

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060734.D
 Acq On : 14 Nov 2018 19:52
 Operator : VA/AP
 Sample : J5915-01
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T-1

Quant Time: Nov 15 08:10:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

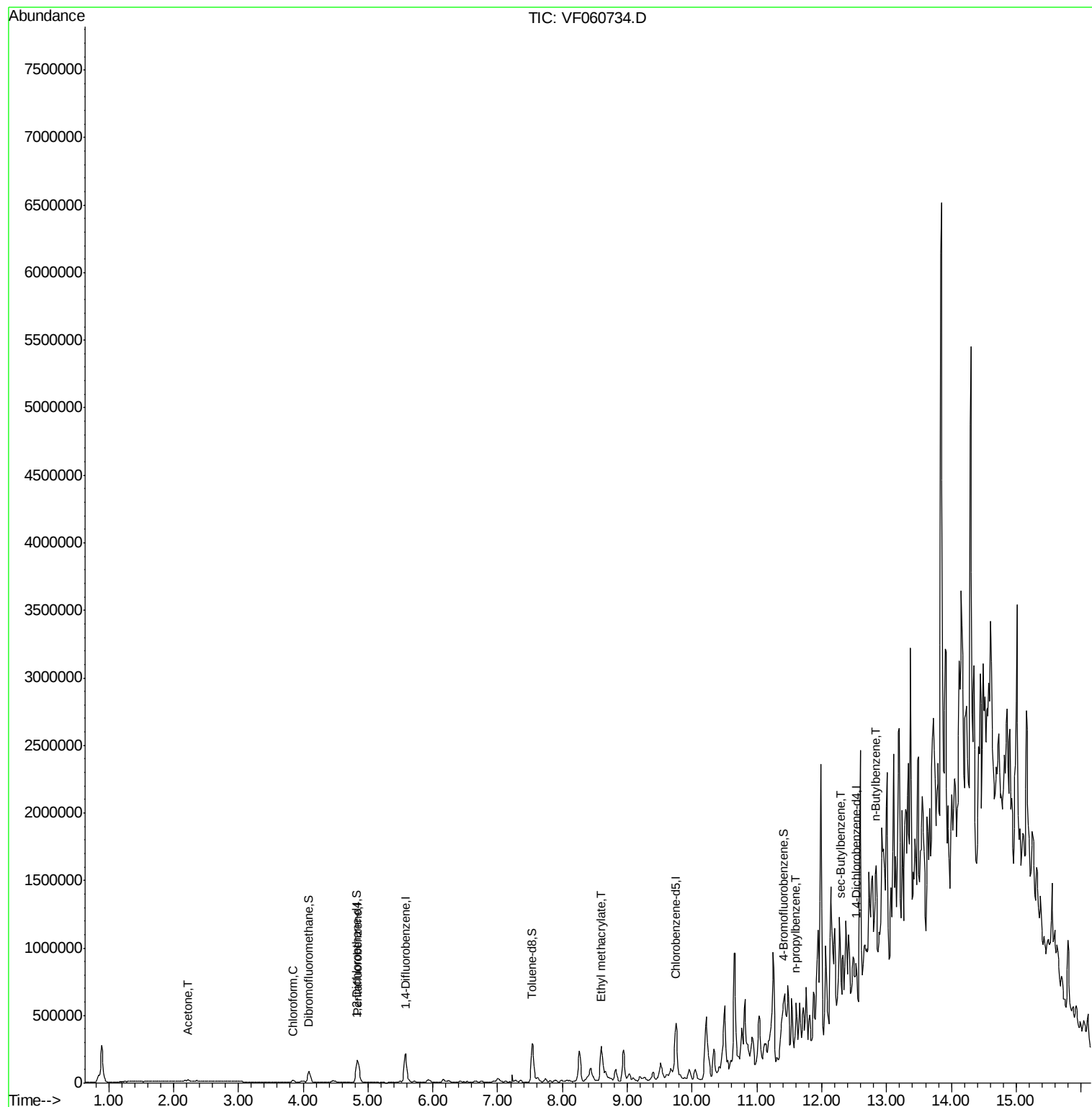
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	130639	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	246153	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	191319	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	80161	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	71183	47.77	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.54%	
35) Dibromofluoromethane	4.09	113	84954	45.91	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.82%	
50) Toluene-d8	7.53	98	189353	39.08	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	78.16%	
62) 4-Bromofluorobenzene	11.40	95	126884	58.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.30%	
Target Compounds						
16) Acetone	2.22	43	13274	41.68	ug/l	99
30) Chloroform	3.83	83	13269	3.79	ug/l	94
56) Ethyl methacrylate	8.60	69	131391	94.95	ug/l #	79
78) n-propylbenzene	11.59	91	27721	3.68	ug/l	90
85) sec-Butylbenzene	12.30	105	115506	15.66	ug/l #	73
89) n-Butylbenzene	12.83	91	27999	4.45	ug/l	73

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060734.D

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MSVOA_F

ClientSampleId :

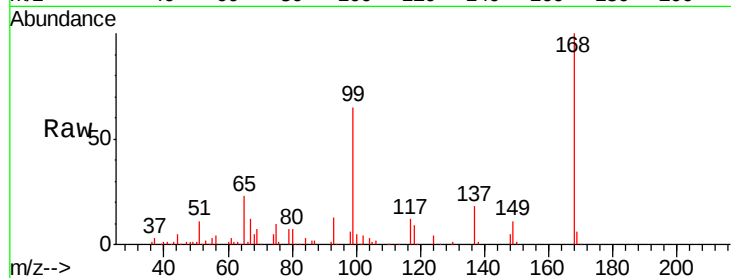
T-1

Tgt Ion:168 Resp: 130639

Ion Ratio Lower Upper

168 100

99 64.7 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

40000

30000

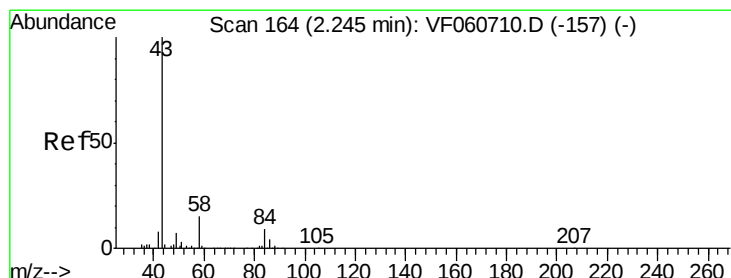
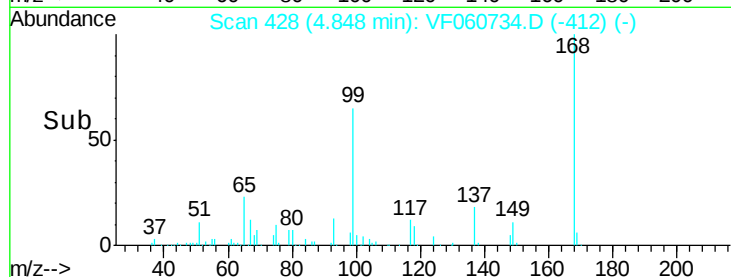
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 41.68 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060734.D

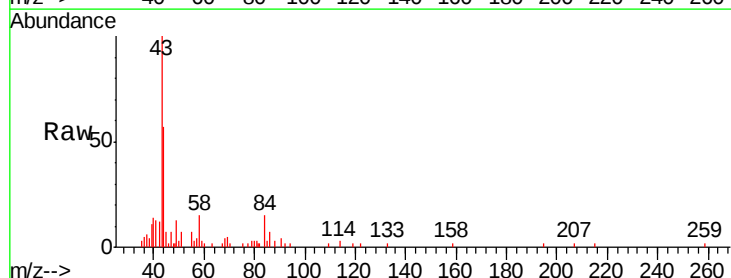
Acq: 14 Nov 2018 19:52

Tgt Ion: 43 Resp: 13274

Ion Ratio Lower Upper

43 100

58 14.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

6000

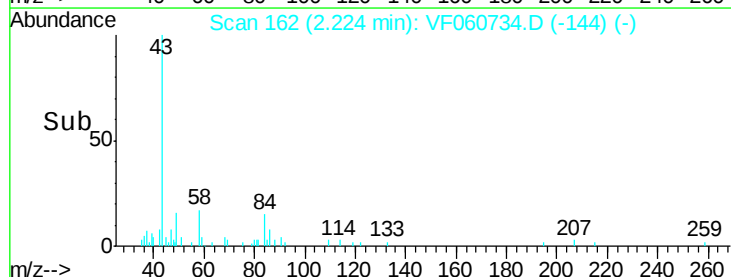
4000

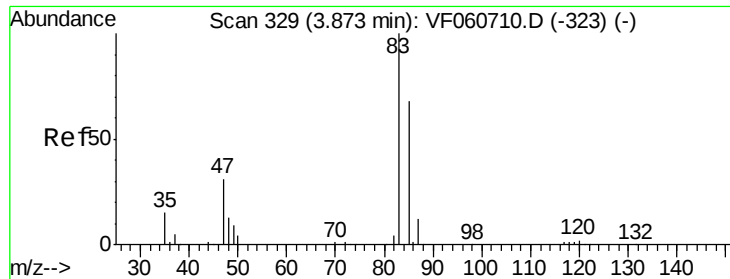
2000

0

2.10 2.15 2.20 2.25 2.30

Time-->

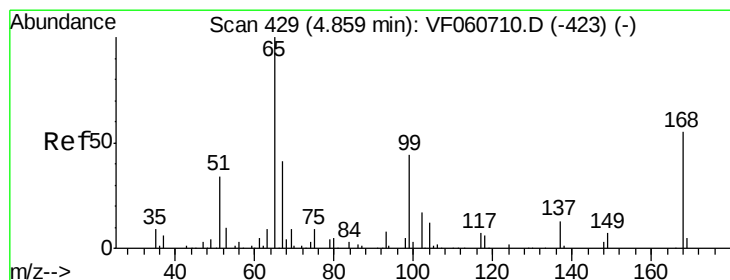
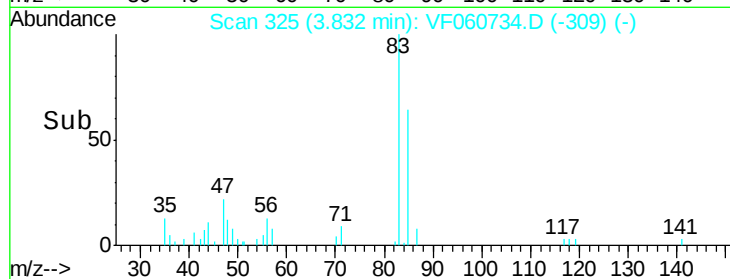
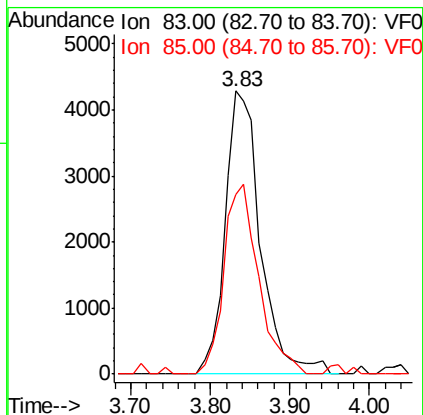
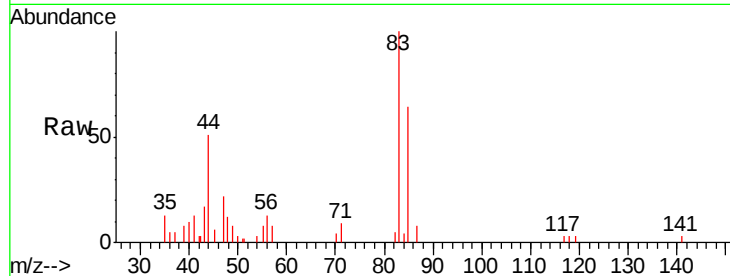




#30
Chloroform
Concen: 3.79 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF060734.D
Acq: 14 Nov 2018 19:52

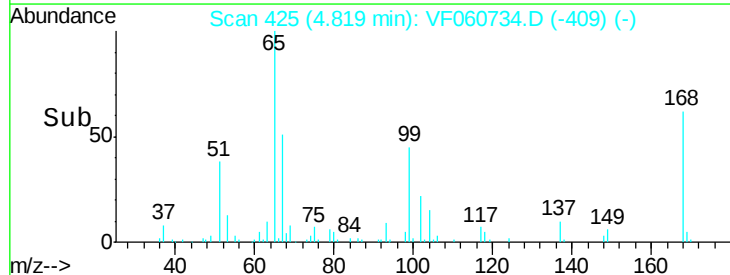
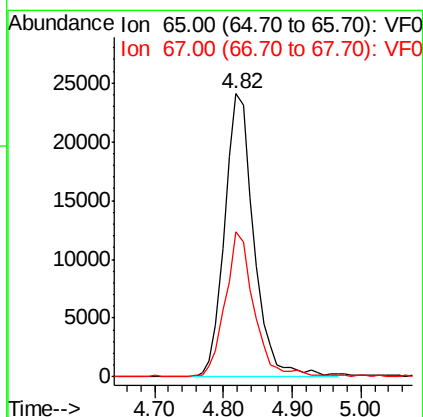
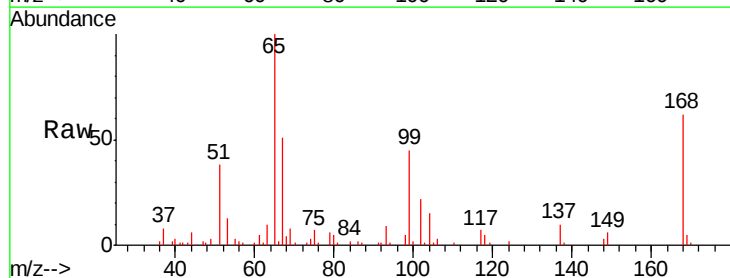
Instrument :
MSVOA_F
ClientSampleId :
T-1

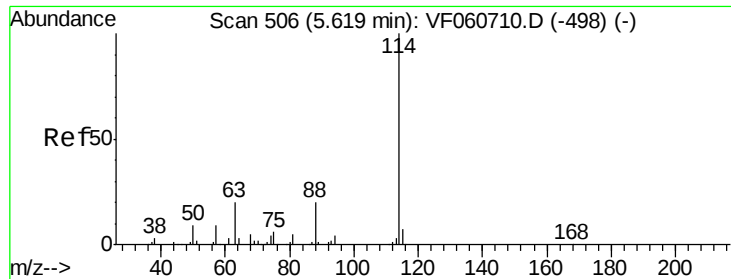
Tgt Ion: 83 Resp: 13269
Ion Ratio Lower Upper
83 100
85 63.7 54.6 82.0



#33
1,2-Dichloroethane-d4
Concen: 47.77 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF060734.D
Acq: 14 Nov 2018 19:52

Tgt Ion: 65 Resp: 71183
Ion Ratio Lower Upper
65 100
67 51.3 0.0 90.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.04 min

Lab File: VF060734.D

Acq: 14 Nov 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

T-1

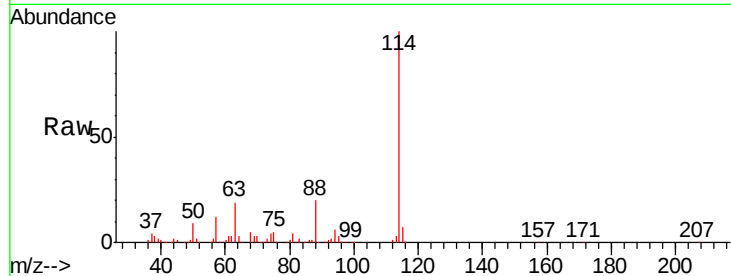
Tgt Ion:114 Resp: 246153

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

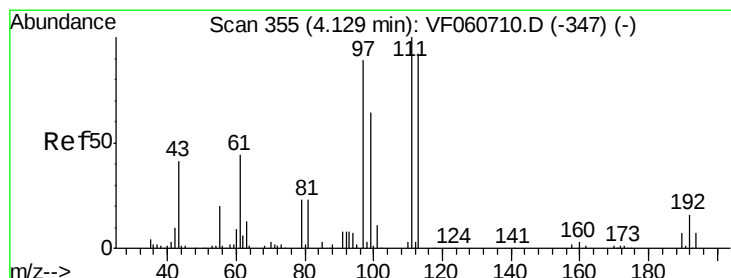
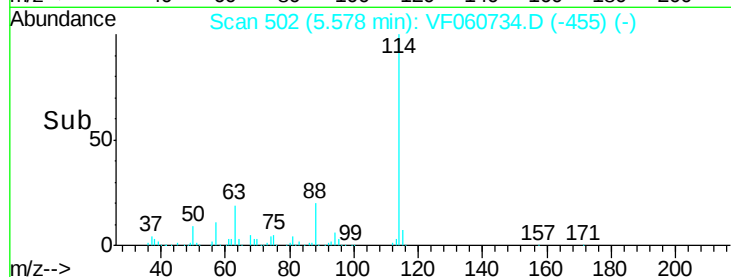
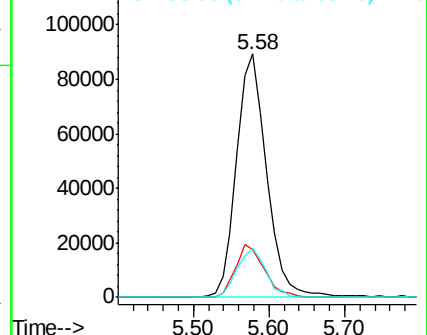
88 20.4 0.0 39.6



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: 45.91 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060734.D

Acq: 14 Nov 2018 19:52

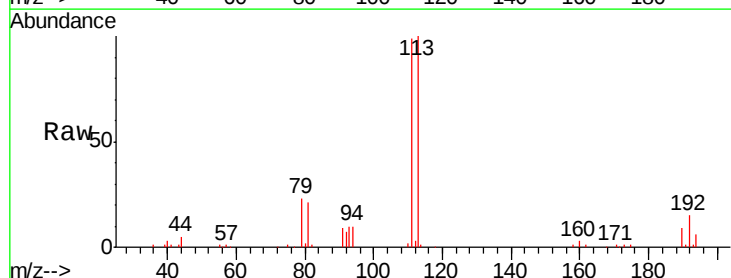
Tgt Ion:113 Resp: 84954

Ion Ratio Lower Upper

113 100

111 99.4 87.1 130.7

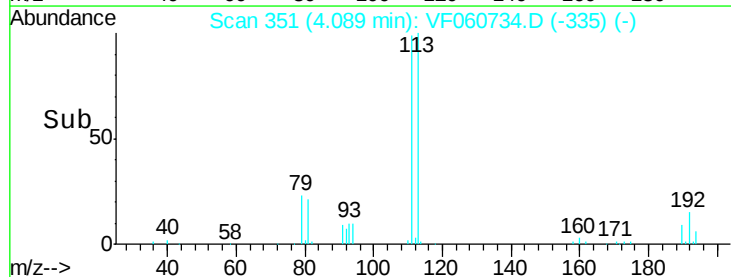
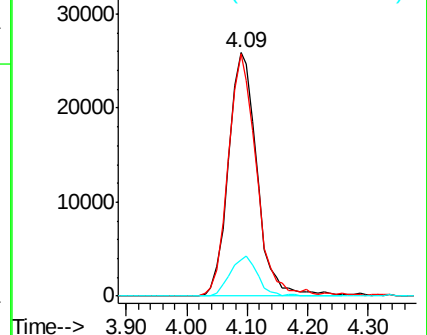
192 14.7 13.8 20.6

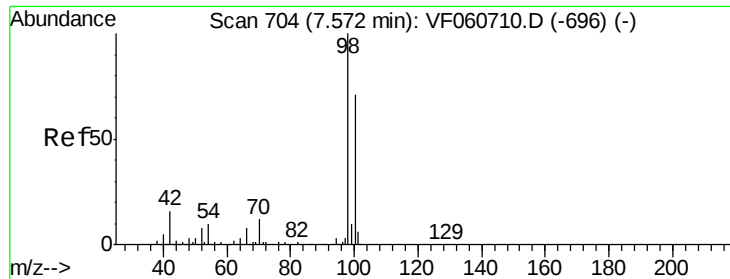


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

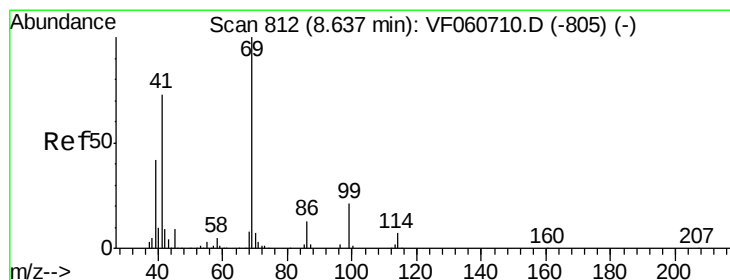
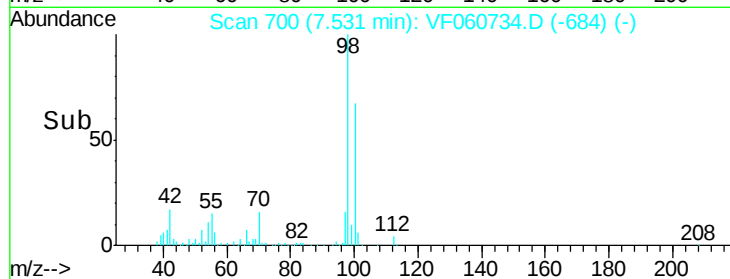
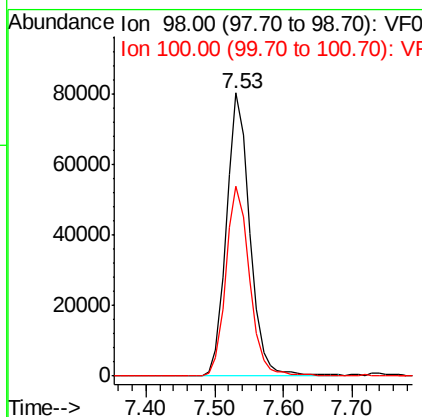
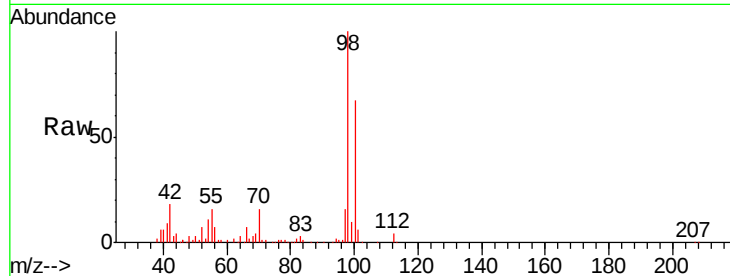




#50
Toluene-d8
Concen: 39.08 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060734.D
Acq: 14 Nov 2018 19:52

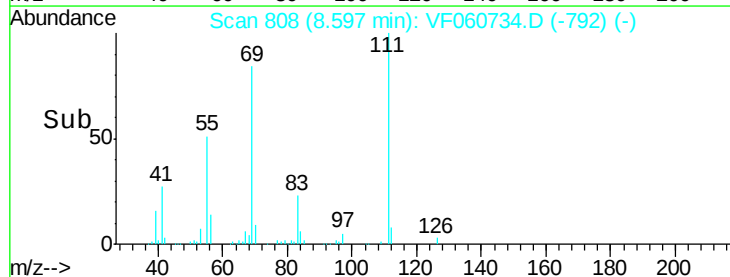
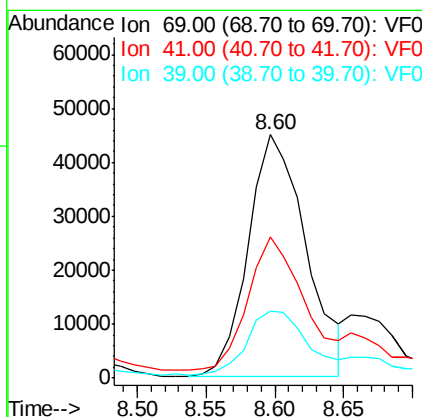
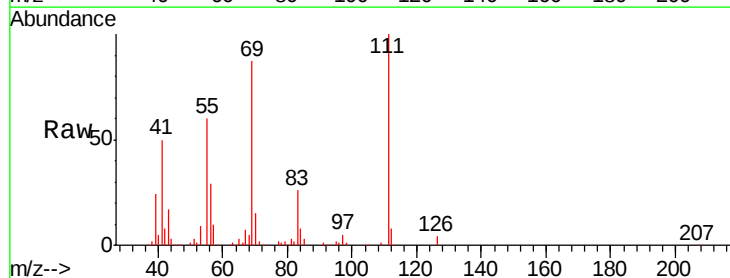
Instrument :
MSVOA_F
ClientSampled :
T-1

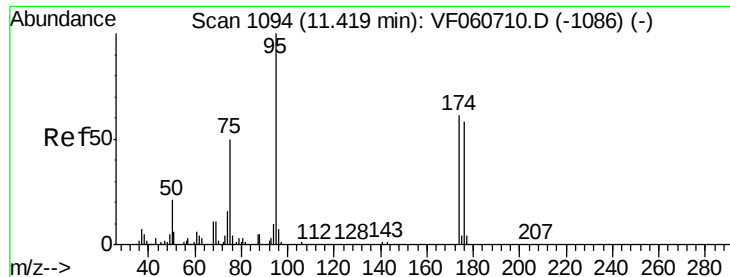
Tgt Ion: 98 Resp: 189353
Ion Ratio Lower Upper
98 100
100 67.3 56.5 84.7



#56
Ethyl methacrylate
Concen: 94.95 ug/l
RT: 8.60 min Scan# 808
Delta R.T. -0.04 min
Lab File: VF060734.D
Acq: 14 Nov 2018 19:52

Tgt Ion: 69 Resp: 131391
Ion Ratio Lower Upper
69 100
41 57.8 59.0 88.6#
39 27.5 34.0 51.0#





#62

4-Bromofluorobenzene

Concen: 58.65 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060734.D

Acq: 14 Nov 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

T-1

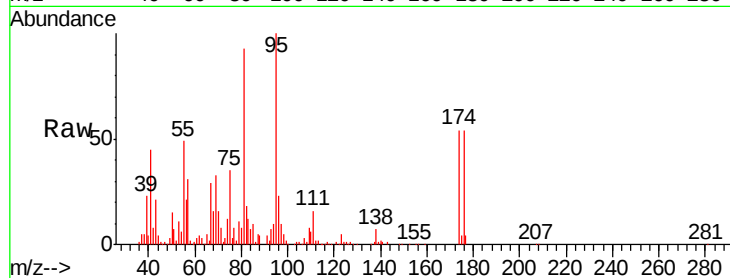
Tgt Ion: 95 Resp: 126884

Ion Ratio Lower Upper

95 100

174 53.7 0.0 121.6

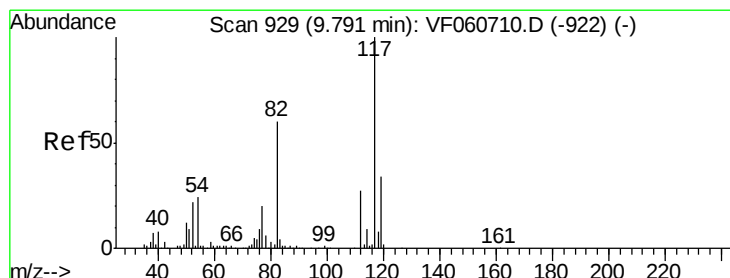
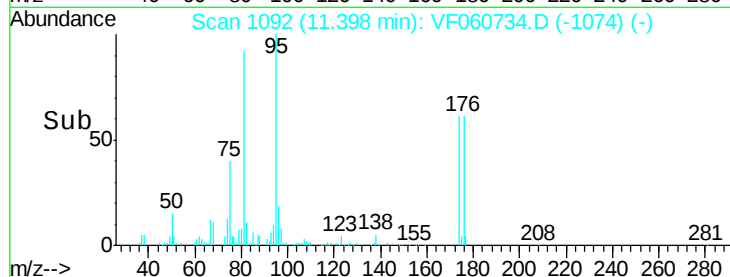
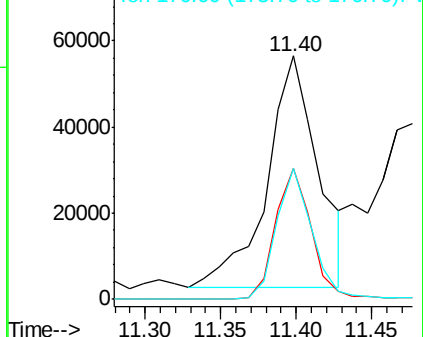
176 54.0 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF060734.D

Acq: 14 Nov 2018 19:52

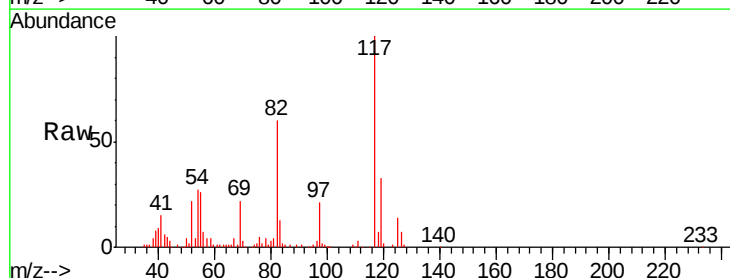
Tgt Ion: 117 Resp: 191319

Ion Ratio Lower Upper

117 100

82 60.3 47.9 71.9

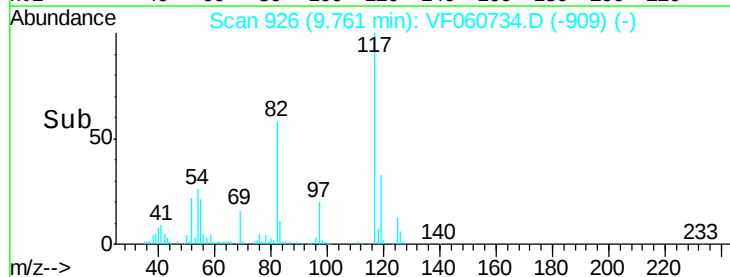
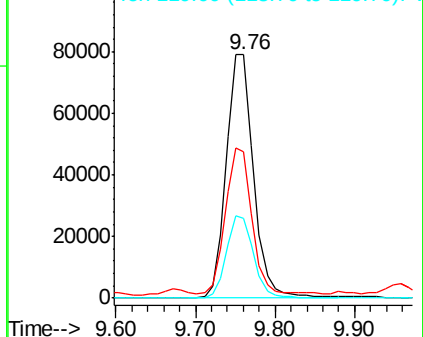
119 32.9 26.8 40.2

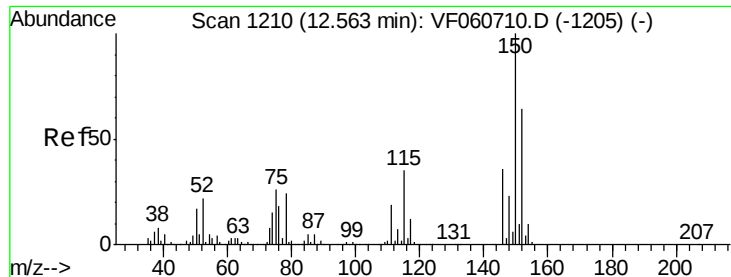


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF060734.D

Acq: 14 Nov 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

T-1

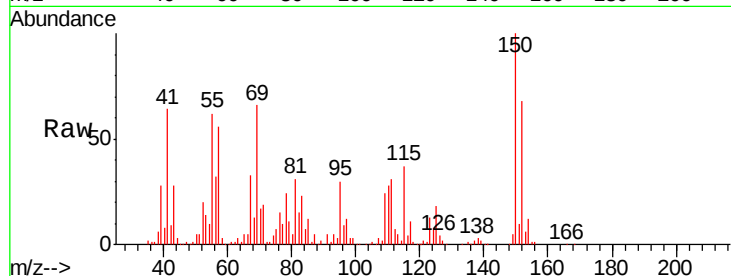
Tgt Ion:152 Resp: 80161

Ion Ratio Lower Upper

152 100

115 54.6 27.9 83.7

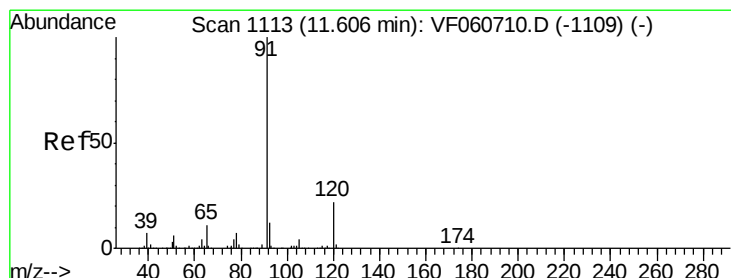
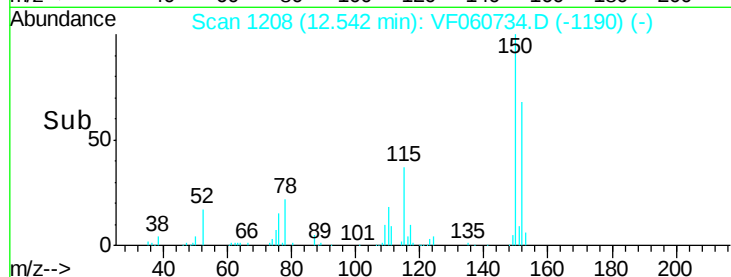
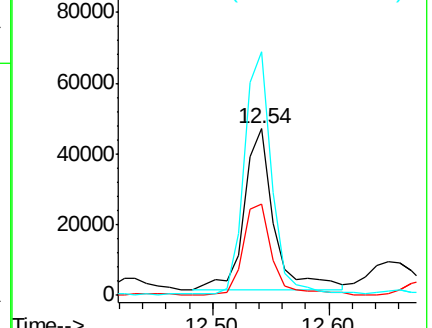
150 146.3 0.0 316.4



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: 3.68 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF060734.D

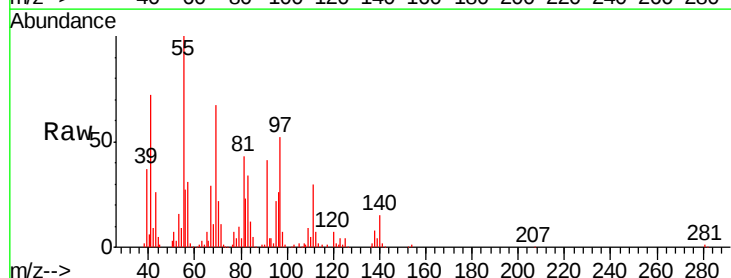
Acq: 14 Nov 2018 19:52

Tgt Ion: 91 Resp: 27721

Ion Ratio Lower Upper

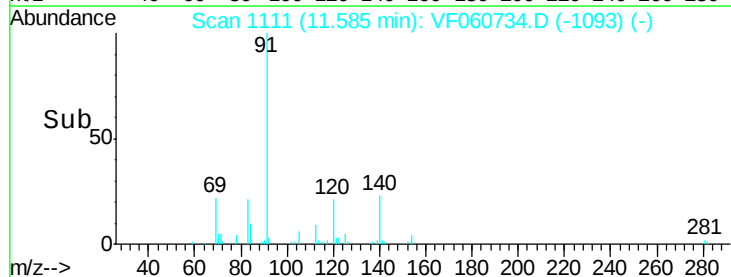
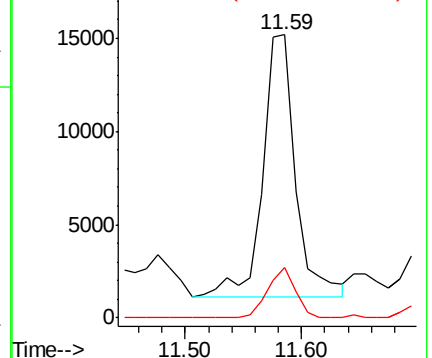
91 100

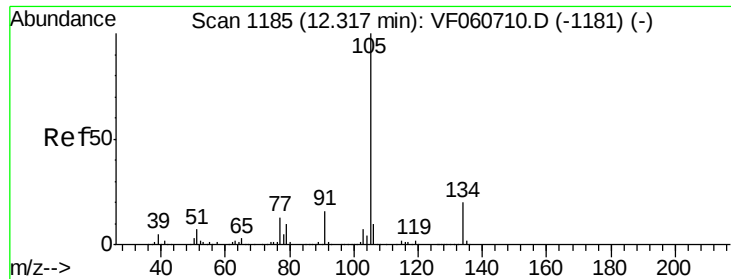
120 17.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

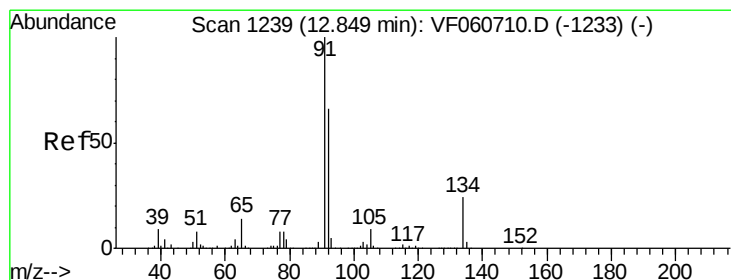
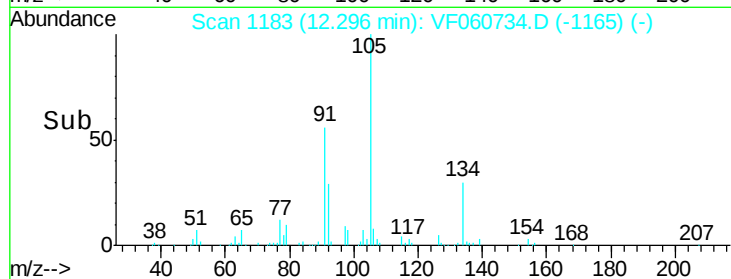
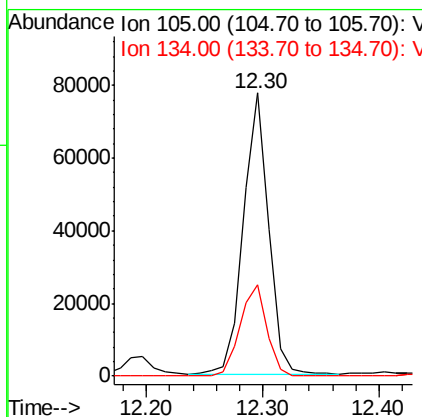
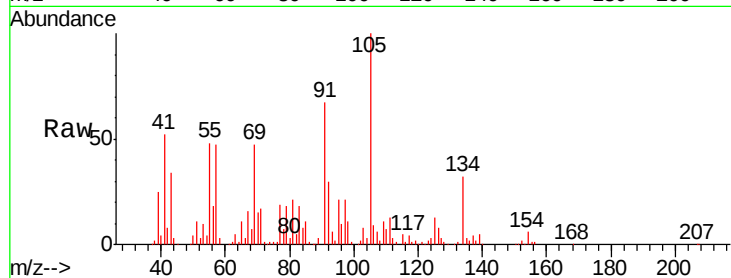




#85
 sec-Butylbenzene
 Concen: 15.66 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF060734.D
 Acq: 14 Nov 2018 19:52

Instrument :
 MSVOA_F
 ClientSampled :
 T-1

Tgt Ion: 105 Resp: 115506
 Ion Ratio Lower Upper
 105 100
 134 32.4 10.1 30.3#



#89
 n-Butylbenzene
 Concen: 4.45 ug/l
 RT: 12.83 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VF060734.D
 Acq: 14 Nov 2018 19:52

Tgt Ion: 91 Resp: 27999
 Ion Ratio Lower Upper
 91 100
 92 39.8 33.1 99.2
 134 19.1 11.9 35.9

