

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060105.D
 Acq On : 24 Aug 2018 17:39
 Operator : VA/AP
 Sample : J4607-02
 Misc : 10.68g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SAHARA-BPM

Quant Time: Aug 25 03:46:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	163905	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	240440	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	282832	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	167872	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	92983	41.45	ug/l	-0.02
Spiked Amount			Recovery	=	82.90%	
35) Dibromofluoromethane	4.28	113	92154	48.81	ug/l	-0.02
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	7.70	98	238631	44.50	ug/l	-0.02
Spiked Amount			Recovery	=	89.00%	
62) 4-Bromofluorobenzene	11.50	95	128895	45.44	ug/l	-0.01
Spiked Amount			Recovery	=	90.88%	

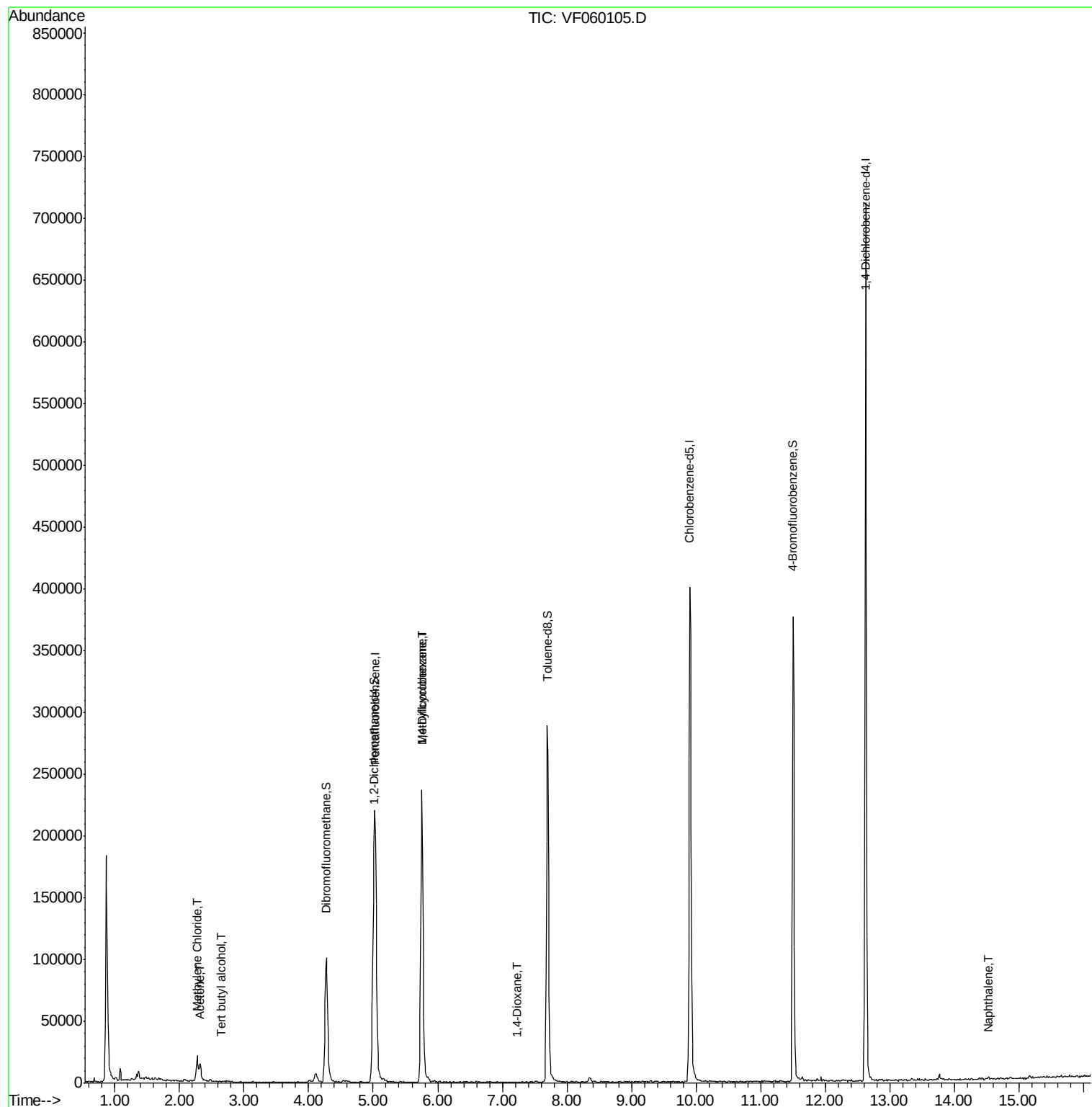
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1211	Below Cal	#	75
11) Tert butyl alcohol	2.63	59	146	1.22	ug/l #	80
16) Acetone	2.32	43	16038	27.20	ug/l #	92
18) Methyl Acetate	2.43	43	497	Below Cal	#	60
20) Methylene Chloride	2.27	84	10363	4.23	ug/l	85
39) Methylcyclohexane	5.75	83	3964	1.87	ug/l #	36
49) 1,4-Dioxane	7.22	88	92	8.52	ug/l #	18
52) Toluene	7.77	92	571	Below Cal	#	41
68) m/p-Xylenes	10.26	106	73	Below Cal		87
95) Naphthalene	14.53	128	221	2.32	ug/l #	69

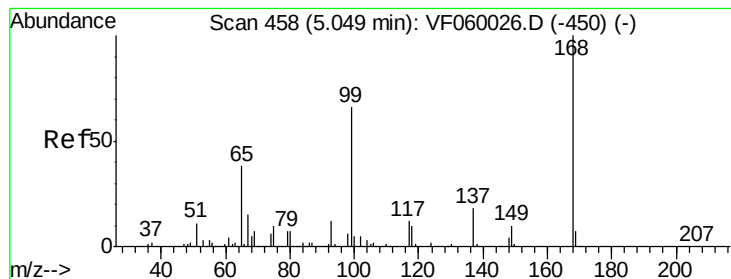
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

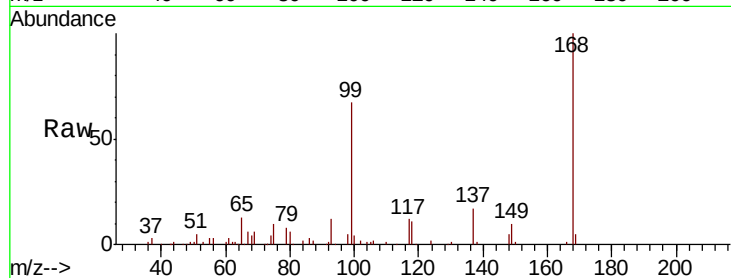
SAHARA-BPM

Tot Ion:168 Resp: 163905

Ion Ratio Lower Upper

168 100

99 66.7 52.6 79.0



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

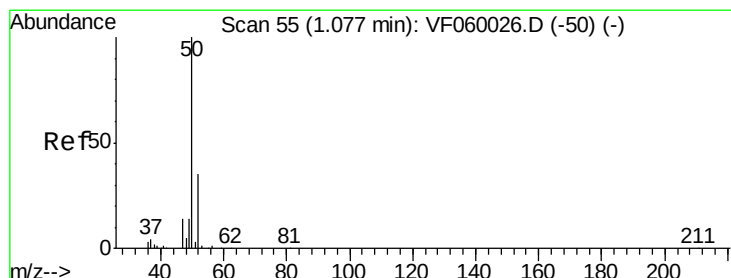
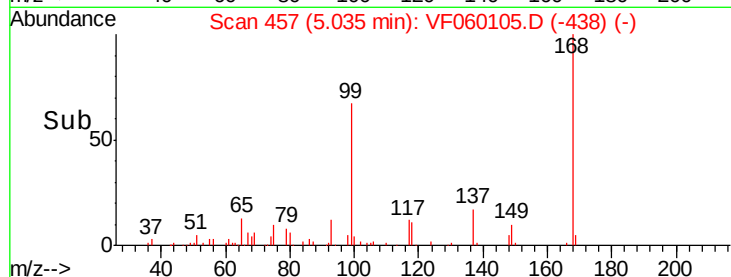
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060105.D

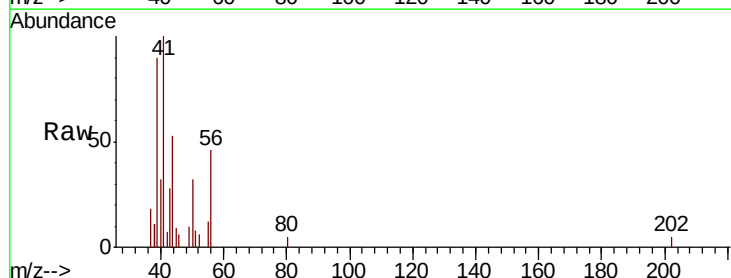
Acq: 24 Aug 2018 17:39

Tgt Ion: 50 Resp: 1211

Ion Ratio Lower Upper

50 100

52 20.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

800

600

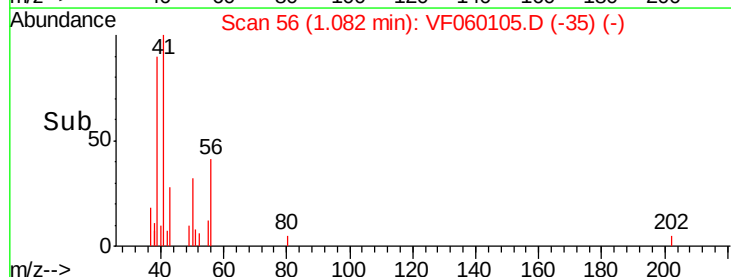
400

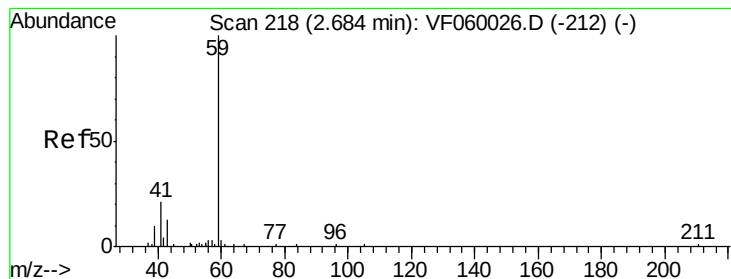
200

0

Time-->

1.00 1.05 1.10 1.15





#11

Tert butyl alcohol

Concen: 1.22 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.05 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

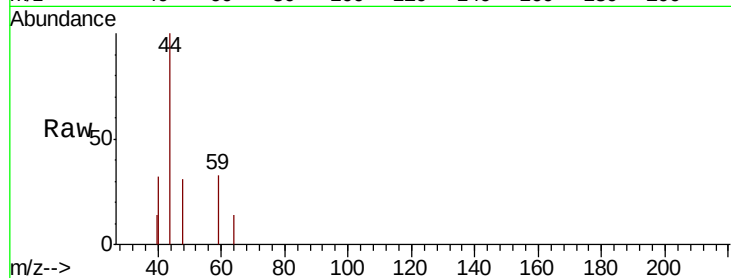
SAHARA-BPM

Tot Ion: 59 Resp: 146

Ion Ratio Lower Upper

59 100

57 0.0 5.4 8.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.63

250

200

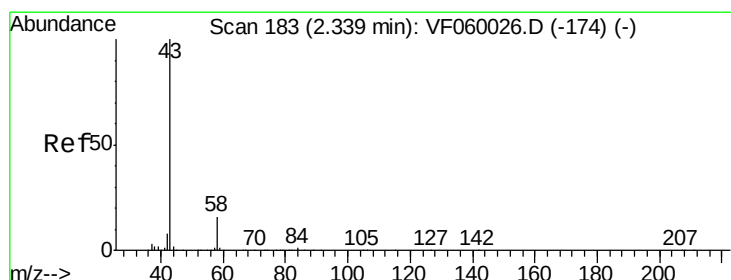
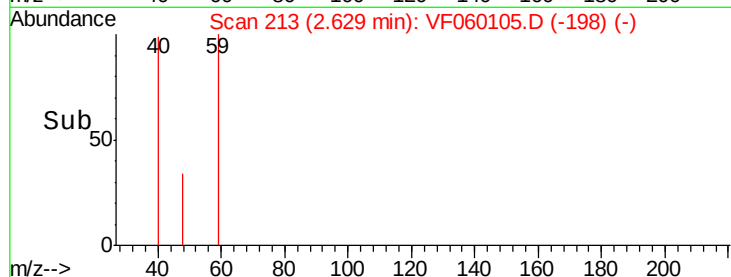
150

100

50

0

Time-->



#16

Acetone

Concen: 27.20 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060105.D

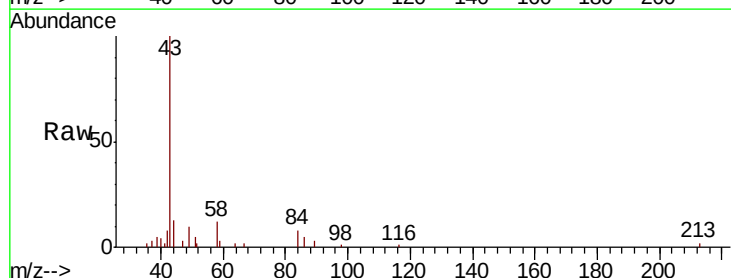
Acq: 24 Aug 2018 17:39

Tgt Ion: 43 Resp: 16038

Ion Ratio Lower Upper

43 100

58 12.3 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

8000

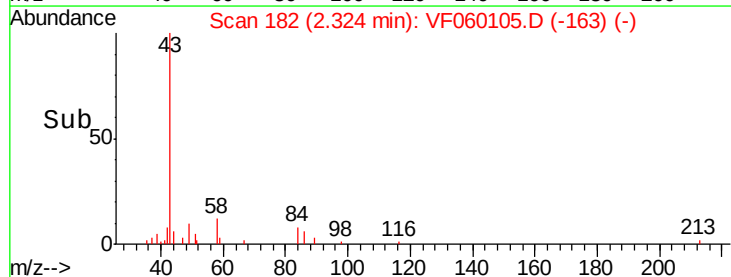
6000

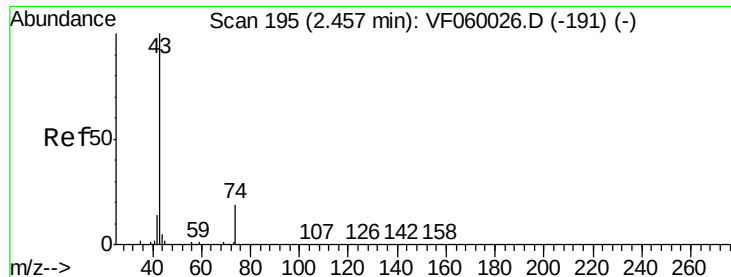
4000

2000

0

Time-->

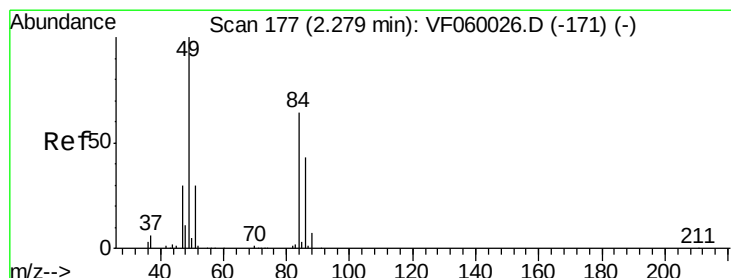
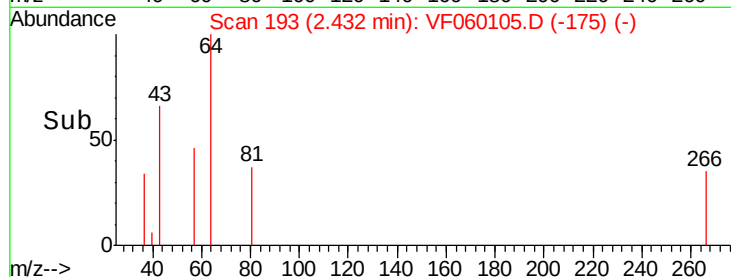
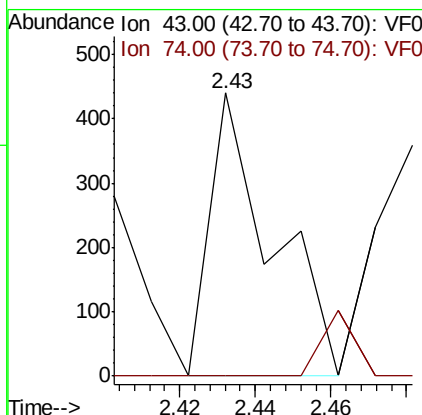
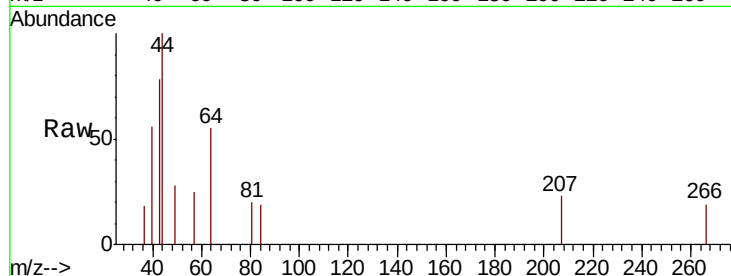




#18
Methvl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF060105.D
Acq: 24 Aug 2018 17:39

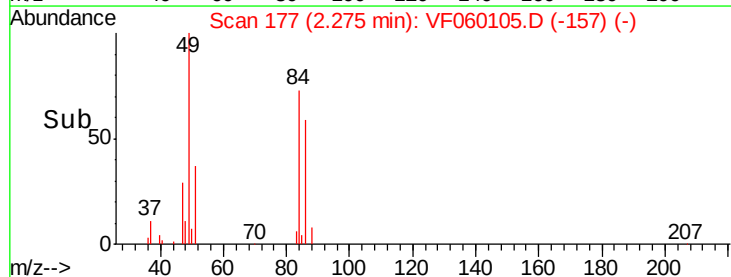
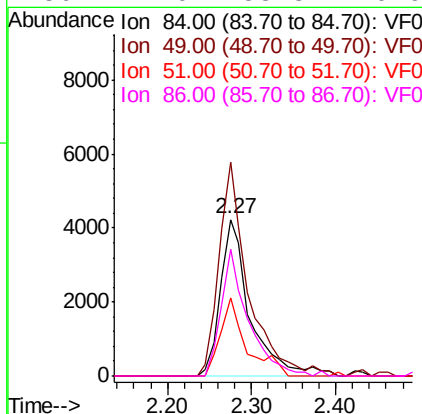
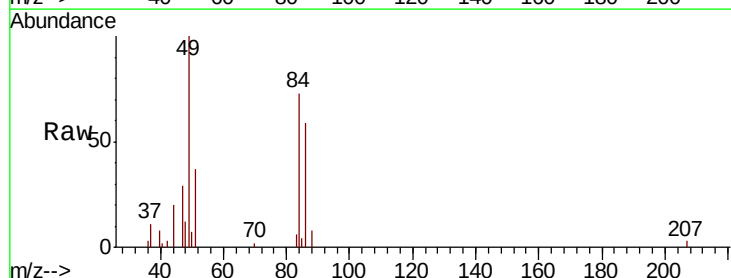
Instrument :
MSVOA_F
ClientSampleId :
SAHARA-BPM

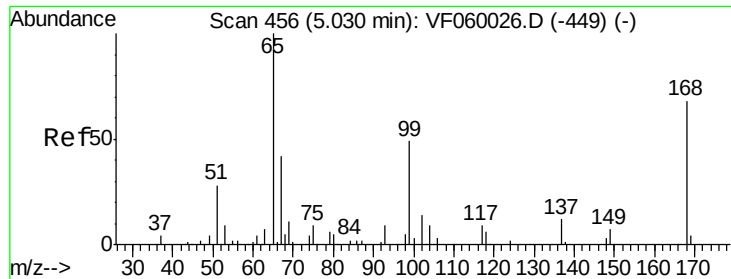
Tot Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 4.23 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060105.D
Acq: 24 Aug 2018 17:39

Tgt Ion: 84 Resp: 10363
Ion Ratio Lower Upper
84 100
49 129.9 125.4 188.0
51 47.5 38.3 57.5
86 77.0 53.3 79.9

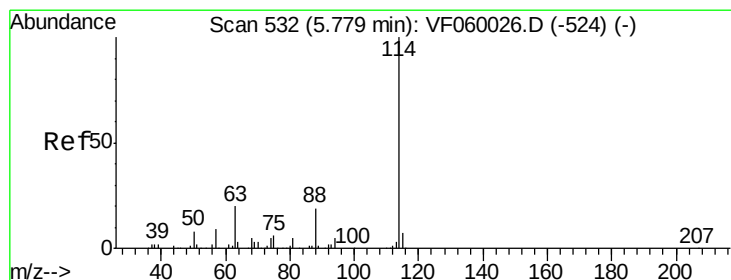
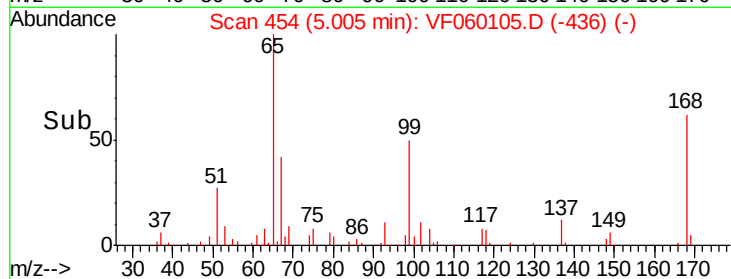
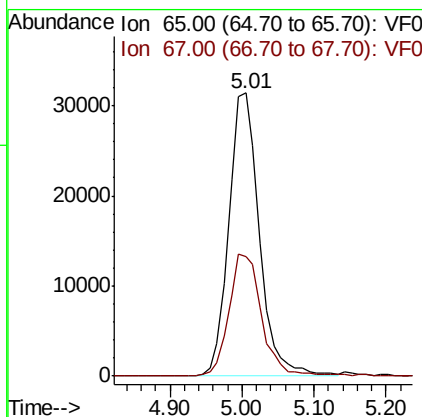
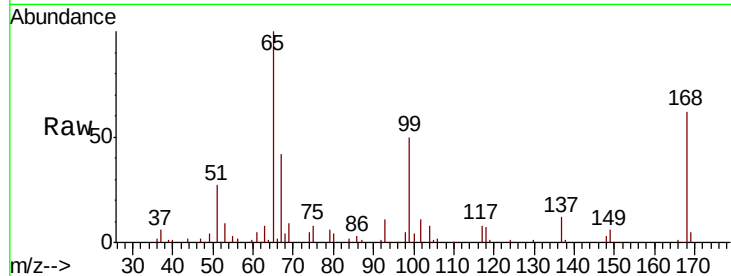




#33
 1,2-Dichloroethane-d4
 Concen: 41.45 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060105.D
 Acq: 24 Aug 2018 17:39

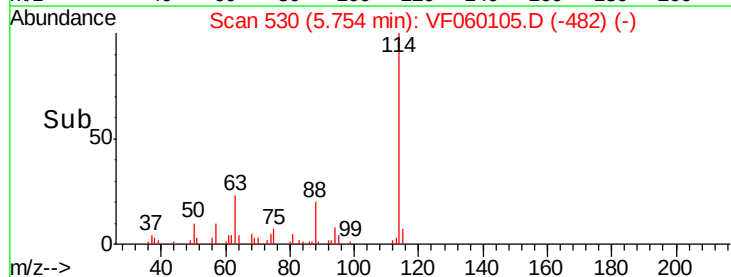
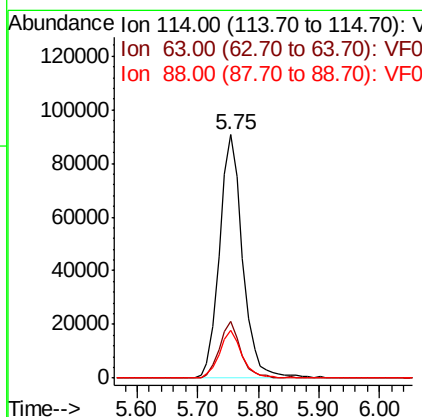
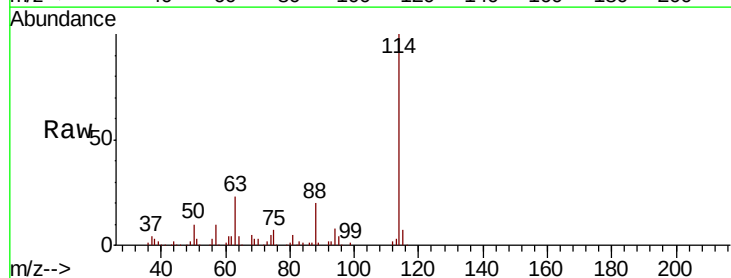
Instrument :
 MSVOA_F
 ClientSampleId :
 SAHARA-BPM

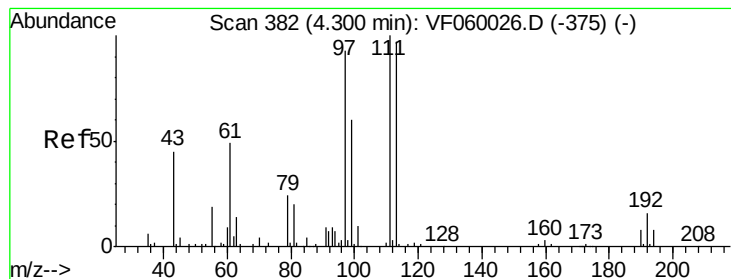
Tot Ion: 65 Resp: 92983
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060105.D
 Acq: 24 Aug 2018 17:39

Tgt Ion: 114 Resp: 240440
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 40.4
 88 19.6 0.0 38.6





#35

Dibromofluoromethane

Concen: 48.81 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

SAHARA-BPM

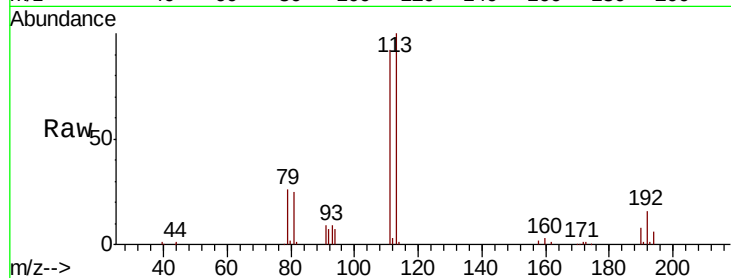
Tot Ion:113 Resp: 92154

Ion Ratio Lower Upper

113 100

111 92.0 82.7 124.1

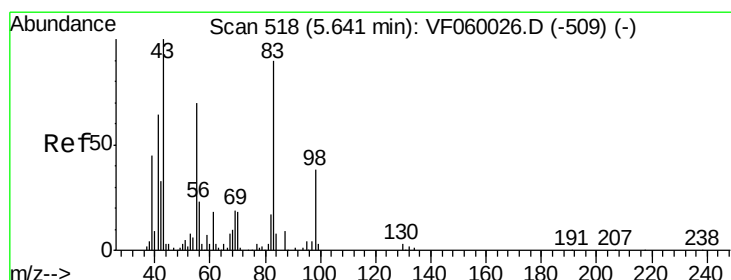
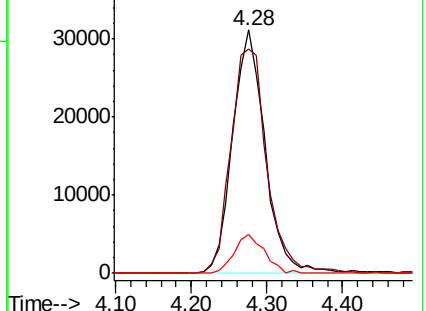
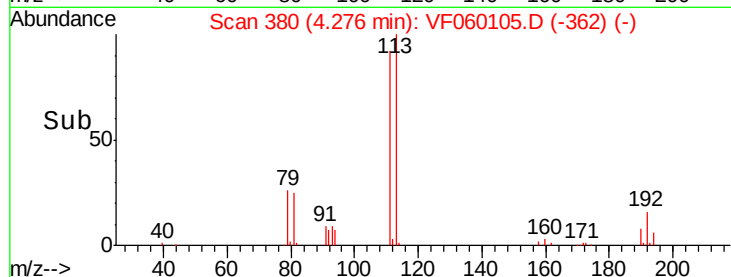
192 16.2 13.0 19.4



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



#39

Methylcyclohexane

Concen: 1.87 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.11 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

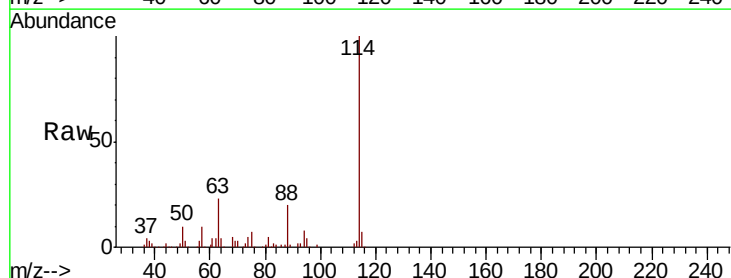
Tgt Ion: 83 Resp: 3964

Ion Ratio Lower Upper

83 100

55 24.4 62.7 94.1#

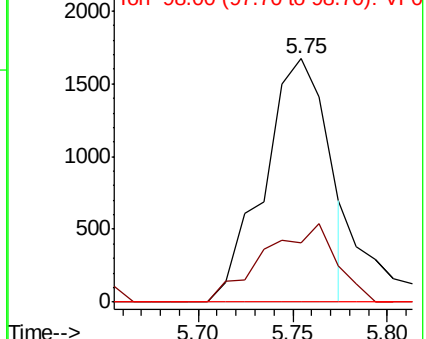
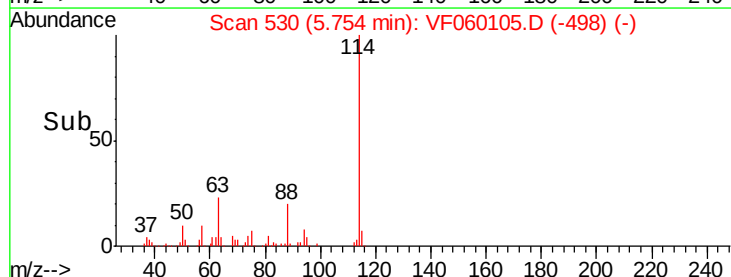
98 0.0 33.8 50.8#

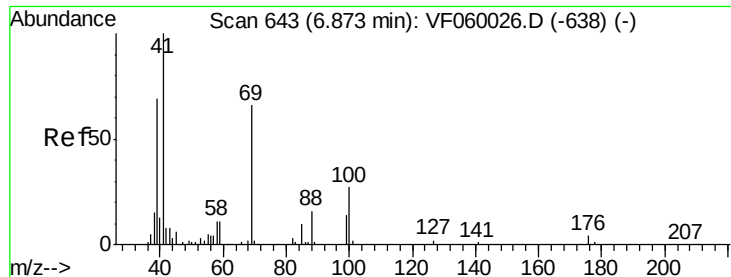


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 8.52 ug/l

RT: 7.22 min Scan# 679

Delta R.T. 0.35 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

SAHARA-BPM

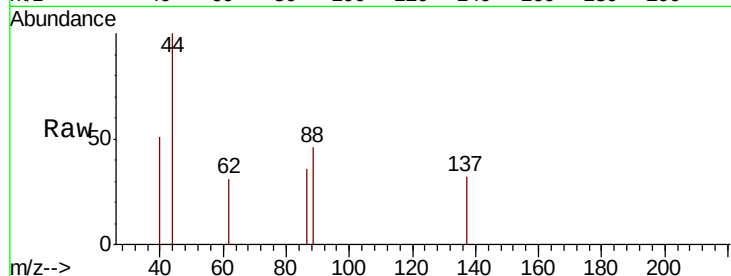
Tot Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 0.0 46.5 69.7#

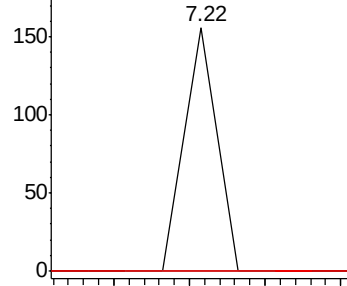
58 0.0 54.8 82.2#



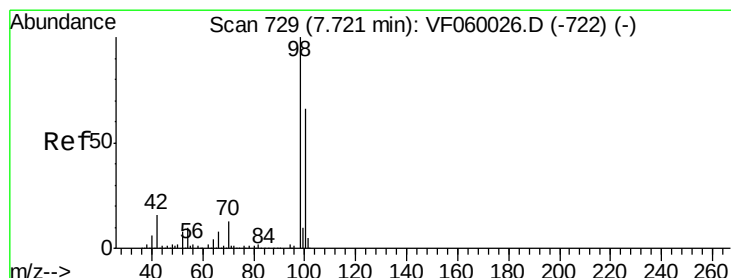
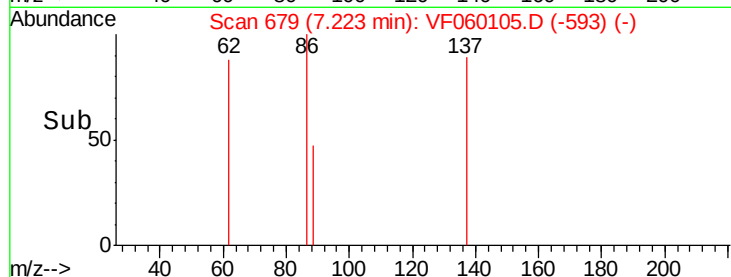
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 44.50 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060105.D

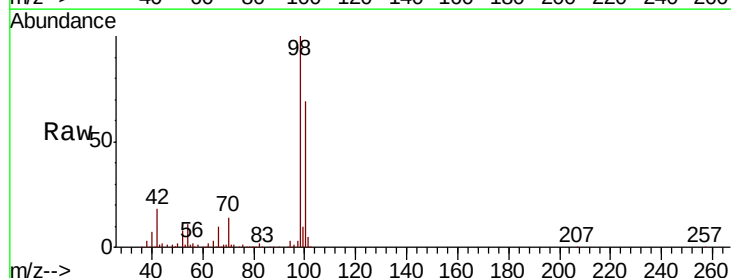
Acq: 24 Aug 2018 17:39

Tgt Ion: 98 Resp: 238631

Ion Ratio Lower Upper

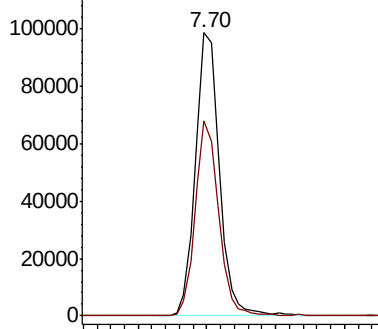
98 100

100 69.0 53.2 79.8

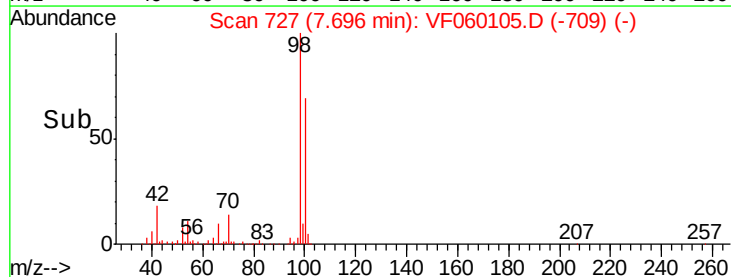


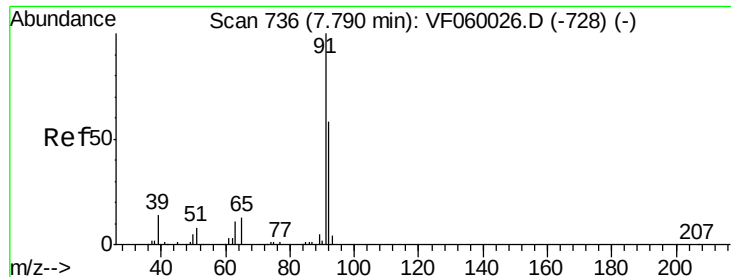
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

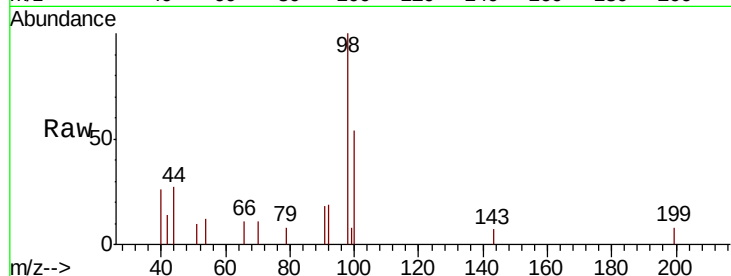
SAHARA-BPM

Tot Ion: 92 Resp: 571

Ion Ratio Lower Upper

92 100

91 91.1 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

250

200

150

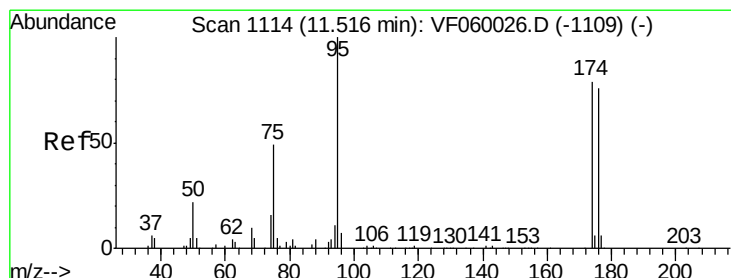
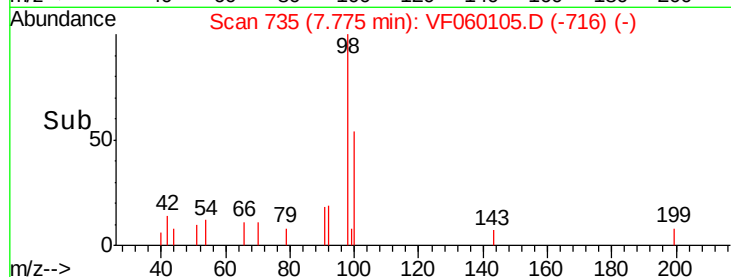
100

50

0

7.70 7.75 7.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.44 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

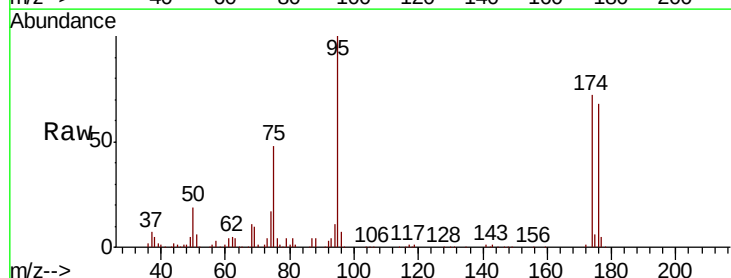
Tgt Ion: 95 Resp: 128895

Ion Ratio Lower Upper

95 100

174 72.1 0.0 158.4

176 68.0 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

80000

60000

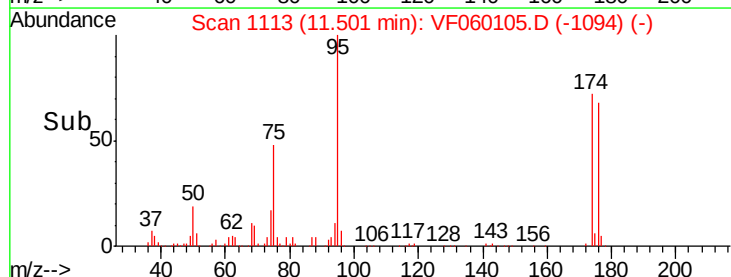
40000

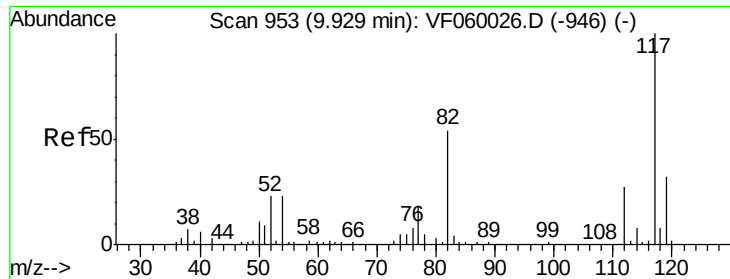
20000

0

11.40 11.50 11.60

Time-->

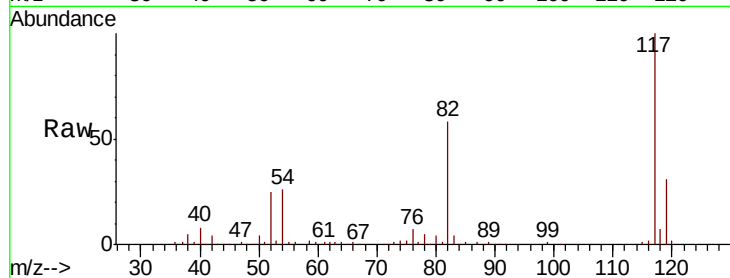




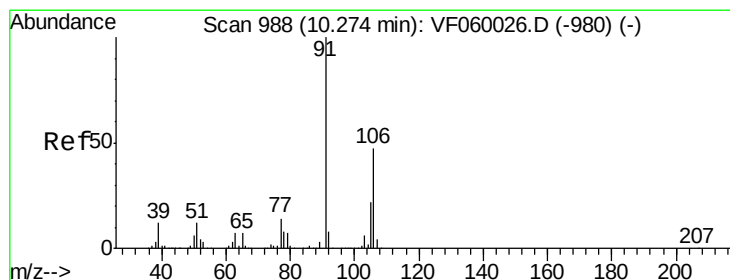
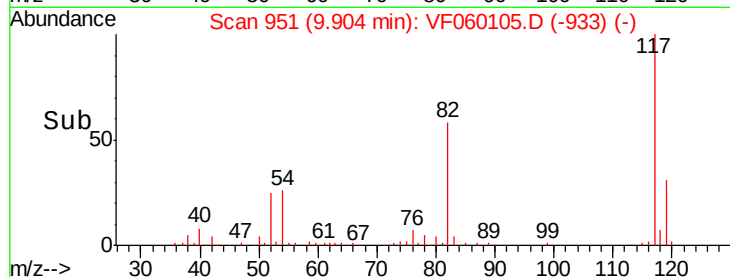
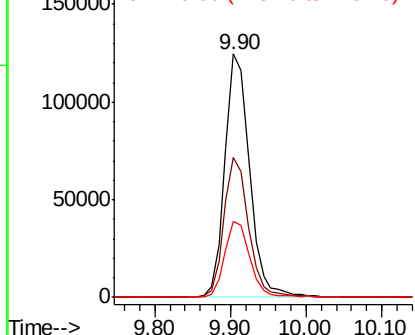
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060105.D
Acq: 24 Aug 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
SAHARA-BPM

Tot Ion:117 Resp: 282832
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 31.4 25.6 38.4

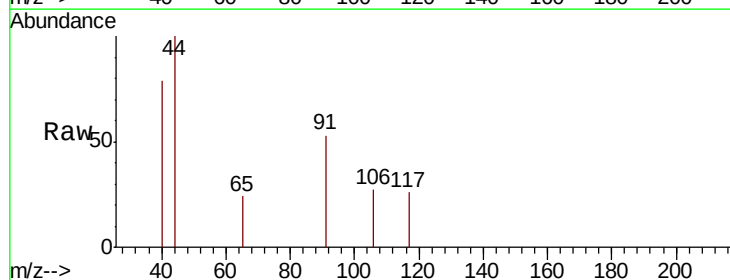


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

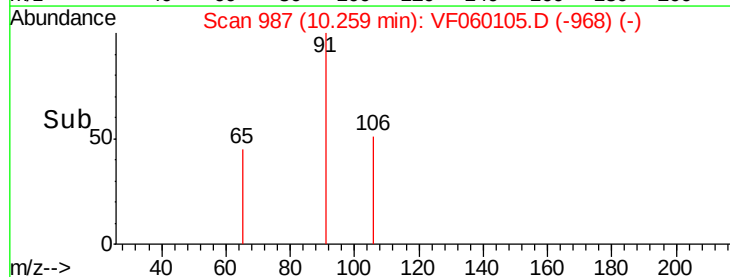
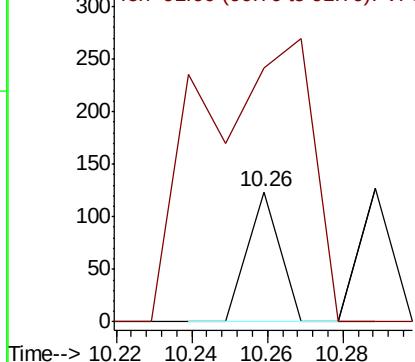


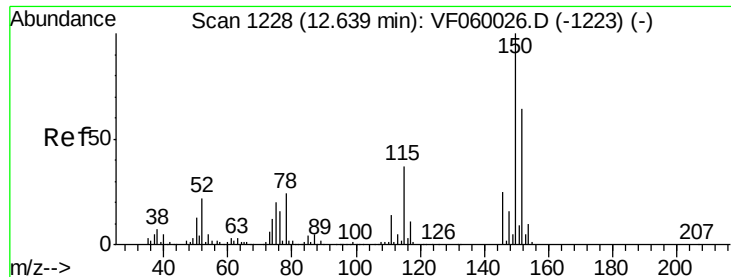
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060105.D
Acq: 24 Aug 2018 17:39

Tgt Ion:106 Resp: 73
Ion Ratio Lower Upper
106 100
91 194.4 171.8 257.8



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: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

SAHARA-BPM

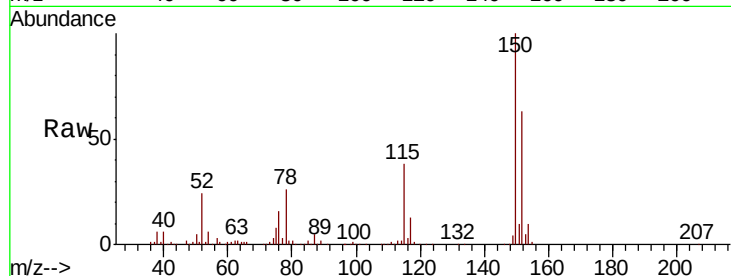
Tot Ion:152 Resp: 167872

Ion Ratio Lower Upper

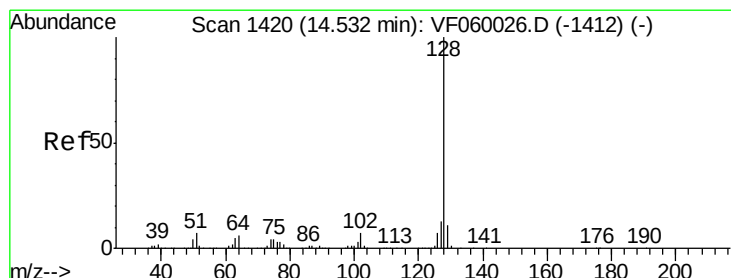
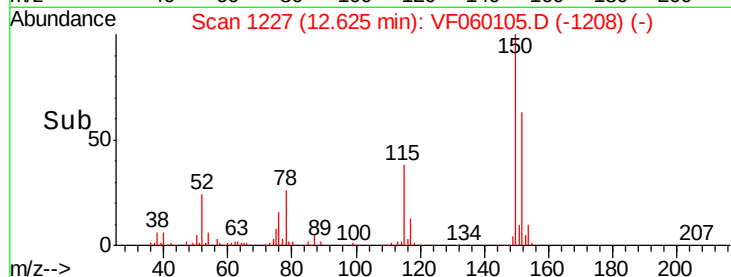
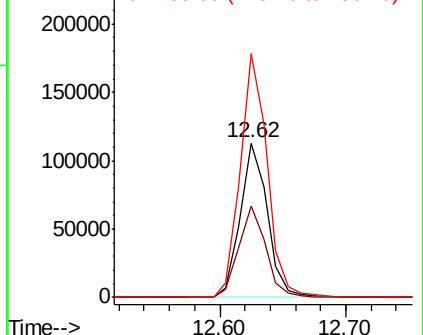
152 100

115 59.5 28.6 85.9

150 157.9 0.0 312.0



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: 2.32 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060105.D

Acq: 24 Aug 2018 17:39

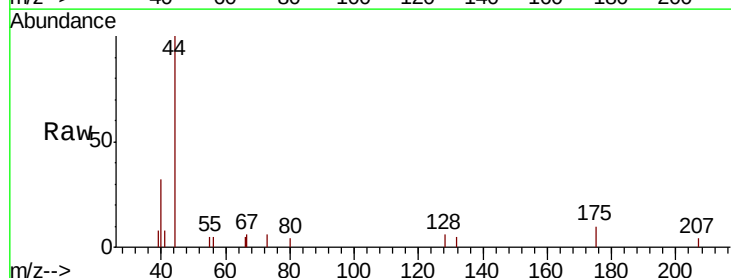
Tgt Ion:128 Resp: 221

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.5 12.7#



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

