

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121619\  
 Data File : VY000959.D  
 Acq On : 16 Dec 2019 16:56  
 Operator : SY/MD  
 Sample : K6317-05  
 Misc : 8.67G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 178K-SB5

Quant Time: Dec 17 09:04:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

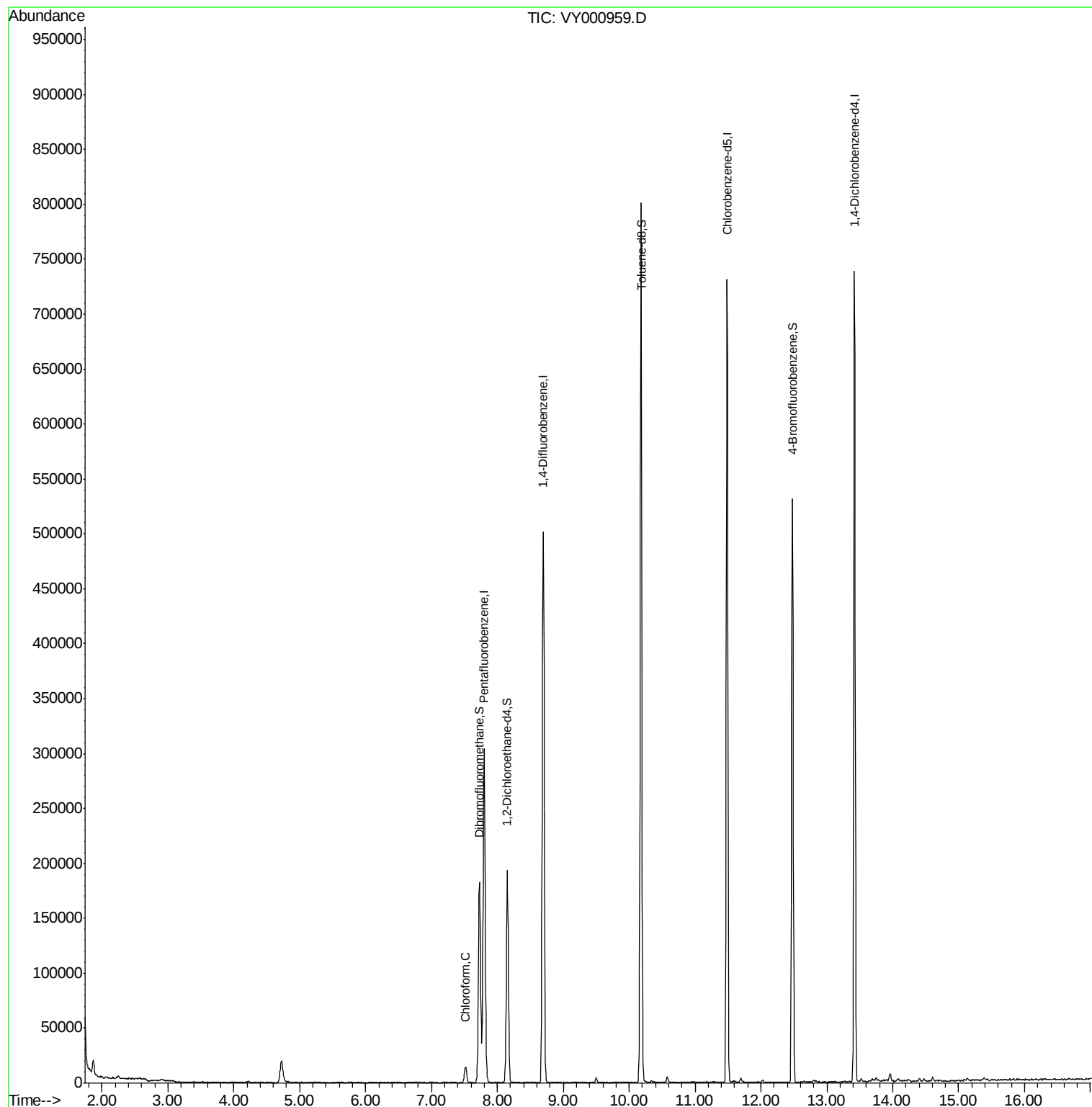
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80   | 168  | 229481   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69   | 114  | 436363   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49  | 117  | 393555   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42  | 152  | 179342   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65   | 138094   | 56.63 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 113.26% |           |
| 35) Dibromofluoromethane    | 7.73   | 113  | 130110   | 51.16 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 102.32% |           |
| 50) Toluene-d8              | 10.18  | 98   | 516180   | 50.77 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 101.54% |           |
| 62) 4-Bromofluorobenzene    | 12.47  | 95   | 175138   | 45.87 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 91.74%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 30) Chloroform              | 7.52   | 83   | 14006    | 2.857 | ug/l    | Qvalue 91 |

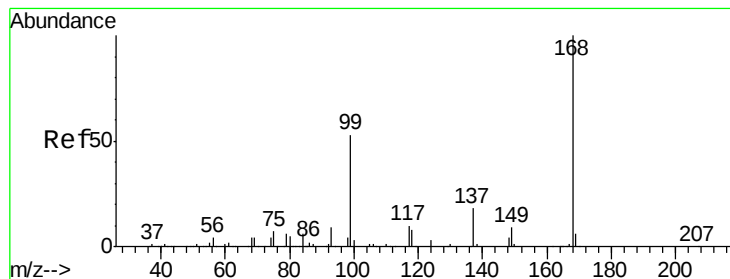
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



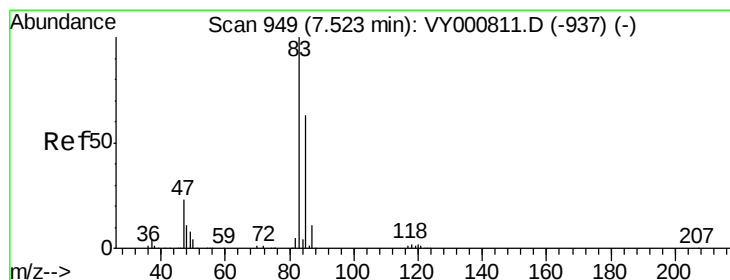
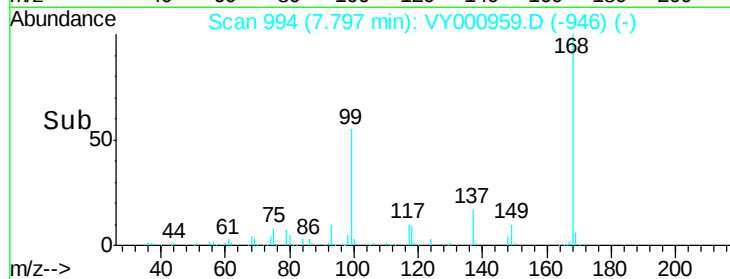
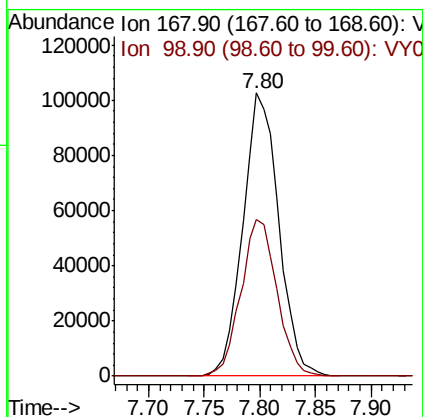
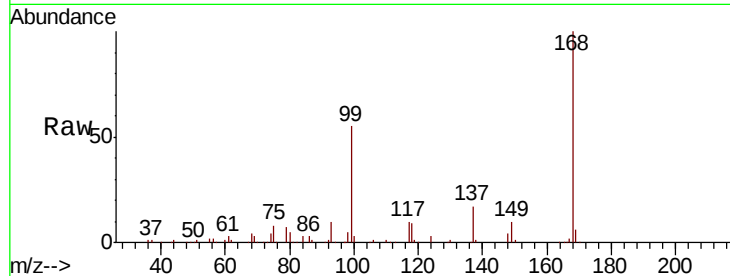


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: VY000959.D  
Acq: 16 Dec 2019 16:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
178K-SB5

Tot Ion:168 Resp: 229481  

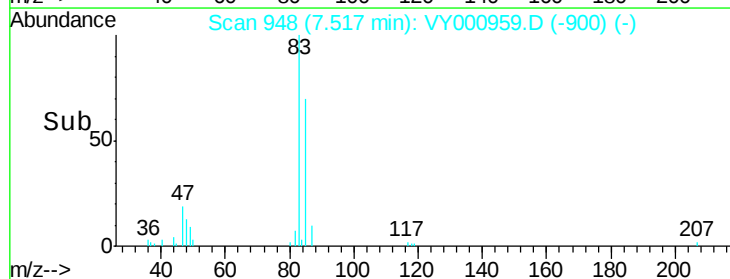
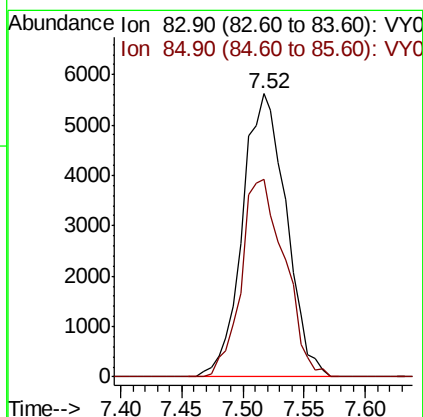
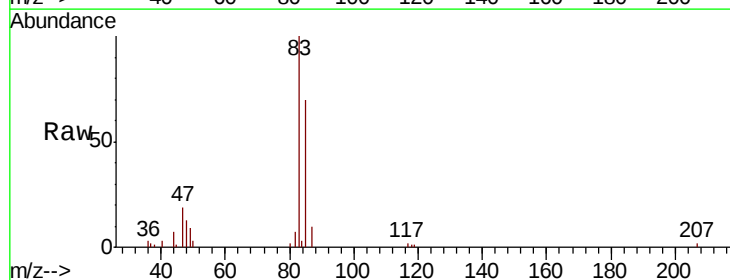
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 99  | 55.2  | 45.0  | 67.6  |

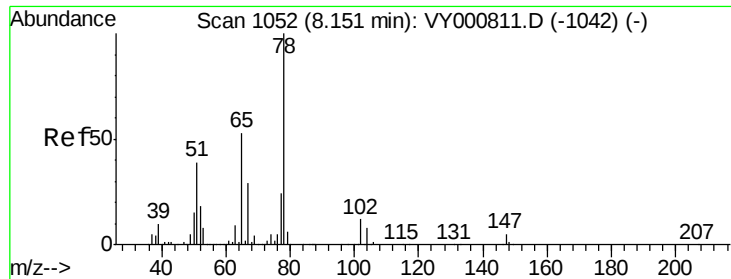


#30  
Chloroform  
Concen: 2.857 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: VY000959.D  
Acq: 16 Dec 2019 16:56

Tgt Ion: 83 Resp: 14006  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 69.7  | 50.4  | 75.6  |

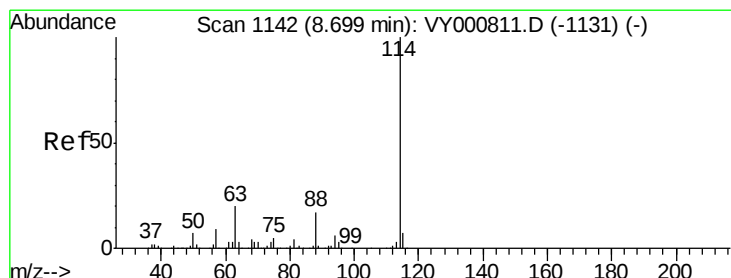
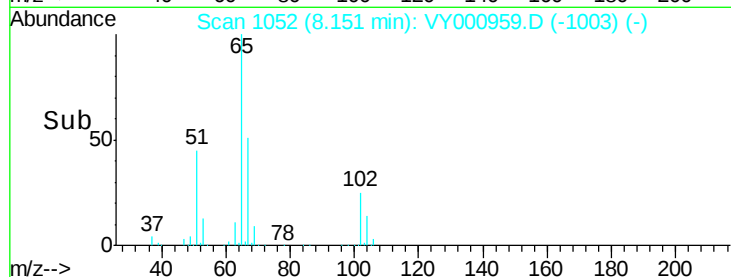
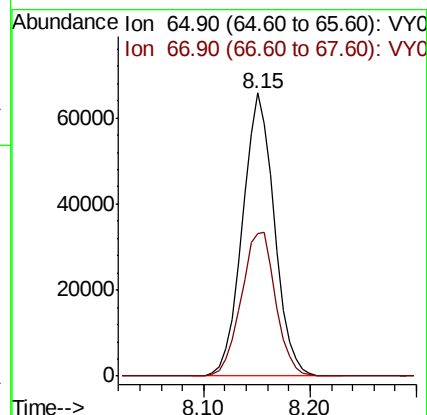
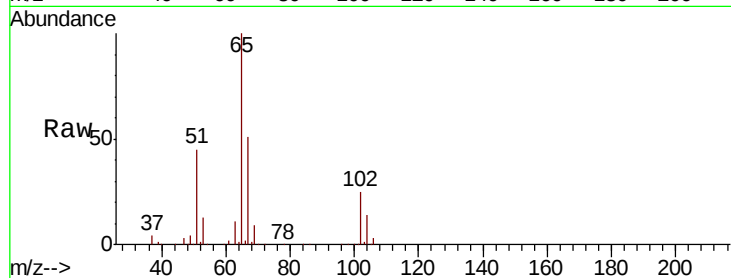




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.632 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: VY000959.D  
 Acq: 16 Dec 2019 16:56

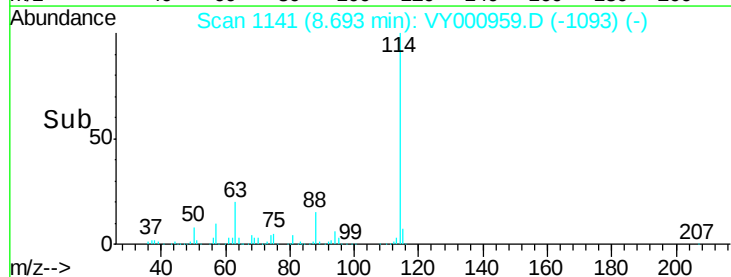
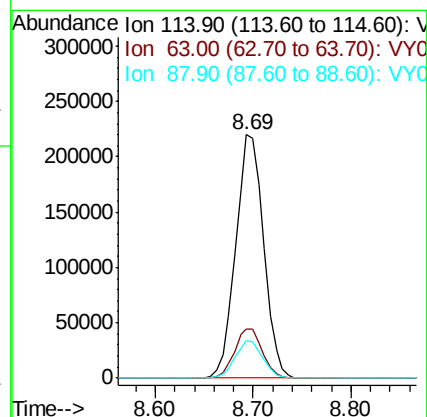
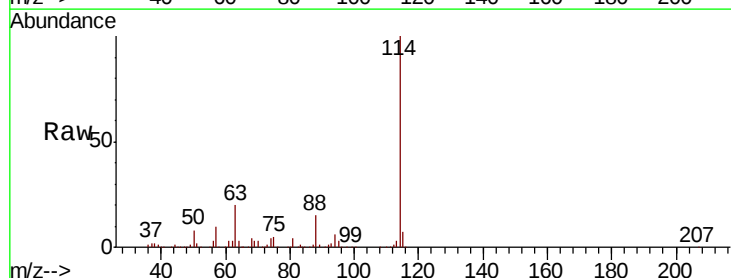
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 178K-SB5

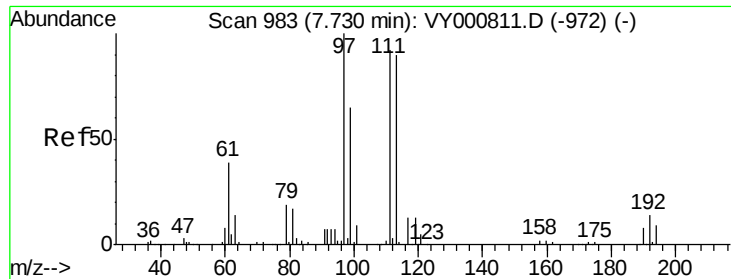
Tot Ion: 65 Resp: 138094  
 Ion Ratio Lower Upper  
 65 100  
 67 54.8 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000959.D  
 Acq: 16 Dec 2019 16:56

Tgt Ion: 114 Resp: 436363  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.8  
 88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.162 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000959.D

Acq: 16 Dec 2019 16:56

Instrument :

MSVOA\_Y

ClientSampleId :

178K-SB5

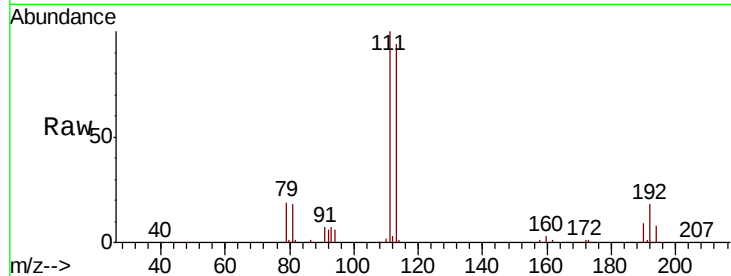
Tot Ion:113 Resp: 130110

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

192 18.1 14.2 21.2

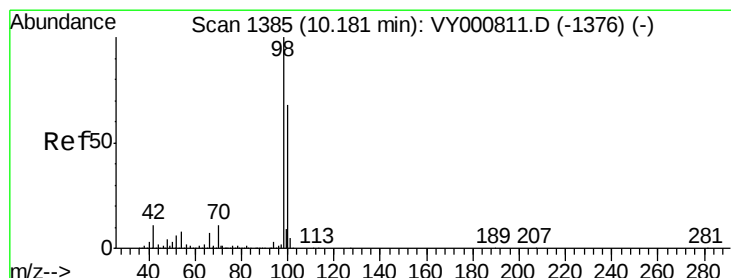
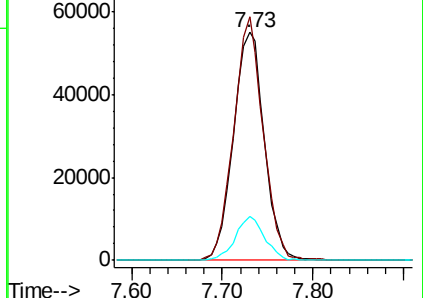
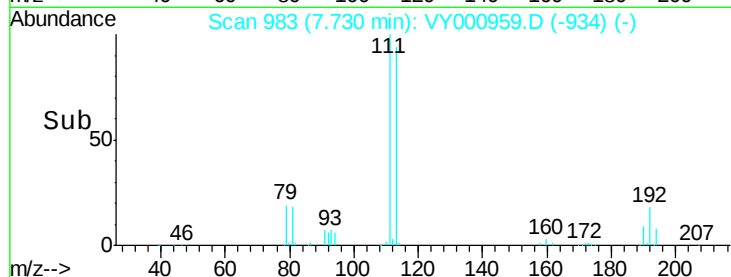


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



#50

Toluene-d8

Concen: 50.769 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000959.D

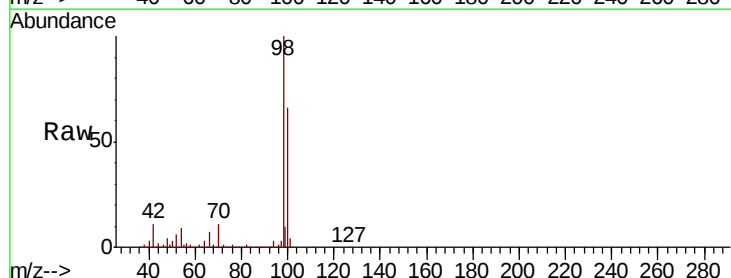
Acq: 16 Dec 2019 16:56

Tgt Ion: 98 Resp: 516180

Ion Ratio Lower Upper

98 100

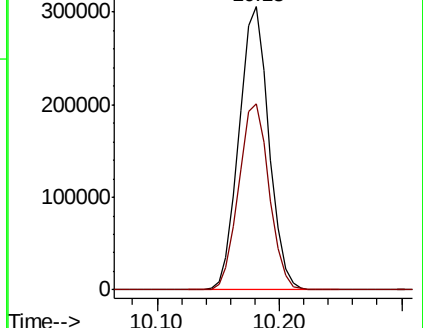
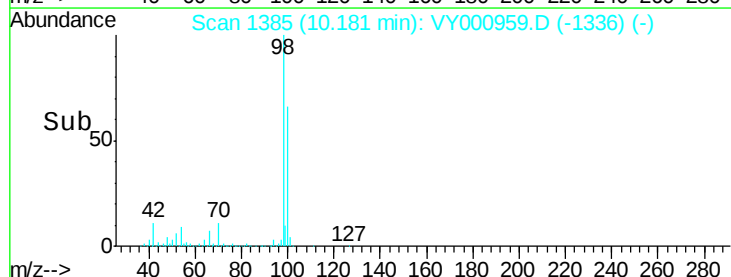
100 66.9 53.1 79.7

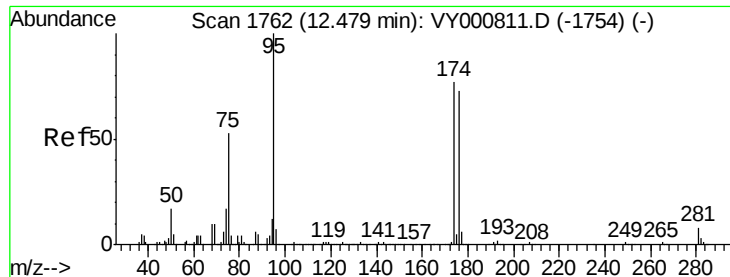


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

Time-->

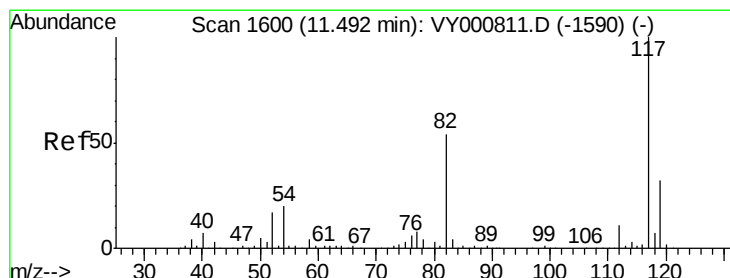
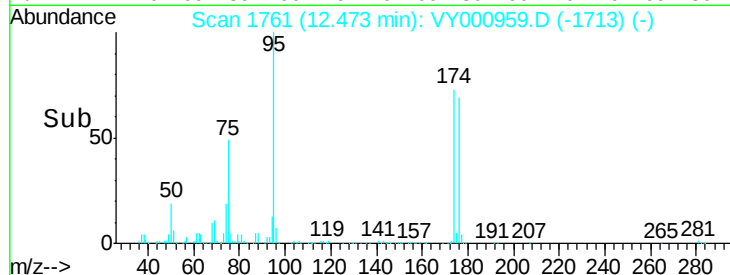
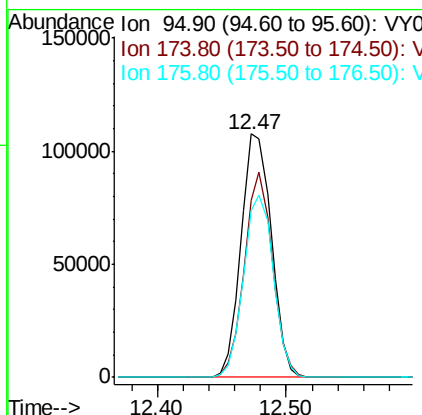
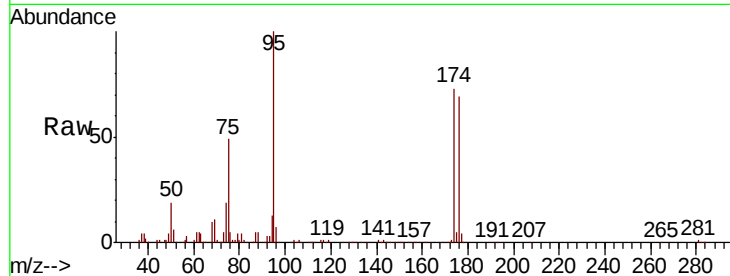




#62  
4-Bromofluorobenzene  
Concen: 45.868 ug/l  
RT: 12.47 min Scan# 1761  
Delta R.T. -0.01 min  
Lab File: VY000959.D  
Acq: 16 Dec 2019 16:56

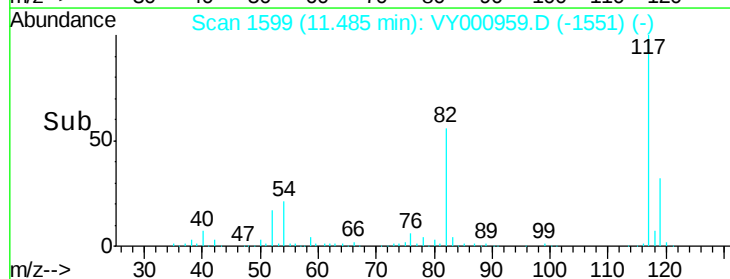
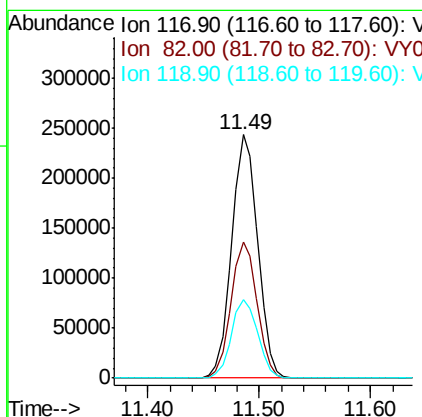
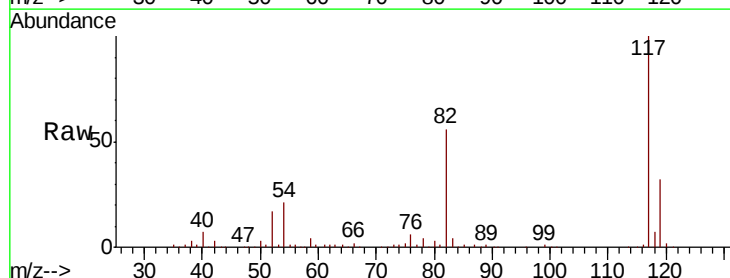
Instrument :  
MSVOA\_Y  
ClientSampleId :  
178K-SB5

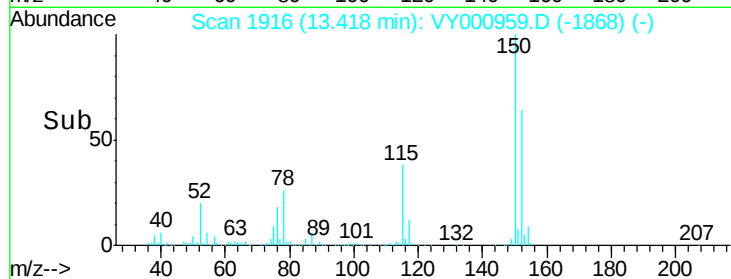
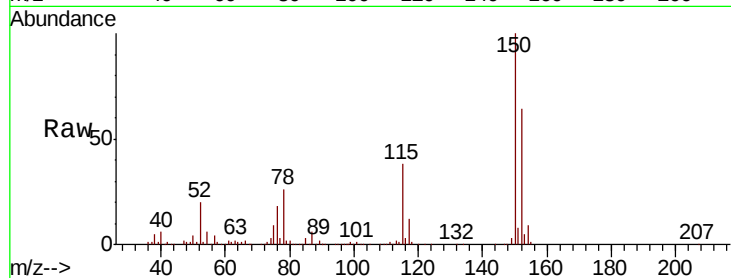
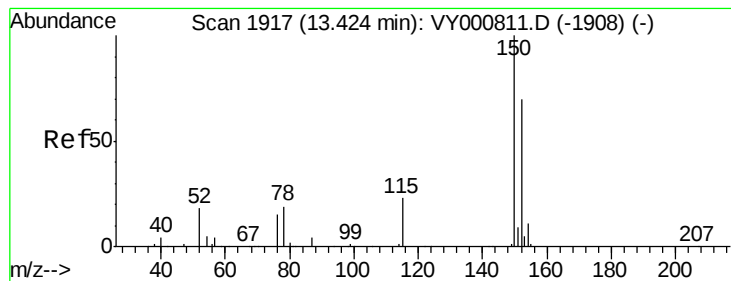
| Tot Ion   | 95   | Resp | 175138 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     |      |      |        |
| Upper     |      |      |        |
| 174       | 78.0 | 0.0  | 150.6  |
| 176       | 73.8 | 0.0  | 145.2  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000959.D  
Acq: 16 Dec 2019 16:56

| Tgt Ion                                    | 117  | Resp | 393555 |
|--------------------------------------------|------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |        |
| Lower                                      |      |      |        |
| Upper                                      |      |      |        |
| 82                                         | 55.9 | 43.1 | 64.7   |
| 119                                        | 32.4 | 25.3 | 37.9   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY000959.D

Acq: 16 Dec 2019 16:56

Instrument :

MSVOA\_Y

ClientSampleId :

178K-SB5

Tot Ion:152 Resp: 179342

Ion Ratio Lower Upper

152 100

115 59.2 29.3 87.8

150 156.8 0.0 351.2

