

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061968.D
 Acq On : 15 Mar 2019 18:37
 Operator : VA/AP
 Sample : K1928-11
 Misc : 6.51a/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-2(1.5-2)

Quant Time: Mar 16 00:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

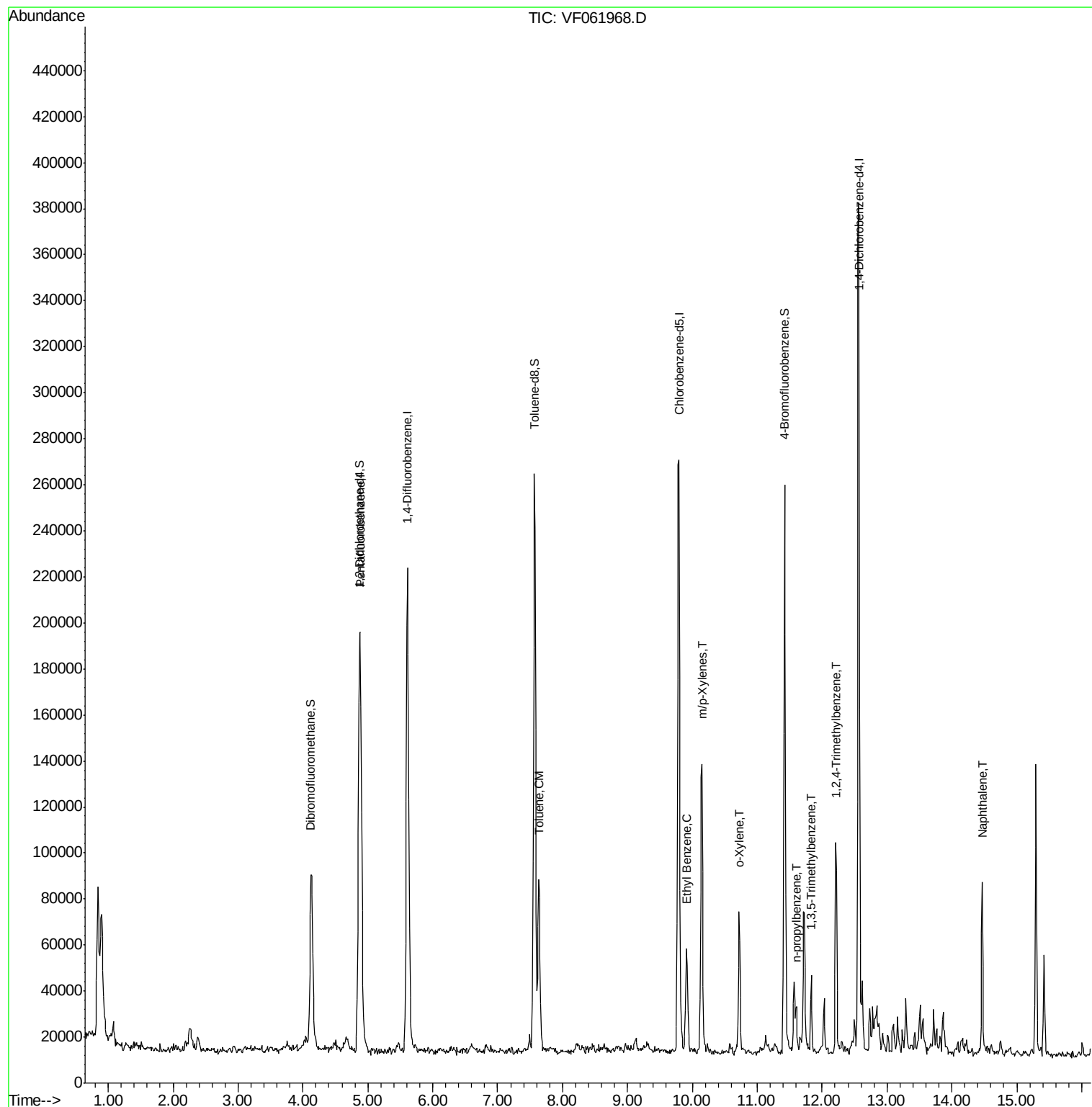
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	163666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	255428	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	215280	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	110596	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	62857	52.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.48%	
35) Dibromofluoromethane	4.13	113	77729	43.61	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.22%	
50) Toluene-d8	7.57	98	228813	43.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.38%	
62) 4-Bromofluorobenzene	11.42	95	94960	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.50%	
Target Compounds						
52) Toluene	7.63	92	44857	12.023	ug/l	90
67) Ethyl Benzene	9.91	91	38958	5.683	ug/l	98
68) m/p-Xylenes	10.15	106	48527	18.478	ug/l	92
69) o-Xylene	10.72	106	19560	6.917	ug/l	83
78) n-propylbenzene	11.61	91	14957	1.740	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	16455	2.692	ug/l	90
84) 1,2,4-Trimethylbenzene	12.21	105	53820	8.981	ug/l	93
95) Naphthalene	14.47	128	55739	13.541	ug/l	98

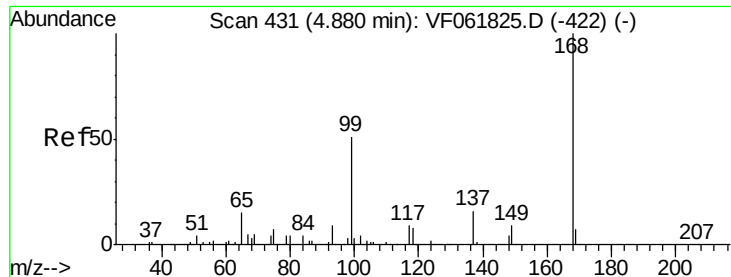
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061968.D
Acq On : 15 Mar 2019 18:37
Operator : VA/AP
Sample : K1928-11
Misc : 6.51g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-2(1.5-2)

Quant Time: Mar 16 00:36:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

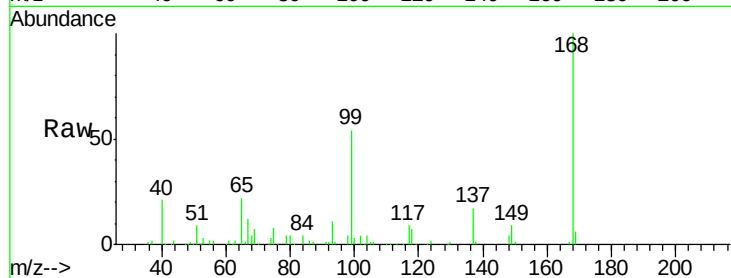
SI-2(1.5-2)

Tot Ion:168 Resp: 163666

Ion Ratio Lower Upper

168 100

99 54.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

50000

40000

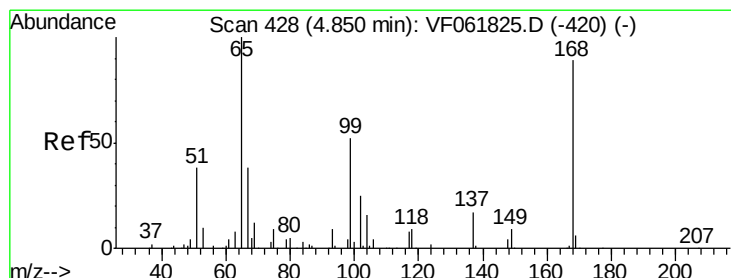
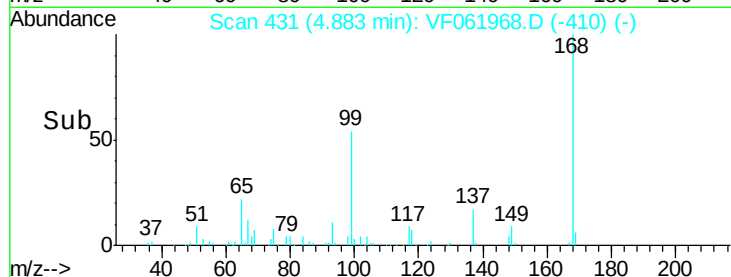
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 52.737 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061968.D

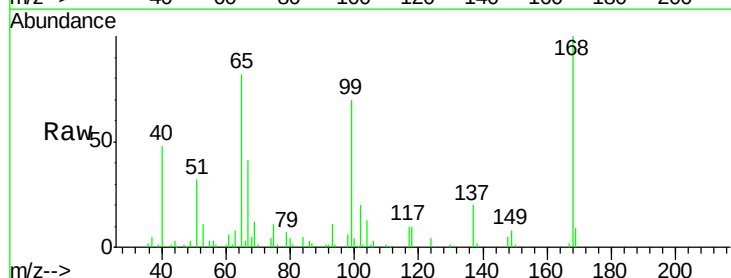
Acq: 15 Mar 2019 18:37

Tgt Ion: 65 Resp: 62857

Ion Ratio Lower Upper

65 100

67 50.2 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

25000

20000

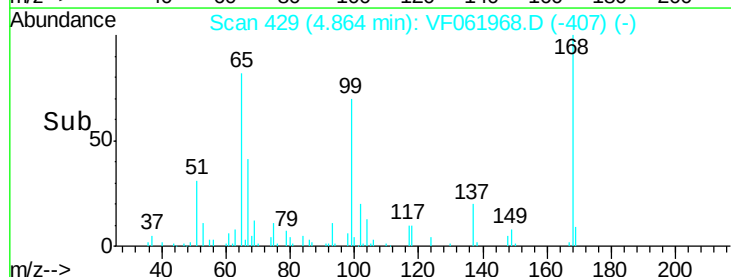
15000

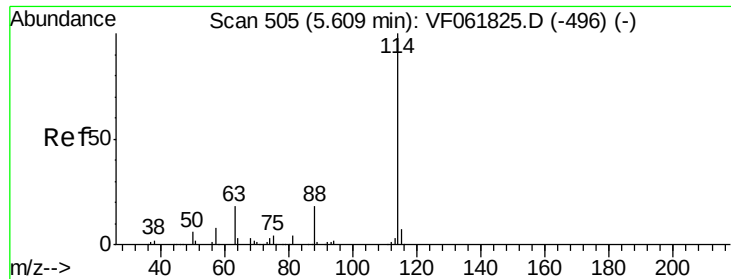
10000

5000

0

Time--> 4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

SI-2(1.5-2)

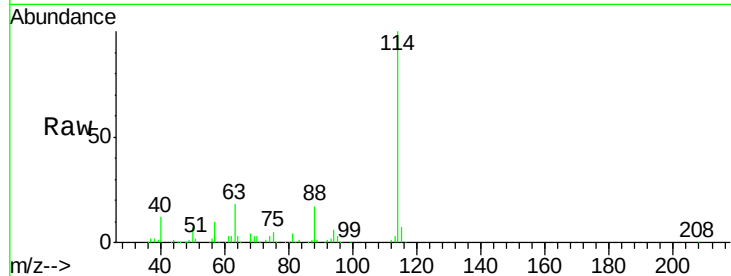
Tot Ion:114 Resp: 255428

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

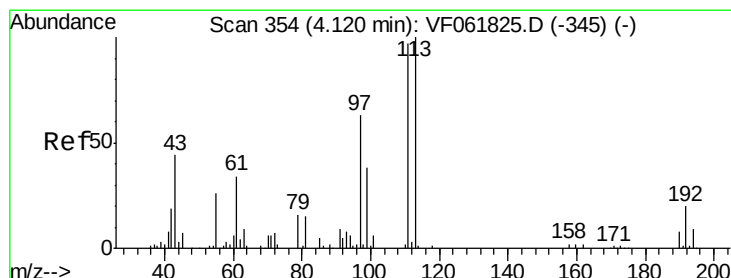
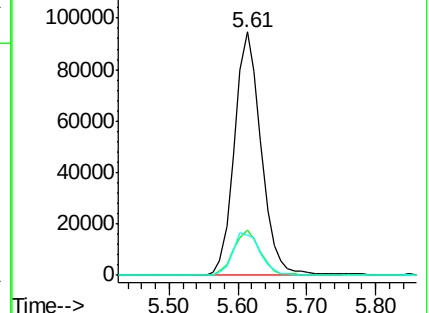
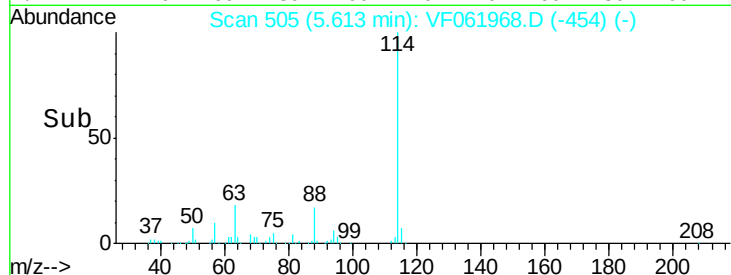
88 16.7 0.0 35.6



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: 43.605 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

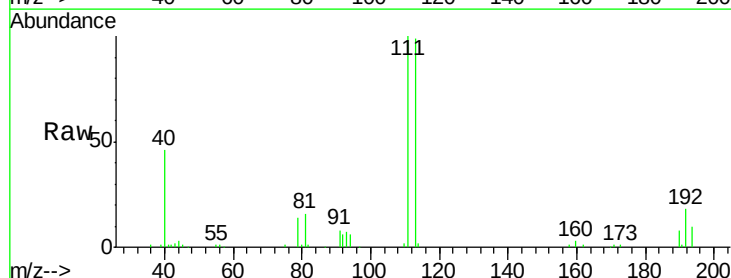
Tgt Ion:113 Resp: 77729

Ion Ratio Lower Upper

113 100

111 100.6 77.6 116.4

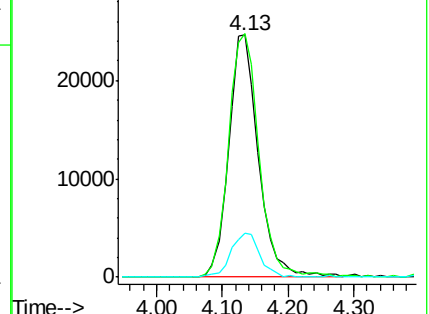
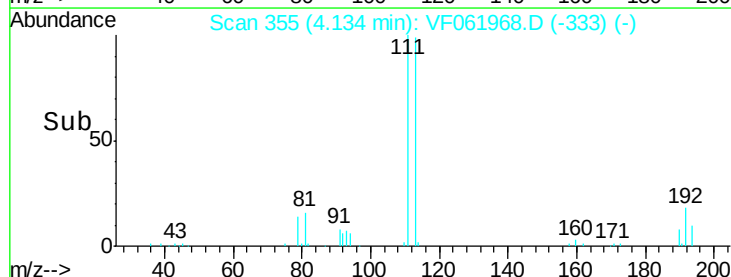
192 17.9 15.9 23.9

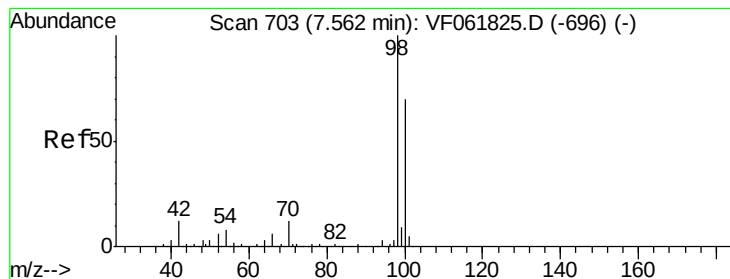


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 43.186 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

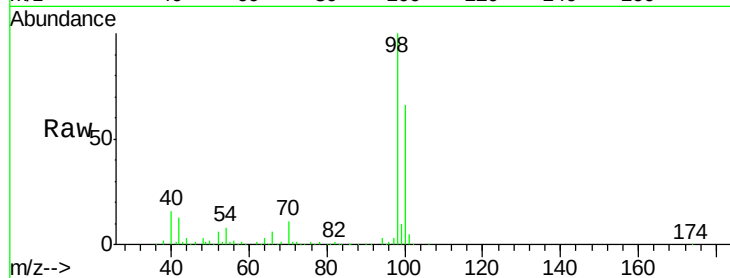
SI-2(1.5-2)

Tot Ion: 98 Resp: 228813

Ion Ratio Lower Upper

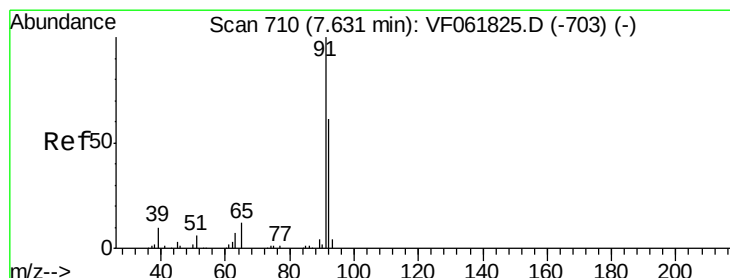
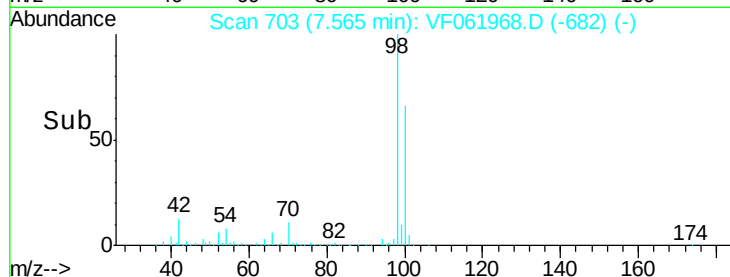
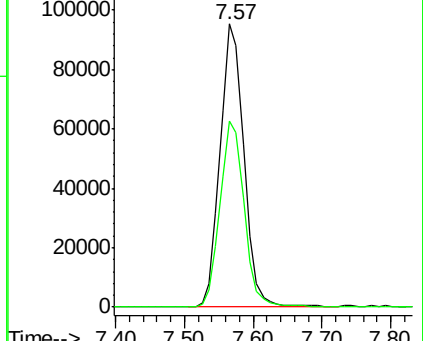
98 100

100 65.7 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 12.023 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061968.D

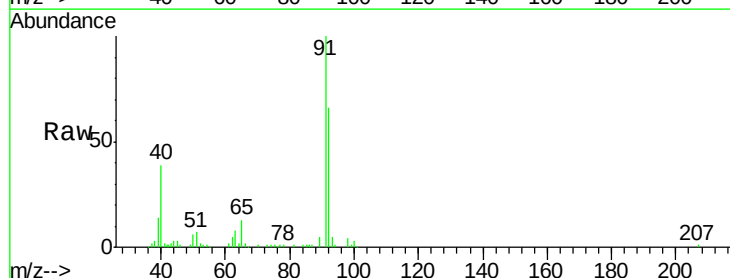
Acq: 15 Mar 2019 18:37

Tgt Ion: 92 Resp: 44857

Ion Ratio Lower Upper

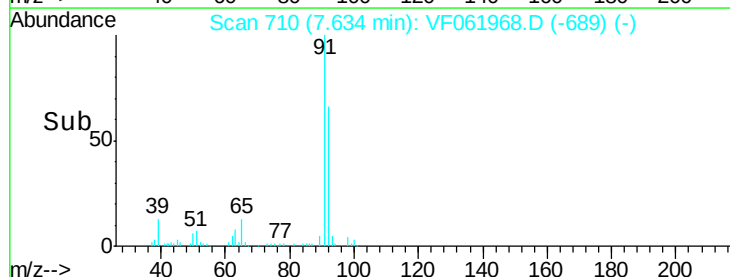
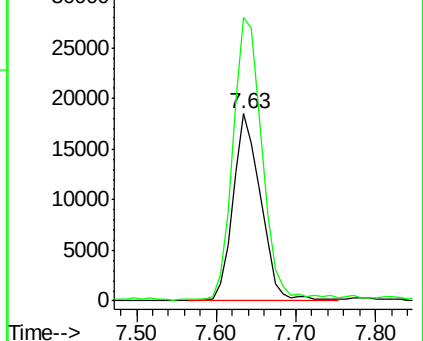
92 100

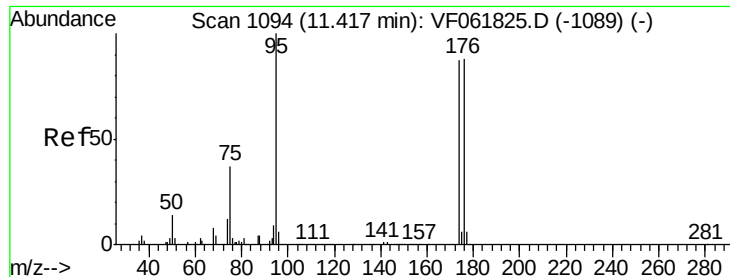
91 151.2 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 45.754 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

SI-2(1.5-2)

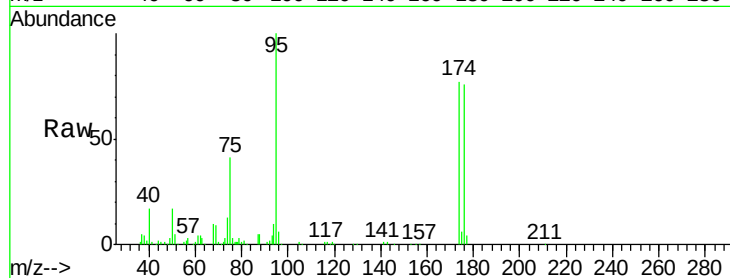
Tot Ion: 95 Resp: 94960

Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.0

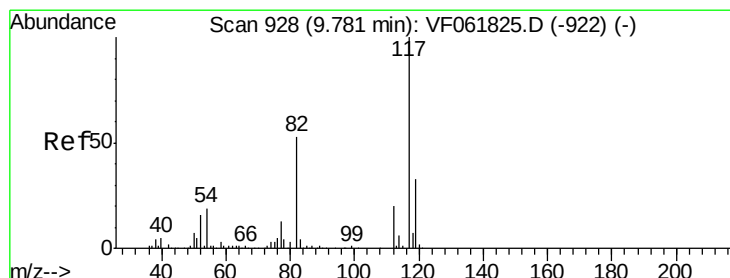
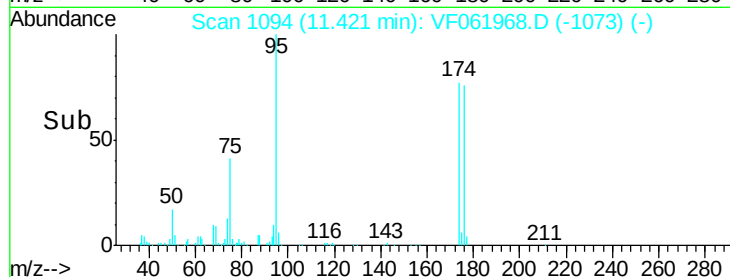
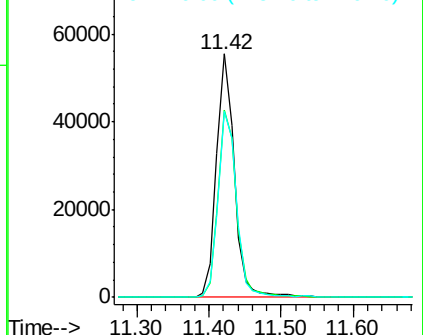
176 76.2 0.0 175.2



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: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

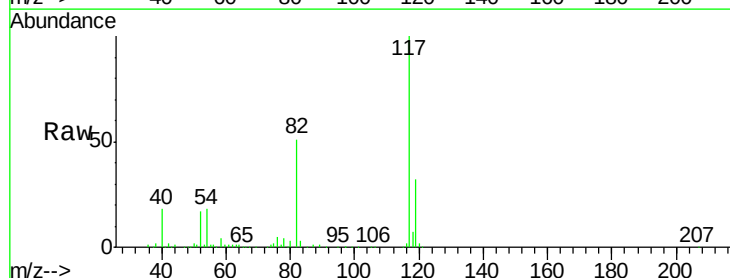
Tgt Ion: 117 Resp: 215280

Ion Ratio Lower Upper

117 100

82 51.2 42.6 63.8

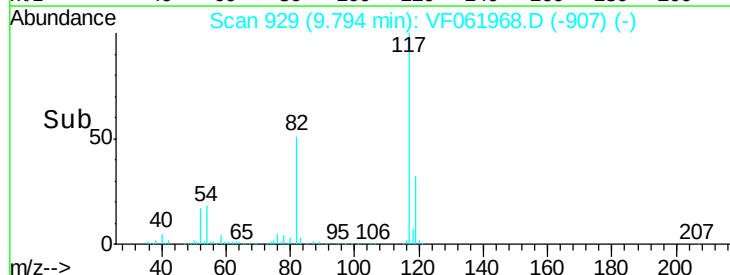
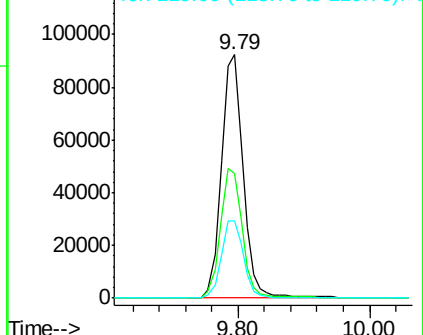
119 31.7 26.0 39.0

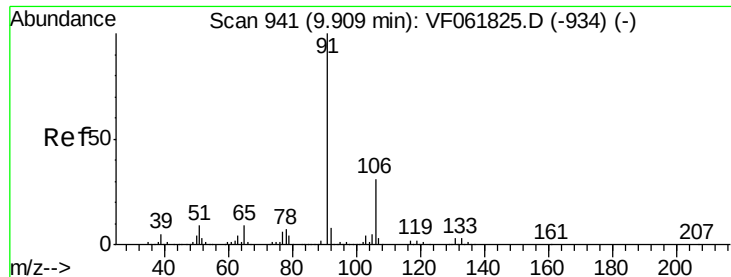


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#67

Ethyl Benzene

Concen: 5.683 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

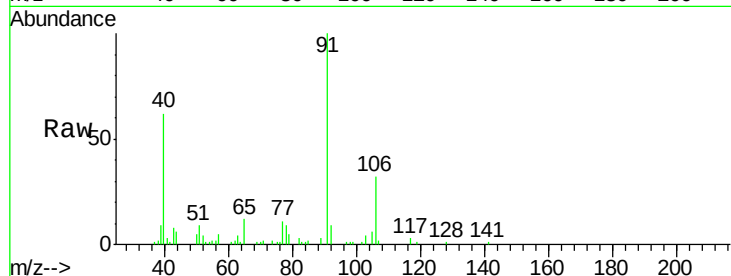
SI-2(1.5-2)

Tot Ion: 91 Resp: 38958

Ion Ratio Lower Upper

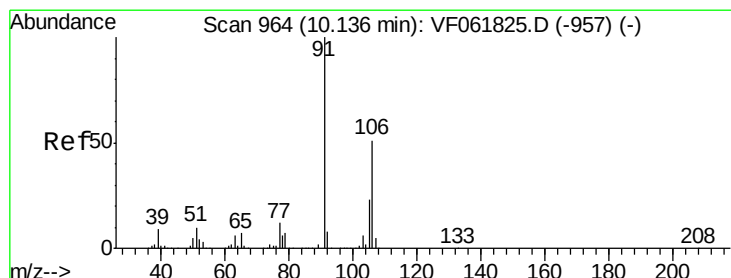
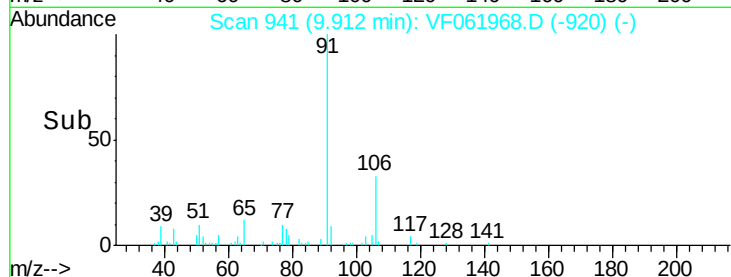
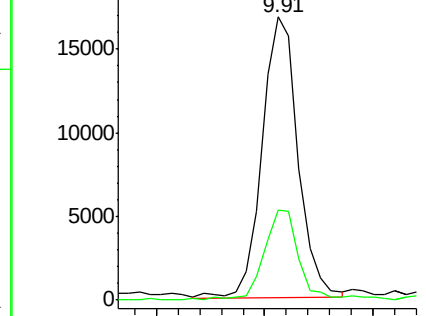
91 100

106 32.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 18.478 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF061968.D

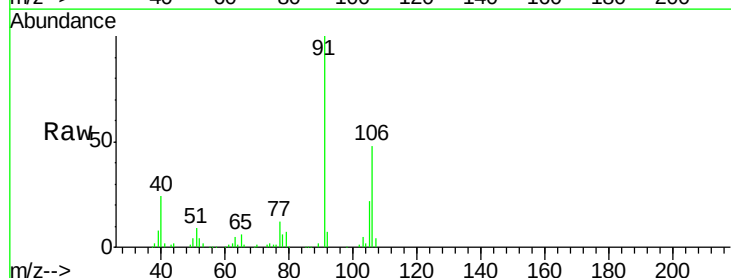
Acq: 15 Mar 2019 18:37

Tgt Ion: 106 Resp: 48527

Ion Ratio Lower Upper

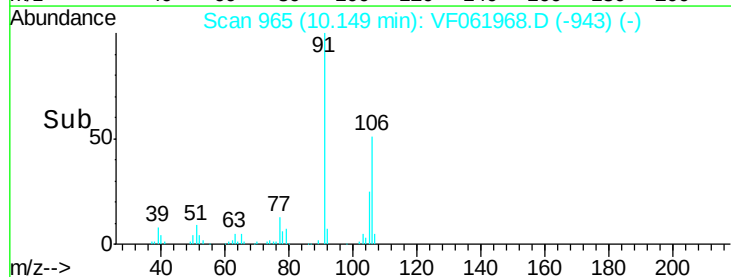
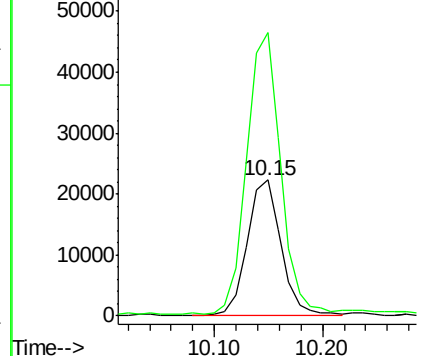
106 100

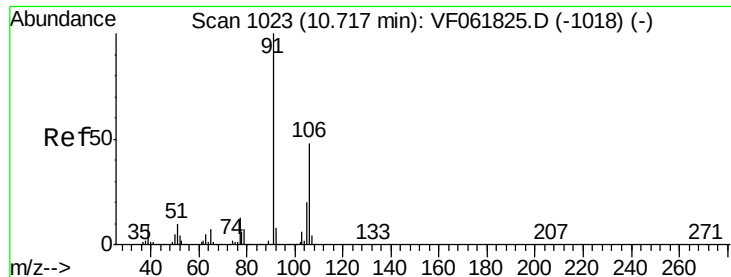
91 208.7 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

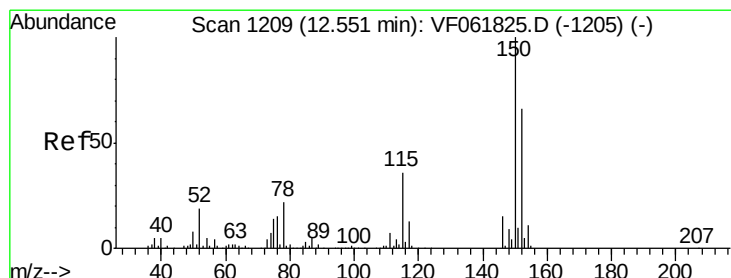
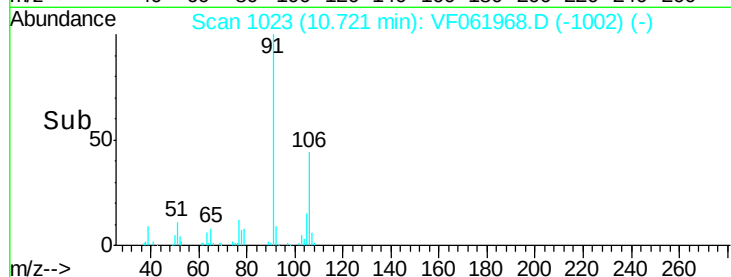
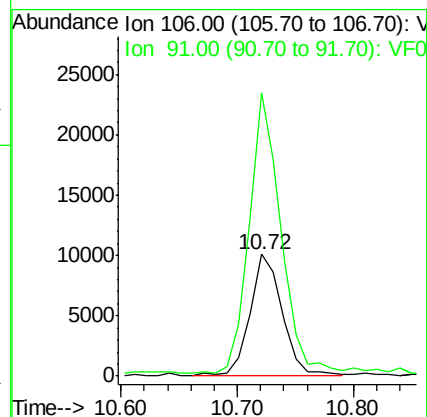
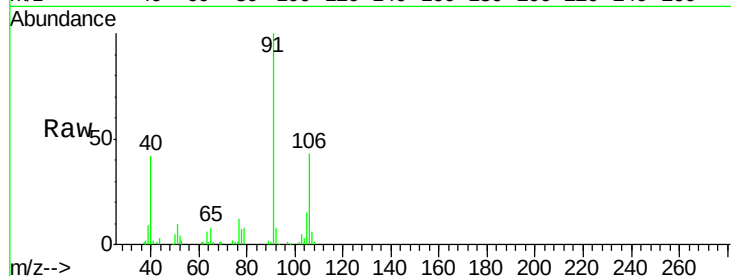




#69
o-Xylene
Concen: 6.917 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061968.D
Acq: 15 Mar 2019 18:37

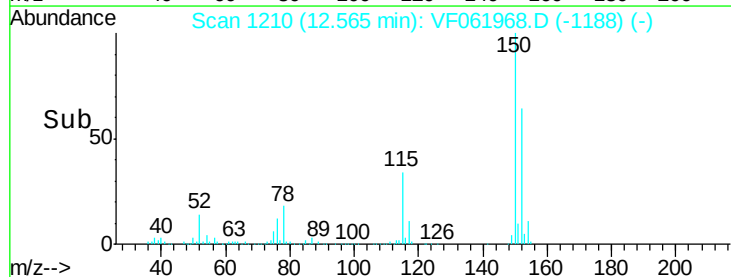
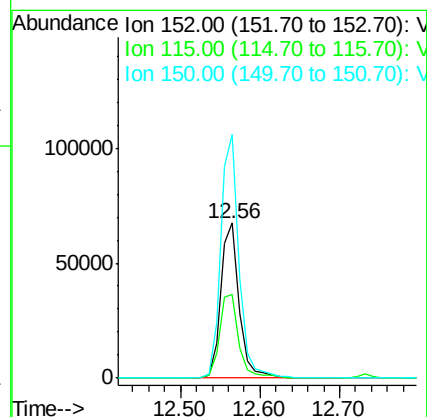
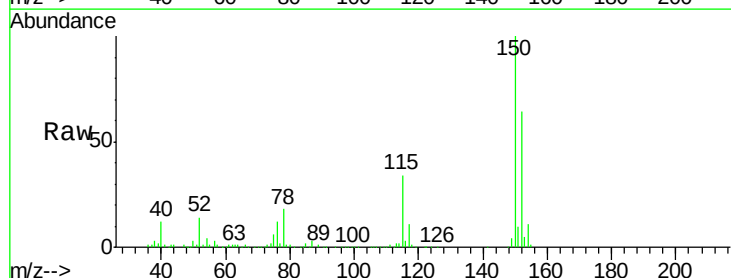
Instrument :
MSVOA_F
ClientSampleId :
SI-2(1.5-2)

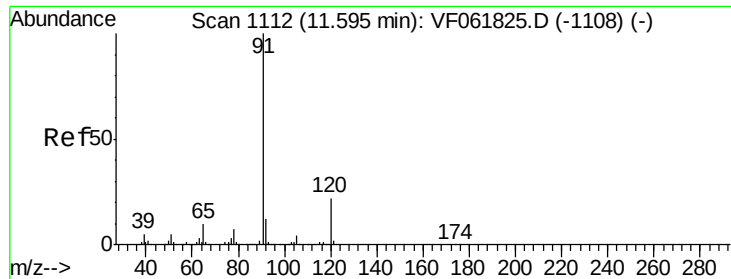
Tot Ion:106 Resp: 19560
Ion Ratio Lower Upper
106 100
91 232.7 103.5 310.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061968.D
Acq: 15 Mar 2019 18:37

Tgt Ion:152 Resp: 110596
Ion Ratio Lower Upper
152 100
115 54.0 27.7 83.1
150 156.9 0.0 304.2





#78

n-propylbenzene

Concen: 1.740 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF061968.D

Acq: 15 Mar 2019 18:37

Instrument :

MSVOA_F

ClientSampleId :

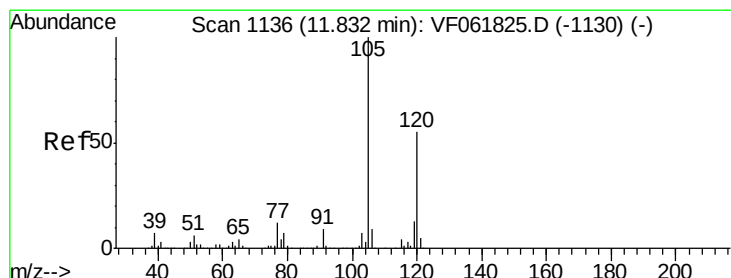
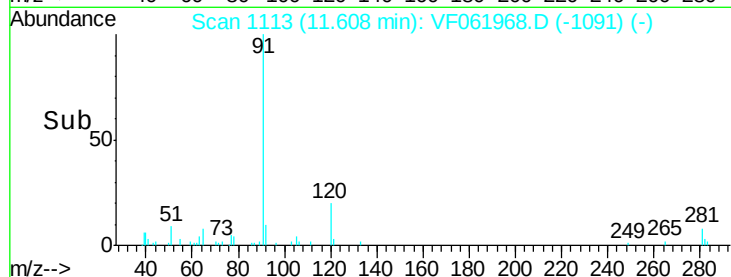
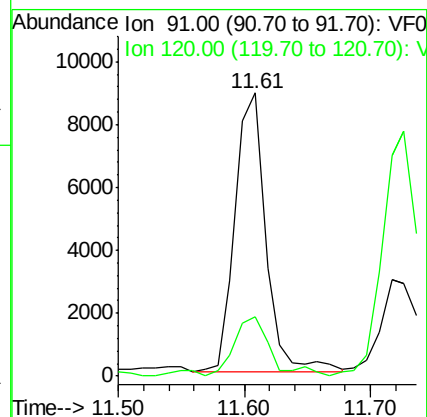
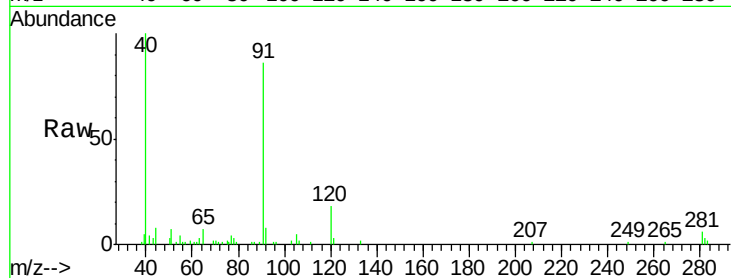
SI-2(1.5-2)

Tot Ion: 91 Resp: 14957

Ion Ratio Lower Upper

91 100

120 21.1 11.1 33.1



#80

1,3,5-Trimethylbenzene

Concen: 2.692 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061968.D

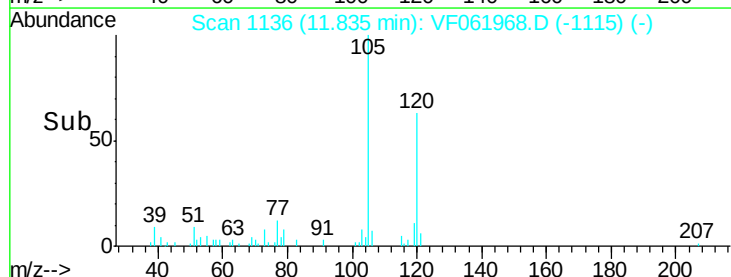
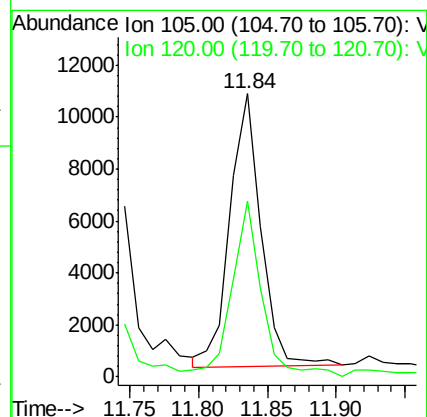
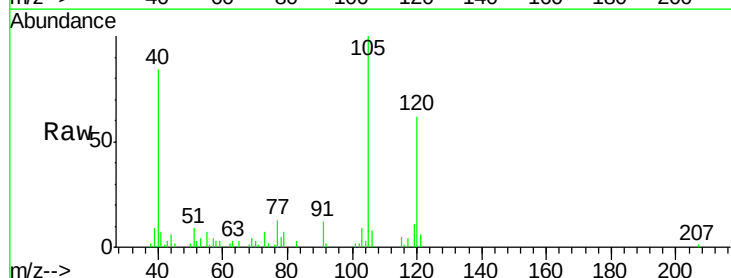
Acq: 15 Mar 2019 18:37

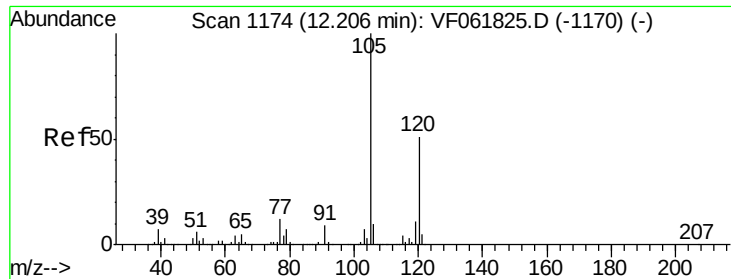
Tgt Ion: 105 Resp: 16455

Ion Ratio Lower Upper

105 100

120 61.9 27.4 82.2

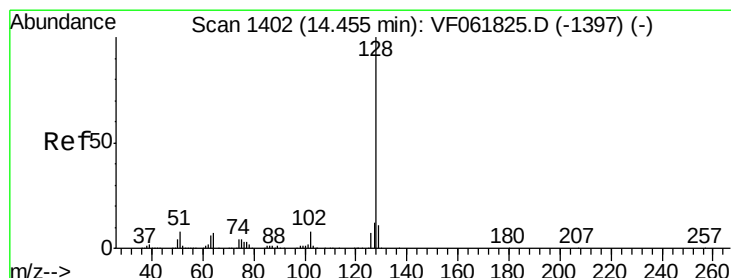
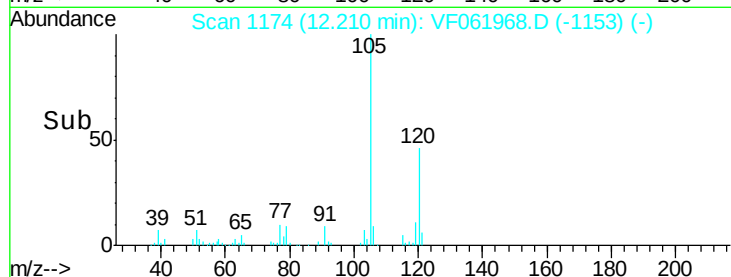
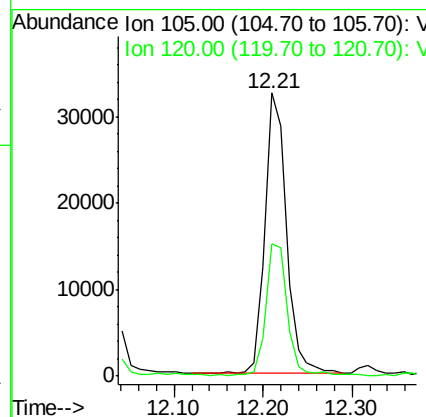
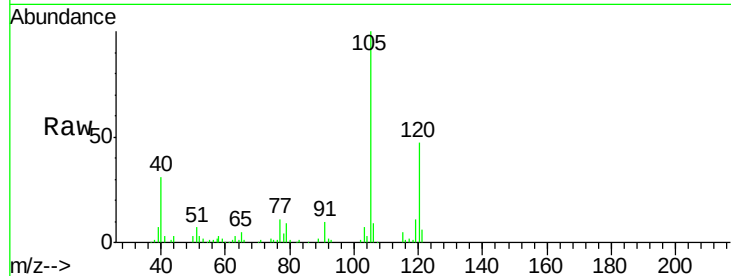




#84
 1,2,4-Trimethylbenzene
 Concen: 8.981 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061968.D
 Acq: 15 Mar 2019 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-2(1.5-2)

Tot Ion:105 Resp: 53820
 Ion Ratio Lower Upper
 105 100
 120 46.6 25.8 77.4



#95
 Naphthalene
 Concen: 13.541 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. 0.01 min
 Lab File: VF061968.D
 Acq: 15 Mar 2019 18:37

Tgt Ion:128 Resp: 55739
 Ion Ratio Lower Upper
 128 100
 127 11.6 9.3 13.9
 129 9.8 8.8 13.2

