

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\  
 Data File : VF062937.D  
 Acq On : 12 Jun 2019 19:40  
 Operator : FY/SY  
 Sample : K3344-02  
 Misc : 4.79g/5mL/MSVOA F/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 FK-0D015-03-007

Quant Time: Jun 13 09:10:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F053019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 31 04:18:30 2019  
 Response via : Initial Calibration

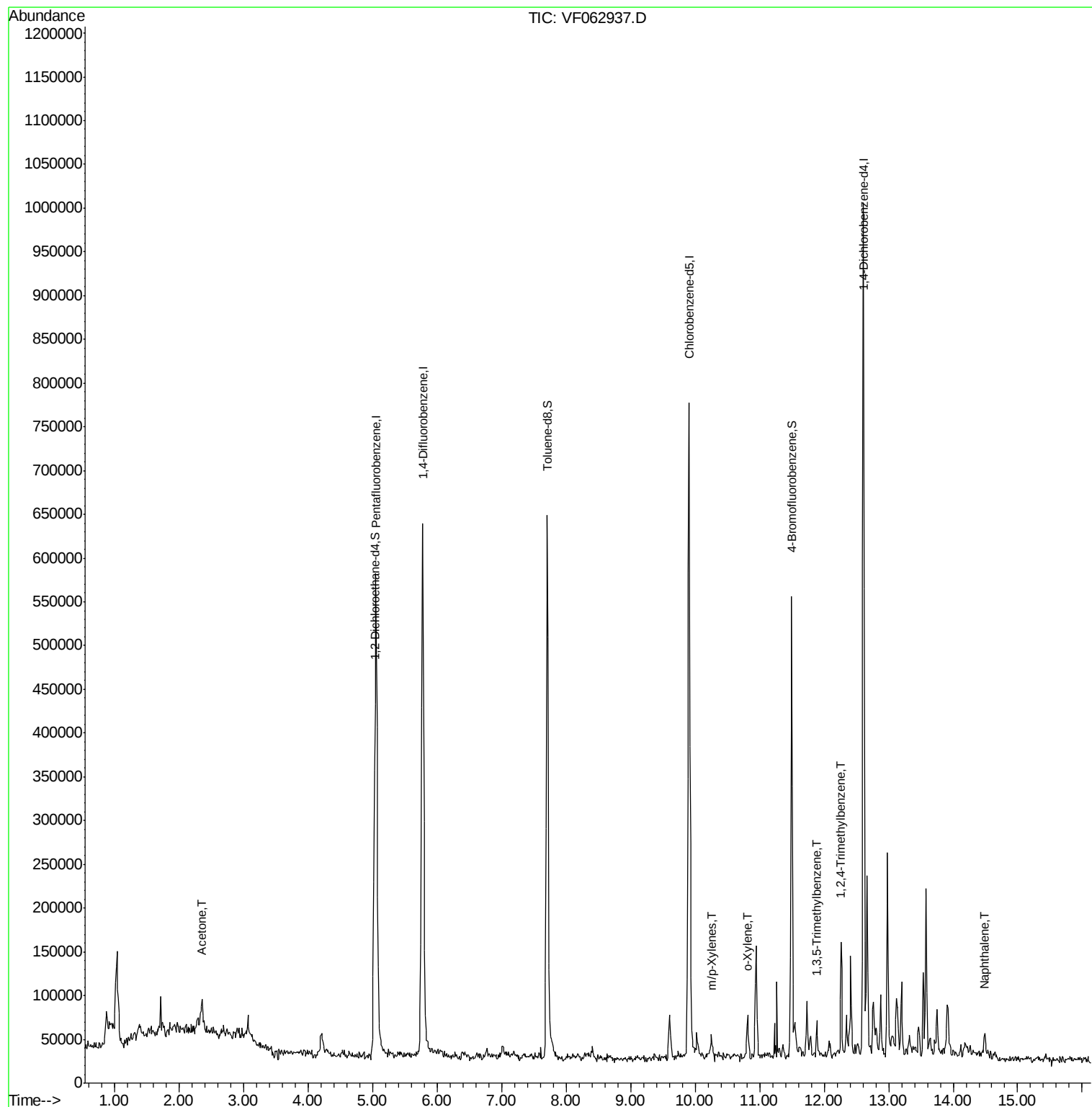
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.05  | 168  | 422891   | 50.00  | ug/l    | -0.03    |
| 34) 1,4-Difluorobenzene     | 5.78  | 114  | 773421   | 50.00  | ug/l    | -0.03    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 518539   | 50.00  | ug/l    | -0.03    |
| 72) 1,4-Dichlorobenzene-d4  | 12.61 | 152  | 233970   | 50.00  | ug/l    | -0.02    |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.03  | 65   | 163146   | 55.79  | ug/l    | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.58% |          |
| 35) Dibromofluoromethane    | 4.31  | 113  | 4382     | 0.75   | ug/l    | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 1.50%   |          |
| 50) Toluene-d8              | 7.71  | 98   | 509015   | 34.44  | ug/l    | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 68.88%  |          |
| 62) 4-Bromofluorobenzene    | 11.49 | 95   | 175365   | 32.99  | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 65.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.36  | 43   | 34850    | 52.069 | ug/l    | 92       |
| 68) m/p-Xylenes             | 10.26 | 106  | 8322     | 1.266  | ug/l    | 97       |
| 69) o-Xylene                | 10.81 | 106  | 11529    | 1.732  | ug/l    | 91       |
| 80) 1,3,5-Trimethylbenzene  | 11.89 | 105  | 17488    | 1.310  | ug/l    | 97       |
| 84) 1,2,4-Trimethylbenzene  | 12.26 | 105  | 64483    | 5.094  | ug/l    | 83       |
| 95) Naphthalene             | 14.49 | 128  | 16659    | 2.329  | ug/l    | 97       |

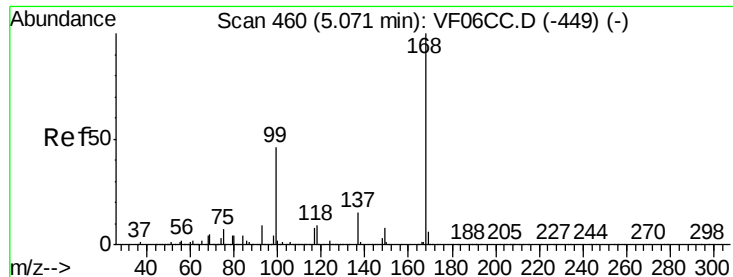
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\  
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FK-0D015-03-007

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Quant Title : SW846 8260  
QLast Update : Fri May 31 04:18:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

Instrument :

MSVOA\_F

ClientSampleId :

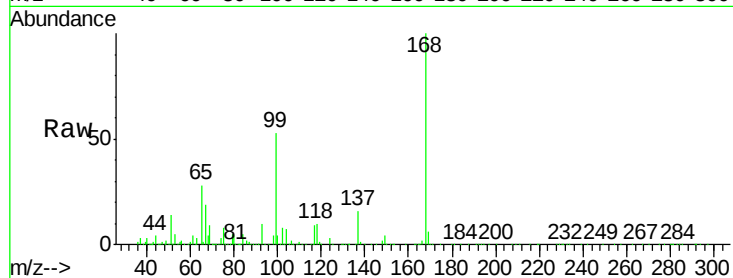
FK-0D015-03-007

Tot Ion:168 Resp: 422891

Ion Ratio Lower Upper

168 100

99 53.5 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

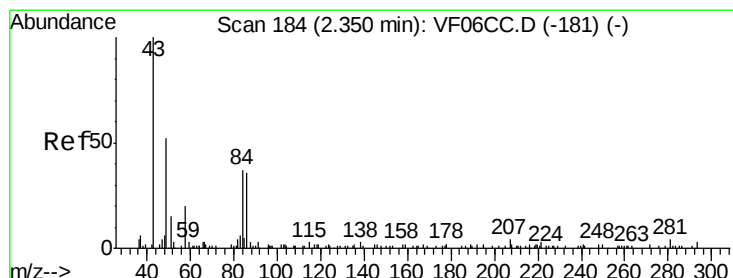
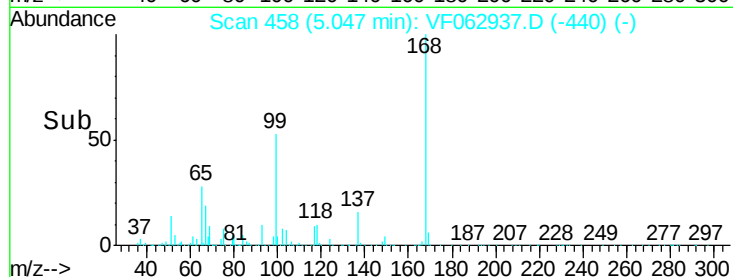
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 52.069 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062937.D

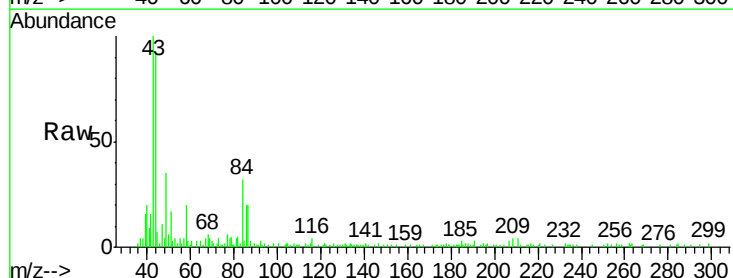
Acq: 12 Jun 2019 19:40

Tgt Ion: 43 Resp: 34850

Ion Ratio Lower Upper

43 100

58 19.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

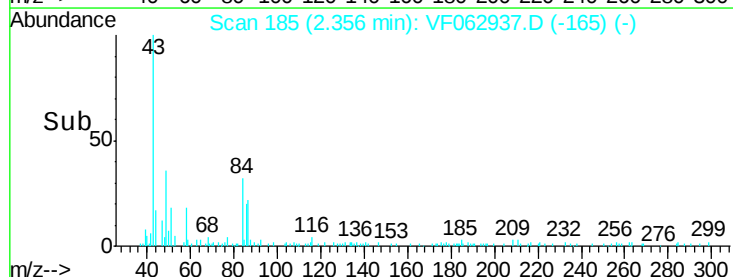
15000

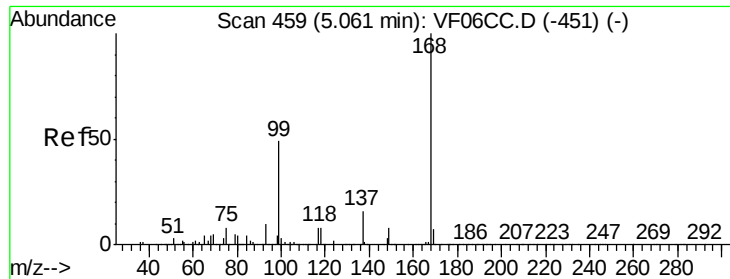
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.789 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

Instrument :

MSVOA\_F

ClientSampleId :

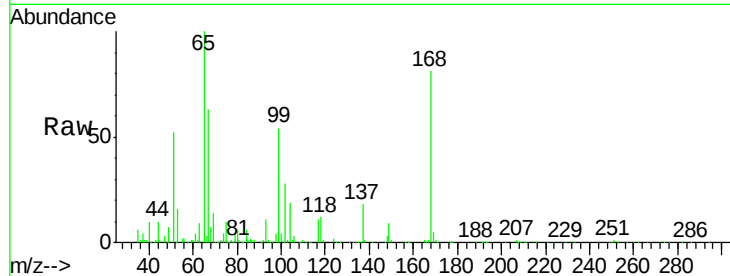
FK-0D015-03-007

Tot Ion: 65 Resp: 163146

Ion Ratio Lower Upper

65 100

67 62.6 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

60000

50000

40000

30000

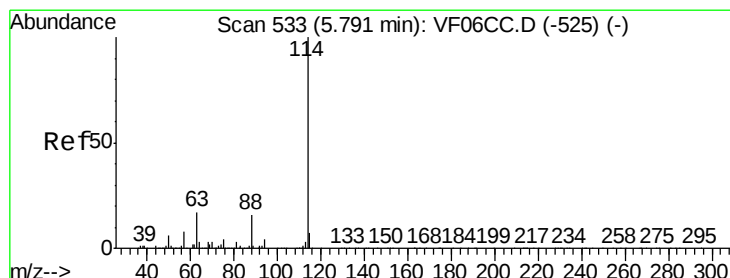
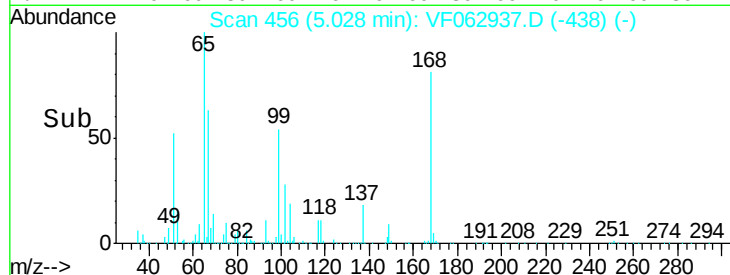
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

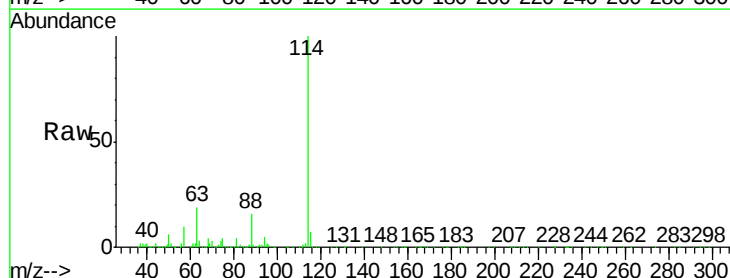
Tgt Ion: 114 Resp: 773421

Ion Ratio Lower Upper

114 100

63 19.4 0.0 34.2

88 16.3 0.0 31.2



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

300000

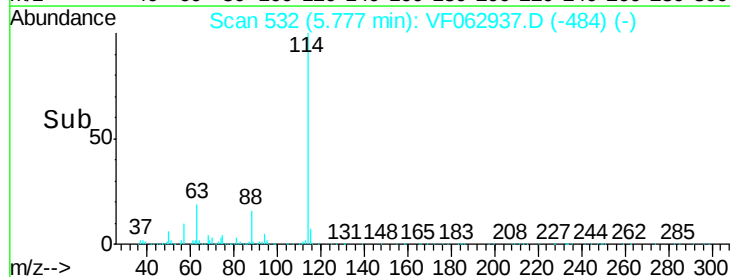
200000

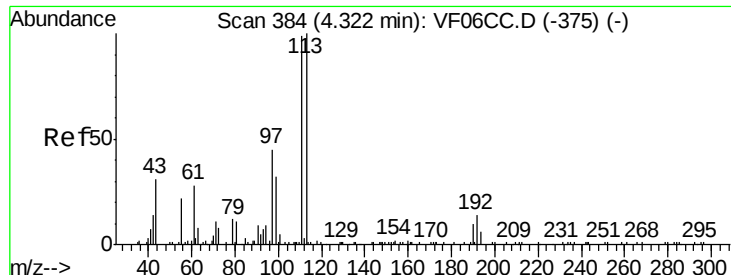
100000

0

Time-->

5.60 5.70 5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 0.750 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

Instrument :

MSVOA\_F

ClientSampleId :

FK-0D015-03-007

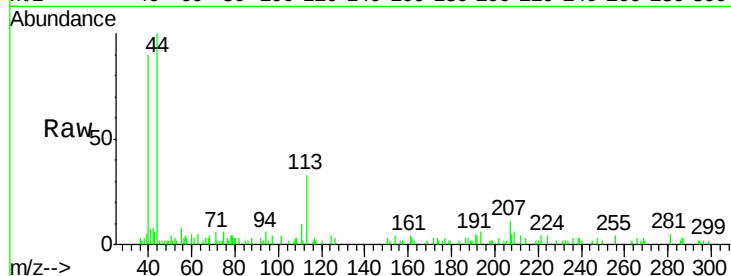
Tot Ion:113 Resp: 4382

Ion Ratio Lower Upper

113 100

111 35.3 81.9 122.9#

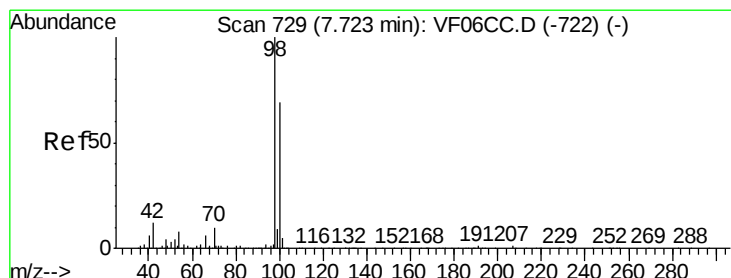
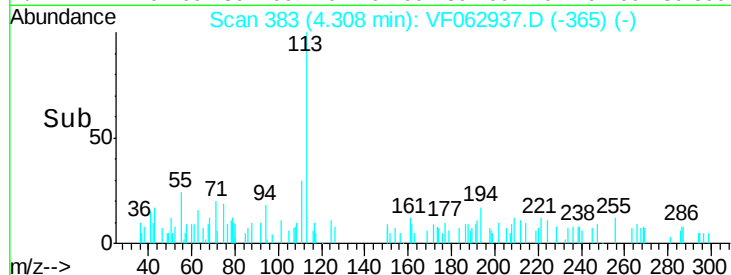
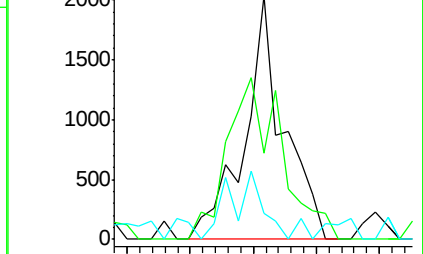
192 10.7 15.1 22.7#



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: 34.442 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062937.D

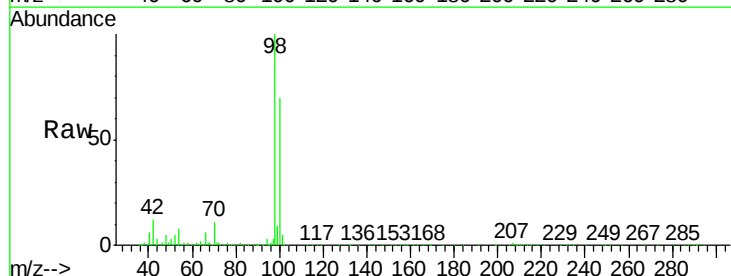
Acq: 12 Jun 2019 19:40

Tgt Ion: 98 Resp: 509015

Ion Ratio Lower Upper

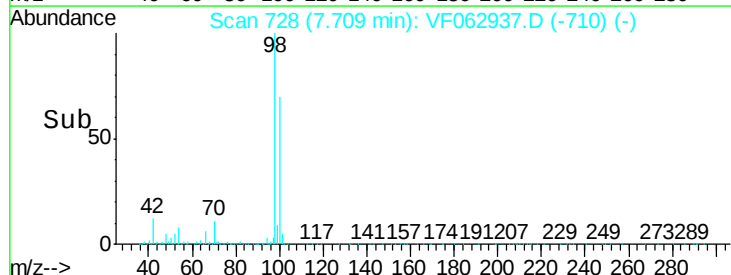
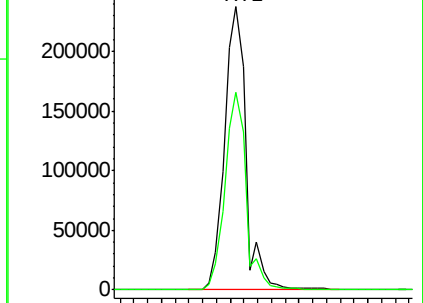
98 100

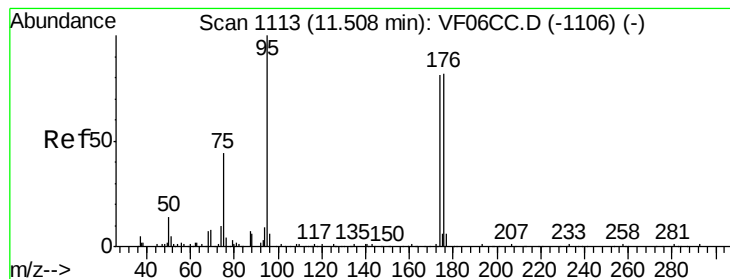
100 69.6 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 32.987 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

Instrument :

MSVOA\_F

ClientSampleId :

FK-0D015-03-007

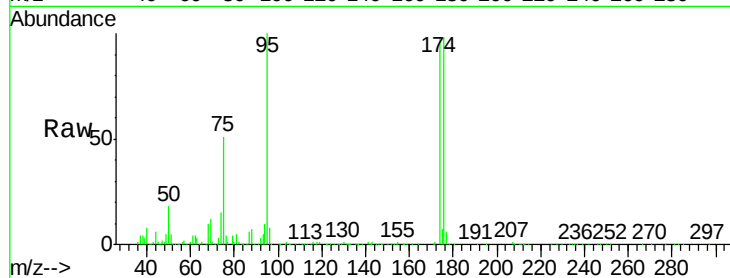
Tot Ion: 95 Resp: 175365

Ion Ratio Lower Upper

95 100

174 98.0 0.0 170.6

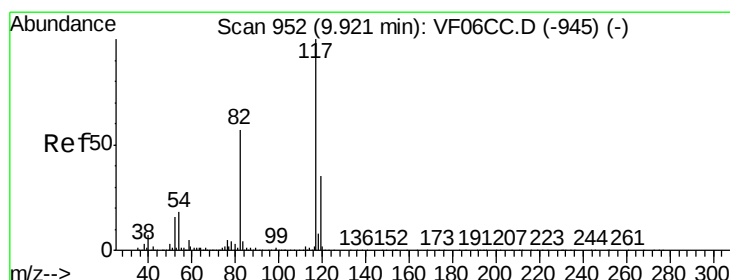
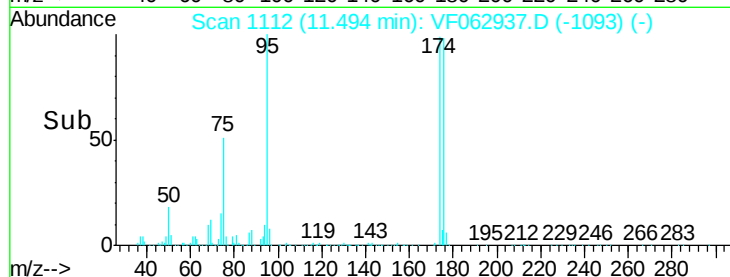
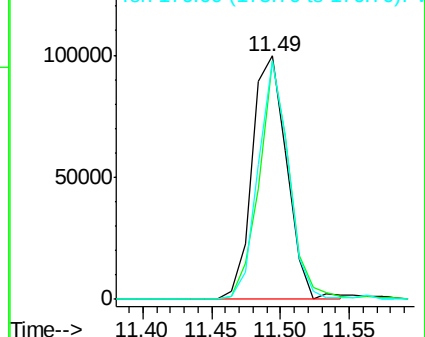
176 97.8 0.0 170.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

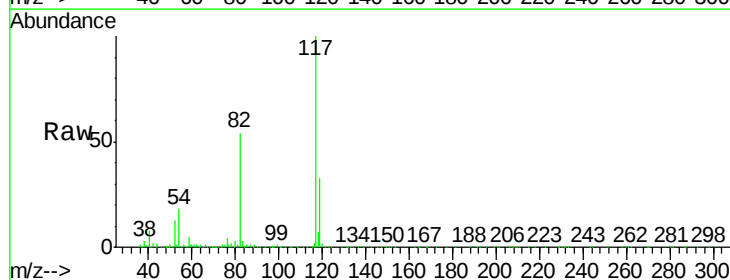
Tgt Ion: 117 Resp: 518539

Ion Ratio Lower Upper

117 100

82 54.1 42.4 63.6

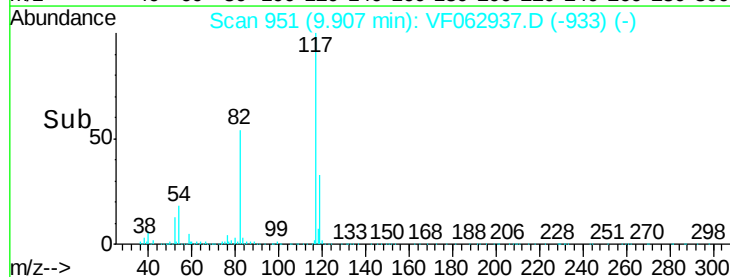
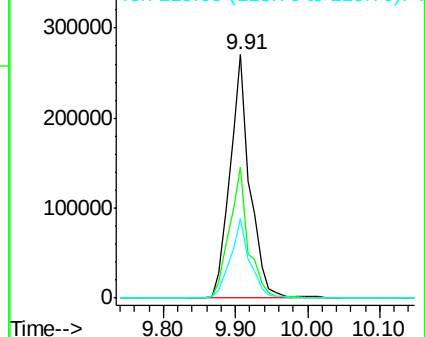
119 32.7 27.1 40.7

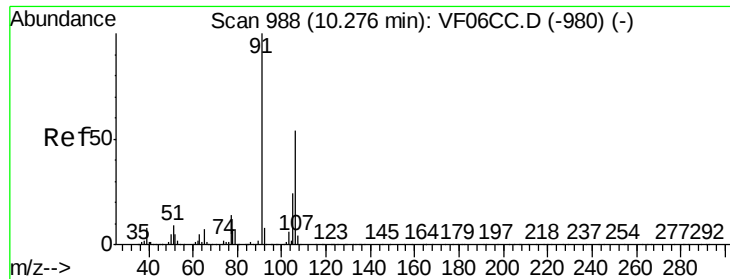


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

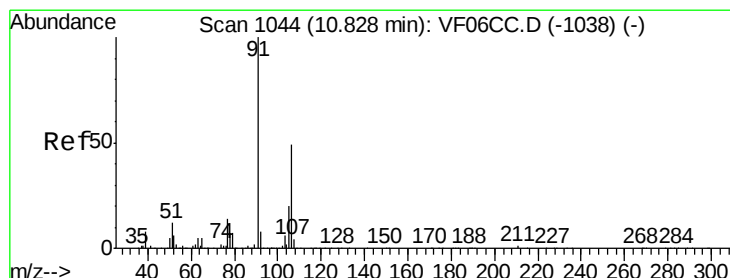
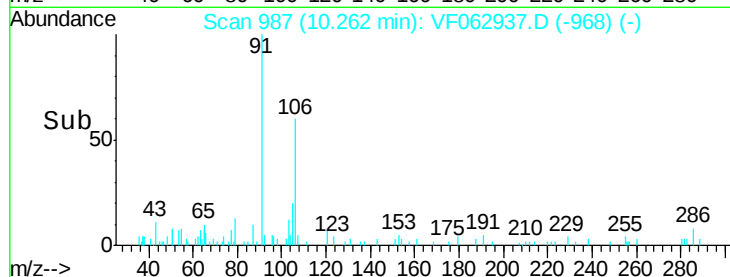
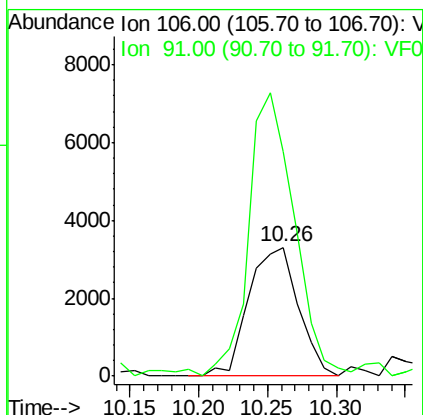
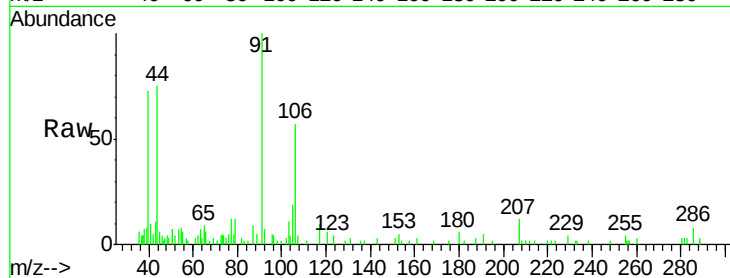




#68  
m/p-Xylenes  
Concen: 1.266 ug/l  
RT: 10.26 min Scan# 987  
Delta R.T. -0.02 min  
Lab File: VF062937.D  
Acq: 12 Jun 2019 19:40

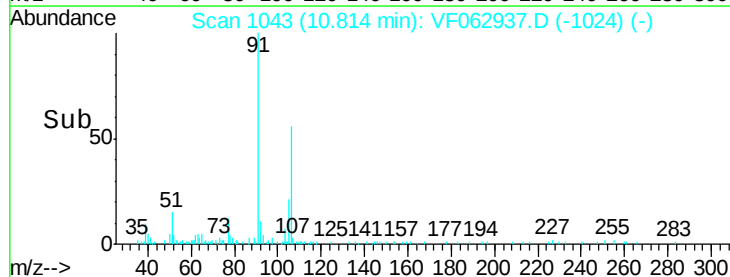
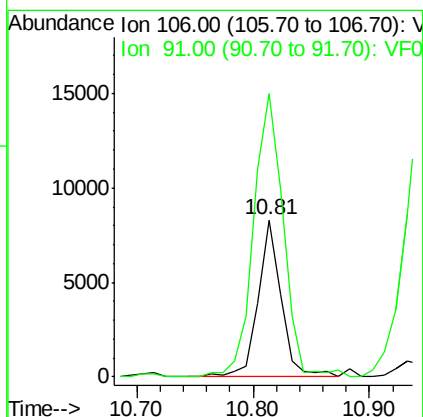
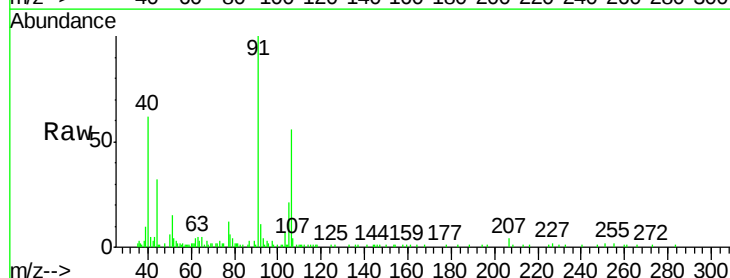
Instrument :  
MSVOA\_F  
ClientSampleId :  
FK-0D015-03-007

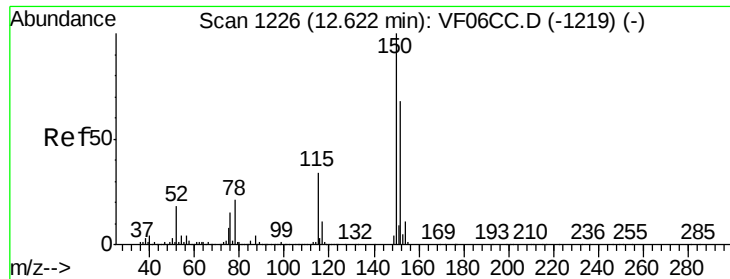
Tot Ion:106 Resp: 8322  
Ion Ratio Lower Upper  
106 100  
91 174.0 136.2 204.4



#69  
o-Xylene  
Concen: 1.732 ug/l  
RT: 10.81 min Scan# 1043  
Delta R.T. -0.02 min  
Lab File: VF062937.D  
Acq: 12 Jun 2019 19:40

Tgt Ion:106 Resp: 11529  
Ion Ratio Lower Upper  
106 100  
91 180.1 96.6 289.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062937.D

Acq: 12 Jun 2019 19:40

Instrument :

MSVOA\_F

ClientSampleId :

FK-0D015-03-007

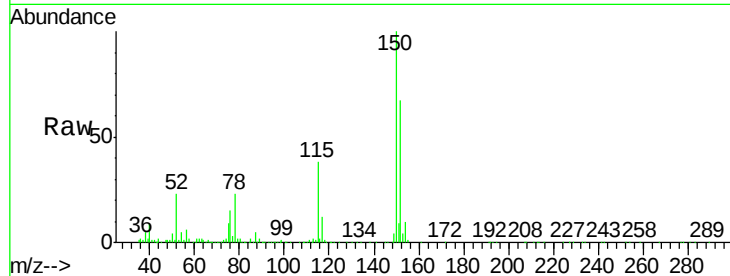
Tot Ion:152 Resp: 233970

Ion Ratio Lower Upper

152 100

115 57.5 24.6 74.0

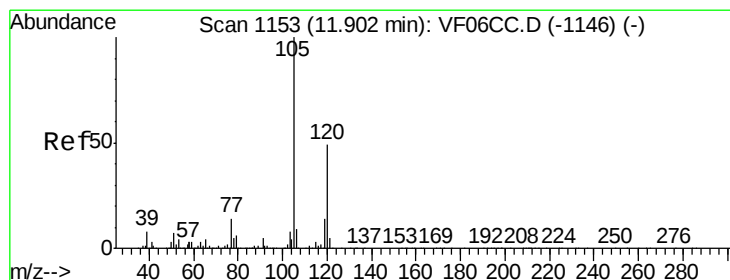
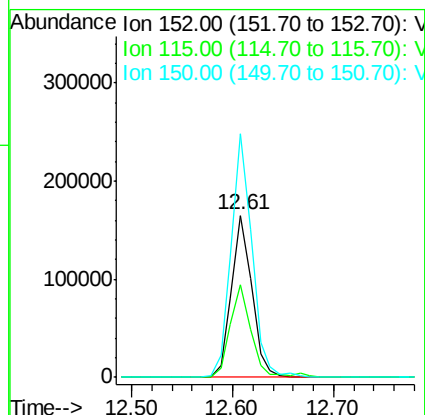
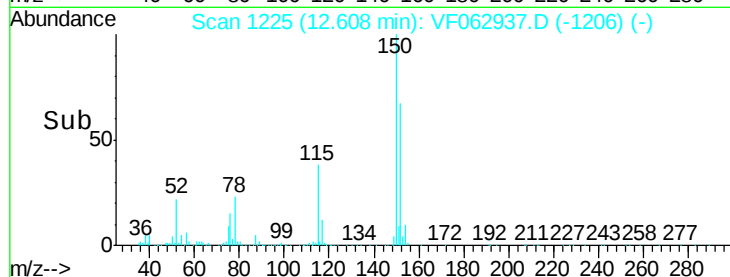
150 150.3 0.0 290.6



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



#80

1,3,5-Trimethylbenzene

Concen: 1.310 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF062937.D

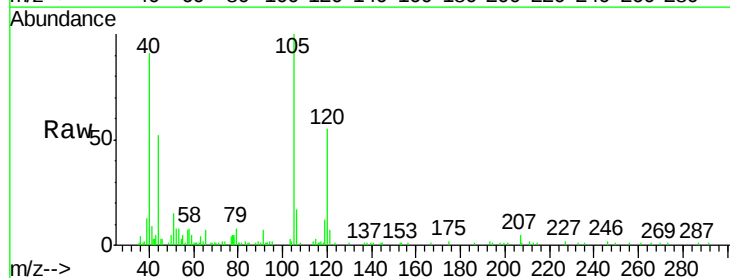
Acq: 12 Jun 2019 19:40

Tgt Ion:105 Resp: 17488

Ion Ratio Lower Upper

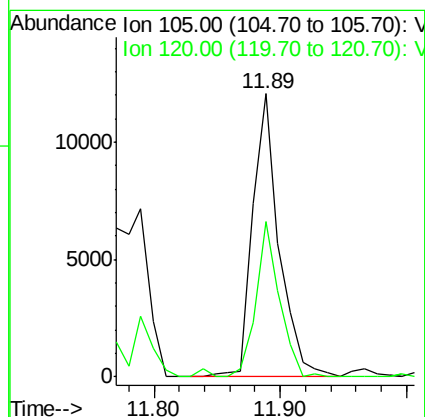
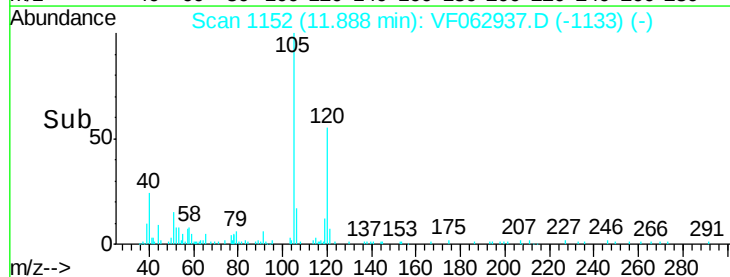
105 100

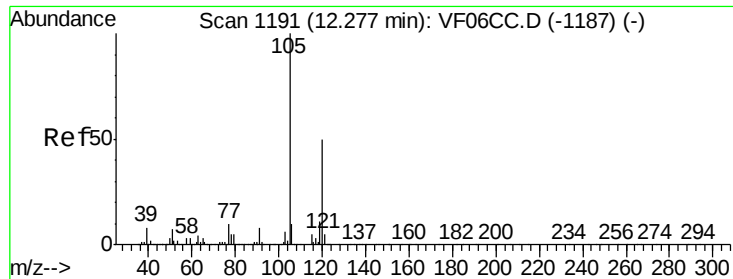
120 54.8 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

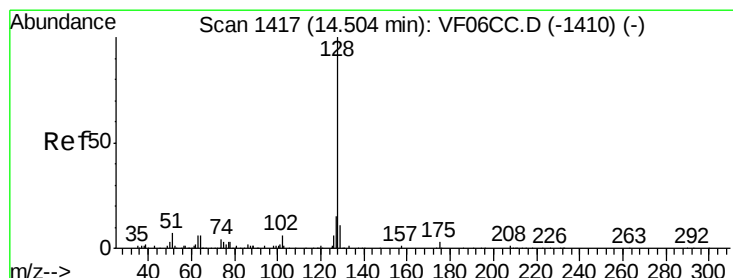
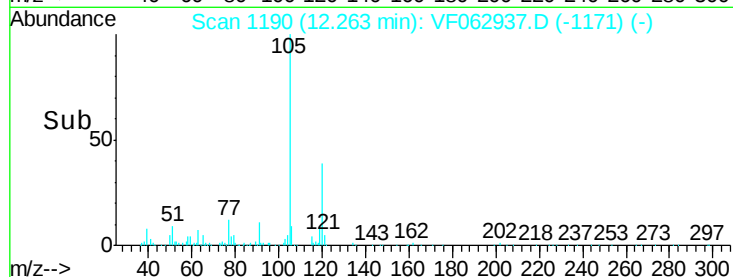
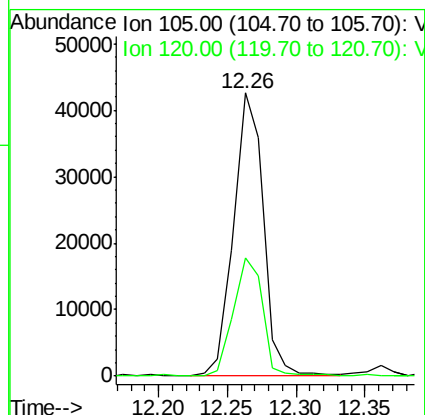
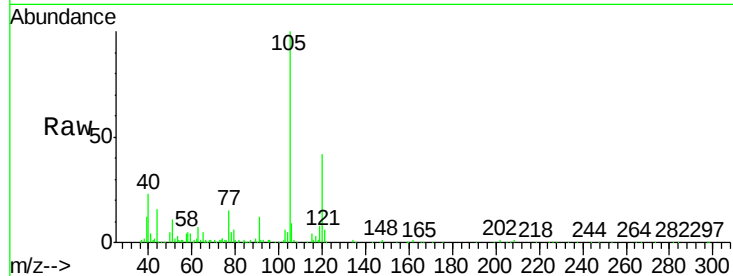




#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.094 ug/l  
 RT: 12.26 min Scan# 1190  
 Delta R.T. -0.02 min  
 Lab File: VF062937.D  
 Acq: 12 Jun 2019 19:40

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 FK-0D015-03-007

Tot Ion:105 Resp: 64483  
 Ion Ratio Lower Upper  
 105 100  
 120 41.7 27.1 81.3



#95  
 Naphthalene  
 Concen: 2.329 ug/l  
 RT: 14.49 min Scan# 1416  
 Delta R.T. -0.02 min  
 Lab File: VF062937.D  
 Acq: 12 Jun 2019 19:40

Tgt Ion:128 Resp: 16659  
 Ion Ratio Lower Upper  
 128 100  
 127 10.2 9.7 14.5  
 129 12.0 9.4 14.2

