

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\  
 Data File : VY001927.D  
 Acq On : 10 Mar 2020 17:11  
 Operator : SY/MD  
 Sample : L1871-05  
 Misc : 6.99G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-17-(6.5-5.7)

Quant Time: Mar 11 05:26:08 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

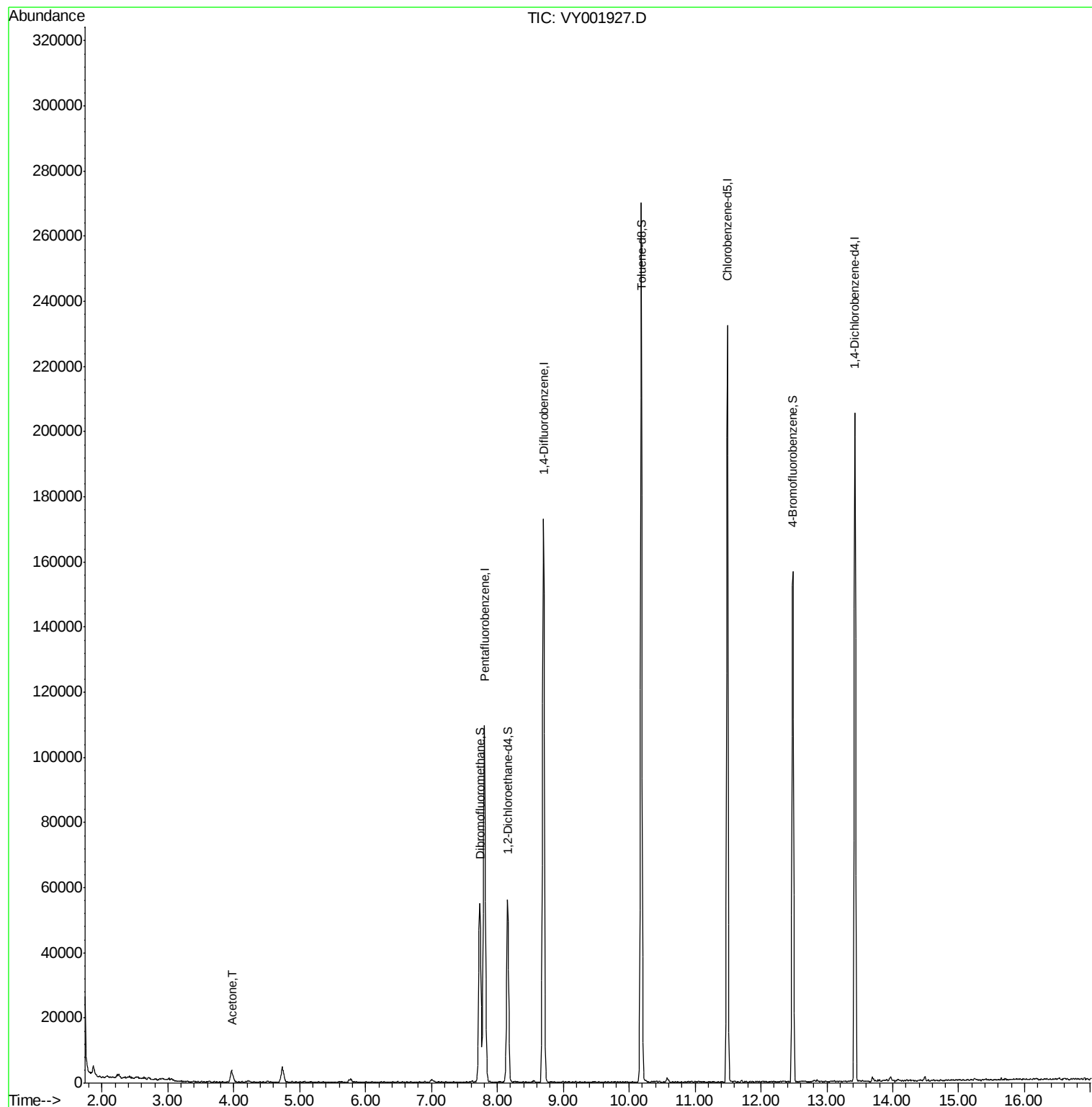
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 82679    | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 145348   | 50.00  | ug/l    | -0.01     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 119823   | 50.00  | ug/l    | -0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 50128    | 50.00  | ug/l    | -0.01     |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 43198    | 48.94  | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.88%  |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 40508    | 51.04  | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.08% |           |
| 50) Toluene-d8              | 10.18 | 98   | 172271   | 51.47  | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.94% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 52269    | 44.92  | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.84%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.97  | 43   | 6402     | 24.903 | ug/l    | Qvalue 94 |

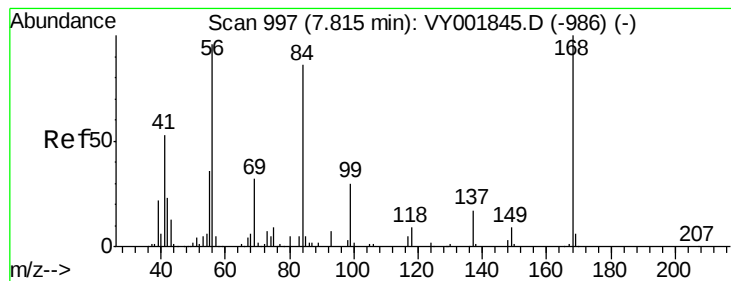
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001927.D

Acq: 10 Mar 2020 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

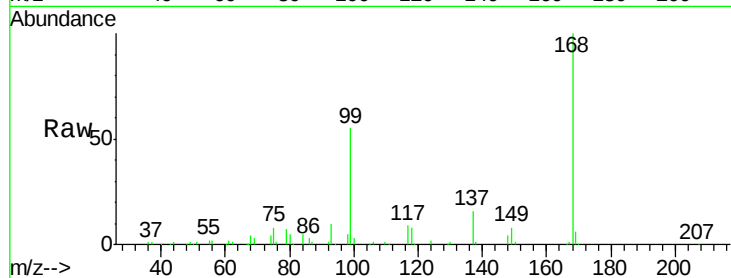
TP-17-(6.5-5.7)

Tot Ion:168 Resp: 82679

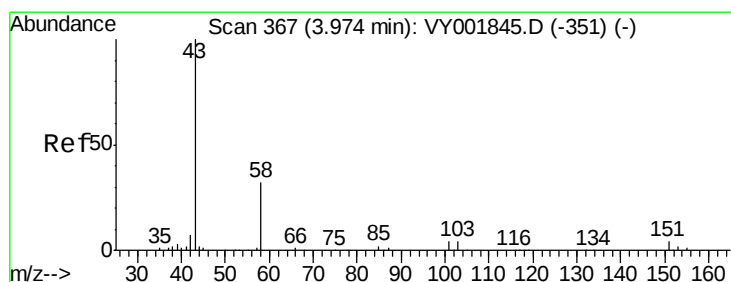
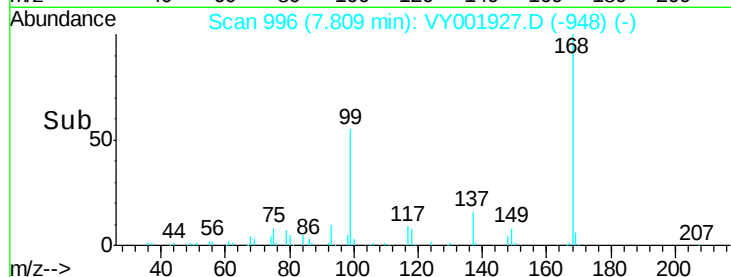
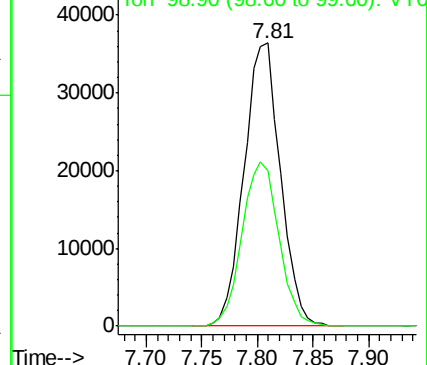
Ion Ratio Lower Upper

168 100

99 54.7 46.7 70.1



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



#16

Acetone

Concen: 24.903 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001927.D

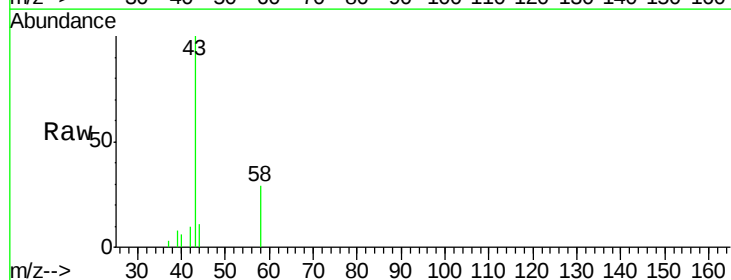
Acq: 10 Mar 2020 17:11

Tgt Ion: 43 Resp: 6402

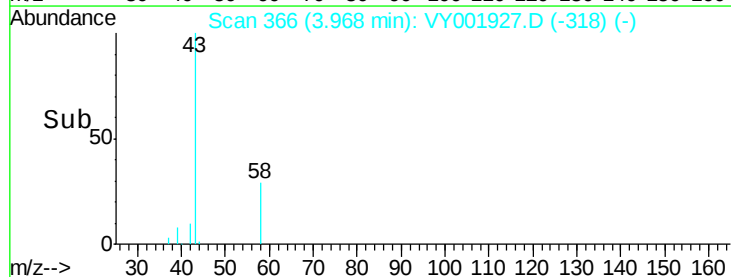
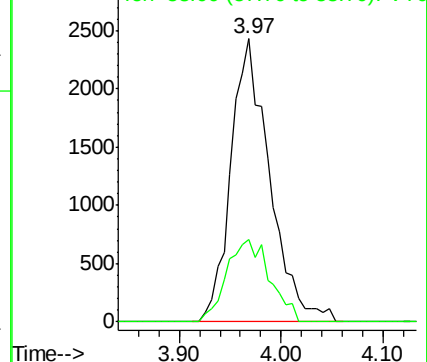
Ion Ratio Lower Upper

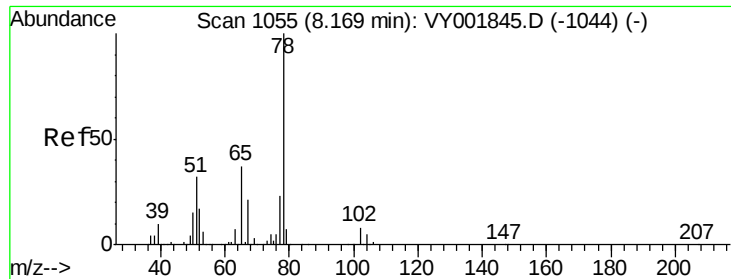
43 100

58 29.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

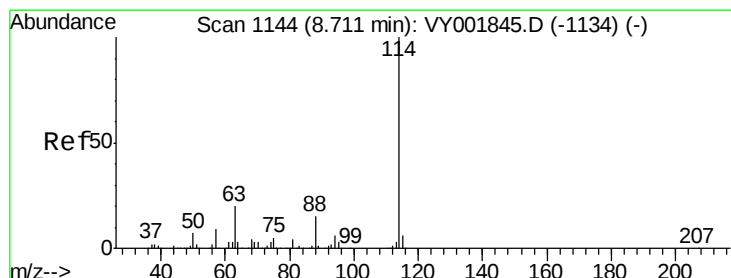
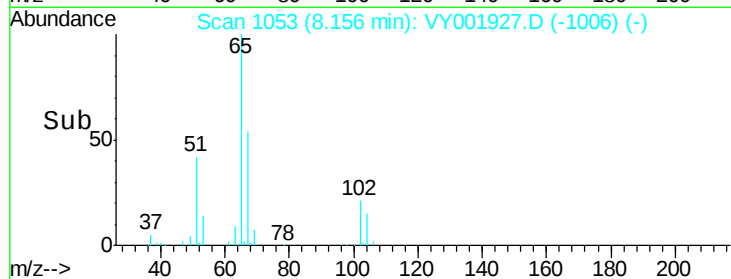
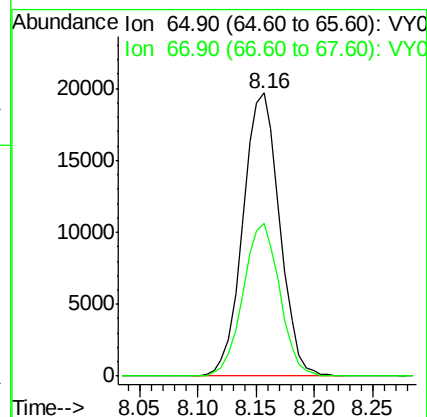
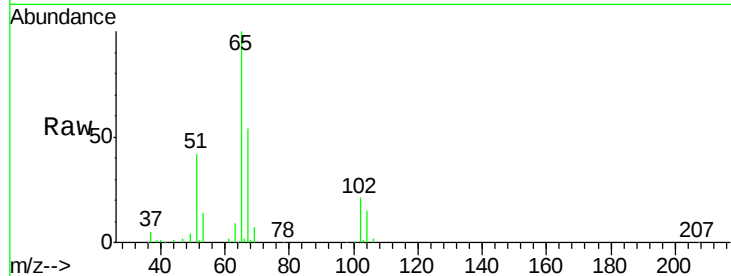




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.941 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VY001927.D  
 Acq: 10 Mar 2020 17:11

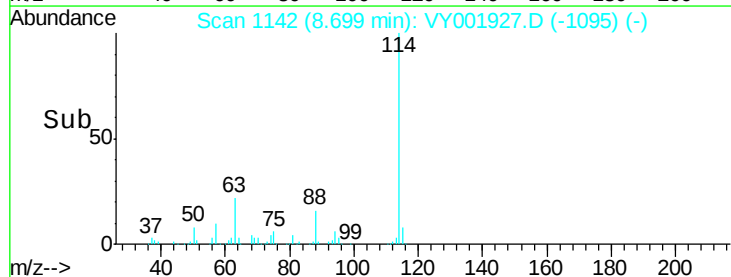
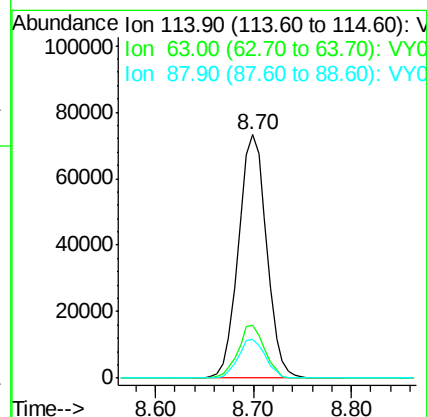
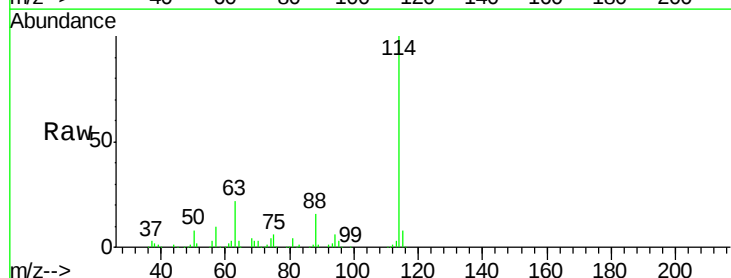
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-17-(6.5-5.7)

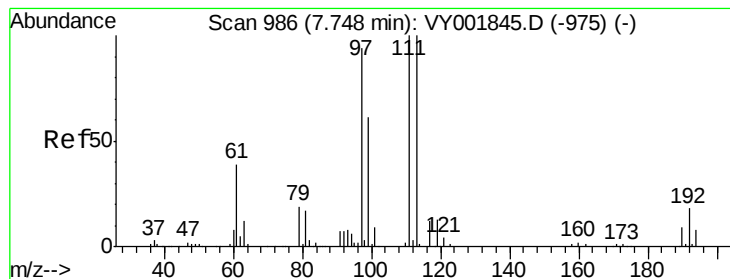
Tot Ion: 65 Resp: 43198  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 110.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY001927.D  
 Acq: 10 Mar 2020 17:11

Tgt Ion: 114 Resp: 145348  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 39.4  
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.039 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001927.D

Acq: 10 Mar 2020 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

TP-17-(6.5-5.7)

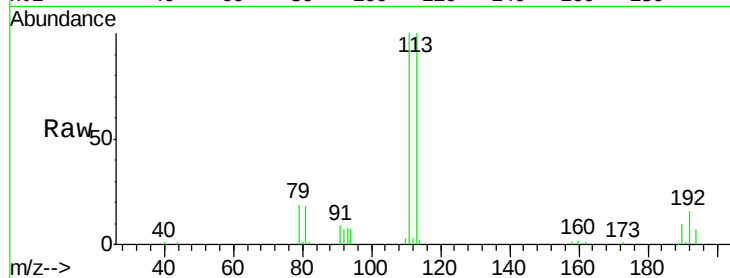
Tot Ion:113 Resp: 40508

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

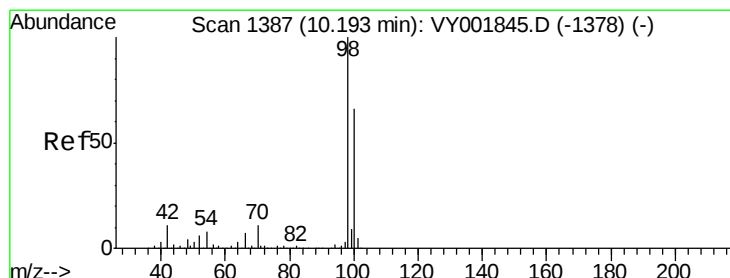
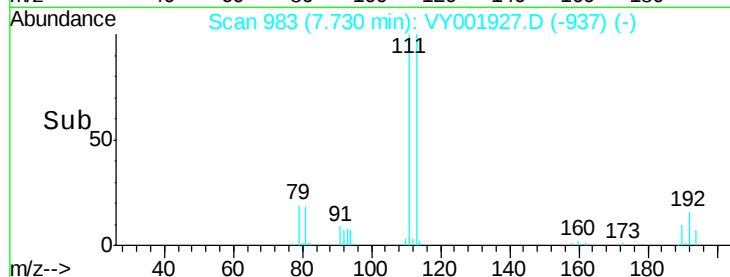
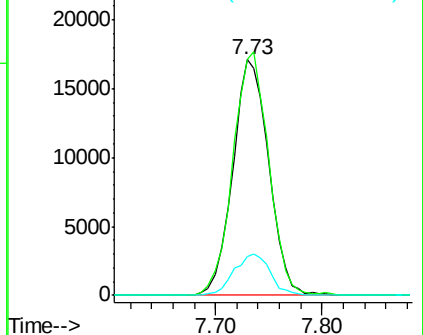
192 17.6 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 51.474 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001927.D

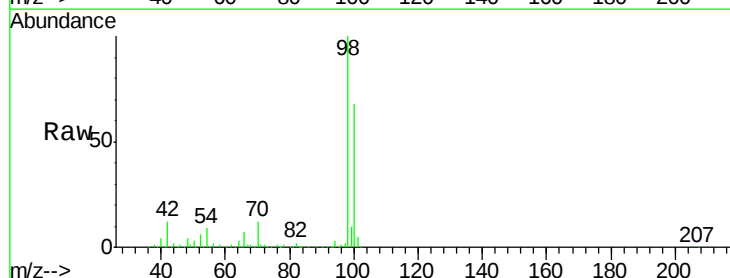
Acq: 10 Mar 2020 17:11

Tgt Ion: 98 Resp: 172271

Ion Ratio Lower Upper

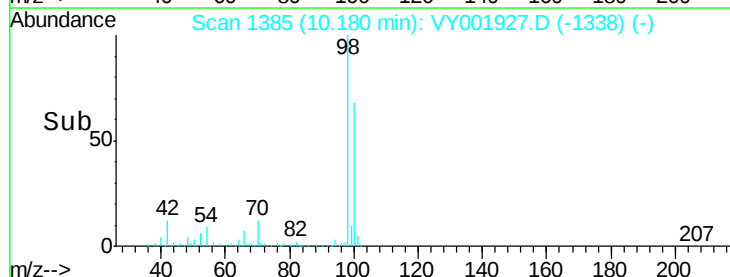
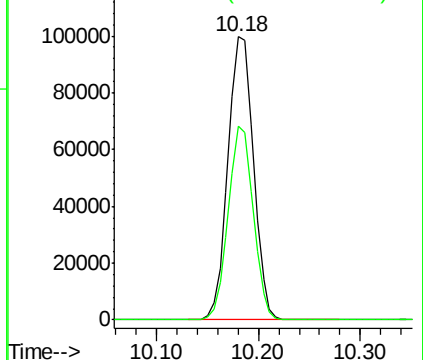
98 100

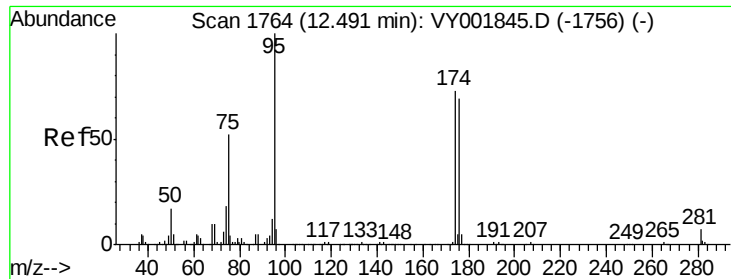
100 66.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 44.916 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY001927.D

Acq: 10 Mar 2020 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

TP-17-(6.5-5.7)

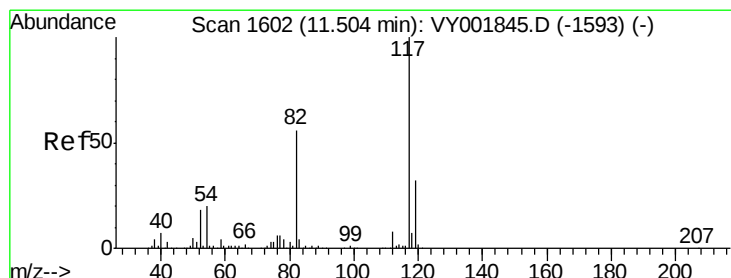
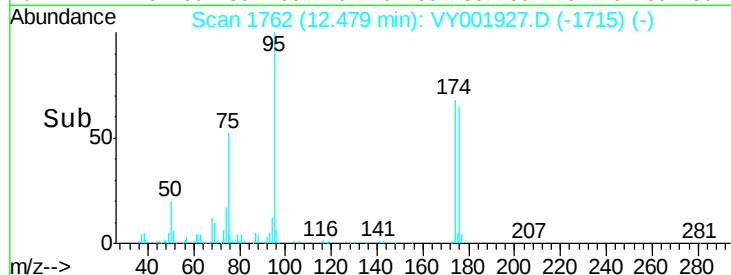
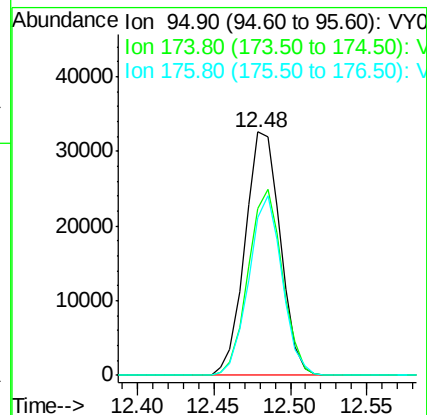
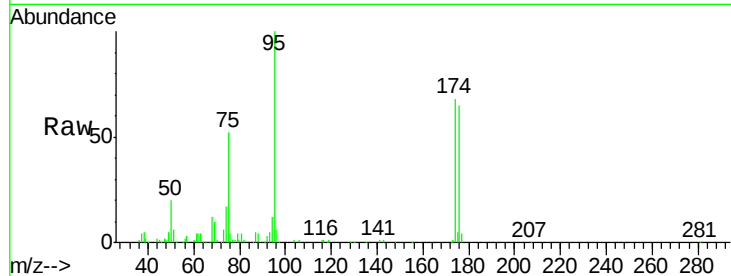
Tot Ion: 95 Resp: 52269

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.0

176 69.5 0.0 137.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY001927.D

Acq: 10 Mar 2020 17:11

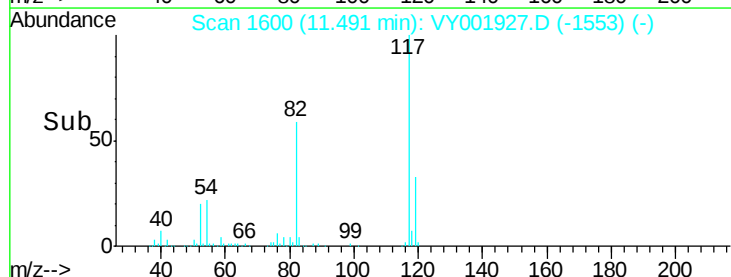
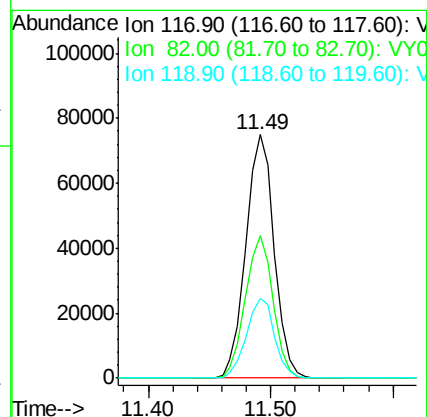
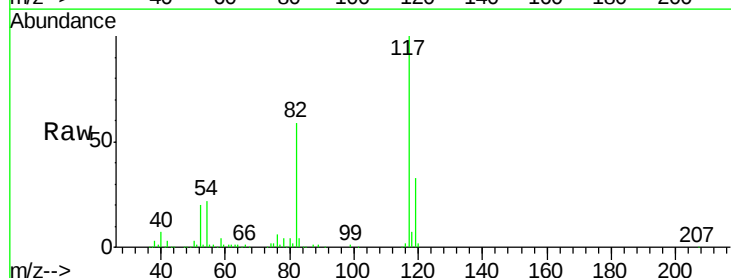
Tgt Ion: 117 Resp: 119823

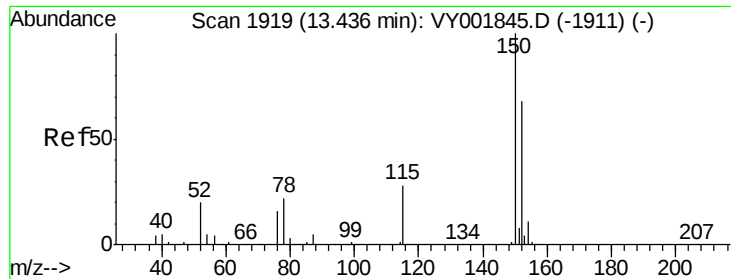
Ion Ratio Lower Upper

117 100

82 58.7 44.5 66.7

119 32.7 25.7 38.5



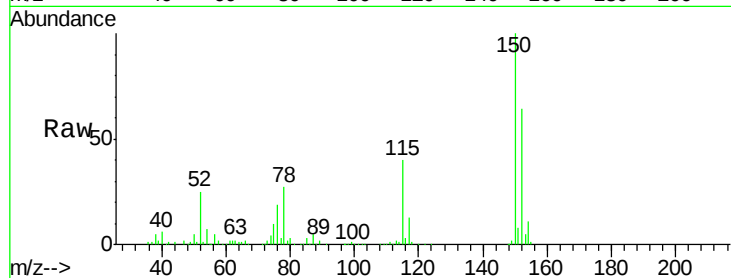


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY001927.D  
Acq: 10 Mar 2020 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-17-(6.5-5.7)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.5  | 29.9  | 89.7  |
| 150     | 158.5 | 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

