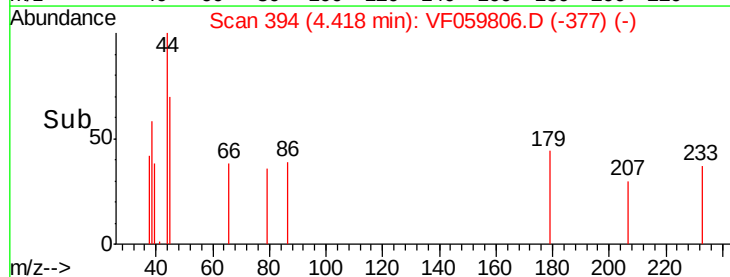
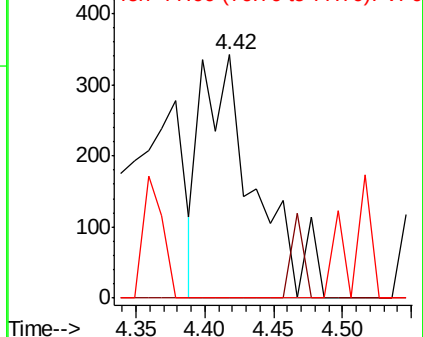
77 0.0 24.2 36.2#

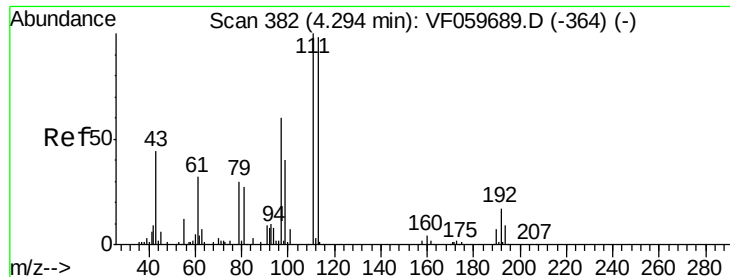


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

BFB

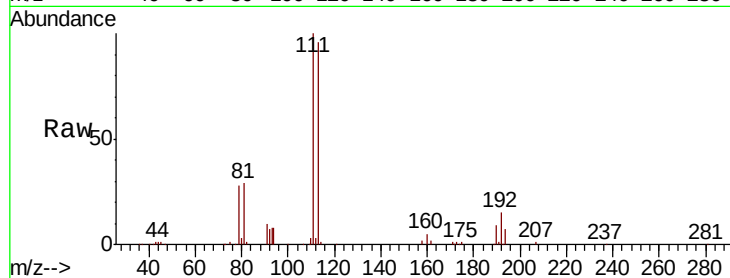
Tot Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

70 0.0 6.0 9.0#



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

600

400

200

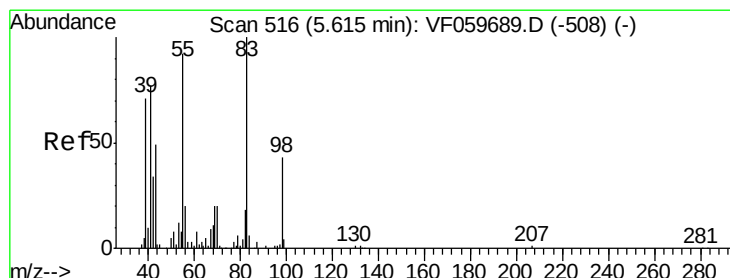
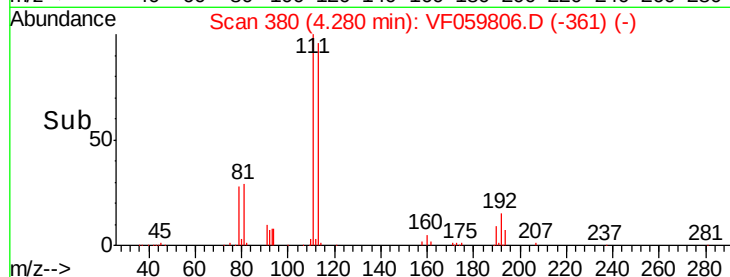
0

4.25

4.30

4.28

Time-->



#39

Methylcyclohexane

Concen: Below Cal

RT: 5.75 min Scan# 529

Delta R.T. 0.13 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

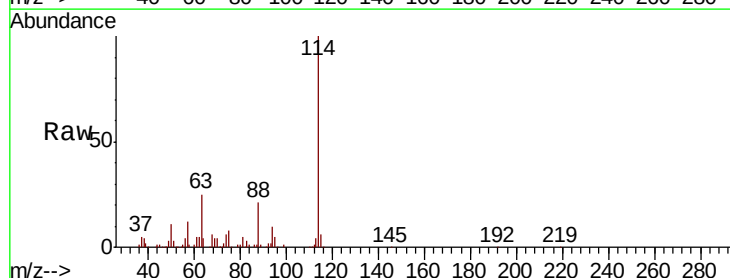
Tgt Ion: 83 Resp: 4625

Ion Ratio Lower Upper

83 100

55 34.4 73.4 110.2#

98 0.0 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

3000

2500

2000

1500

1000

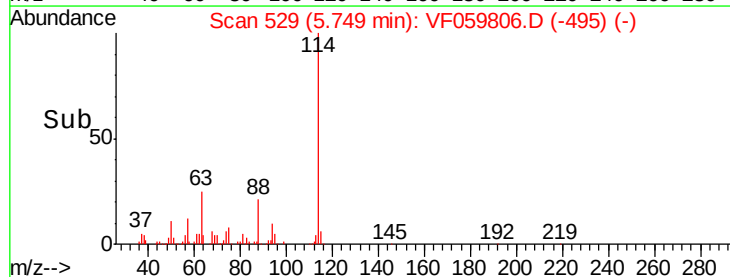
500

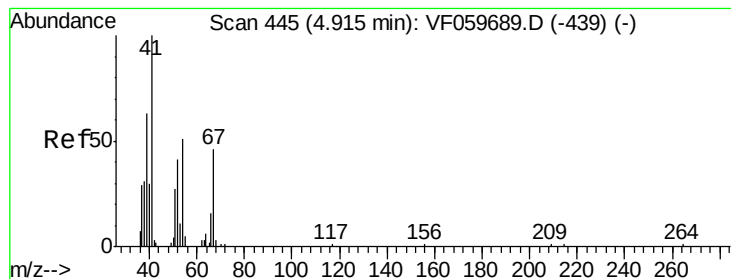
0

5.70

5.75

Time-->





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.94 min Scan# 447

Delta R.T. 0.03 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tot Ion: 41 Resp: 357

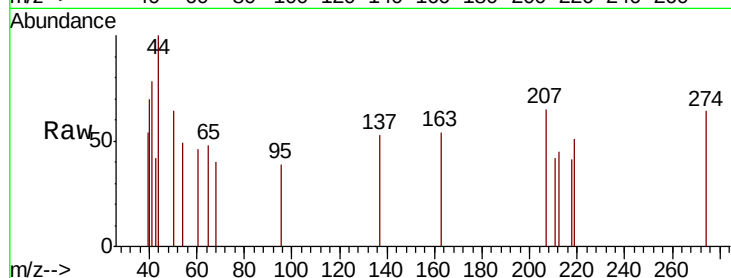
Ion Ratio Lower Upper

41 100

39 69.0 55.2 82.8

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

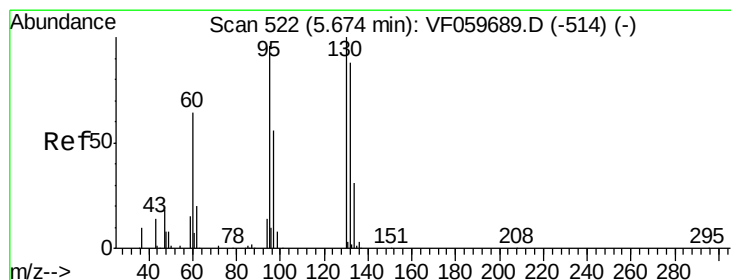
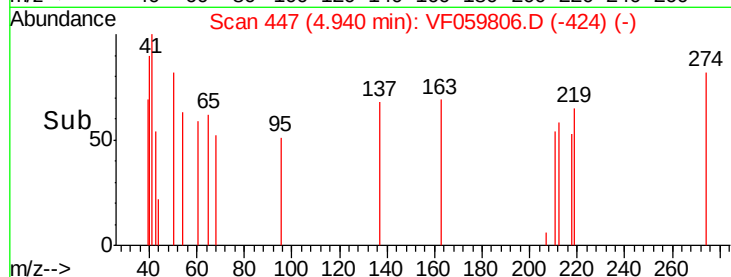
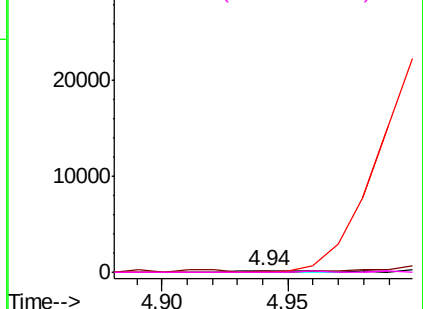


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#44

Trichloroethene

Concen: Below Cal

RT: 5.65 min Scan# 519

Delta R.T. -0.02 min

Lab File: VF059806.D

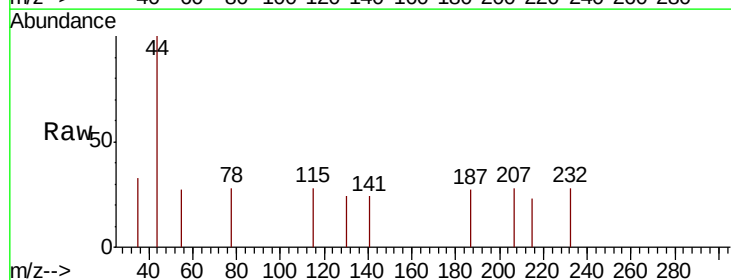
Acq: 2 Aug 2018 17:49

Tgt Ion:130 Resp: 65

Ion Ratio Lower Upper

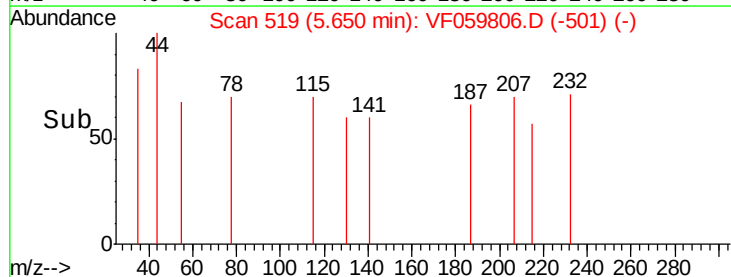
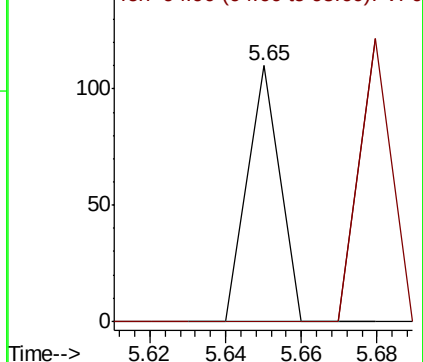
130 100

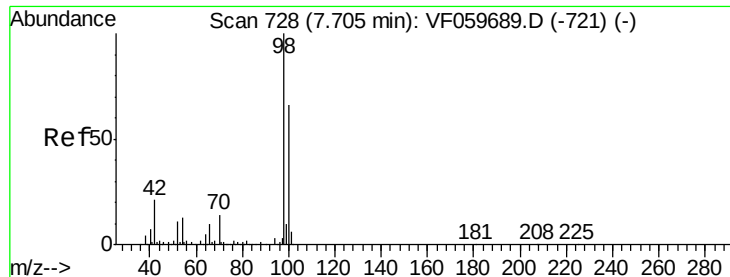
95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

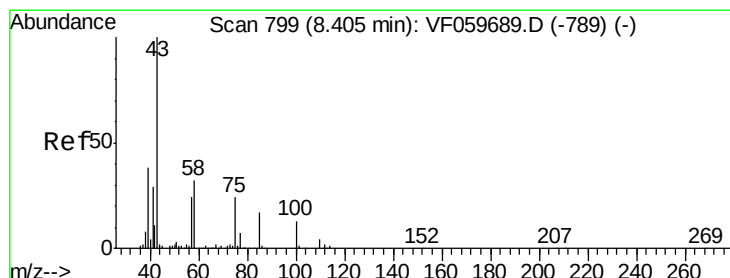
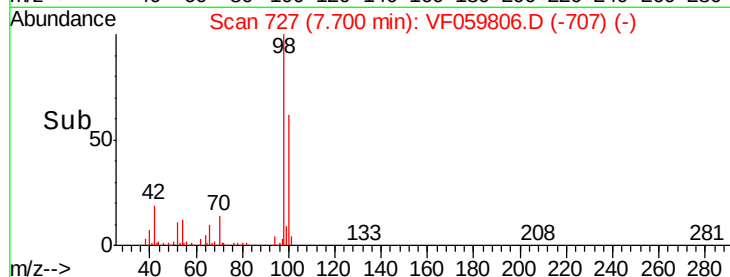
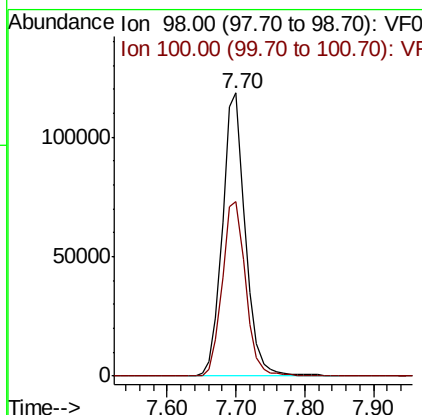
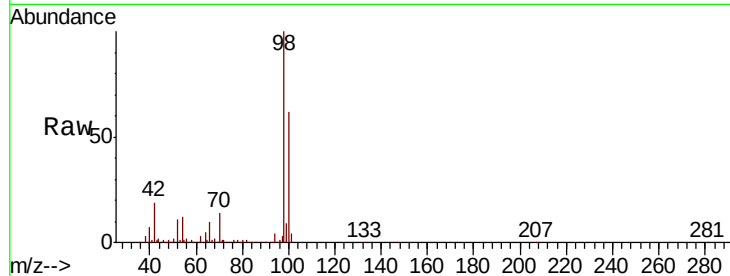




#50
Toluene-d8
Concen: 47.750 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

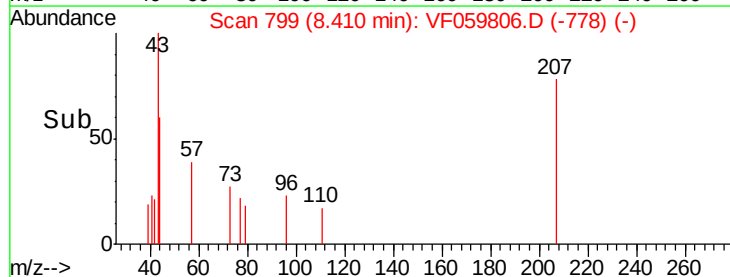
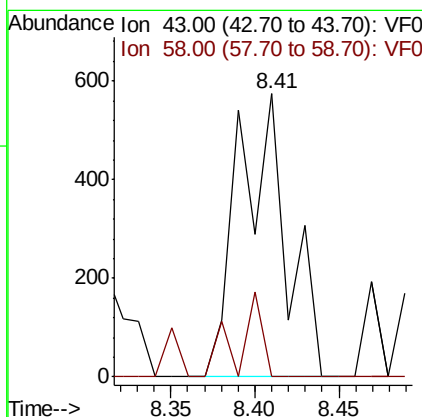
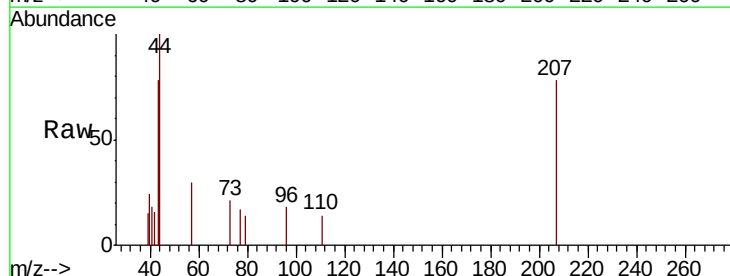
Instrument :
MSVOA_F
ClientSampled :
BFB

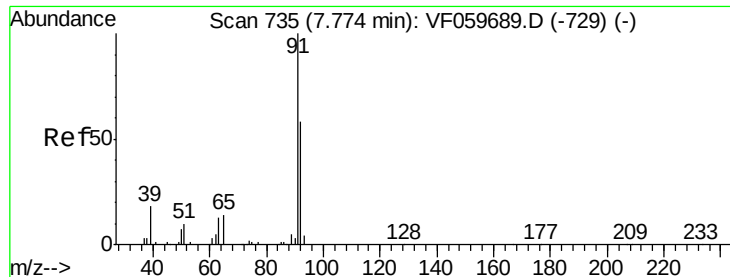
Tot Ion: 98 Resp: 273234
Ion Ratio Lower Upper
98 100
100 61.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#52

Toluene

Concen: Below Cal

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

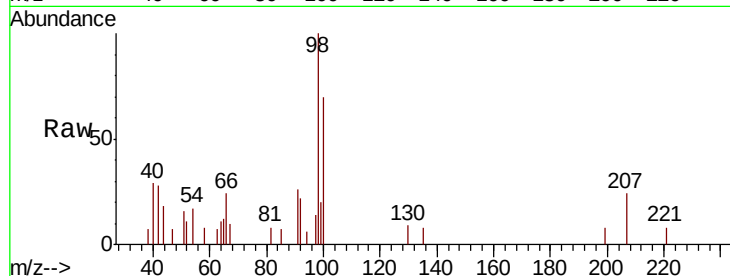
BFB

Tot Ion: 92 Resp: 788

Ion Ratio Lower Upper

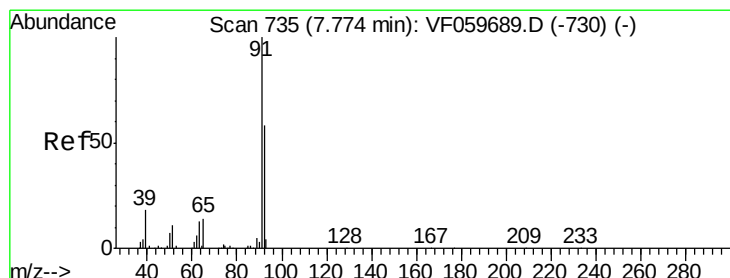
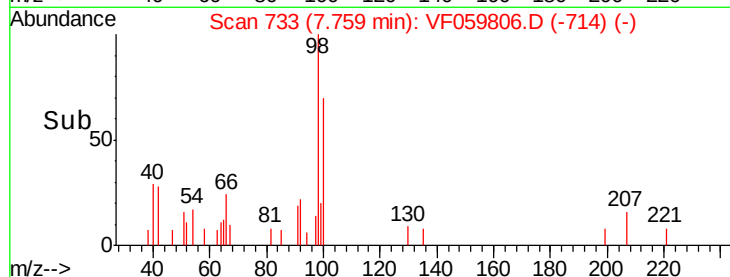
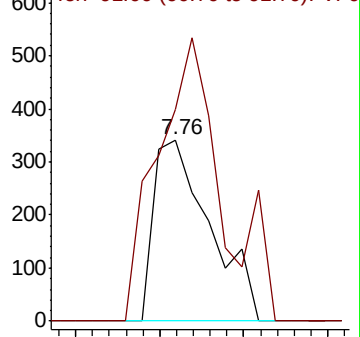
92 100

91 117.3 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.082 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059806.D

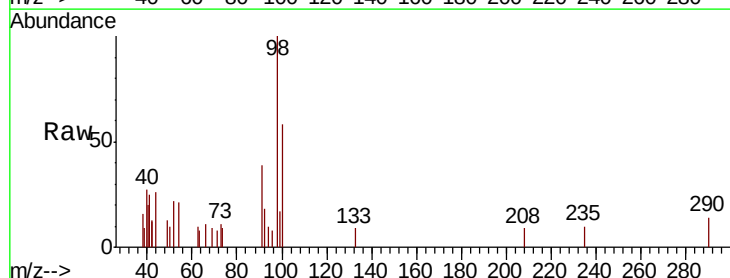
Acq: 2 Aug 2018 17:49

Tgt Ion: 63 Resp: 324

Ion Ratio Lower Upper

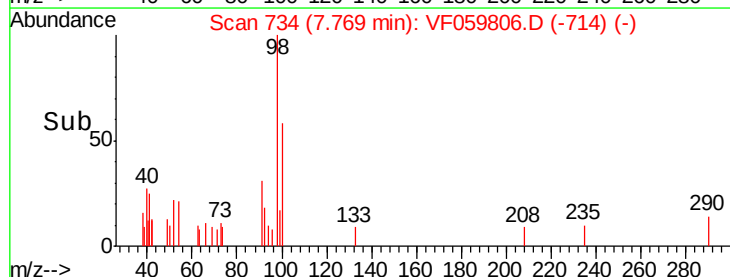
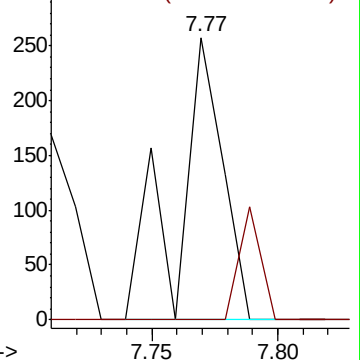
63 100

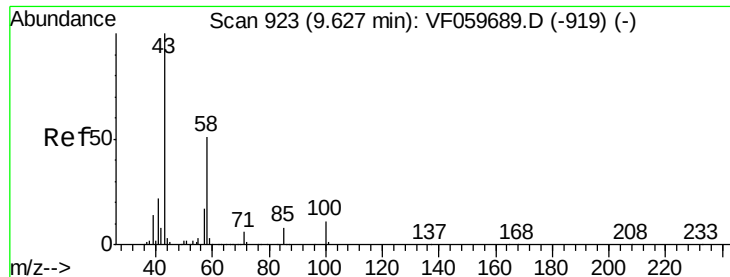
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

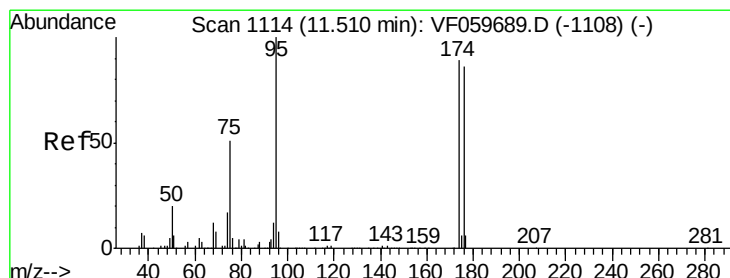
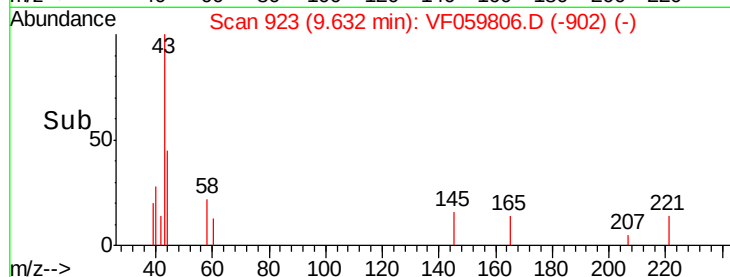
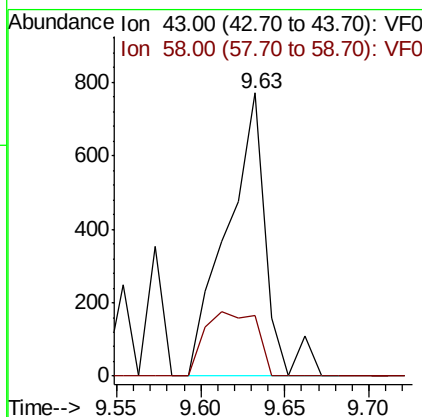
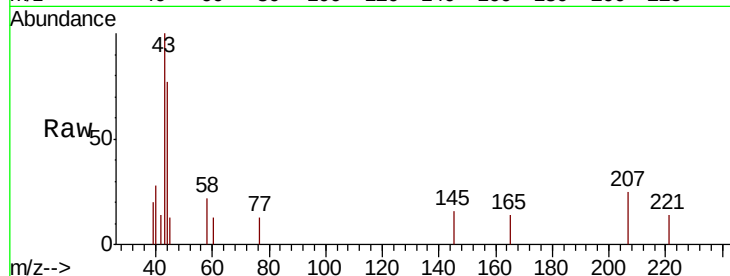




#59
2-Hexanone
Concen: 1.450 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

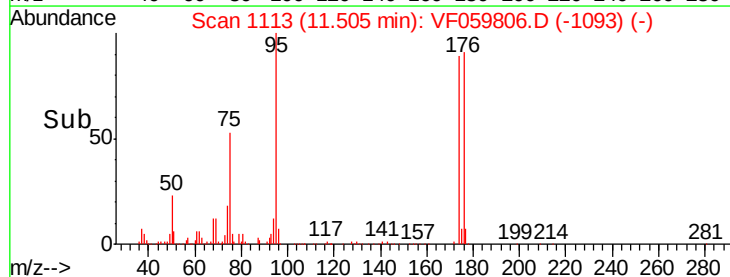
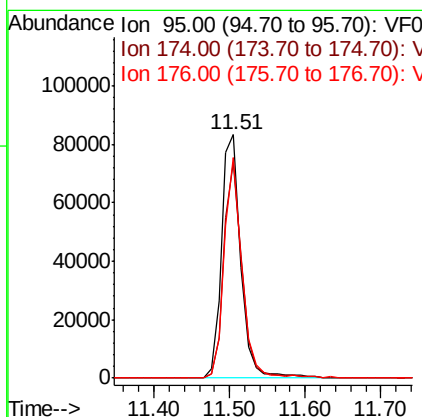
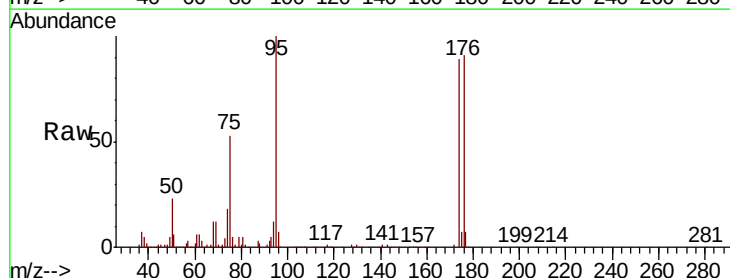
Instrument :
MSVOA_F
ClientSampled :
BFB

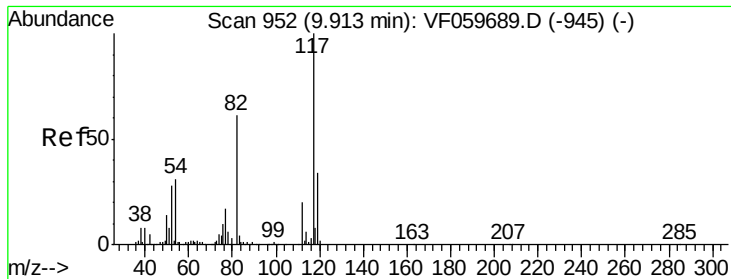
Tot Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
58 21.5 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 47.131 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 95 Resp: 149303
Ion Ratio Lower Upper
95 100
174 88.6 0.0 178.4
176 90.8 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

BFB

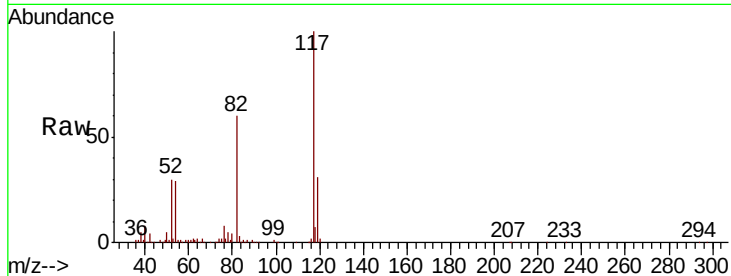
Tot Ion:117 Resp: 235220

Ion Ratio Lower Upper

117 100

82 60.1 49.0 73.4

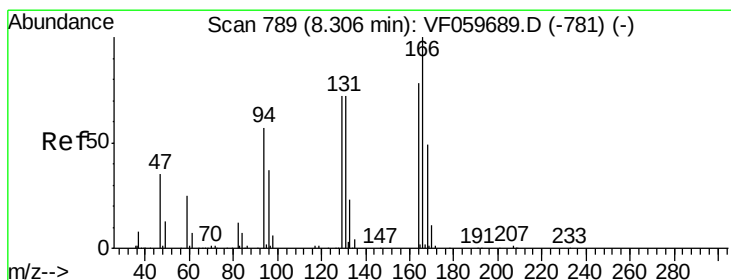
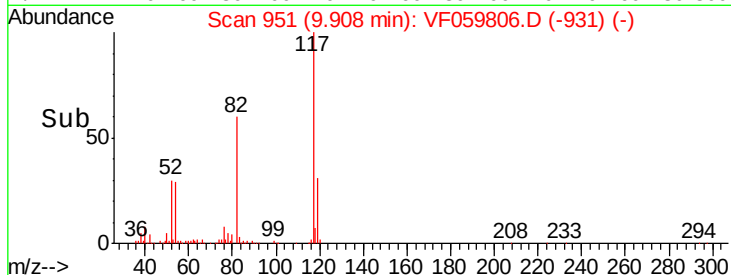
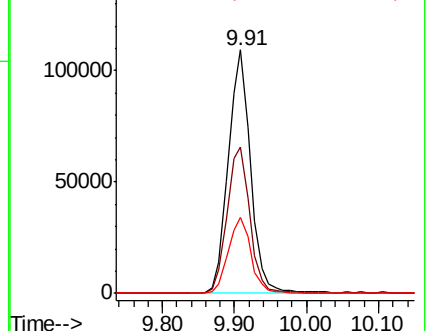
119 31.3 27.3 40.9



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



#64

Tetrachloroethene

Concen: Below Cal

RT: 8.37 min Scan# 795

Delta R.T. 0.06 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Tgt Ion:164 Resp: 72

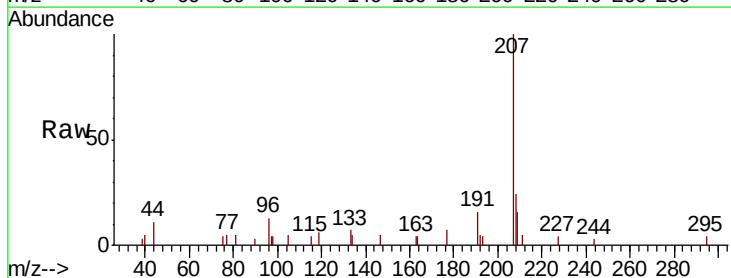
Ion Ratio Lower Upper

164 100

166 0.0 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#

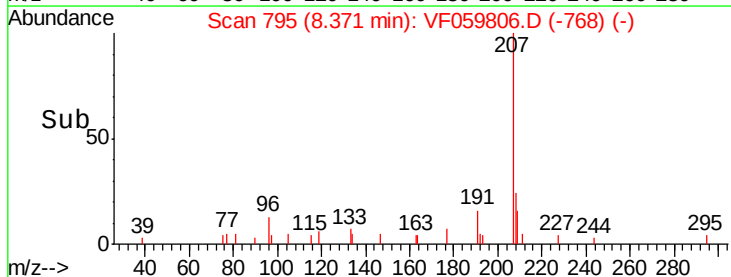
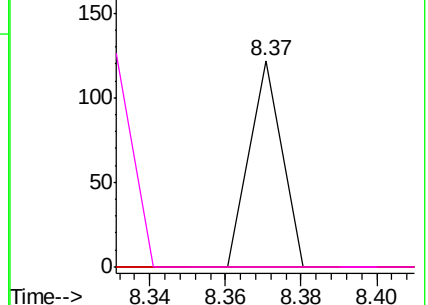


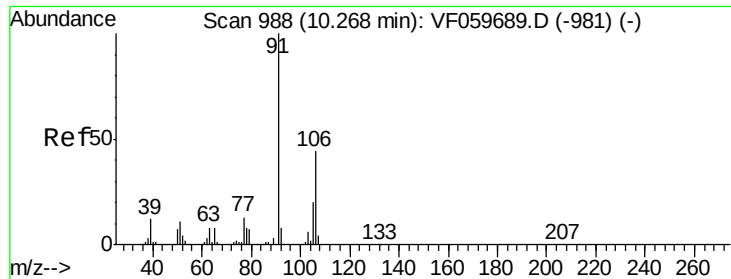
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#68

m/p-Xvlenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

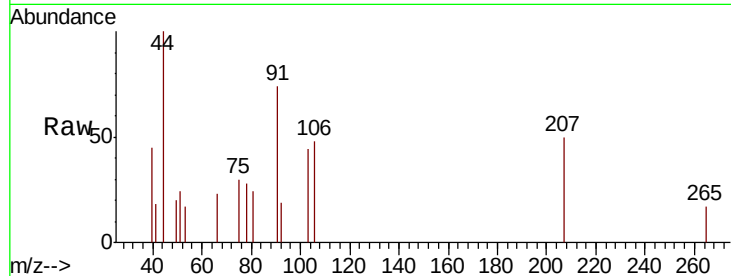
BFB

Tot Ion:106 Resp: 342

Ion Ratio Lower Upper

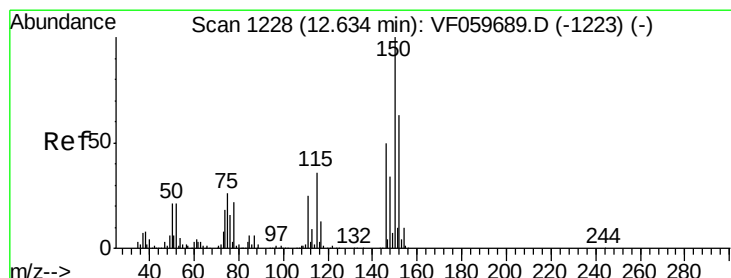
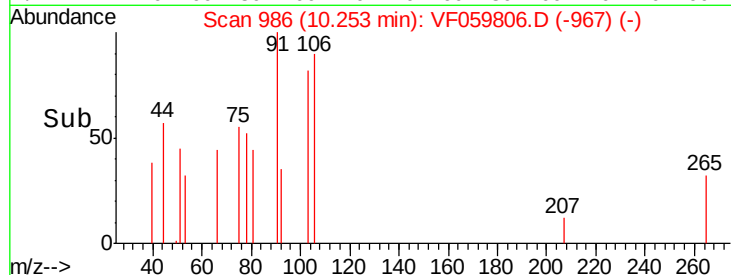
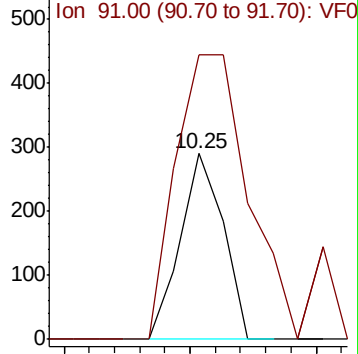
106 100

91 153.1 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

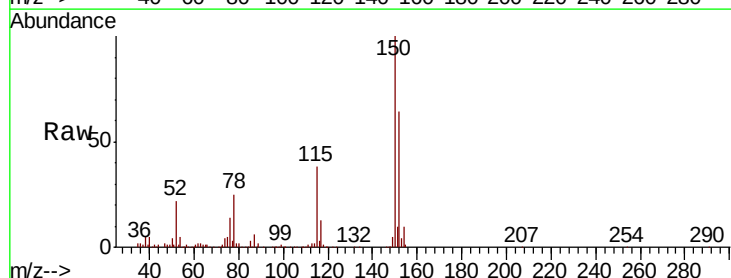
Tgt Ion:152 Resp: 161129

Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.6

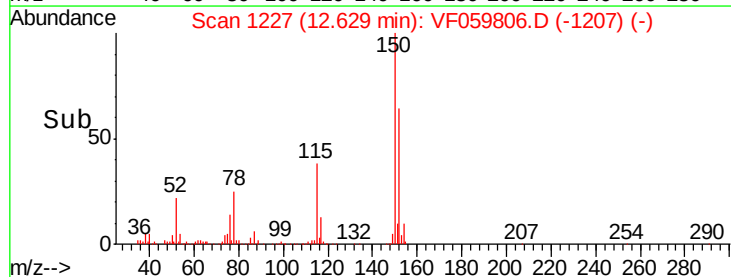
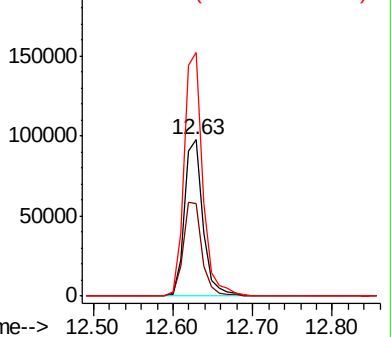
150 155.9 0.0 316.2

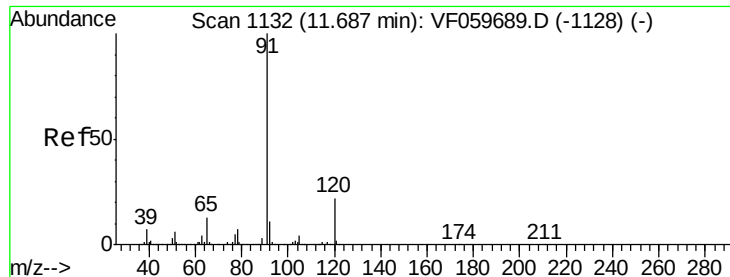


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

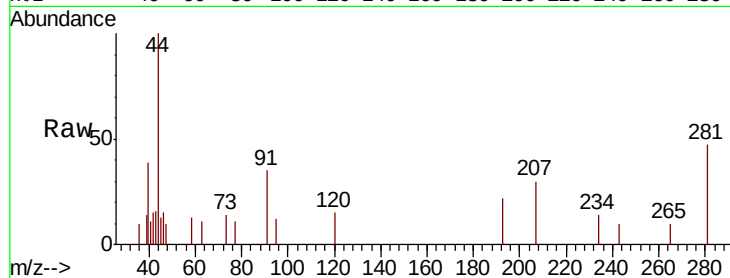
BFB

Tot Ion: 91 Resp: 525

Ion Ratio Lower Upper

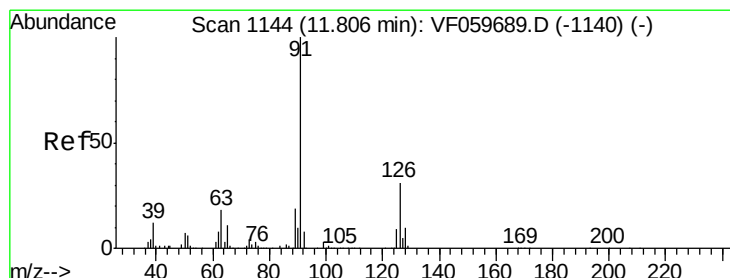
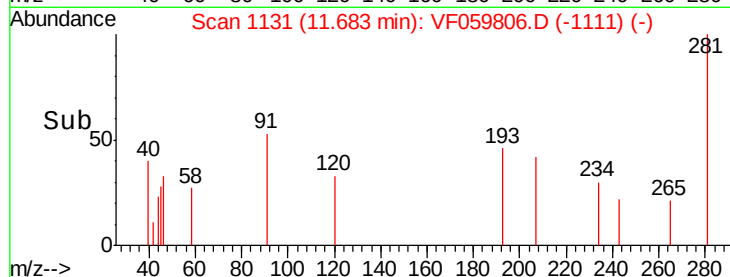
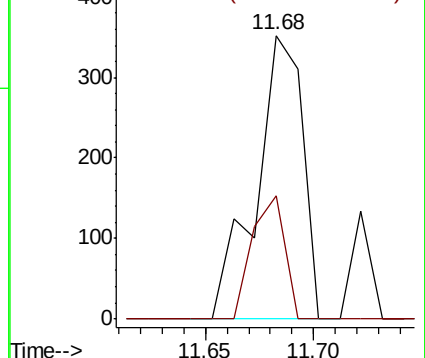
91 100

120 43.5 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059806.D

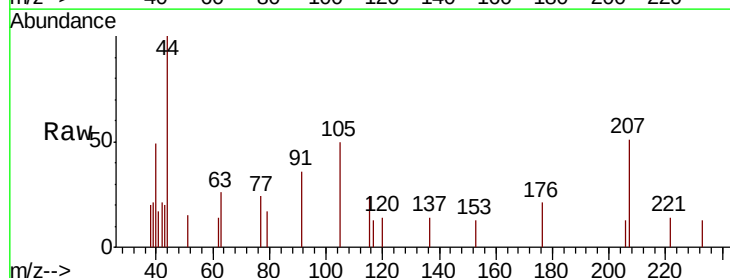
Acq: 2 Aug 2018 17:49

Tgt Ion: 91 Resp: 607

Ion Ratio Lower Upper

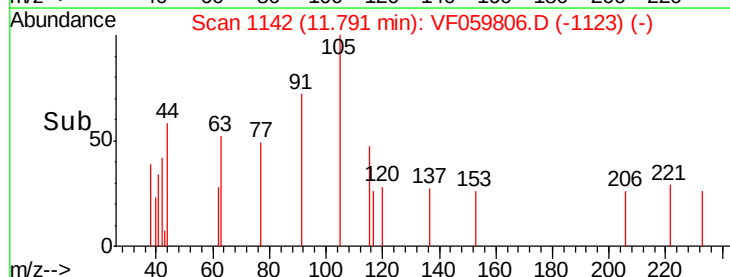
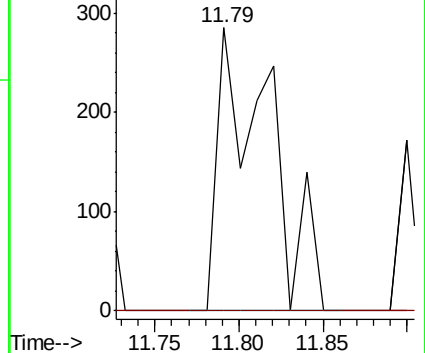
91 100

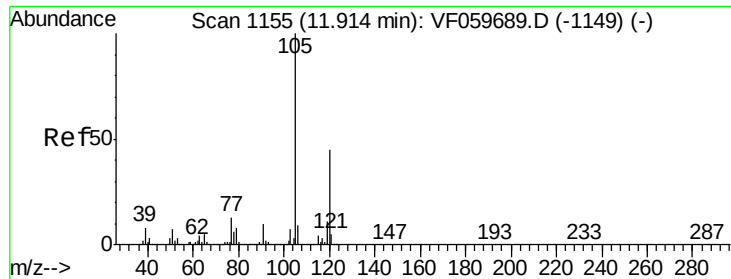
126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

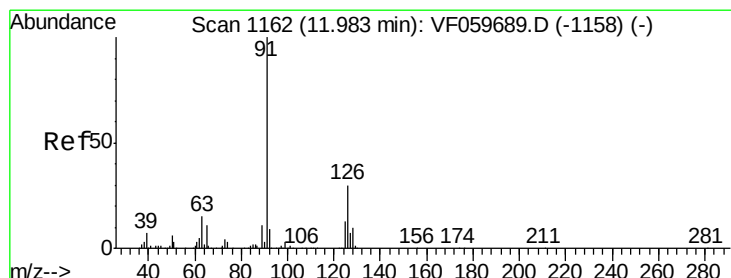
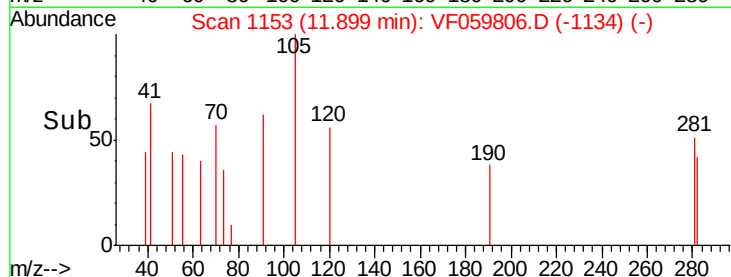
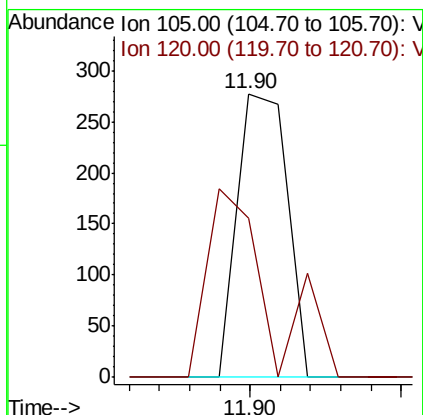
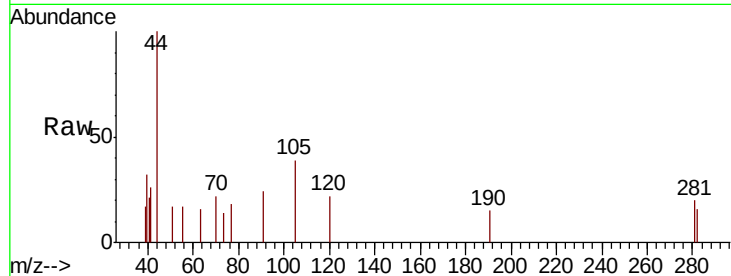




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

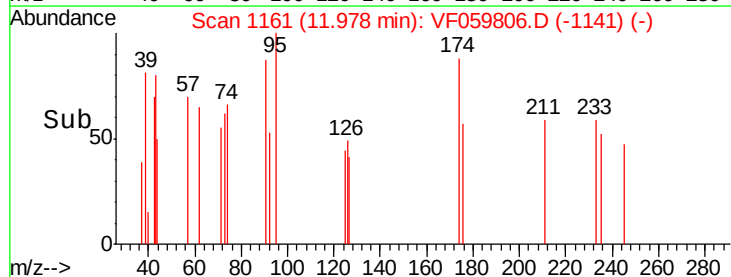
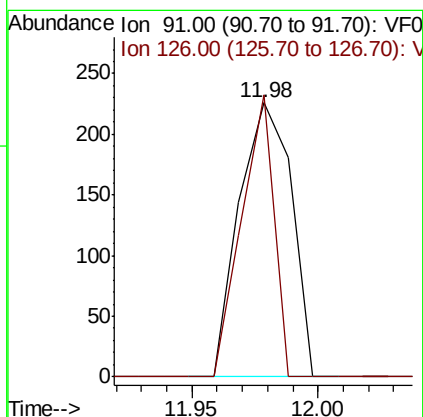
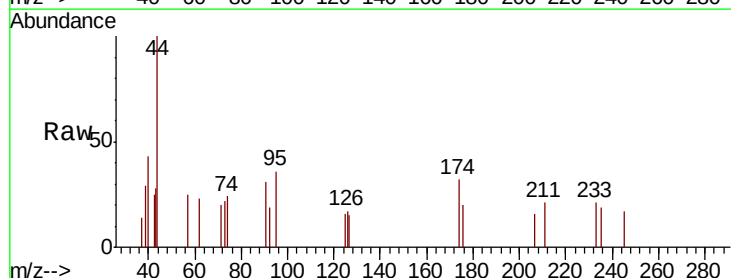
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

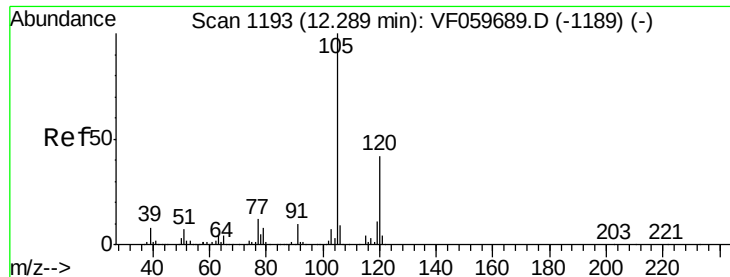
Tot Ion: 105 Resp: 323
 Ion Ratio Lower Upper
 105 100
 120 56.1 22.7 68.0



#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.98 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

Tgt Ion: 91 Resp: 326
 Ion Ratio Lower Upper
 91 100
 126 103.1 15.2 45.6#





#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.28 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampleId :

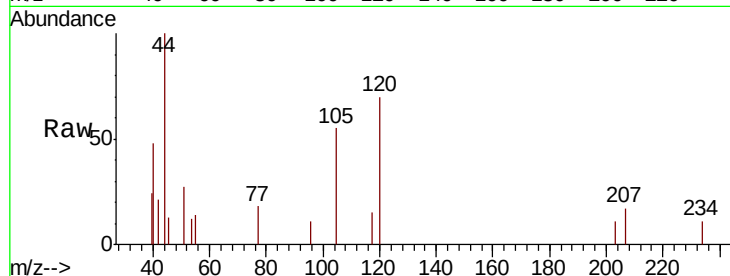
BFB

Tot Ion:105 Resp: 841

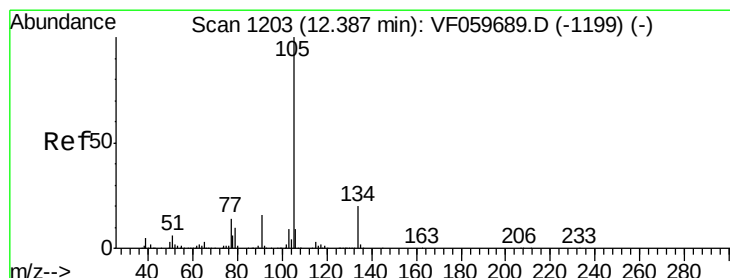
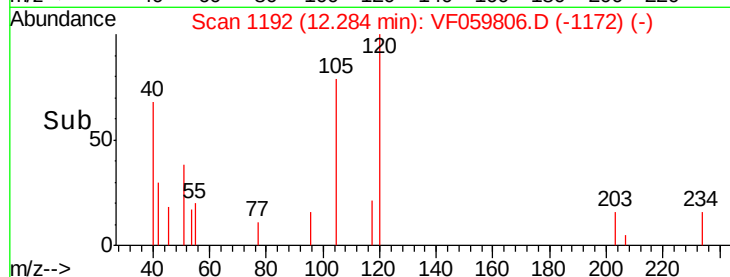
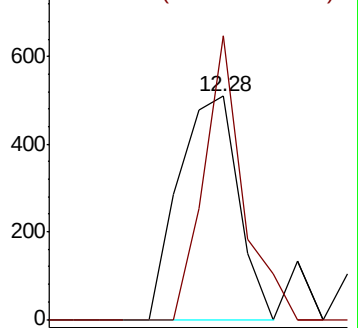
Ion Ratio Lower Upper

105 100

120 127.1 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059806.D

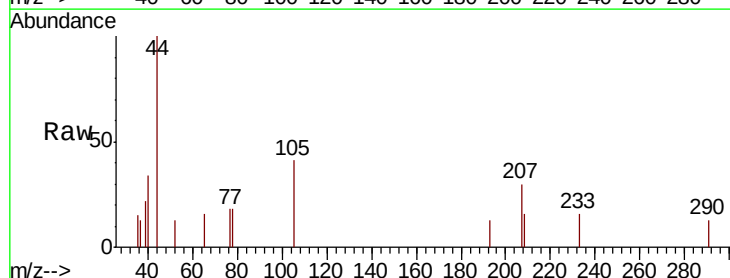
Acq: 2 Aug 2018 17:49

Tgt Ion:105 Resp: 376

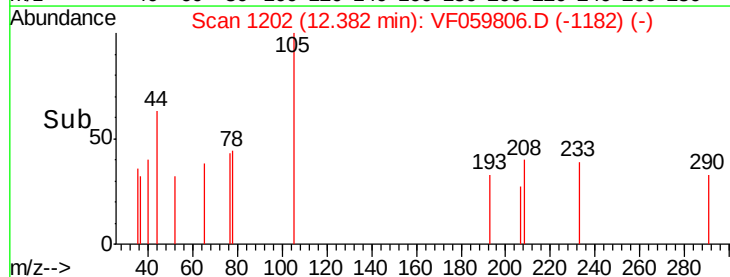
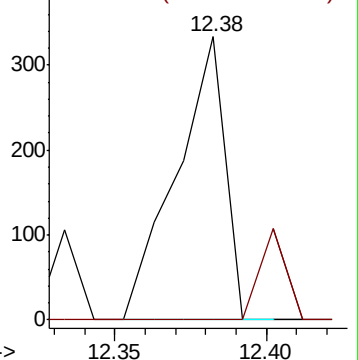
Ion Ratio Lower Upper

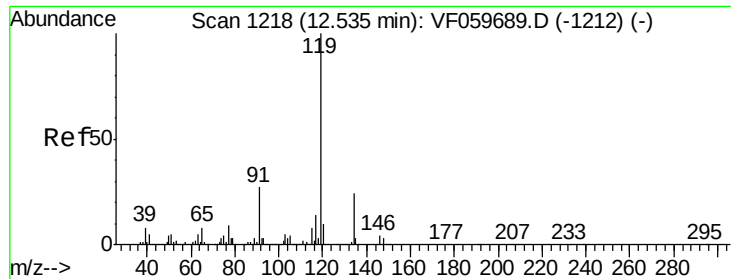
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

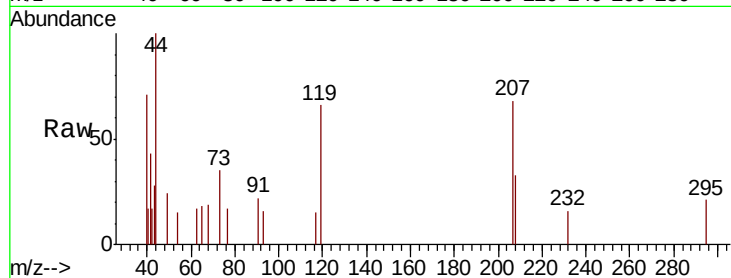




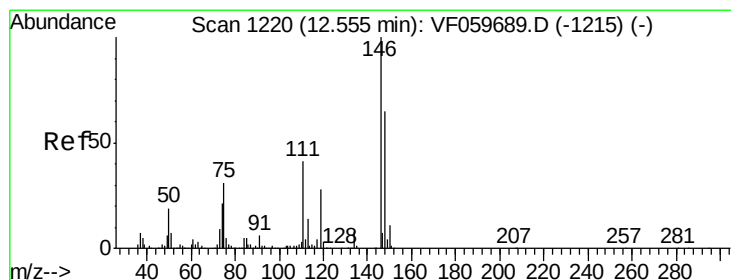
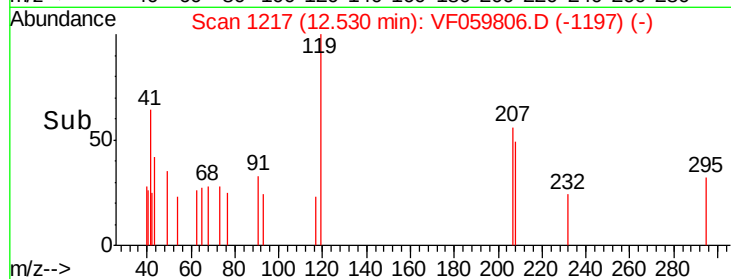
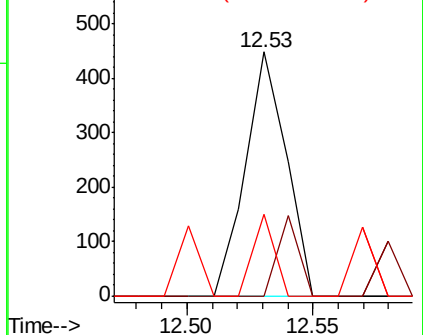
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

Tot Ion:119 Resp: 505
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.2 36.6#
 91 33.5 13.4 40.2

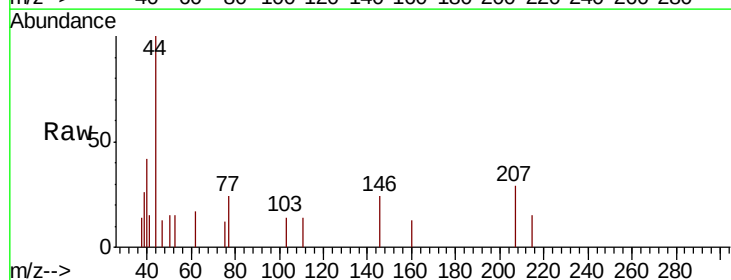


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): VF0

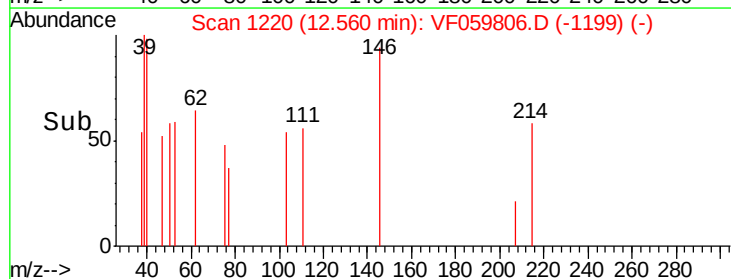
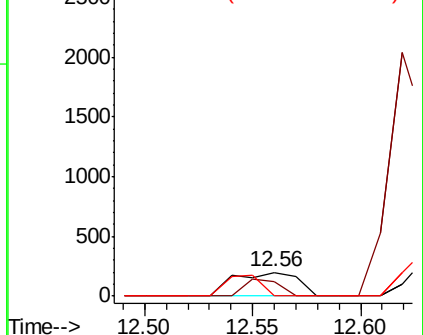


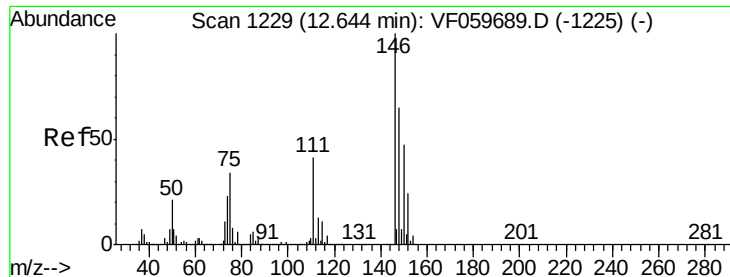
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

Tgt Ion:146 Resp: 409
 Ion Ratio Lower Upper
 146 100
 111 59.3 20.7 62.1
 148 0.0 32.3 96.8#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

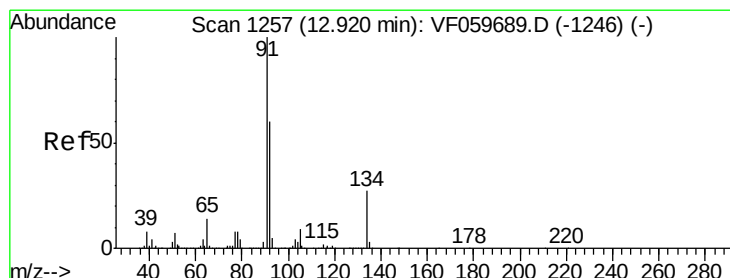
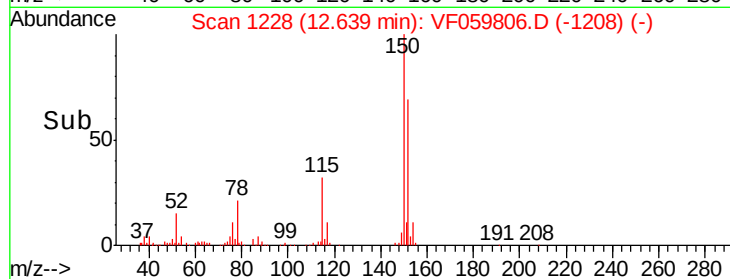
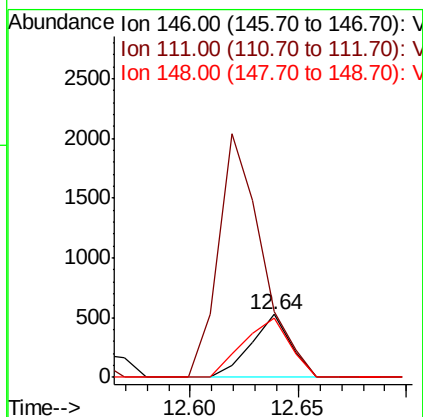
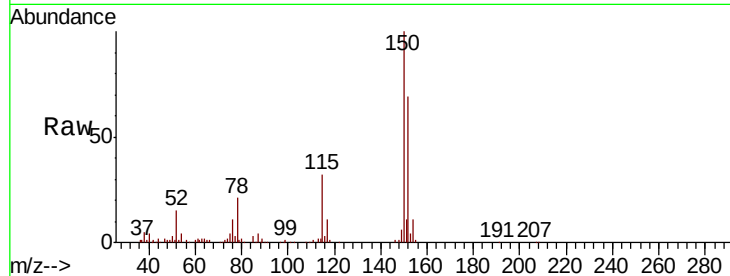




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

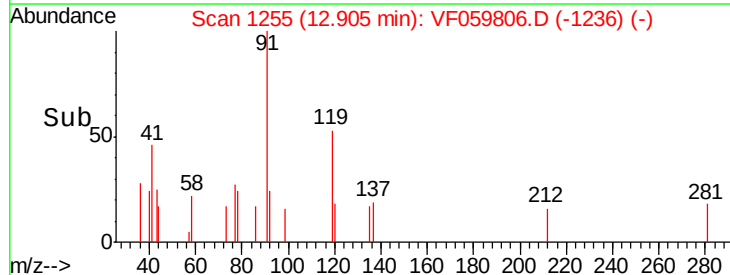
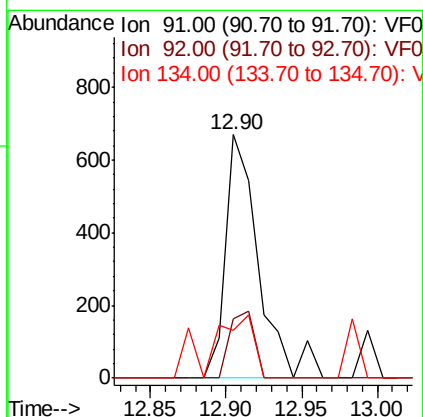
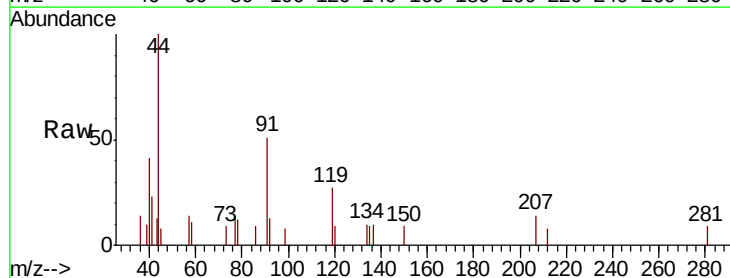
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

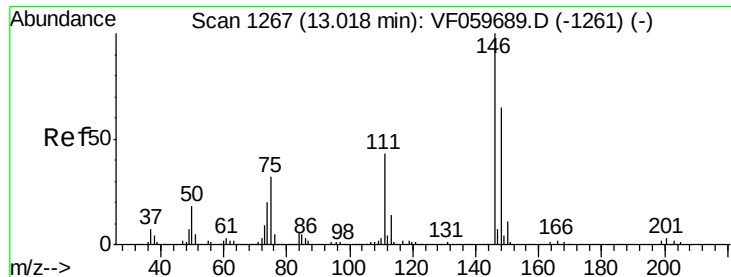
Tot Ion:146 Resp: 667
 Ion Ratio Lower Upper
 146 100
 111 104.4 20.8 62.2#
 148 95.1 32.3 96.9



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.90 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VF059806.D
 Acq: 2 Aug 2018 17:49

Tgt Ion: 91 Resp: 1024
 Ion Ratio Lower Upper
 91 100
 92 24.5 30.1 90.3#
 134 19.9 13.7 41.0





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_F

ClientSampled :

BFB

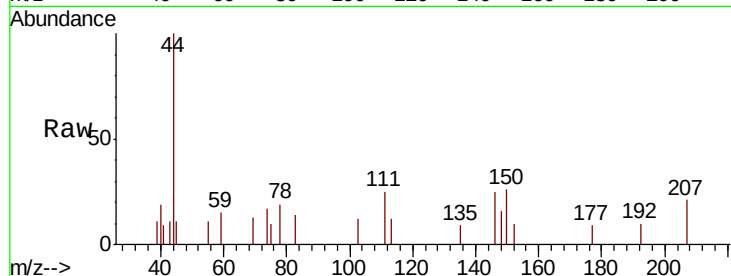
Tot Ion:146 Resp: 390

Ion Ratio Lower Upper

146 100

111 100.3 21.6 65.0#

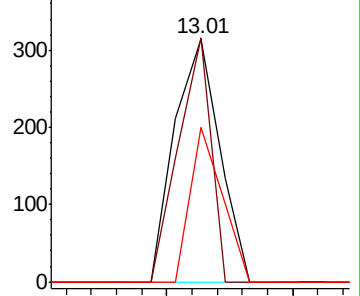
148 63.5 32.3 96.9



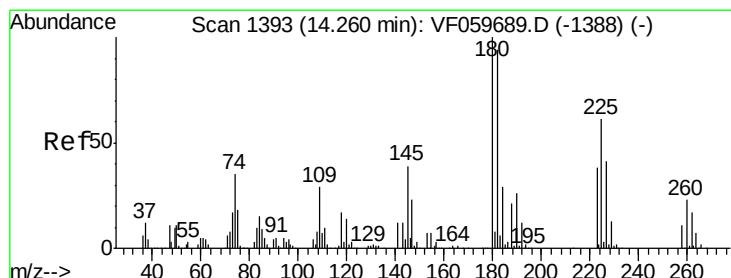
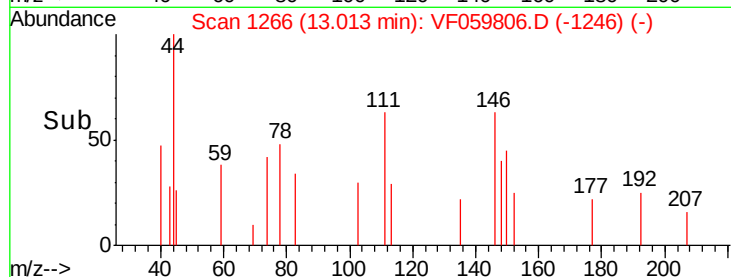
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VF059806.D

Acq: 2 Aug 2018 17:49

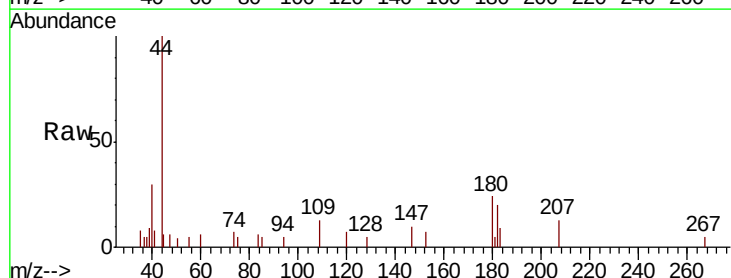
Tgt Ion:180 Resp: 949

Ion Ratio Lower Upper

180 100

182 83.3 47.2 141.6

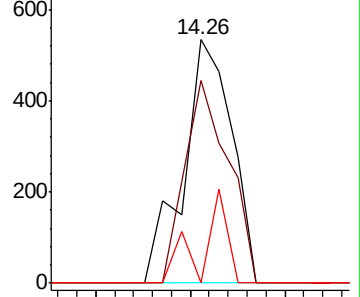
145 0.0 19.3 57.9#



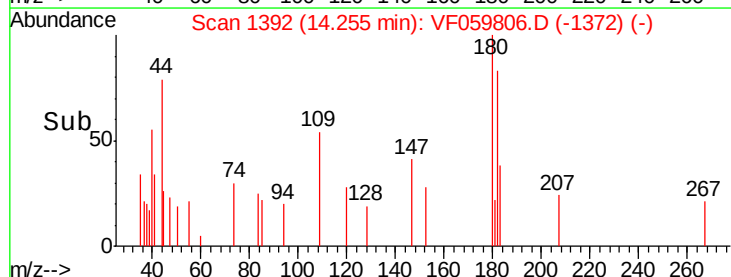
Abundance Ion 180.00 (179.70 to 180.70): V

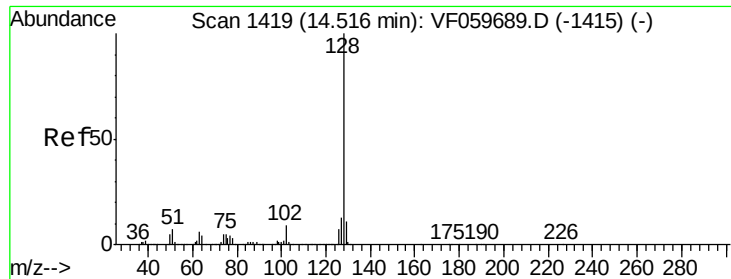
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->





#95
Naphthalene
Concen: 10.805 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF059806.D
Acq: 2 Aug 2018 17:49

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tot Ion:128 Resp: 75063
Ion Ratio Lower Upper
128 100
127 11.6 10.0 15.0
129 10.4 8.6 13.0

