

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060800.D
 Acq On : 20 Nov 2018 2:42
 Operator : VA/AP
 Sample : J5950-02
 Misc : 6.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

Quant Time: Nov 20 03:59:30 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	4.88	168	194328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	337802	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	275255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	144992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	109948	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.20%		
35) Dibromofluoromethane	4.13	113	135299	53.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.56%		
50) Toluene-d8	7.57	98	320510	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.24%		
62) 4-Bromofluorobenzene	11.42	95	153706	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.50%		

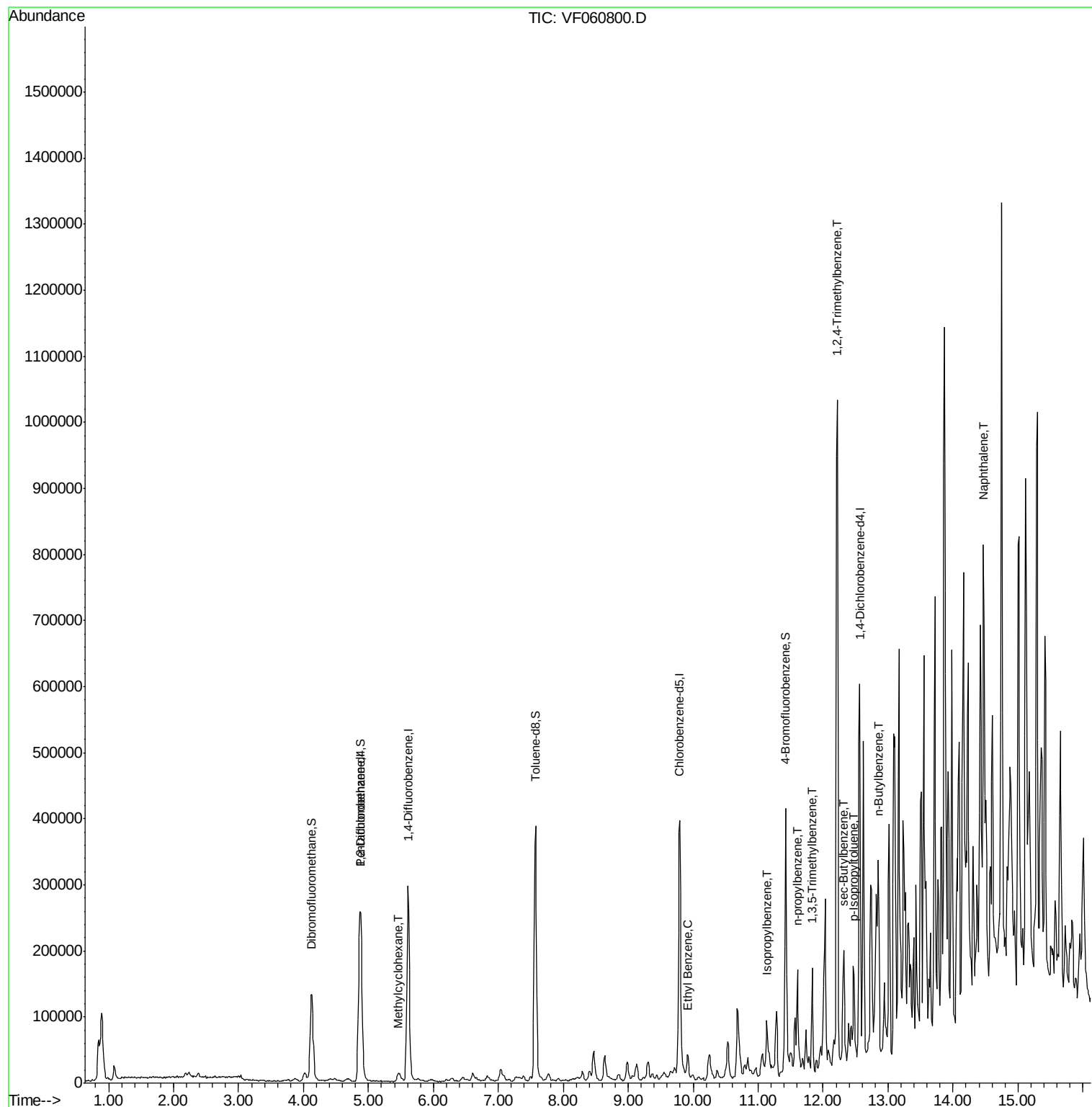
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.46	83	8813	1.939	ug/l	93
67) Ethyl Benzene	9.92	91	32145	3.070	ug/l	99
73) Isopropylbenzene	11.13	105	30024	2.573	ug/l	99
78) n-propylbenzene	11.61	91	101818	7.480	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	69564	7.508	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	486304	50.748	ug/l	96
85) sec-Butylbenzene	12.32	105	90180	6.757	ug/l	89
86) p-Isopropyltoluene	12.47	119	56180	5.040	ug/l	95
89) n-Butylbenzene	12.85	91	118427	10.411	ug/l #	84
95) Naphthalene	14.47	128	254480	42.627	ug/l #	90

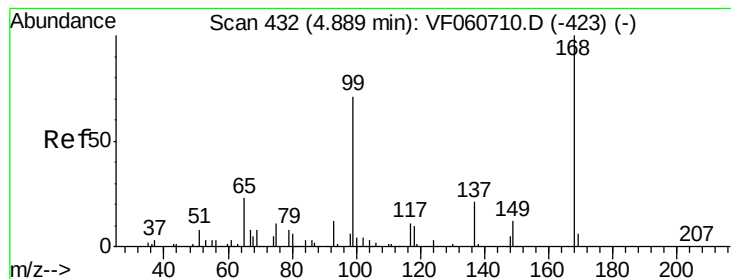
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

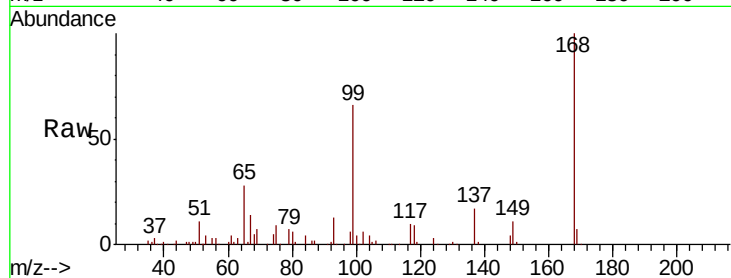
SSI-04

Tot Ion:168 Resp: 194328

Ion Ratio Lower Upper

168 100

99 66.4 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

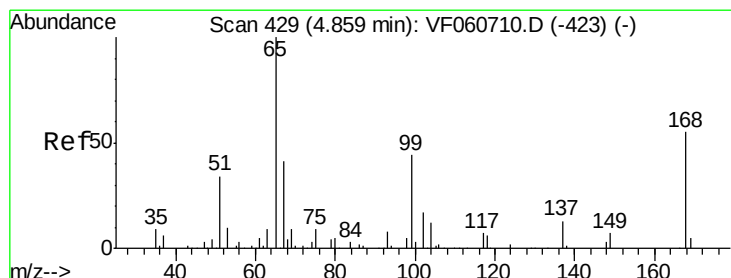
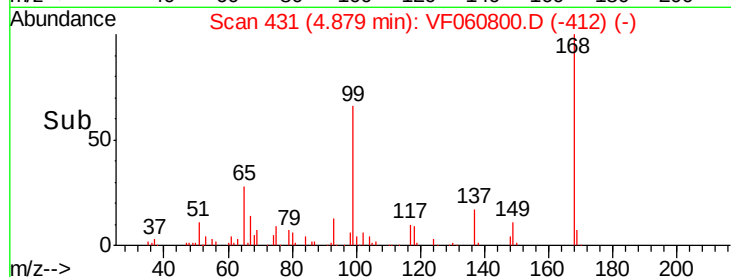
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 49.603 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060800.D

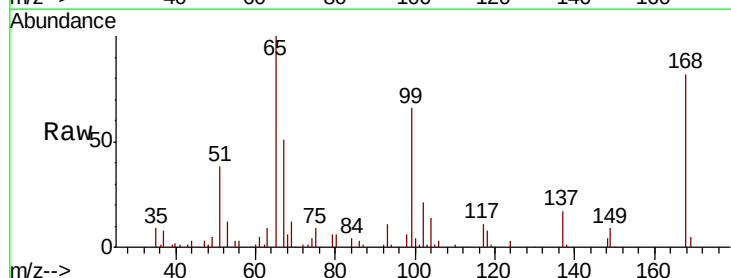
Acq: 20 Nov 2018 2:42

Tgt Ion: 65 Resp: 109948

Ion Ratio Lower Upper

65 100

67 51.3 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

40000

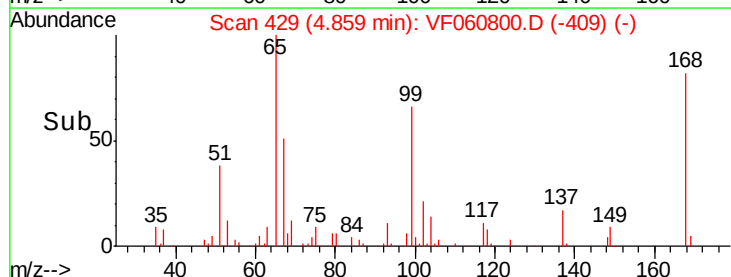
30000

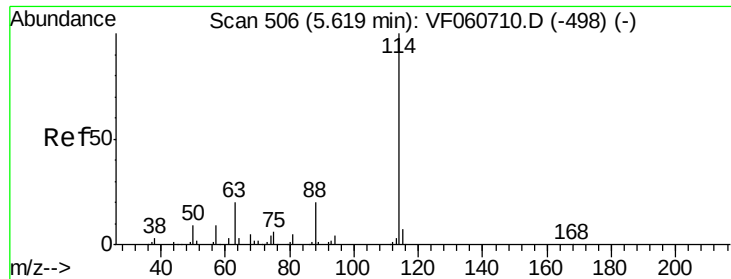
20000

10000

0

Time--> 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

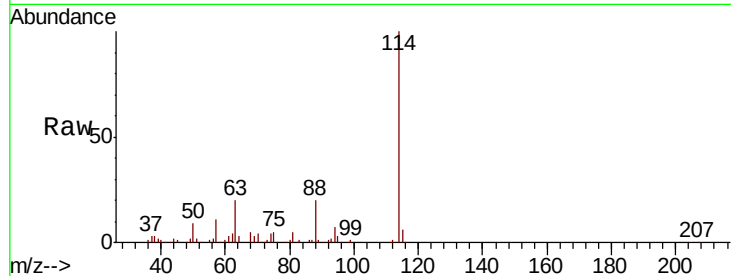
Tot Ion:114 Resp: 337802

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

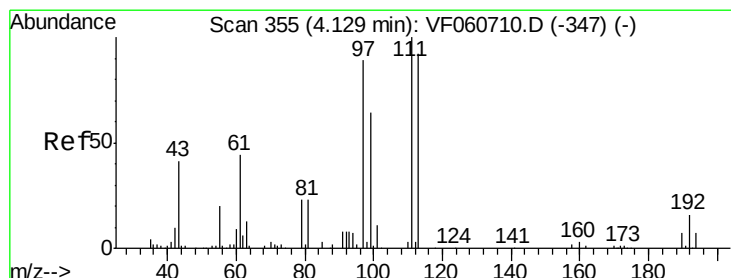
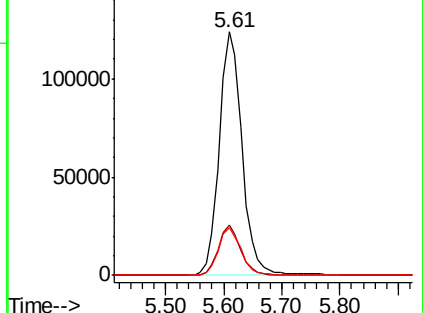
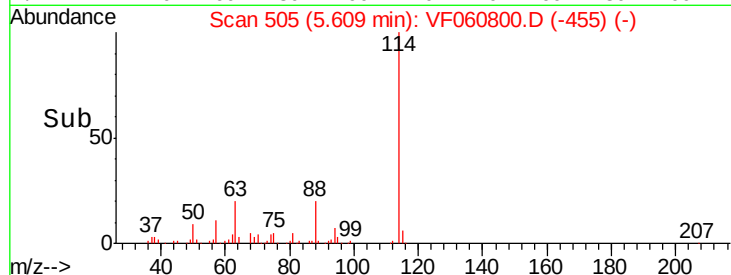
88 19.8 0.0 39.6



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: 53.283 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

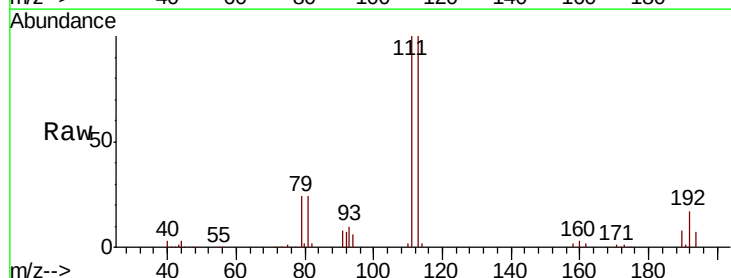
Tgt Ion:113 Resp: 135299

Ion Ratio Lower Upper

113 100

111 99.6 87.1 130.7

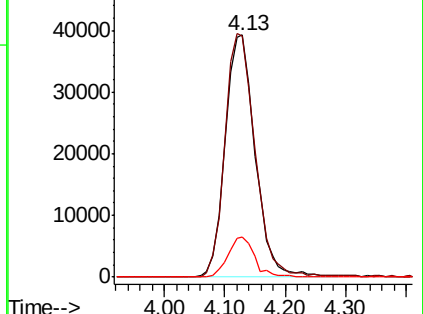
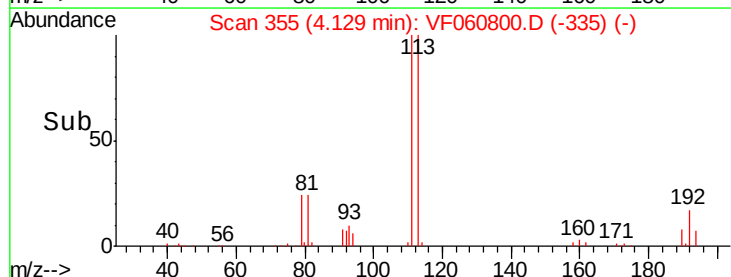
192 16.6 13.8 20.6

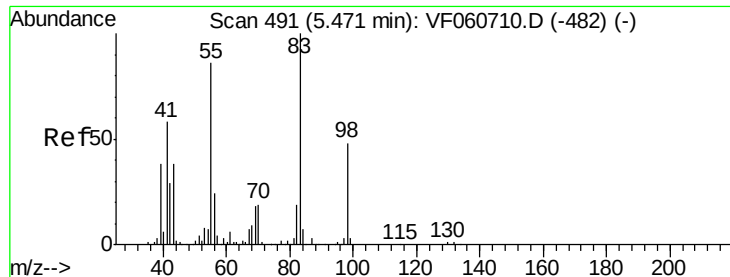


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

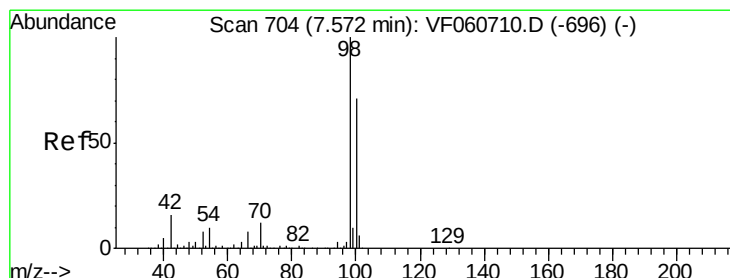
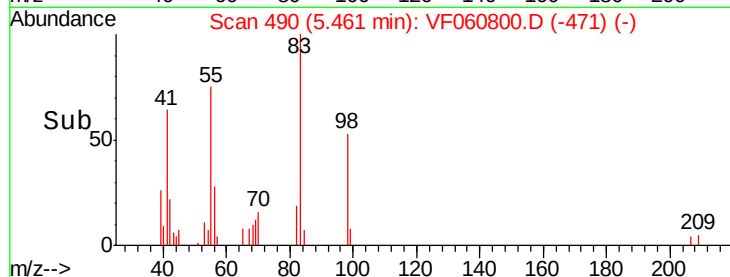
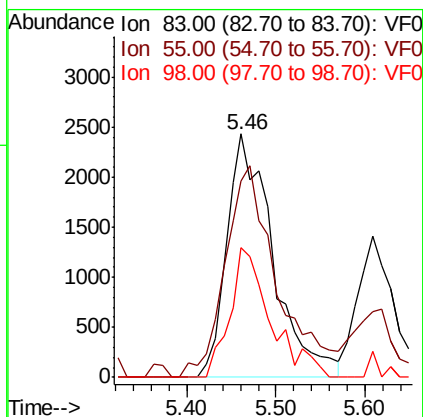
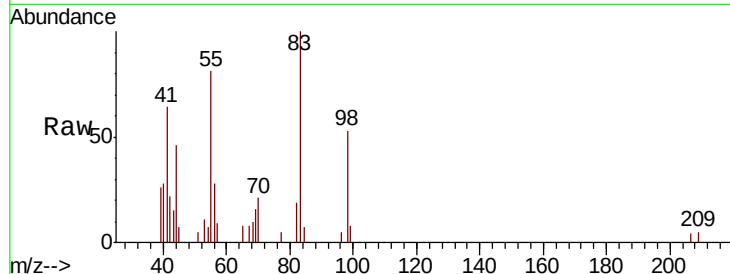




#39
Methylcyclohexane
Concen: 1.939 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

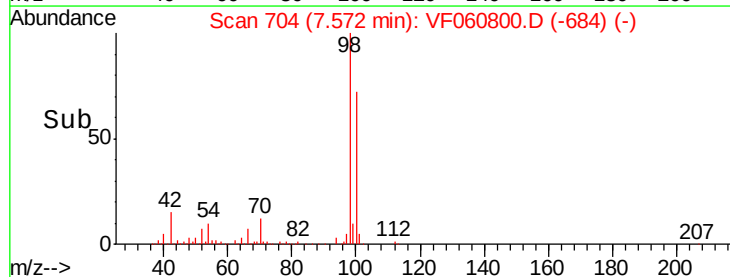
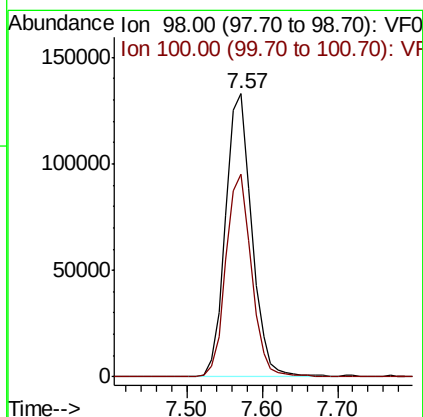
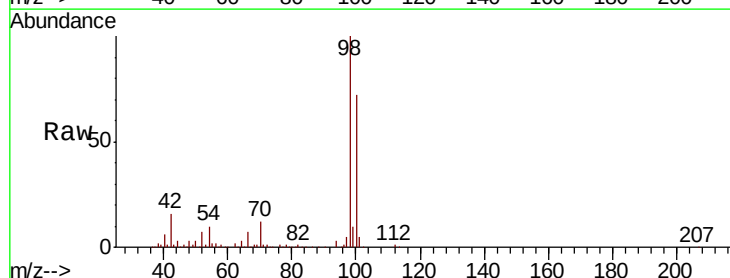
Instrument :
MSVOA_F
ClientSampleId :
SSI-04

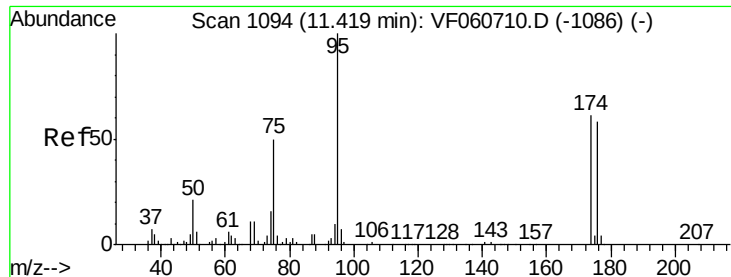
Tot Ion: 83 Resp: 8813
Ion Ratio Lower Upper
83 100
55 80.8 69.0 103.4
98 53.4 38.5 57.7



#50
Toluene-d8
Concen: 49.124 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060800.D
Acq: 20 Nov 2018 2:42

Tgt Ion: 98 Resp: 320510
Ion Ratio Lower Upper
98 100
100 71.7 56.5 84.7





#62

4-Bromofluorobenzene

Concen: 51.254 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

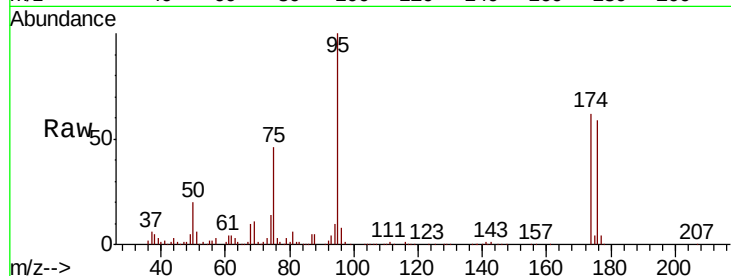
Tot Ion: 95 Resp: 153706

Ion Ratio Lower Upper

95 100

174 61.5 0.0 121.6

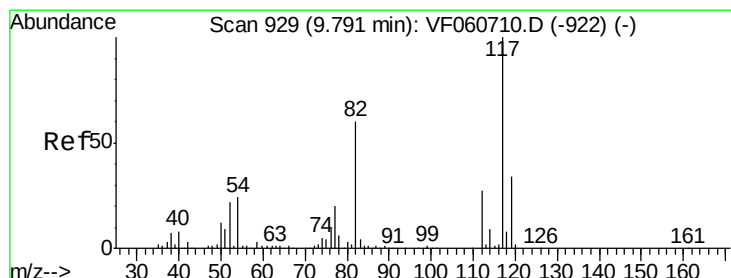
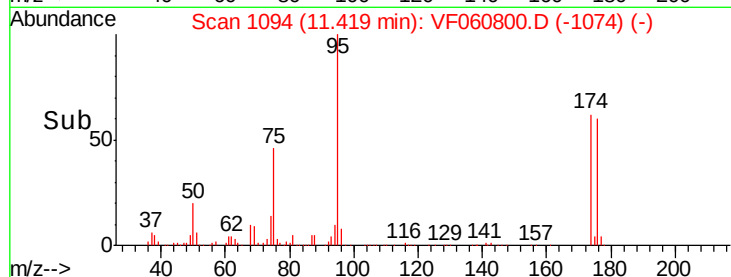
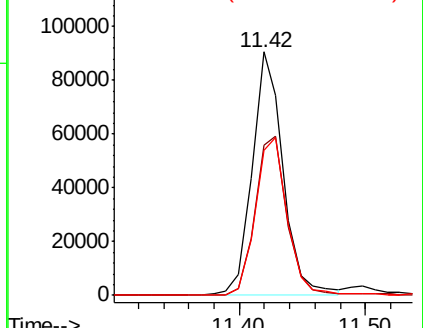
176 59.4 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF060710.D (-1086) (-)

Ion 174.00 (173.70 to 174.70): VF060710.D (-1086) (-)

Ion 176.00 (175.70 to 176.70): VF060710.D (-1086) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

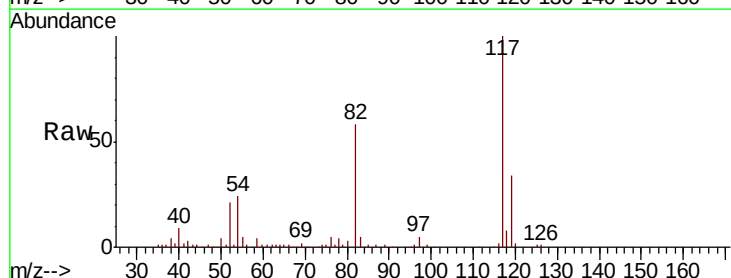
Tgt Ion: 117 Resp: 275255

Ion Ratio Lower Upper

117 100

82 57.9 47.9 71.9

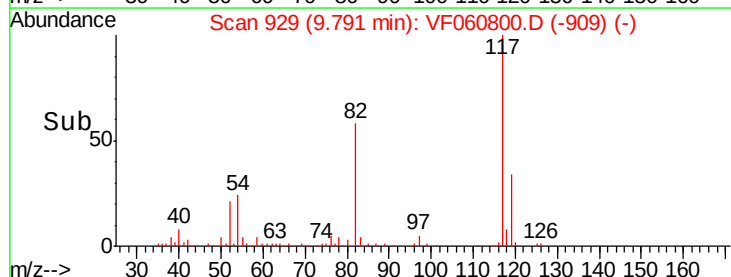
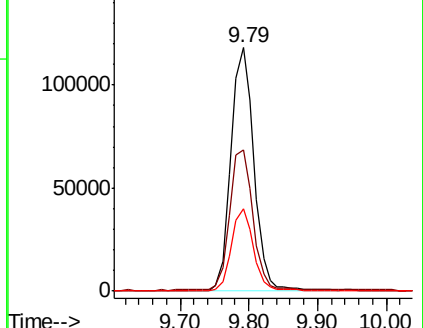
119 34.0 26.8 40.2

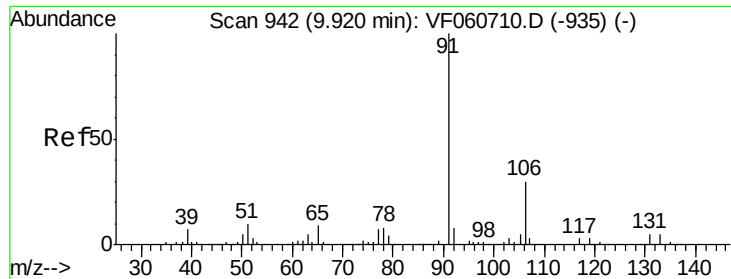


Abundance Ion 117.00 (116.70 to 117.70): VF060710.D (-922) (-)

Ion 82.00 (81.70 to 82.70): VF060710.D (-922) (-)

Ion 119.00 (118.70 to 119.70): VF060710.D (-922) (-)





#67

Ethyl Benzene

Concen: 3.070 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

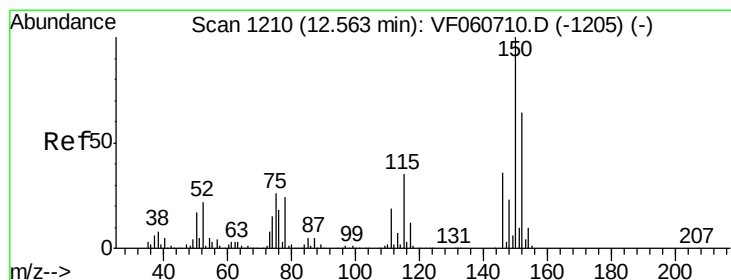
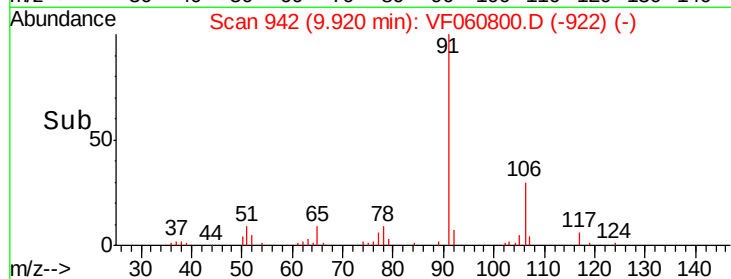
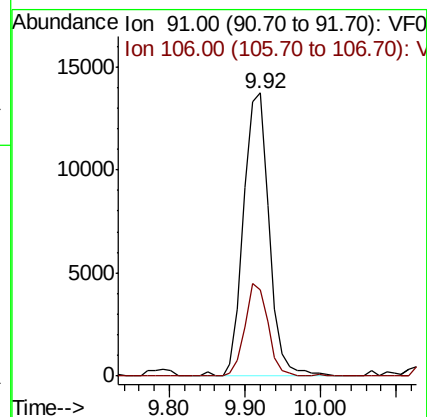
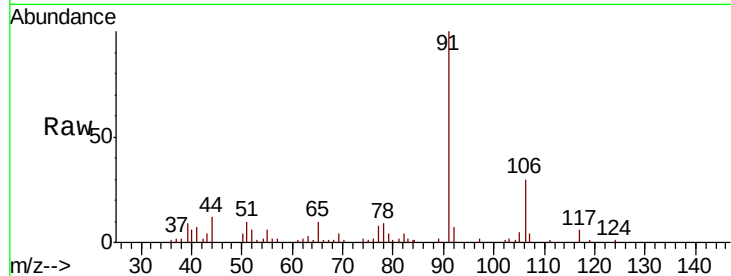
SSI-04

Tot Ion: 91 Resp: 32145

Ion Ratio Lower Upper

91 100

106 30.3 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

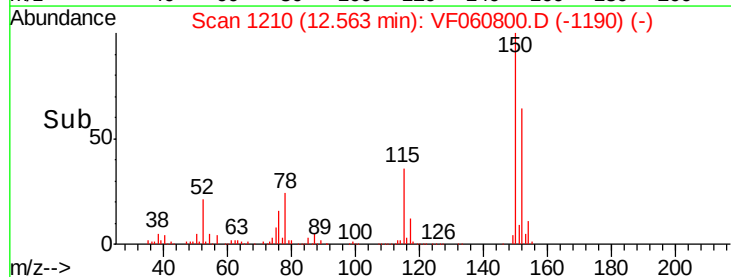
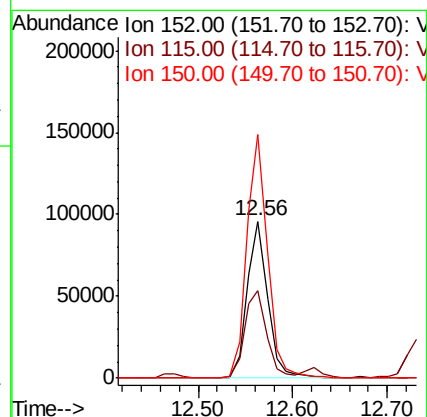
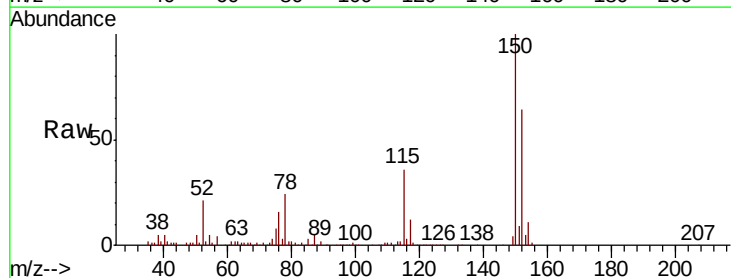
Tgt Ion: 152 Resp: 144992

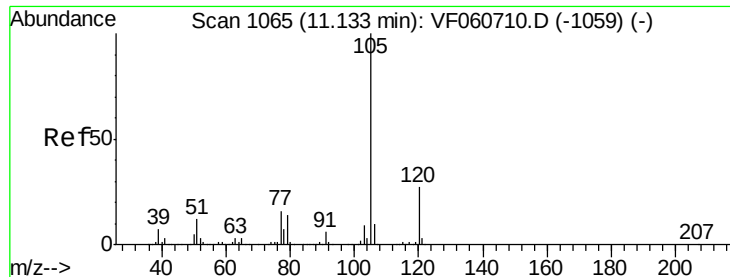
Ion Ratio Lower Upper

152 100

115 56.1 27.9 83.7

150 155.0 0.0 316.4





#73

Isopropylbenzene

Concen: 2.573 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampled :

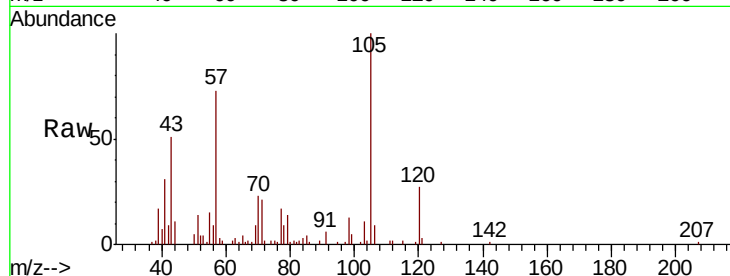
SSI-04

Tot Ion:105 Resp: 30024

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

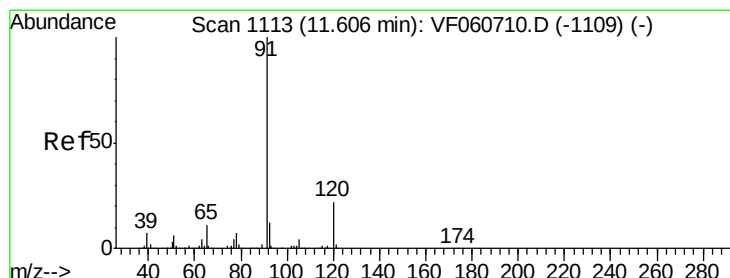
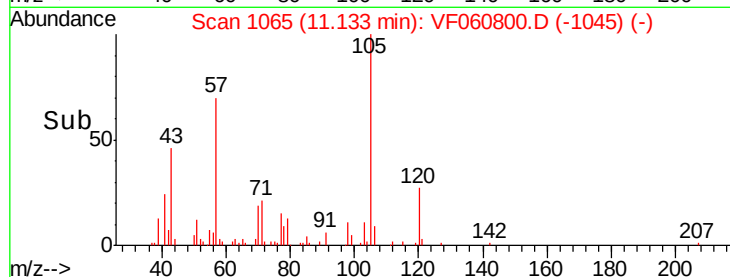
15000

10000

5000

0

Time--> 11.05 11.10 11.15 11.20



#78

n-propylbenzene

Concen: 7.480 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060800.D

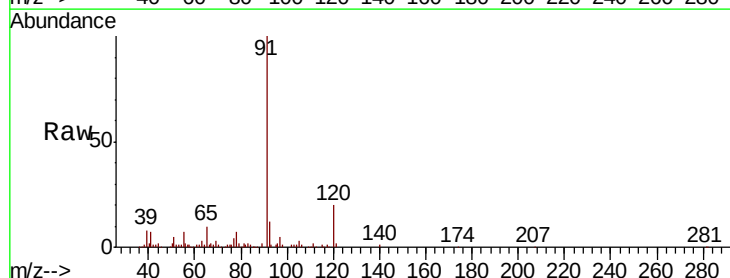
Acq: 20 Nov 2018 2:42

Tgt Ion: 91 Resp: 101818

Ion Ratio Lower Upper

91 100

120 19.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

80000 Ion 120.00 (119.70 to 120.70): V

11.61

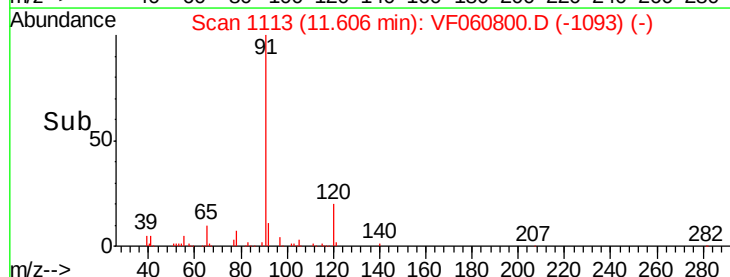
60000

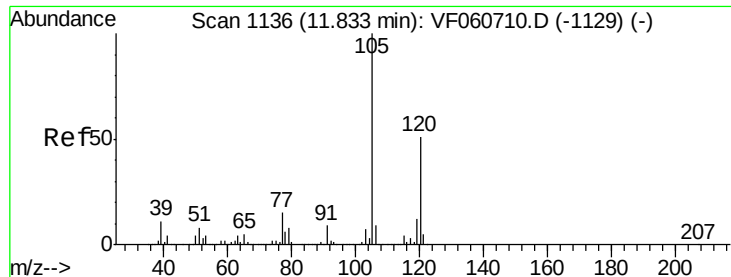
40000

20000

0

Time--> 11.50 11.60 11.70





#80

1,3,5-Trimethylbenzene

Concen: 7.508 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

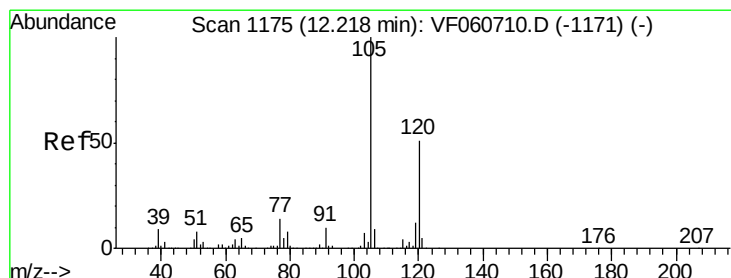
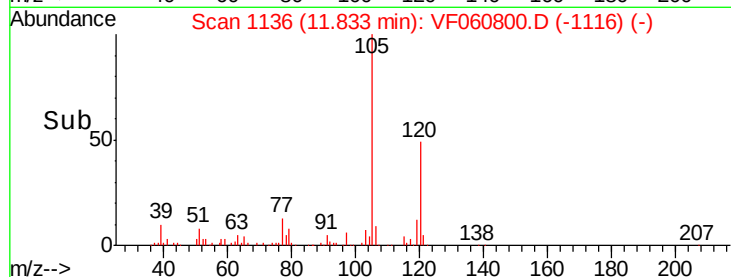
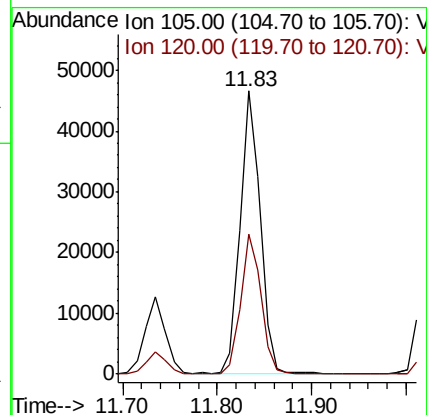
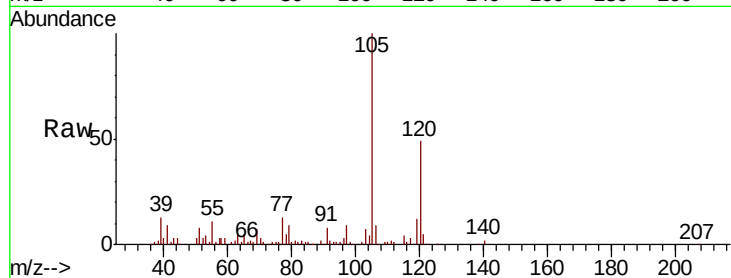
SSI-04

Tot Ion:105 Resp: 69564

Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8



#84

1,2,4-Trimethylbenzene

Concen: 50.748 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060800.D

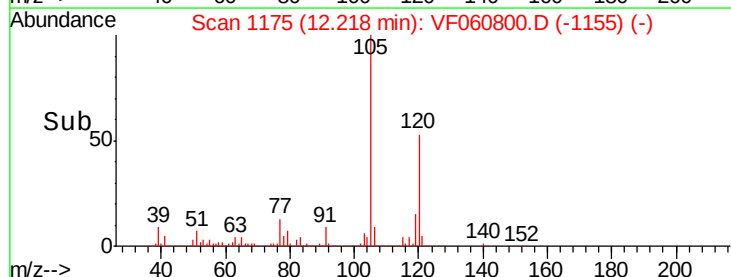
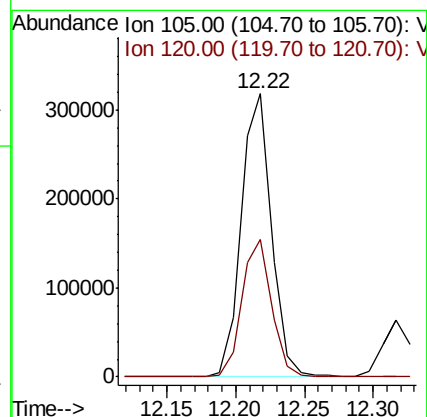
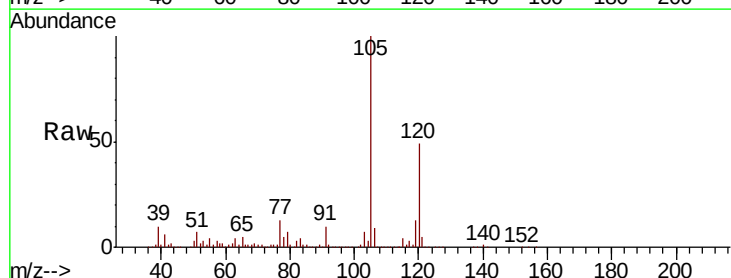
Acq: 20 Nov 2018 2:42

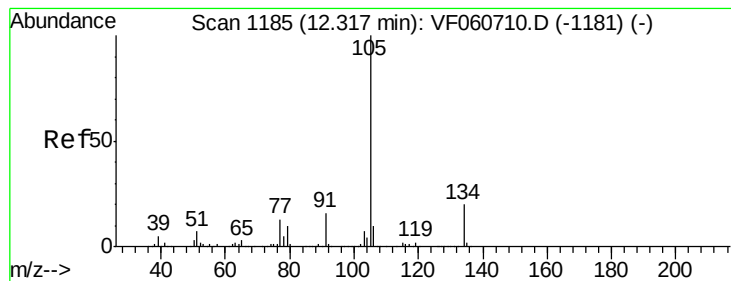
Tgt Ion:105 Resp: 486304

Ion Ratio Lower Upper

105 100

120 48.5 25.5 76.5





#85

sec-Butylbenzene

Concen: 6.757 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

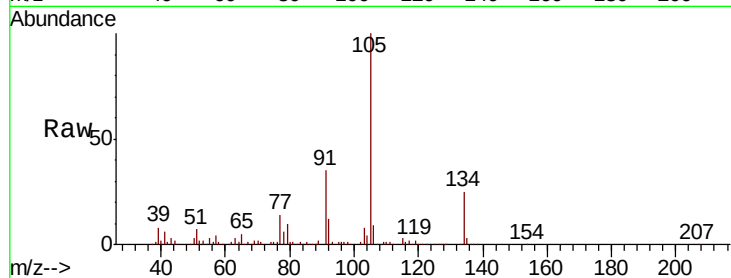
SSI-04

Tot Ion:105 Resp: 90180

Ion Ratio Lower Upper

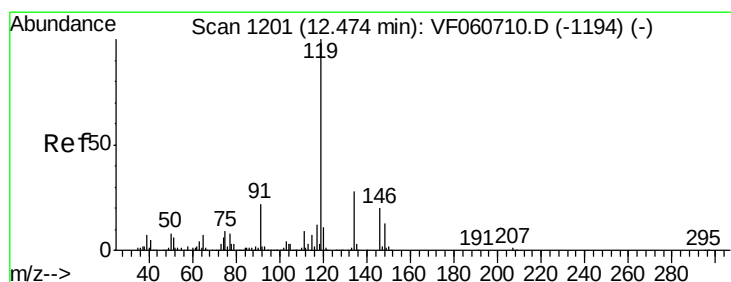
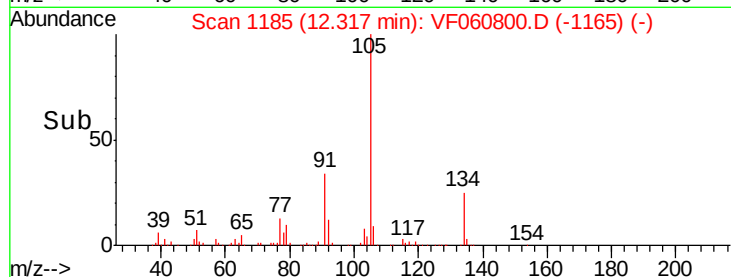
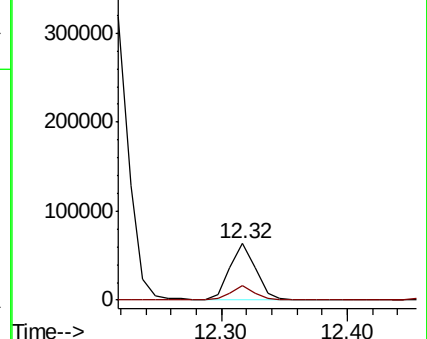
105 100

134 25.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.040 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

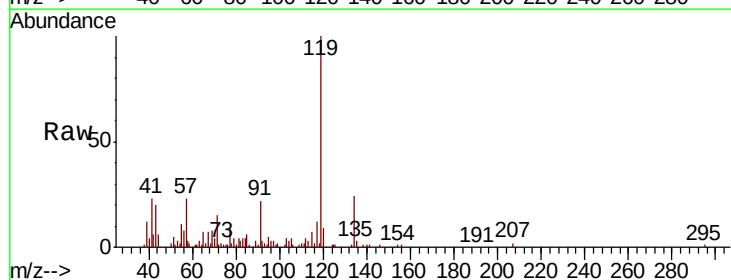
Tgt Ion:119 Resp: 56180

Ion Ratio Lower Upper

119 100

134 23.6 13.9 41.7

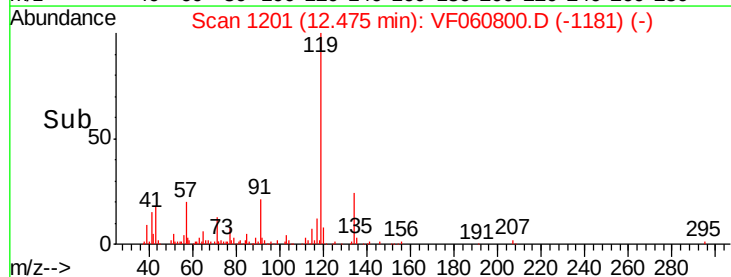
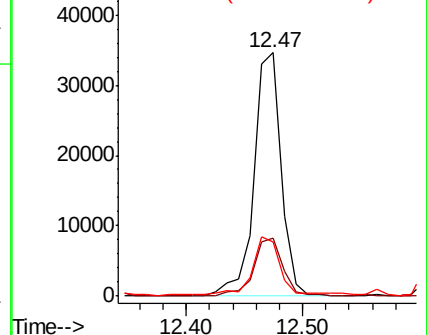
91 22.3 11.3 33.9

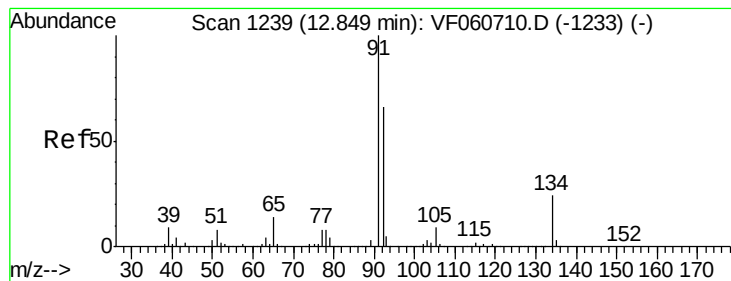


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 10.411 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

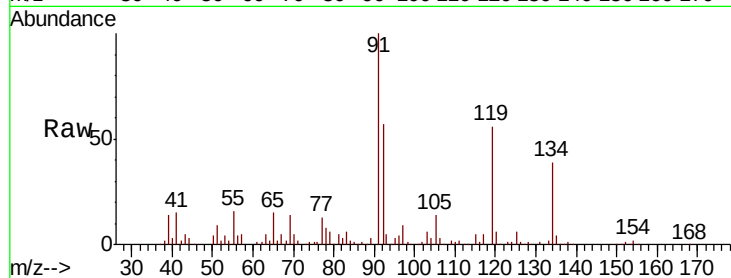
Tot Ion: 91 Resp: 118427

Ion Ratio Lower Upper

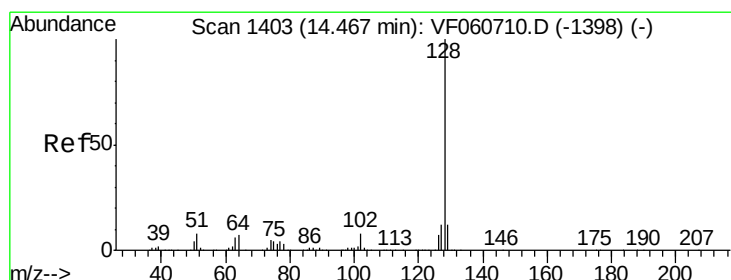
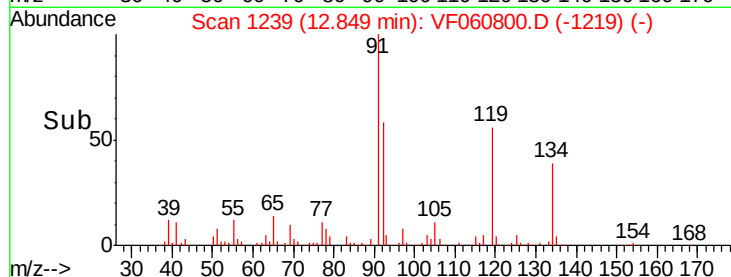
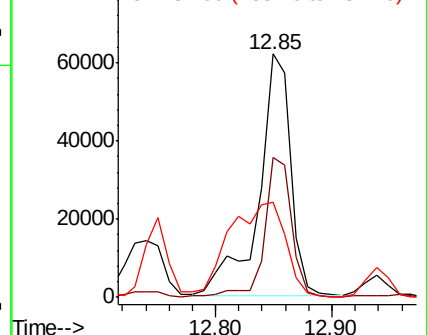
91 100

92 57.4 33.1 99.2

134 38.9 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 42.627 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060800.D

Acq: 20 Nov 2018 2:42

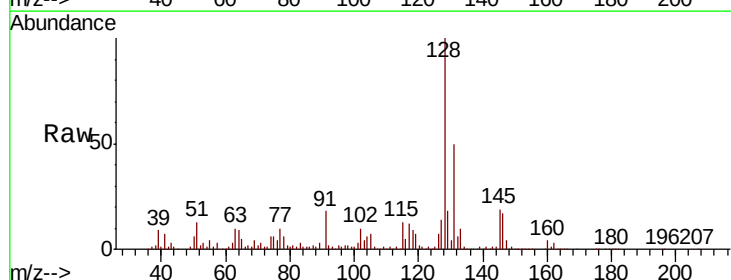
Tgt Ion: 128 Resp: 254480

Ion Ratio Lower Upper

128 100

127 14.2 9.8 14.6

129 17.8 9.3 13.9#



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

