

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\  
 Data File : VY000879.D  
 Acq On : 05 Dec 2019 13:48  
 Operator : SY/MD  
 Sample : K6147-03  
 Misc : 5.87G/5ML/MSVOA Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P001-WC003

Quant Time: Dec 06 04:40:45 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

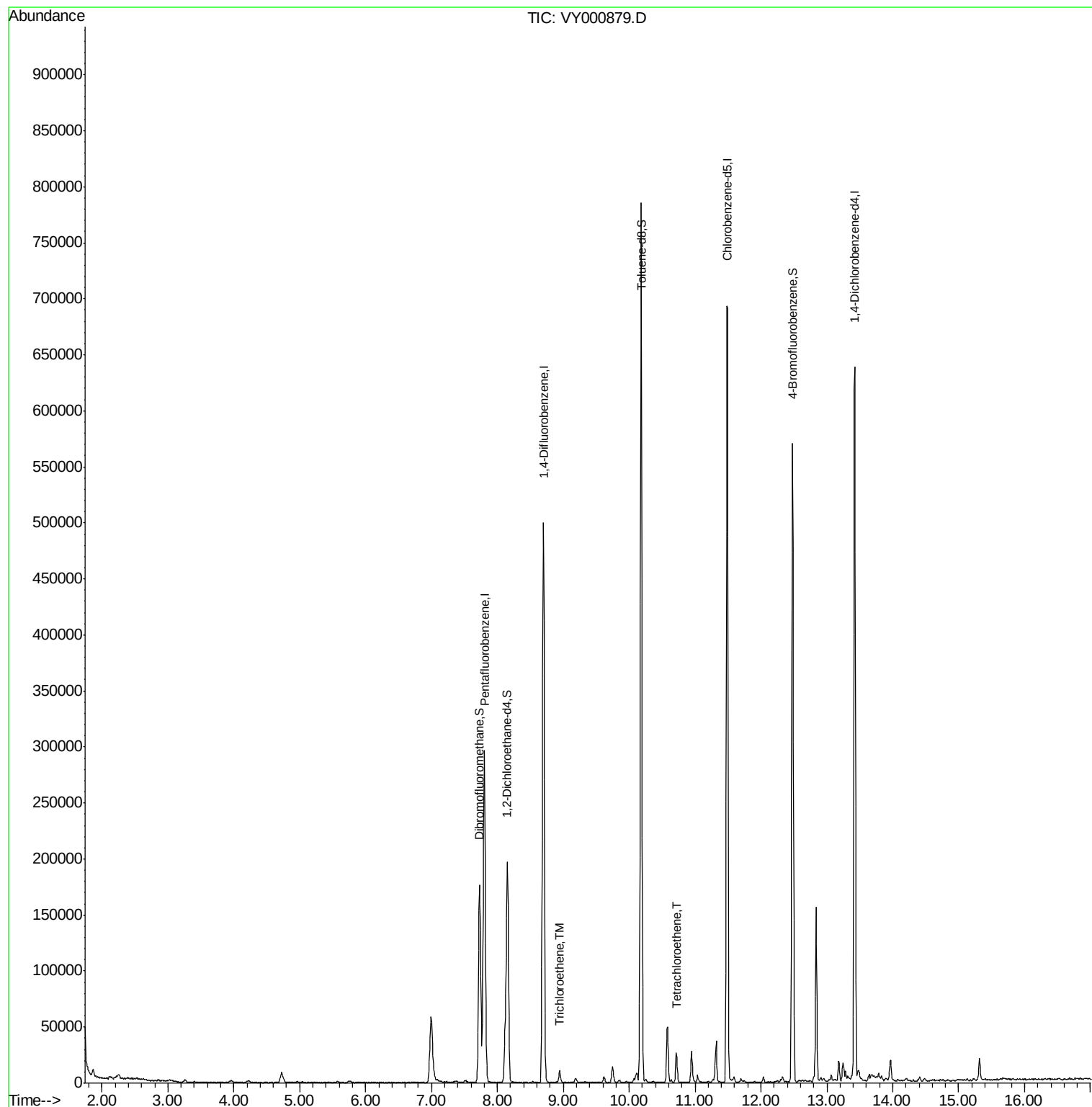
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 226212   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 418530   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 372998   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 155476   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 138524   | 57.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.26% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 122438   | 50.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.40% |          |
| 50) Toluene-d8              | 10.18 | 98   | 499970   | 51.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.54% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 160640   | 43.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.72%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 44) Trichloroethene         | 8.94  | 130  | 3570     | 1.146 | ug/l    | 82       |
| 64) Tetrachloroethene       | 10.72 | 164  | 5216     | 1.610 | ug/l #  | 80       |

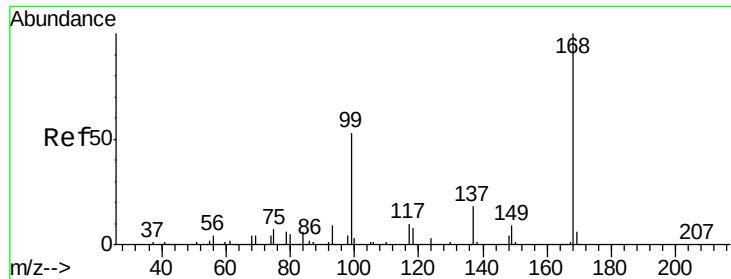
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P001-WC003

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Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 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: VY000879.D

Acq: 05 Dec 2019 13:48

Instrument :

MSVOA\_Y

ClientSampleId :

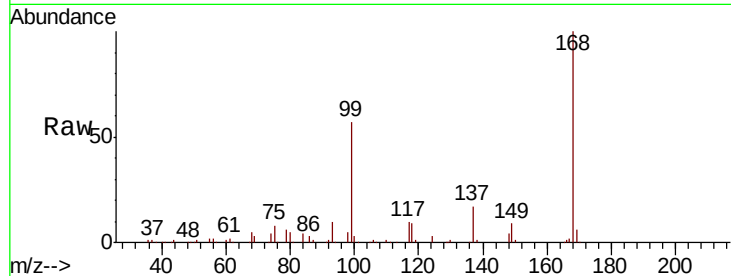
P001-WC003

Tot Ion:168 Resp: 226212

Ion Ratio Lower Upper

168 100

99 56.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000879.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000879.D (-946) (-)

7.80

100000

80000

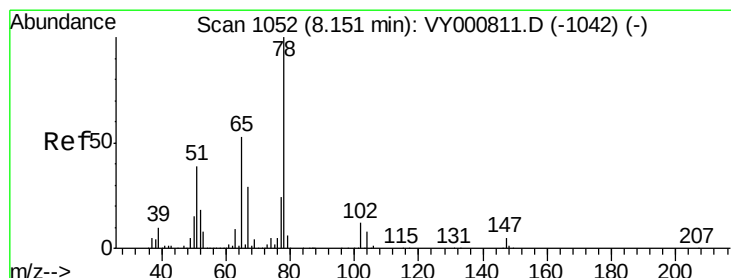
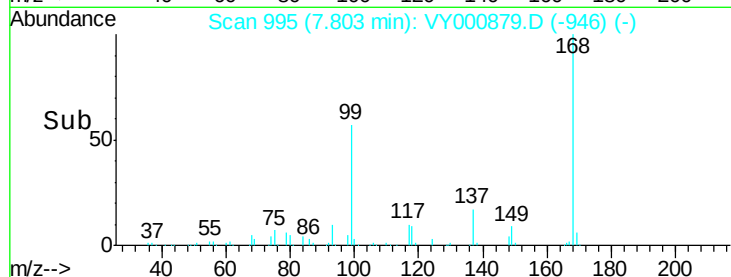
60000

40000

20000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#33

1,2-Dichloroethane-d4

Concen: 57.630 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000879.D

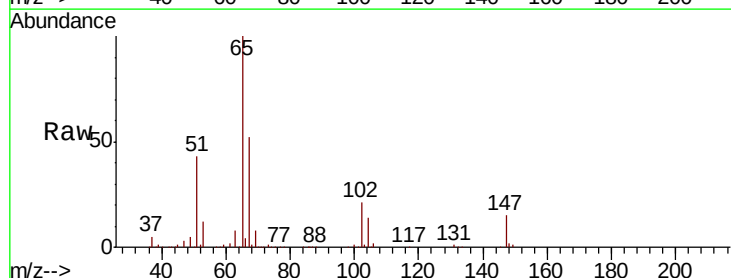
Acq: 05 Dec 2019 13:48

Tgt Ion: 65 Resp: 138524

Ion Ratio Lower Upper

65 100

67 54.4 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY000879.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY000879.D (-1003) (-)

8.15

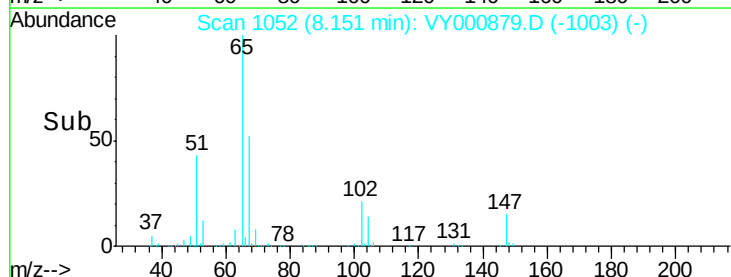
60000

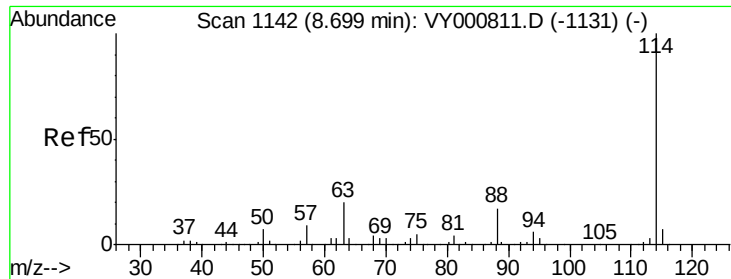
40000

20000

0

Time--> 8.05 8.10 8.15 8.20 8.25

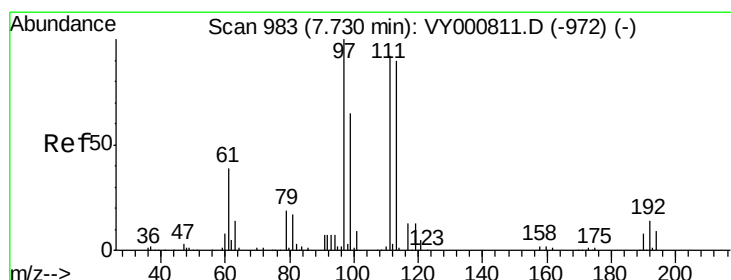
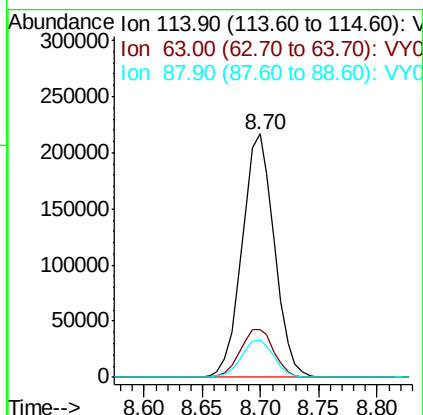
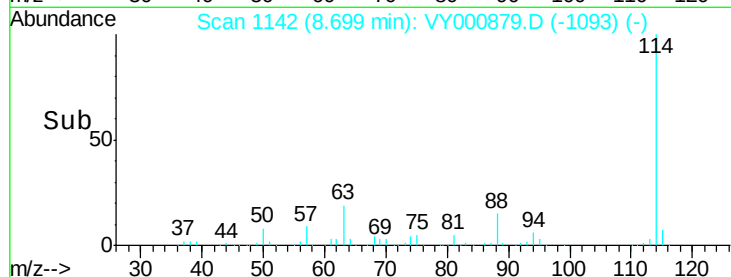
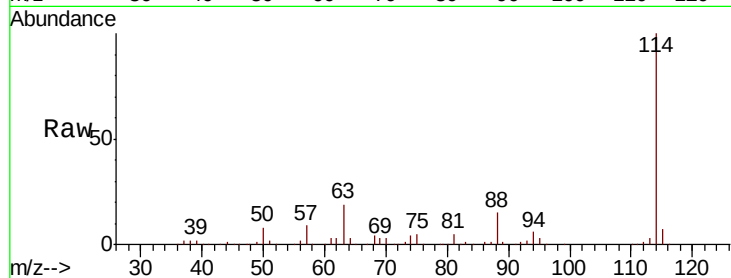




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: VY000879.D  
 Acq: 05 Dec 2019 13:48

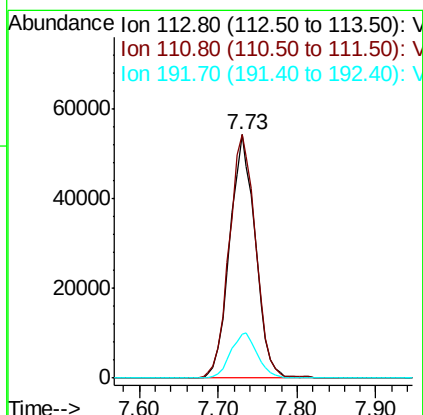
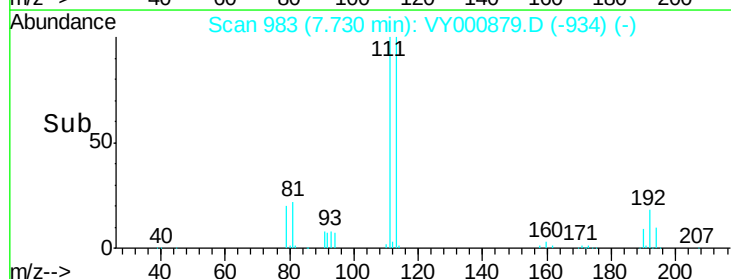
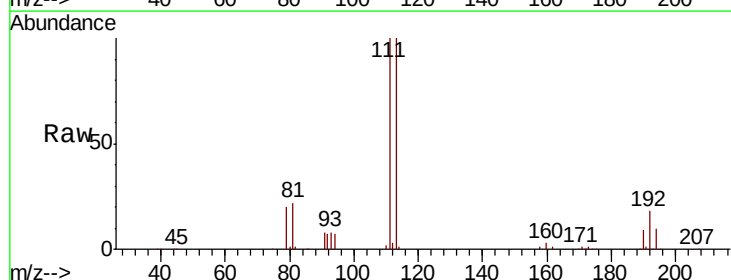
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P001-WC003

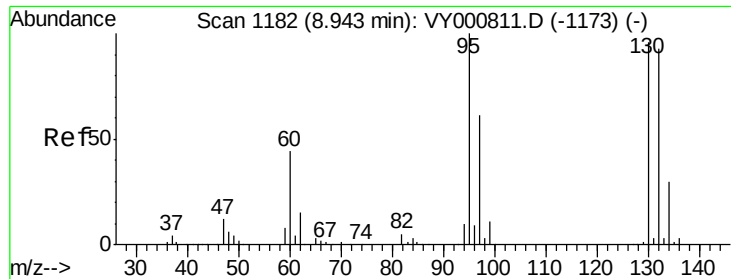
|             |       |          |
|-------------|-------|----------|
| Tot Ion:114 | Resp: | 418530   |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.4  | 0.0 39.8 |
| 88          | 15.3  | 0.0 33.2 |



#35  
 Dibromofluoromethane  
 Concen: 50.196 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000879.D  
 Acq: 05 Dec 2019 13:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 122438     |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 102.5 | 82.4 123.6 |
| 192         | 19.1  | 14.2 21.2  |





#44

Trichloroethene

Concen: 1.146 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000879.D

Acq: 05 Dec 2019 13:48

Instrument :

MSVOA\_Y

ClientSampleId :

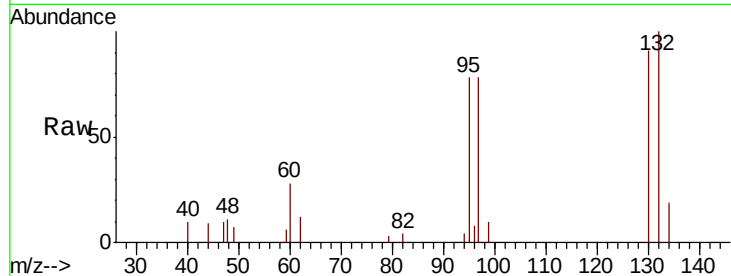
P001-WC003

Tot Ion:130 Resp: 3570

Ion Ratio Lower Upper

130 100

95 86.0 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VY000811.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY000811.D (-1173) (-)

8.94

2500

2000

1500

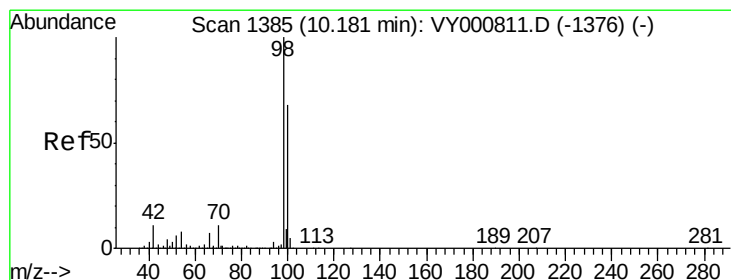
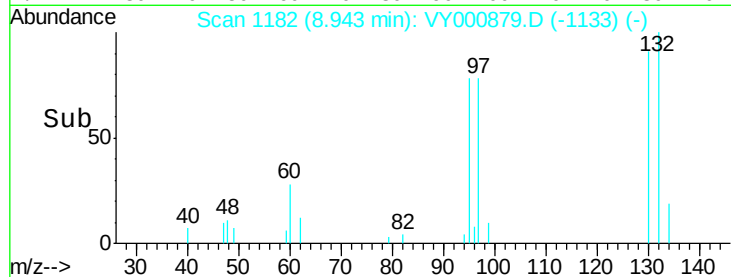
1000

500

0

8.90 8.95 9.00

Time-->



#50

Toluene-d8

Concen: 51.270 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000879.D

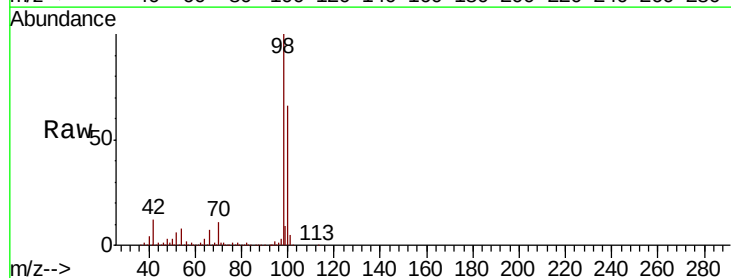
Acq: 05 Dec 2019 13:48

Tgt Ion: 98 Resp: 499970

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY000811.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000811.D (-1376) (-)

10.18

300000

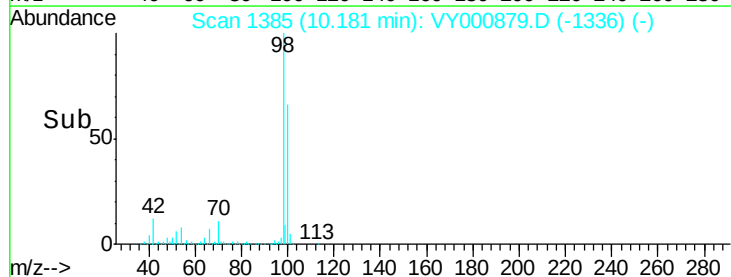
200000

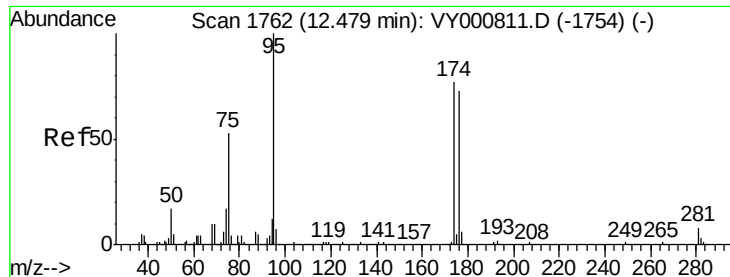
100000

0

10.10 10.20 10.30

Time-->

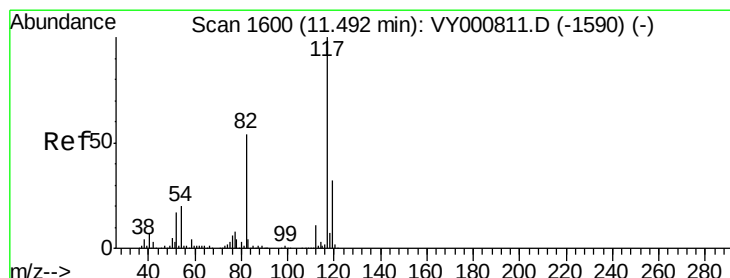
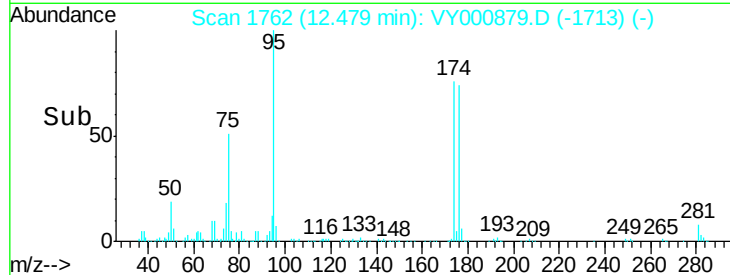
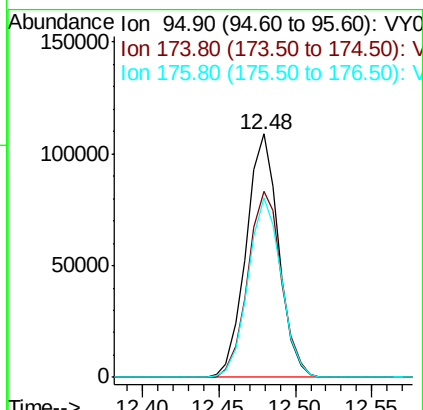
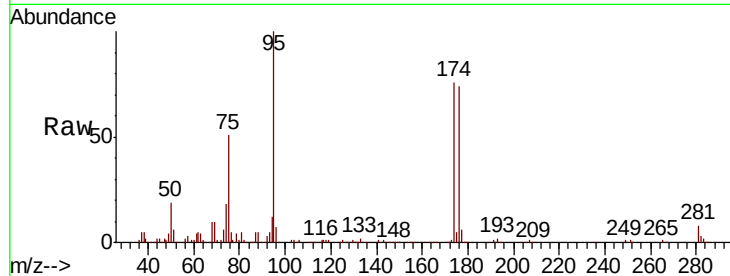




#62  
4-Bromofluorobenzene  
Concen: 43.863 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY000879.D  
Acq: 05 Dec 2019 13:48

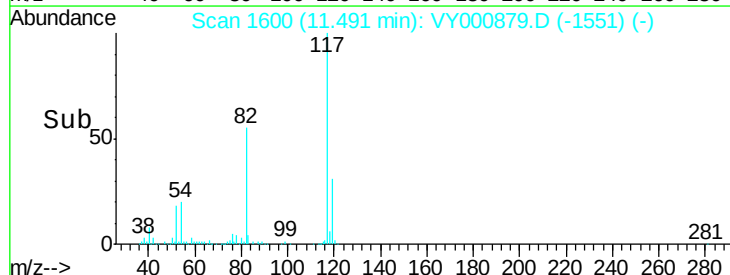
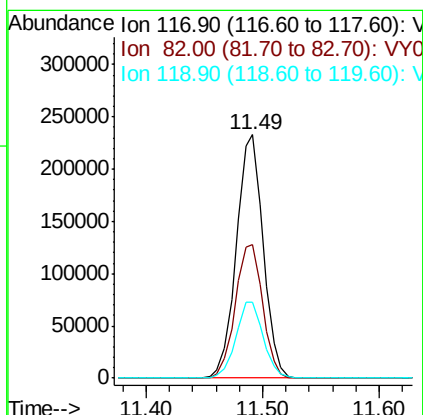
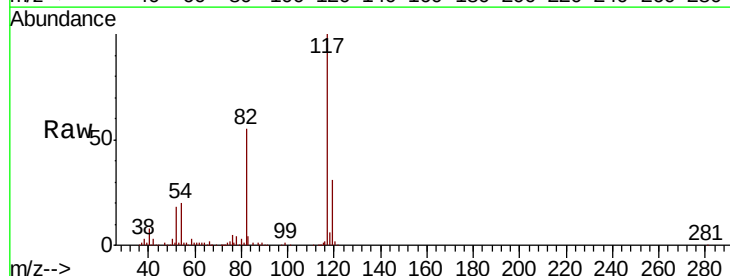
Instrument :  
MSVOA\_Y  
ClientSampled :  
P001-WC003

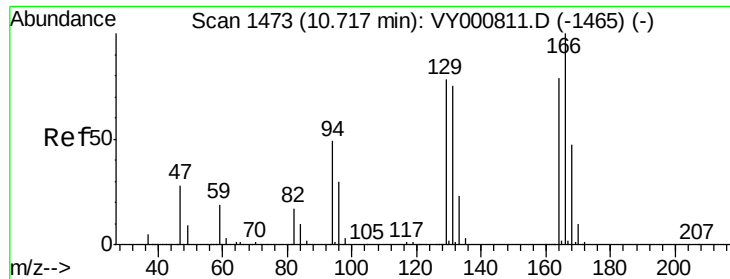
| Tot Ion   | 95    | Resp  | 160640 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 79.0  | 0.0   | 150.6  |
| 176       | 75.5  | 0.0   | 145.2  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000879.D  
Acq: 05 Dec 2019 13:48

| Tgt Ion   | 117   | Resp  | 372998 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.0  | 43.1  | 64.7   |
| 119       | 31.2  | 25.3  | 37.9   |





#64

Tetrachloroethene

Concen: 1.610 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY000879.D

Acq: 05 Dec 2019 13:48

Instrument :

MSVOA\_Y

ClientSampleId :

P001-WC003

Tot Ion:164 Resp: 5216

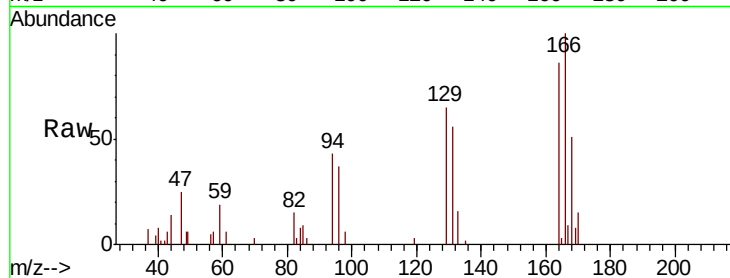
Ion Ratio Lower Upper

164 100

166 116.2 101.8 152.8

129 75.0 79.3 118.9#

131 65.4 76.4 114.6#

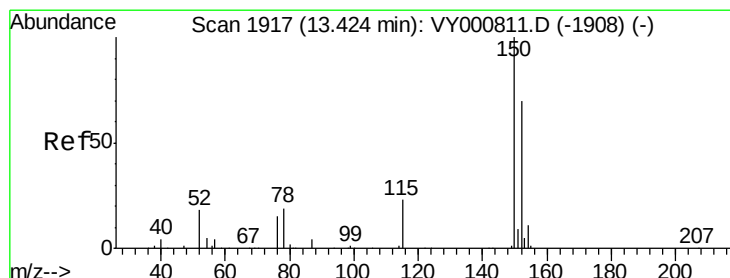
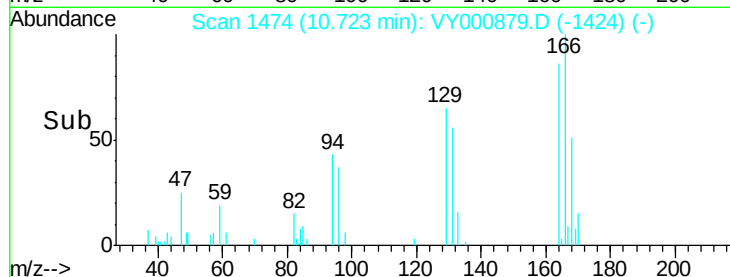
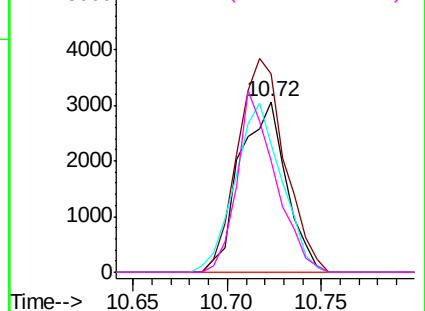


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000879.D

Acq: 05 Dec 2019 13:48

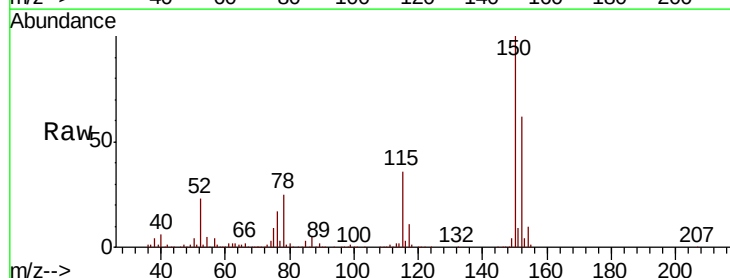
Tgt Ion:152 Resp: 155476

Ion Ratio Lower Upper

152 100

115 59.1 29.3 87.8

150 158.3 0.0 351.2



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

