

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\  
 Data File : VY000805.D  
 Acq On : 26 Nov 2019 15:58  
 Operator : SY/MD  
 Sample : K6066-02  
 Misc : 7.05G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-19-S2

Quant Time: Nov 27 05:24:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

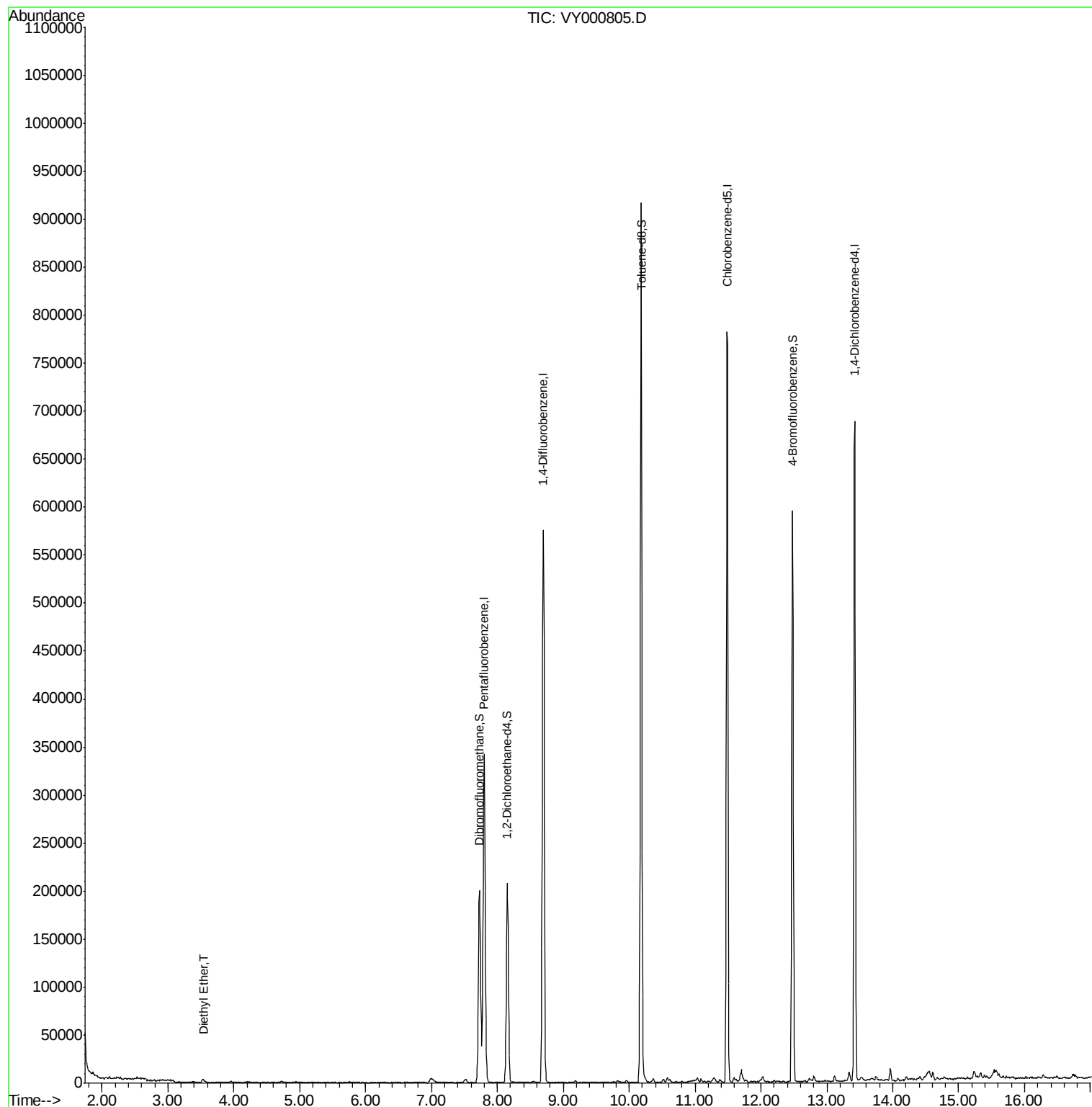
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 258734   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 491361   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 420875   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 170129   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 156036   | 58.28 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 116.56% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 141029   | 48.89 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.78%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 576783   | 52.70 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.40% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 182826   | 43.88 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.76%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 8) Diethyl Ether            | 3.54  | 74   | 1908     | 1.220 | ug/l    | Qvalue 93 |

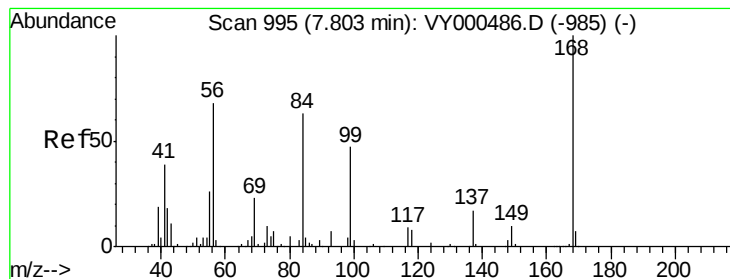
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA\_Y

ClientSampleId :

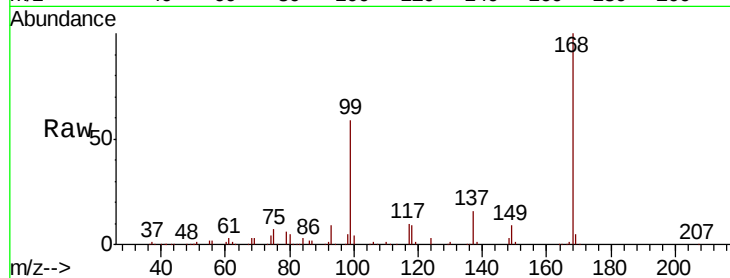
TP-19-S2

Tot Ion:168 Resp: 258734

Ion Ratio Lower Upper

168 100

99 58.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

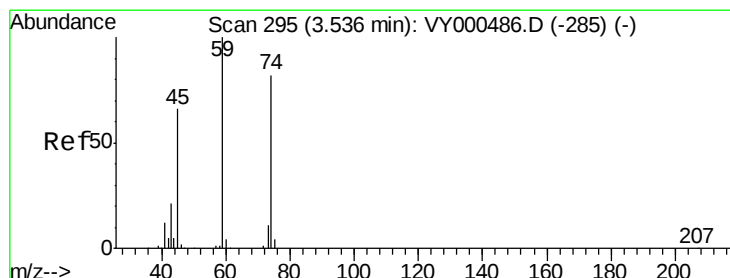
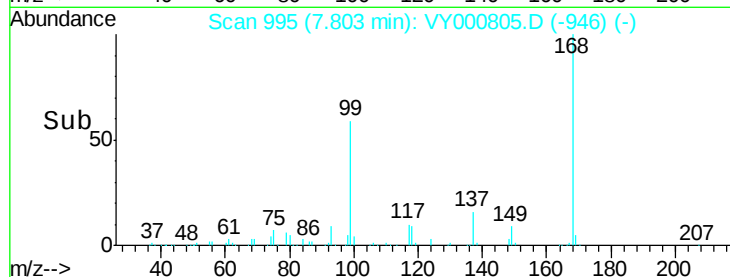
7.80

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.220 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000805.D

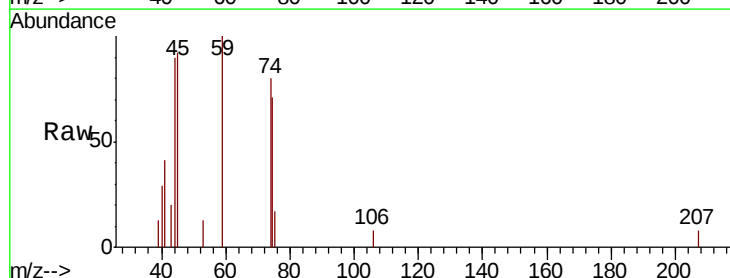
Acq: 26 Nov 2019 15:58

Tgt Ion: 74 Resp: 1908

Ion Ratio Lower Upper

74 100

45 84.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

1200

1000

800

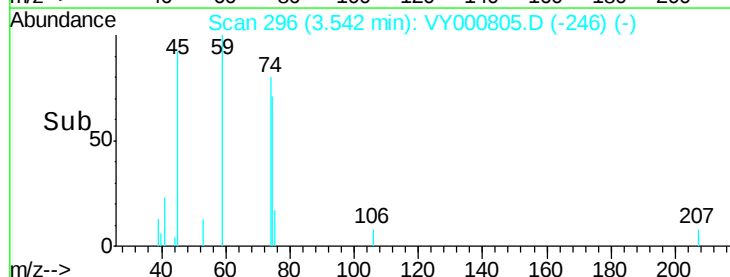
600

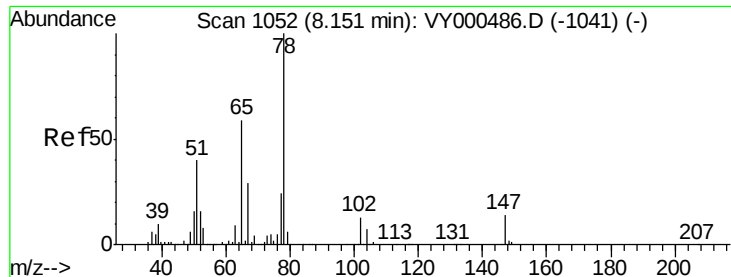
400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.275 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA\_Y

ClientSampleId :

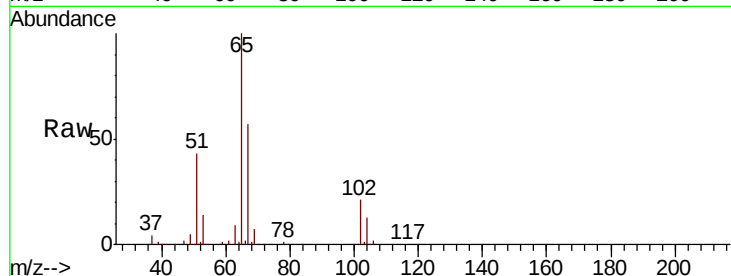
TP-19-S2

Tot Ion: 65 Resp: 156036

Ion Ratio Lower Upper

65 100

67 55.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

80000

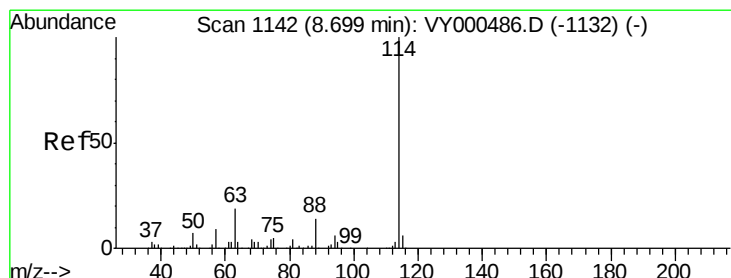
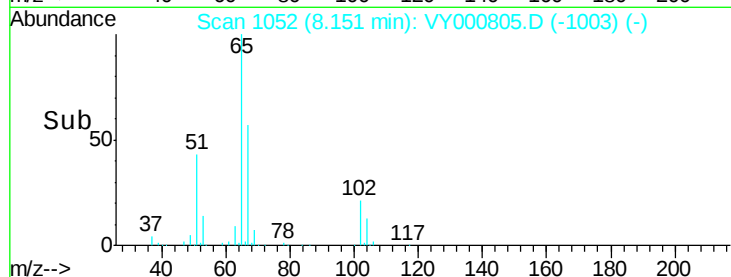
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

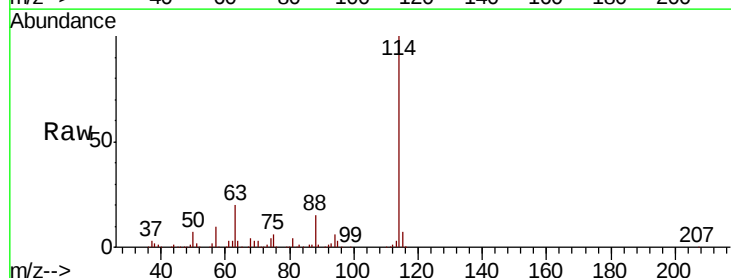
Tgt Ion: 114 Resp: 491361

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

88 15.3 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.70

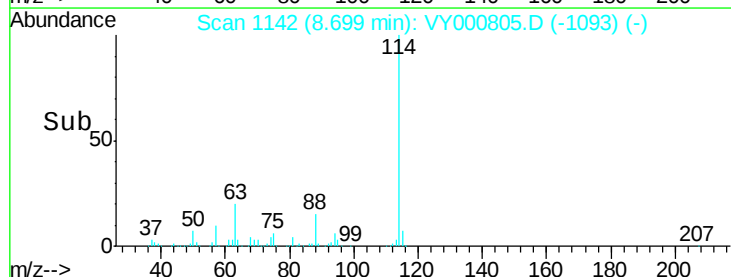
300000

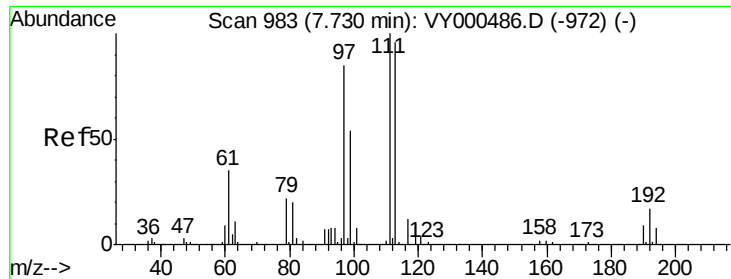
200000

100000

0

Time-->

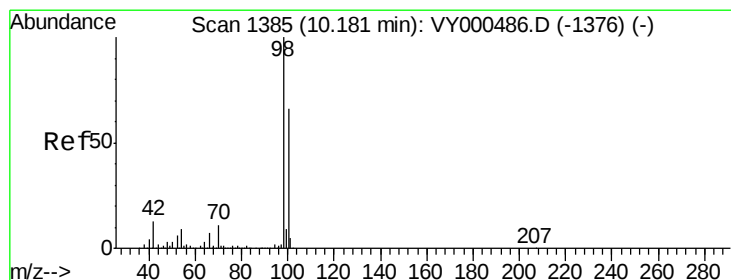
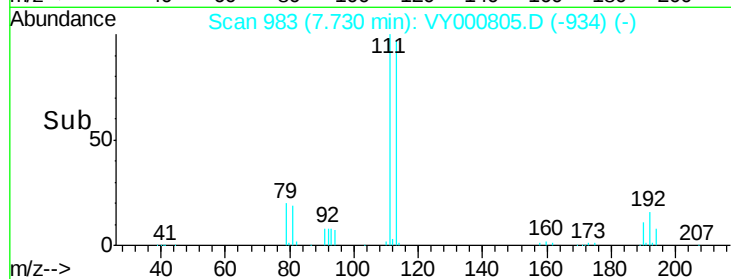
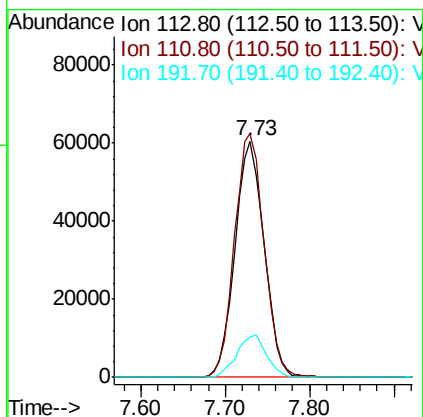
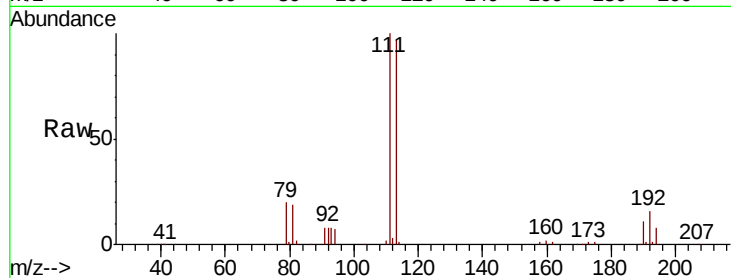




#35  
 Dibromofluoromethane  
 Concen: 48.890 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000805.D  
 Acq: 26 Nov 2019 15:58

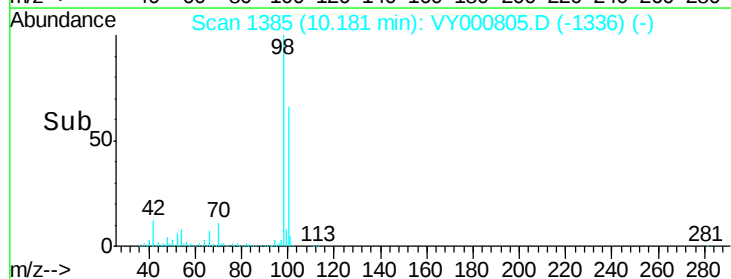
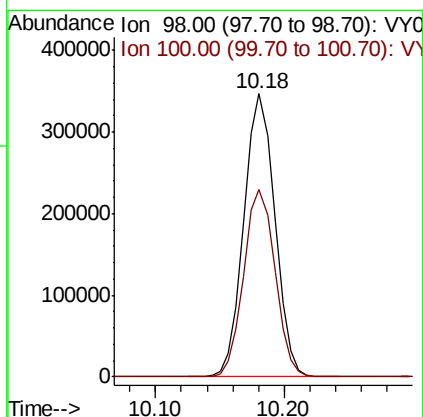
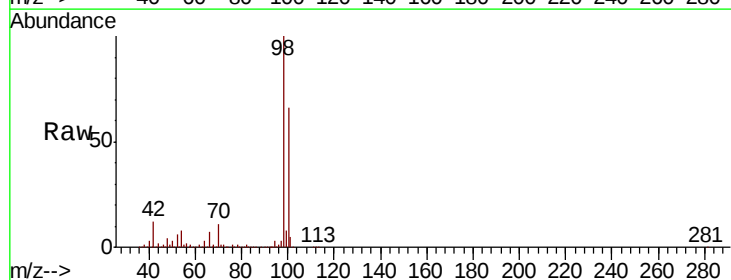
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-19-S2

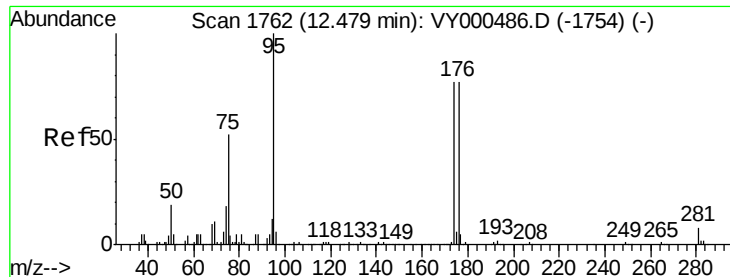
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.4 | 81.7  | 122.5 |
| 192     | 18.2  | 15.0  | 22.4  |



#50  
 Toluene-d8  
 Concen: 52.696 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY000805.D  
 Acq: 26 Nov 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.9  | 52.9  | 79.3  |

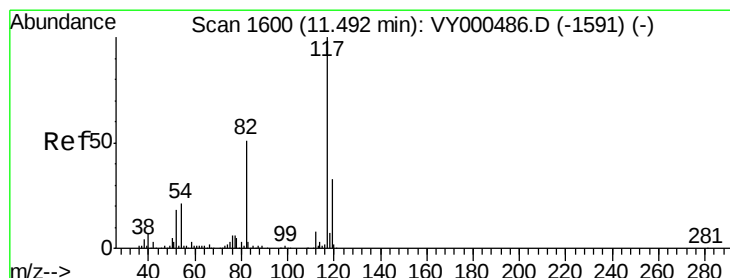
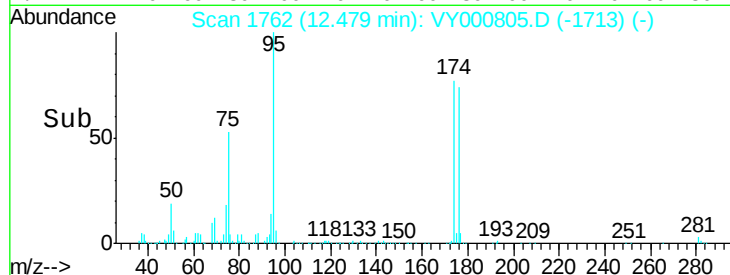
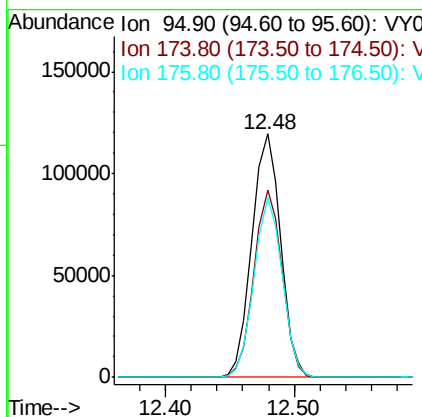
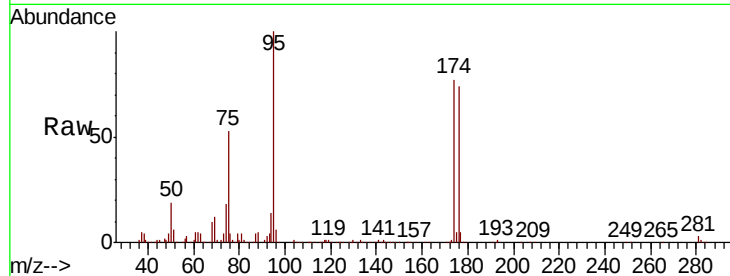




#62  
4-Bromofluorobenzene  
Concen: 43.876 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY000805.D  
Acq: 26 Nov 2019 15:58

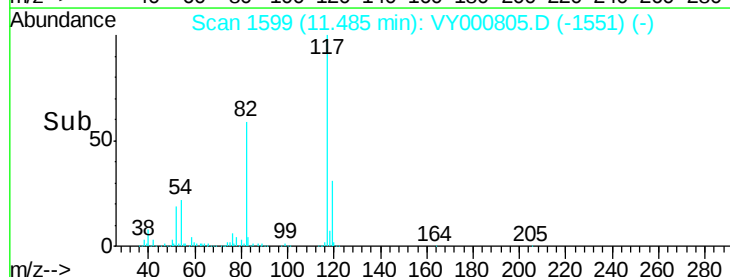
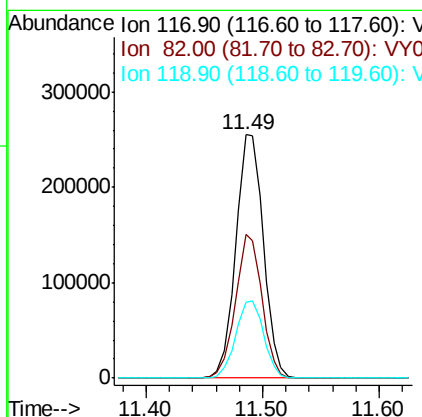
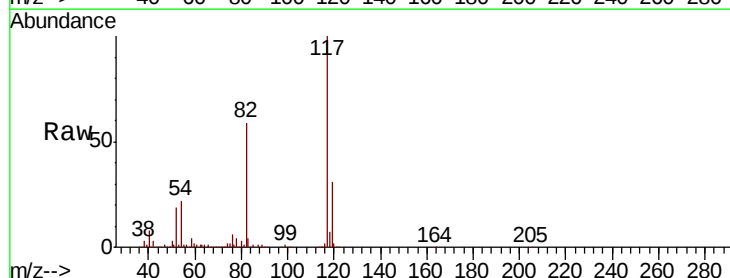
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-19-S2

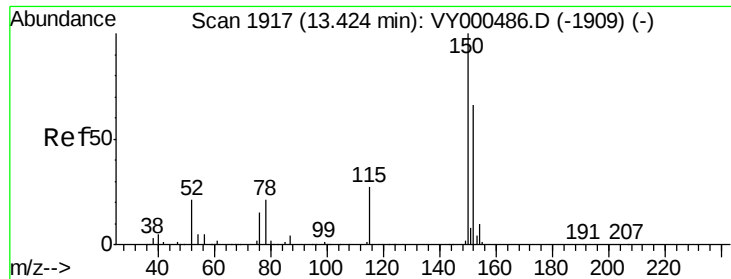
| Tot Ion   | 95    | Resp  | 182826 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.9  | 0.0   | 161.6  |
| 176       | 72.8  | 0.0   | 157.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000805.D  
Acq: 26 Nov 2019 15:58

| Tgt Ion   | 117   | Resp  | 420875 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.8  | 40.8  | 61.2   |
| 119       | 31.2  | 26.2  | 39.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000805.D

Acq: 26 Nov 2019 15:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP-19-S2

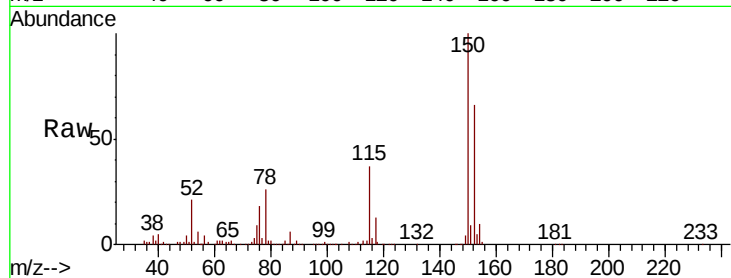
Tot Ion:152 Resp: 170129

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.4

150 153.1 0.0 348.8



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

