

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\  
 Data File : VY002069.D  
 Acq On : 25 Mar 2020 16:07  
 Operator : SY/MD  
 Sample : L2029-05  
 Misc : 8.11G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1F-(0-2)

Quant Time: Mar 26 07:53:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

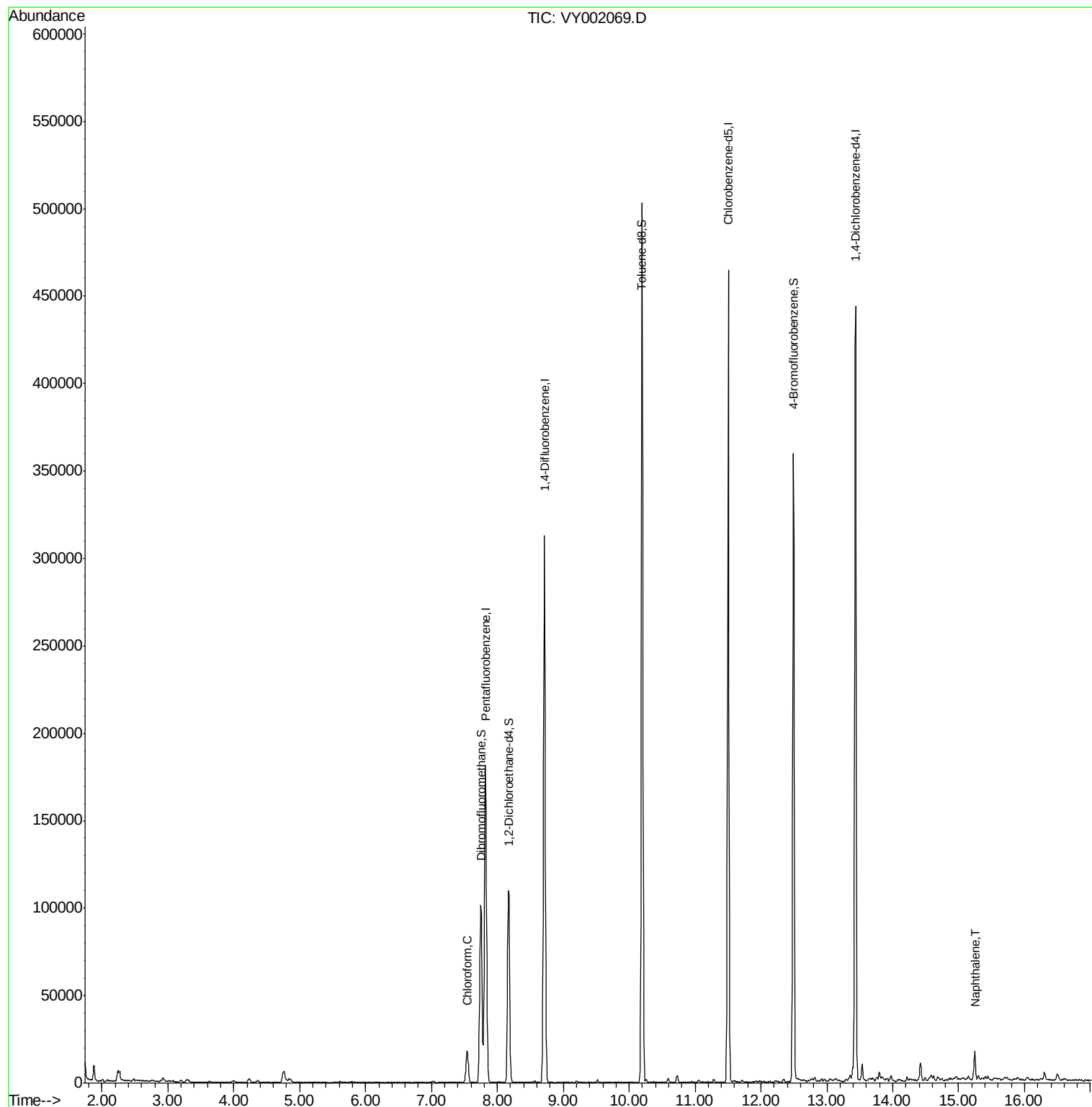
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 134222   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 260301   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 242455   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 107167   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 84434    | 58.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.84% |          |
| 35) Dibromofluoromethane    | 7.75  | 113  | 73749    | 51.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.78% |          |
| 50) Toluene-d8              | 10.19 | 98   | 323891   | 54.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.08% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 109885   | 52.73 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.46% |          |
| Target Compounds            |       |      |          |       |         |          |
| 30) Chloroform              | 7.54  | 83   | 17966    | 6.512 | ug/l    | 100      |
| 95) Naphthalene             | 15.25 | 128  | 11916    | 2.510 | ug/l    | 98       |

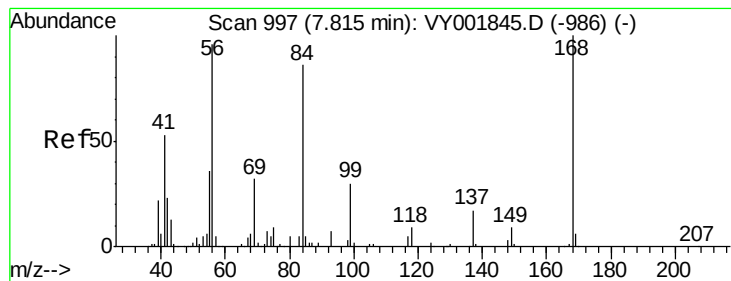
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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SB-1F-(0-2)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

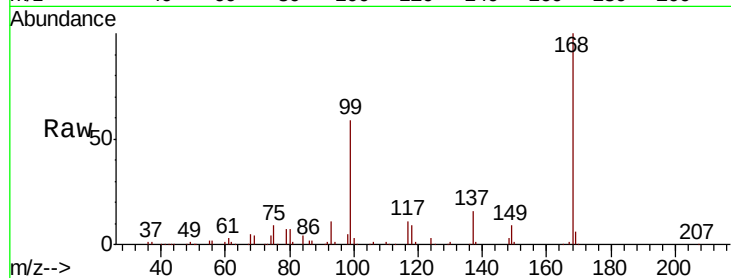
SB-1F-(0-2)

Tot Ion:168 Resp: 134222

Ion Ratio Lower Upper

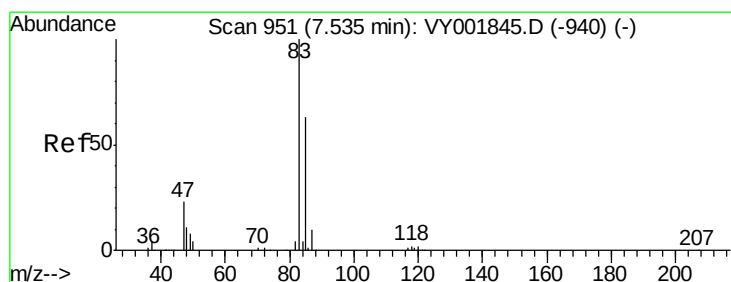
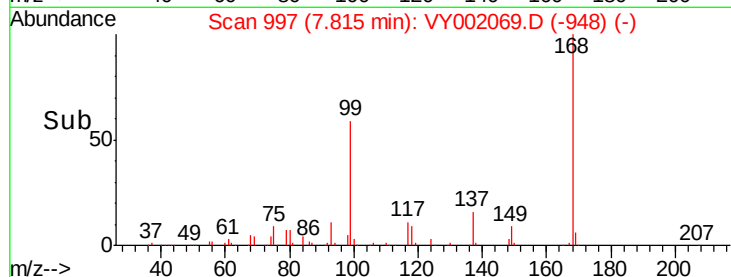
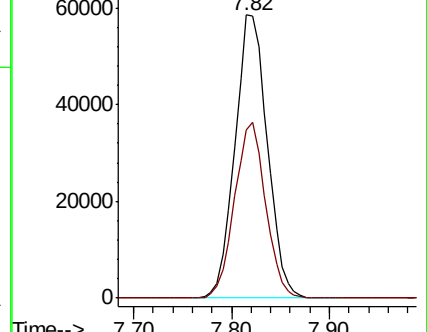
168 100

99 59.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#30

Chloroform

Concen: 6.512 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY002069.D

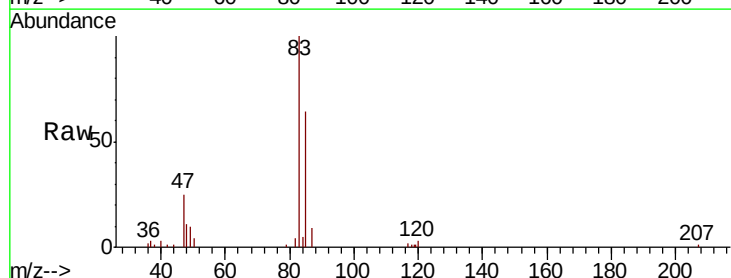
Acq: 25 Mar 2020 16:07

Tgt Ion: 83 Resp: 17966

Ion Ratio Lower Upper

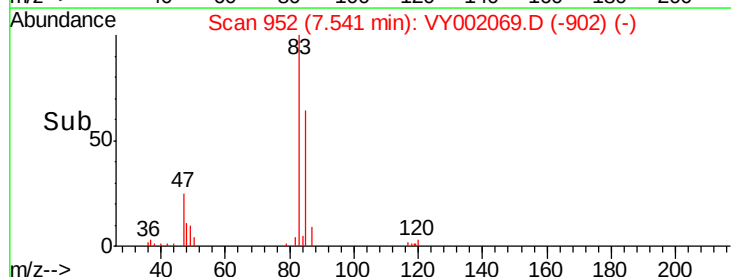
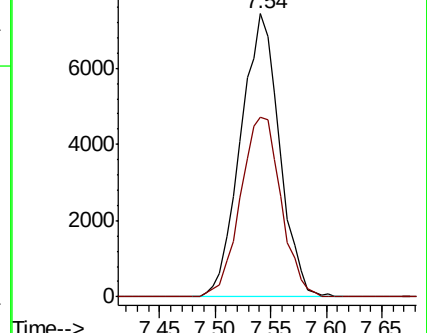
83 100

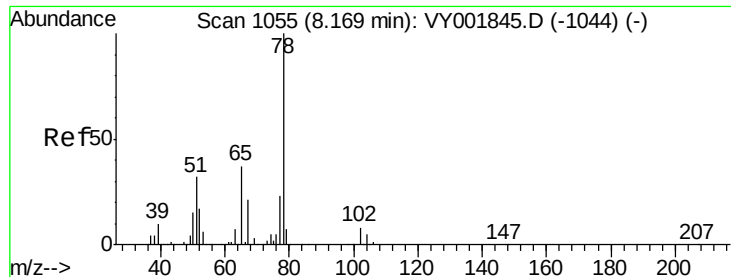
85 63.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VY001845.D (-940) (-)

Ion 84.90 (84.60 to 85.60): VY001845.D (-940) (-)

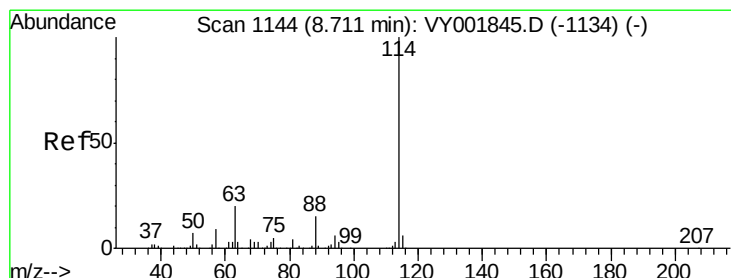
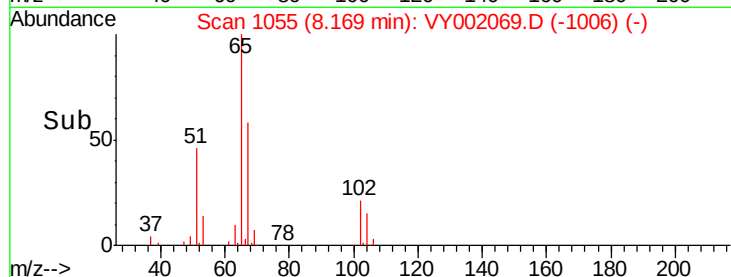
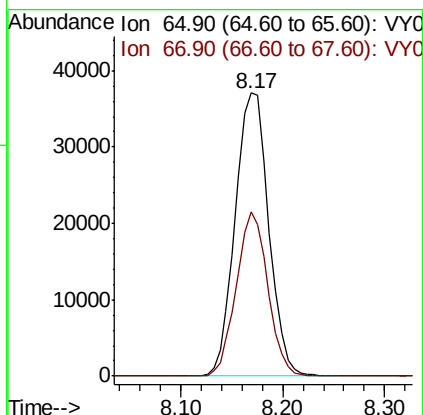
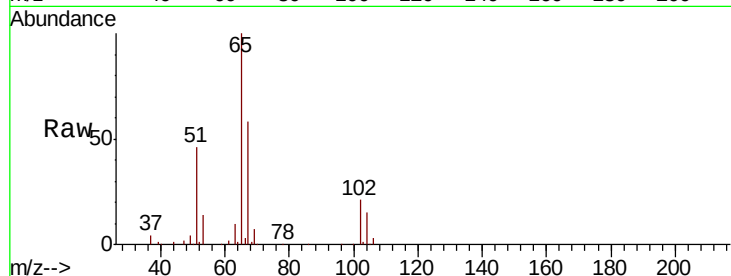




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.925 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.00 min  
 Lab File: VY002069.D  
 Acq: 25 Mar 2020 16:07

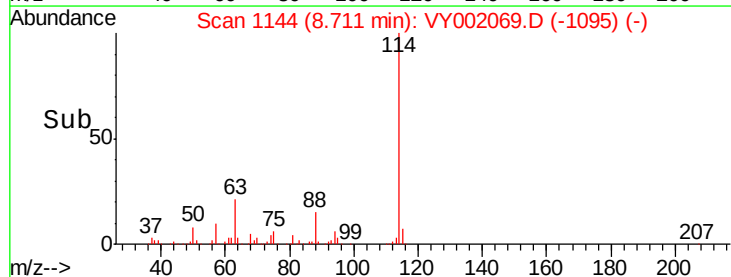
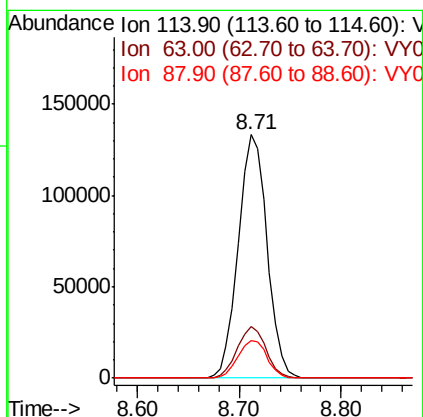
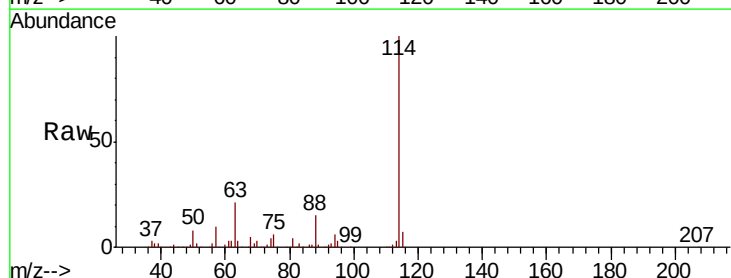
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1F-(0-2)

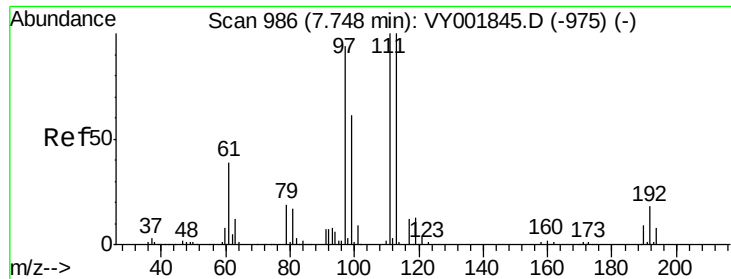
Tot Ion: 65 Resp: 84434  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY002069.D  
 Acq: 25 Mar 2020 16:07

Tgt Ion: 114 Resp: 260301  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 39.4  
 88 15.3 0.0 30.4

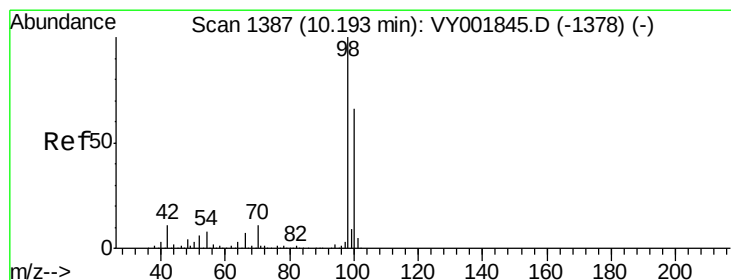
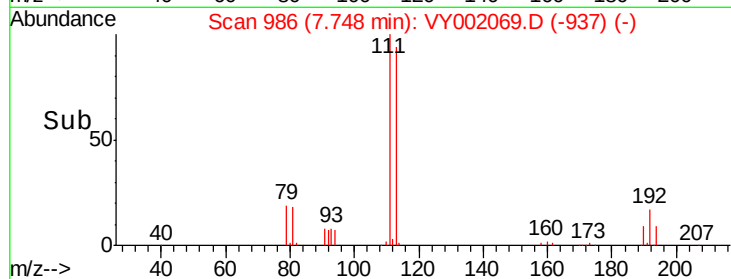
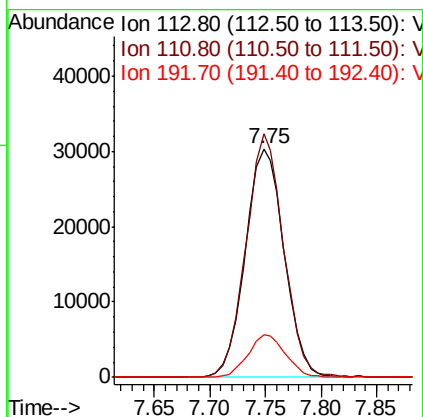
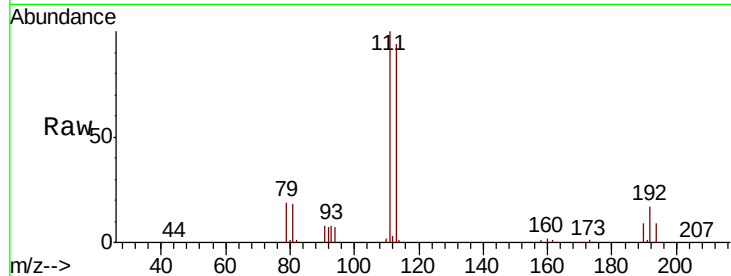




#35  
 Dibromofluoromethane  
 Concen: 51.886 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: VY002069.D  
 Acq: 25 Mar 2020 16:07

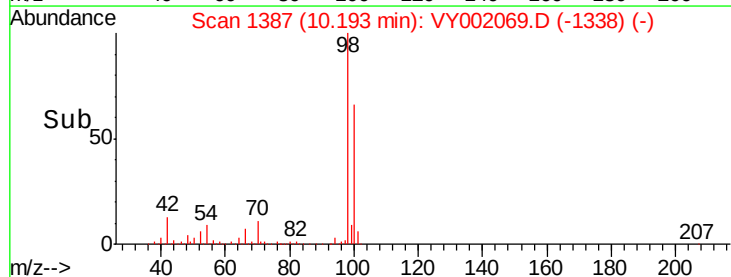
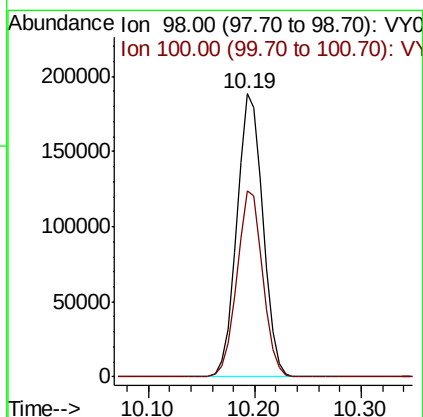
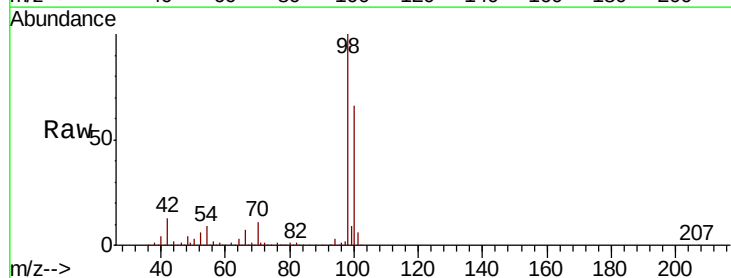
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1F-(0-2)

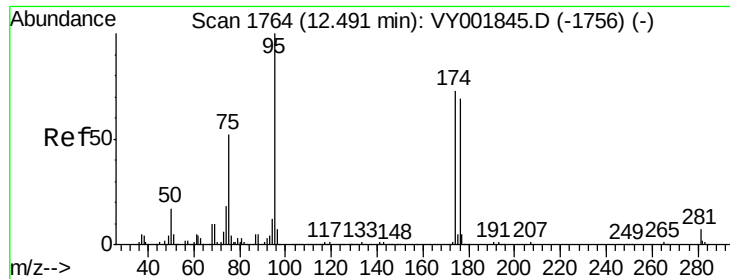
Tot Ion:113 Resp: 73749  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.8 122.8  
 192 18.0 14.2 21.2



#50  
 Toluene-d8  
 Concen: 54.039 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: VY002069.D  
 Acq: 25 Mar 2020 16:07

Tgt Ion: 98 Resp: 323891  
 Ion Ratio Lower Upper  
 98 100  
 100 65.0 53.0 79.4

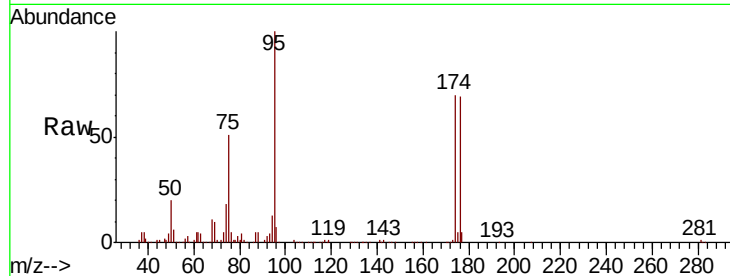




#62  
4-Bromofluorobenzene  
Concen: 52.726 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VY002069.D  
Acq: 25 Mar 2020 16:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1F-(0-2)

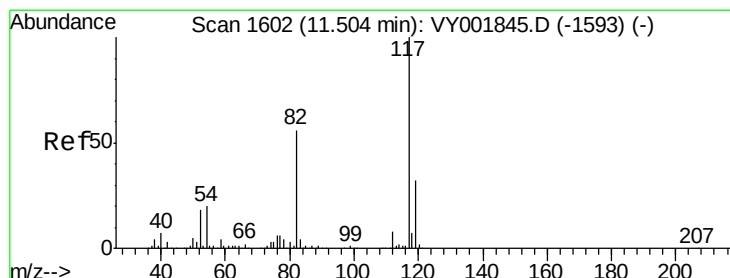
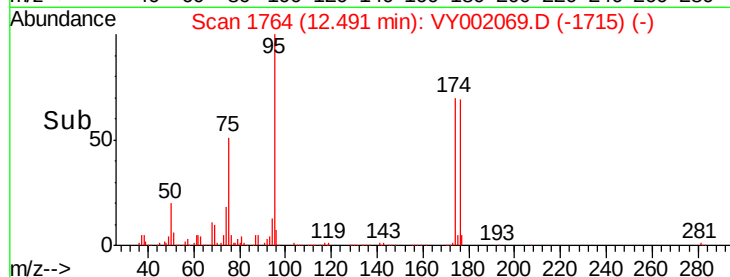
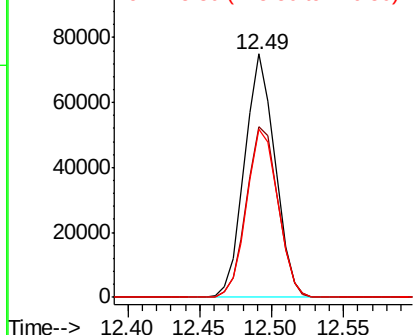
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 72.8  | 0.0   | 145.0 |
| 176     | 70.8  | 0.0   | 137.4 |



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

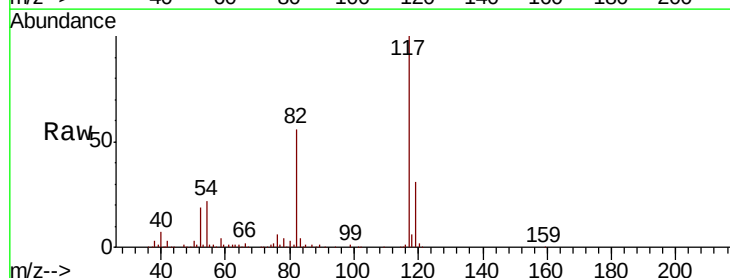
Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: VY002069.D  
Acq: 25 Mar 2020 16:07

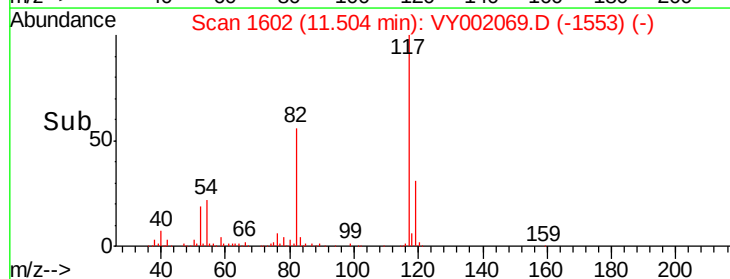
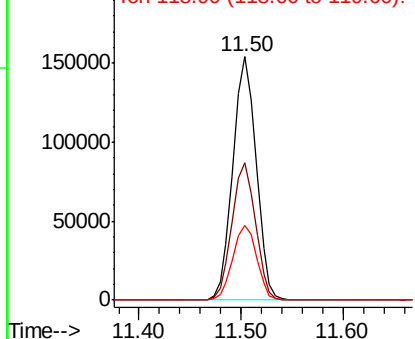
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 44.5  | 66.7  |
| 119     | 30.8  | 25.7  | 38.5  |

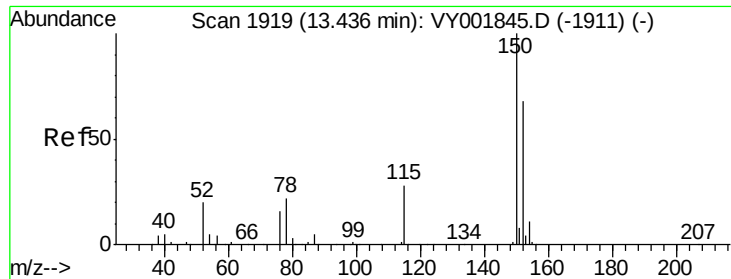


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA\_Y

ClientSampled :

SB-1F-(0-2)

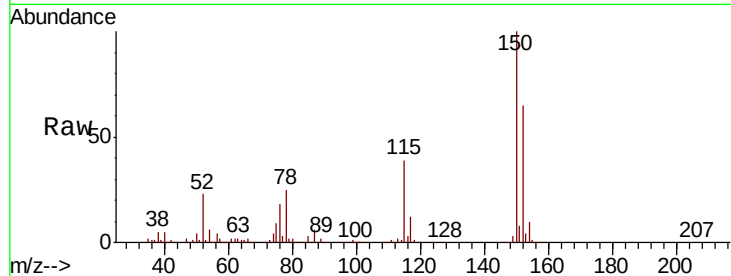
Tot Ion:152 Resp: 107167

Ion Ratio Lower Upper

152 100

115 61.8 29.9 89.7

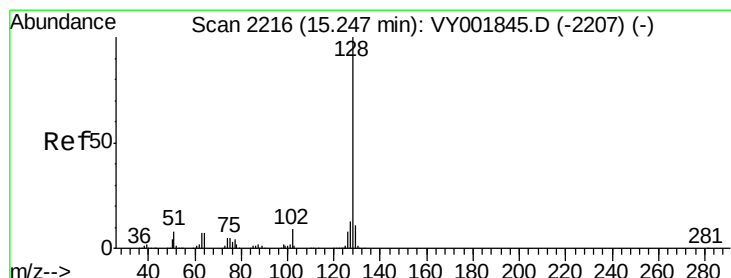
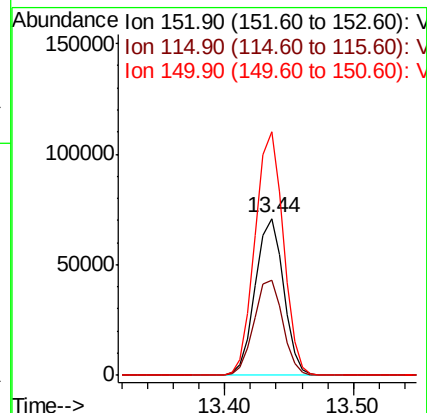
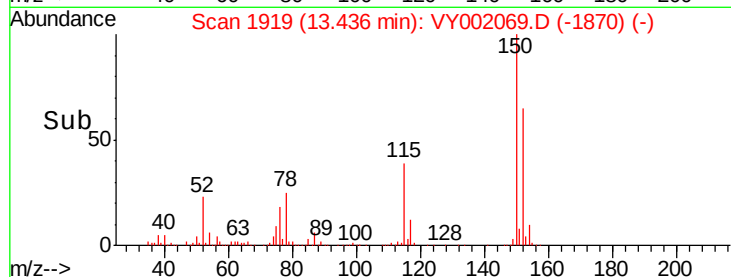
150 155.5 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 2.510 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

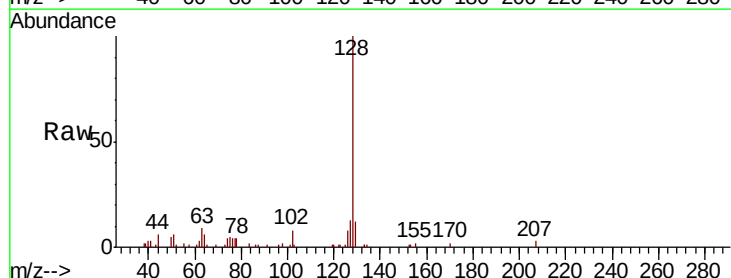
Tgt Ion:128 Resp: 11916

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 12.5 8.6 13.0



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

