

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
 Data File : VY000577.D  
 Acq On : 07 Nov 2019 13:58  
 Operator : SY/MD  
 Sample : K5723-08  
 Misc : 7.27G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 9-A

Quant Time: Nov 08 04:19:19 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

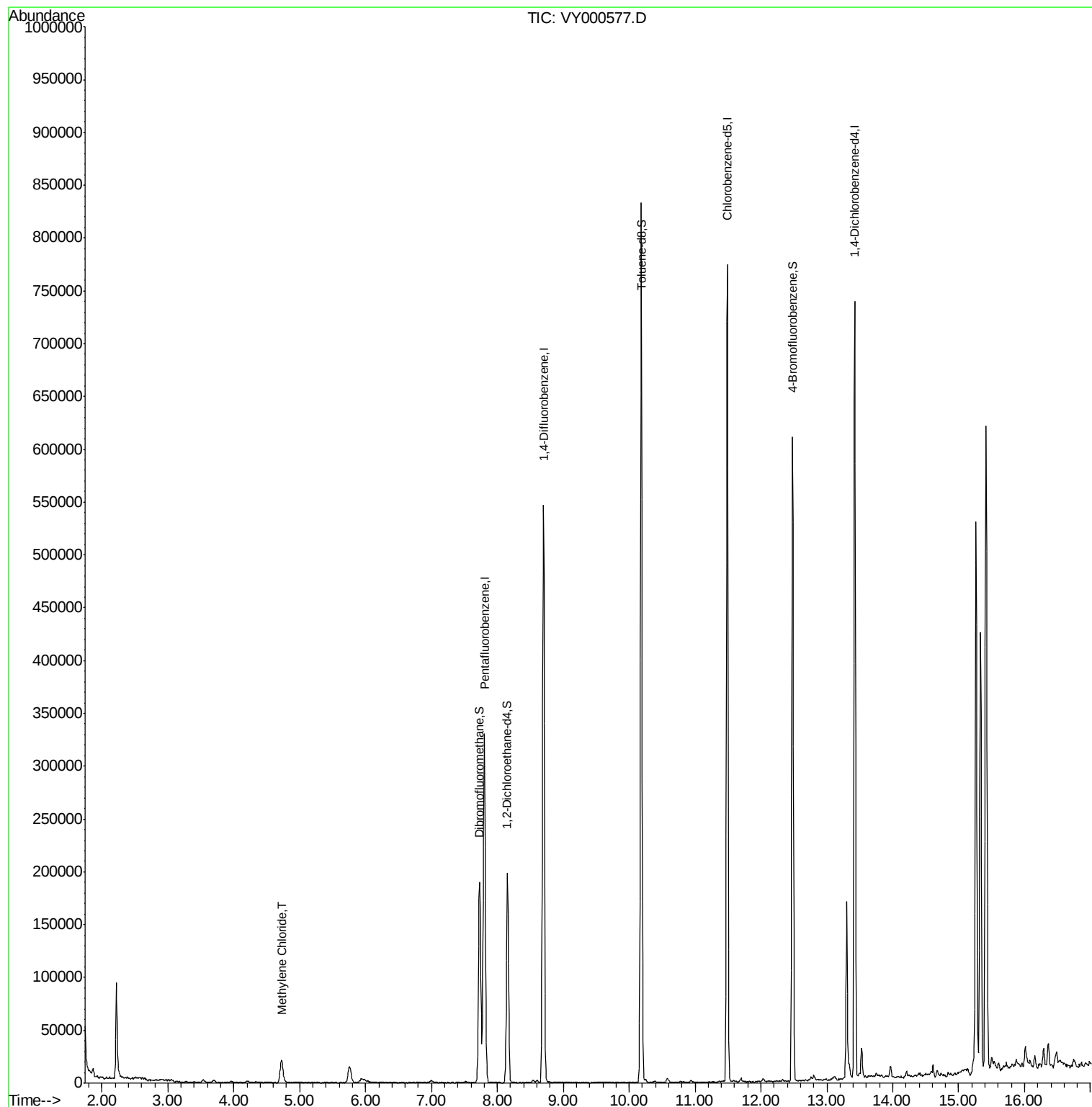
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 247270   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 455691   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 401620   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 170675   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 150626   | 58.86 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.72% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 134427   | 50.25 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.50% |           |
| 50) Toluene-d8              | 10.18 | 98   | 529977   | 52.21 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.42% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 183397   | 47.46 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.92%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.72  | 84   | 16033    | 5.305 | ug/l    | Qvalue 95 |

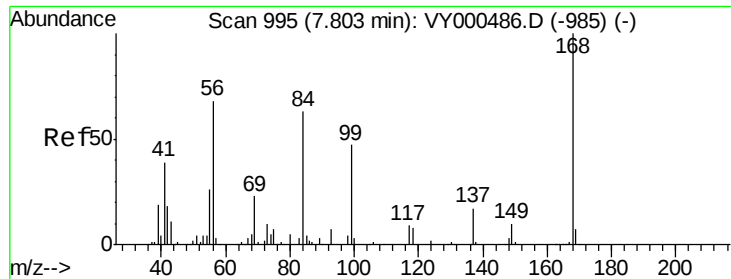
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\DATA\VY110719\  
Data File : VY000577.D  
Acq On : 07 Nov 2019 13:58  
Operator : SY/MD  
Sample : K5723-08  
Misc : 7.27G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
9-A

Quant Time: Nov 08 04:19:19 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
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: VY000577.D

Acq: 07 Nov 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

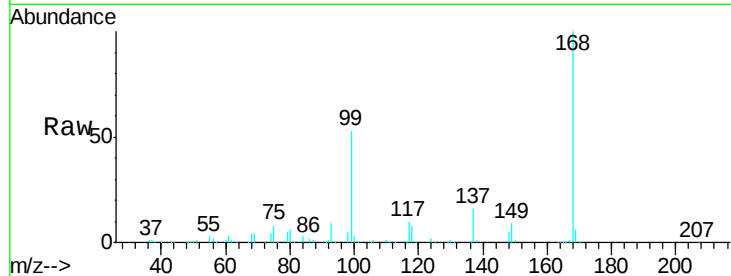
9-A

Tgt Ion:168 Resp: 247270

Ion Ratio Lower Upper

168 100

99 53.4 45.7 68.5



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

Ion 98.90 (98.60 to 99.60): VY000577.D (-946) (-)

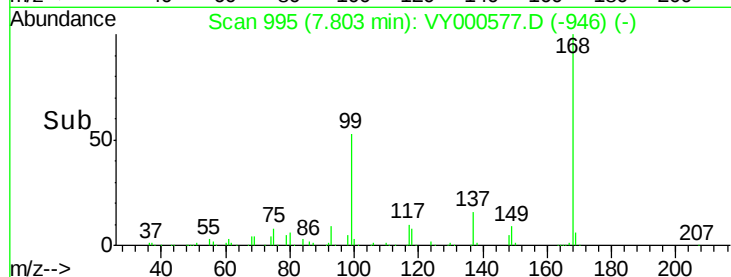
7.80

100000

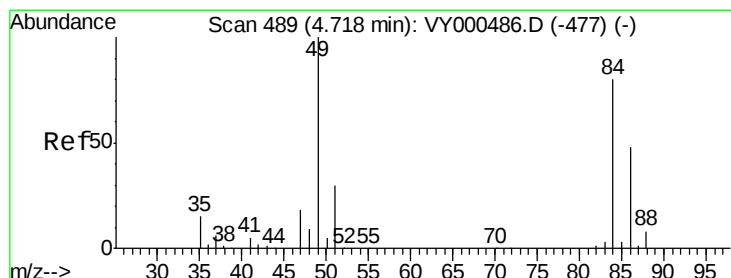
50000

0

7.70 7.80 7.90



Time-->



#20

Methylene Chloride

Concen: 5.305 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000577.D

Acq: 07 Nov 2019 13:58

Tgt Ion: 84 Resp: 16033

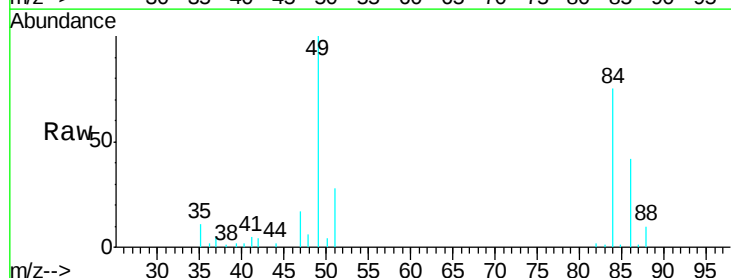
Ion Ratio Lower Upper

84 100

49 133.1 100.2 150.4

51 37.5 29.6 44.4

86 56.2 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

Ion 48.90 (48.60 to 49.60): VY000577.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000577.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000577.D (-440) (-)

4.72

10000

8000

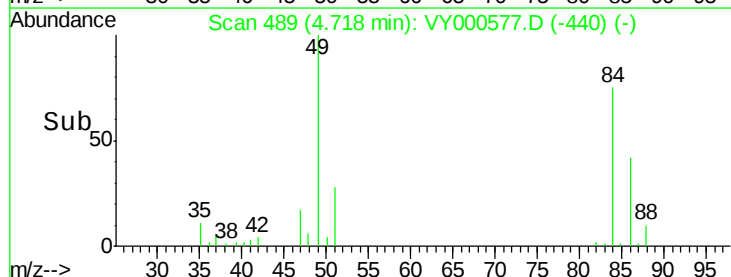
6000

4000

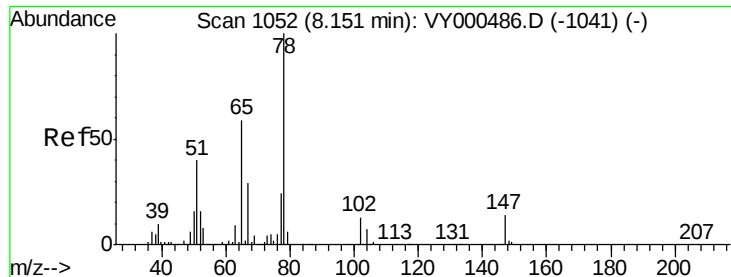
2000

0

4.60 4.70 4.80



Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.863 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000577.D

Acq: 07 Nov 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

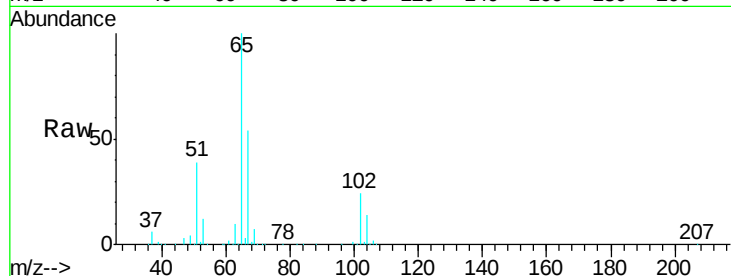
9-A

Tgt Ion: 65 Resp: 150626

Ion Ratio Lower Upper

65 100

67 53.8 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

60000

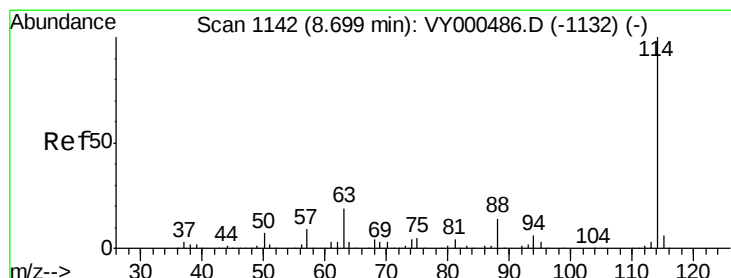
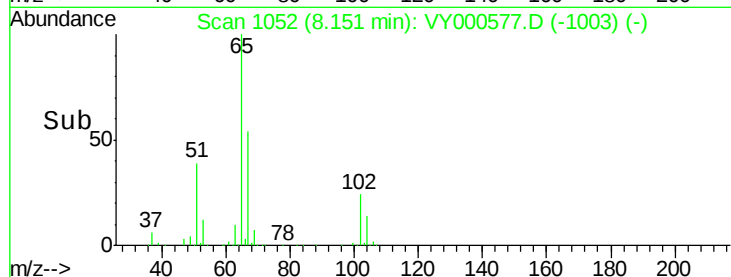
40000

20000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000577.D

Acq: 07 Nov 2019 13:58

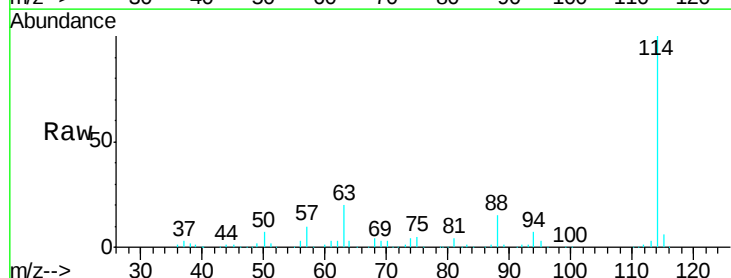
Tgt Ion: 114 Resp: 455691

Ion Ratio Lower Upper

114 100

63 19.9 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

300000

250000

200000

150000

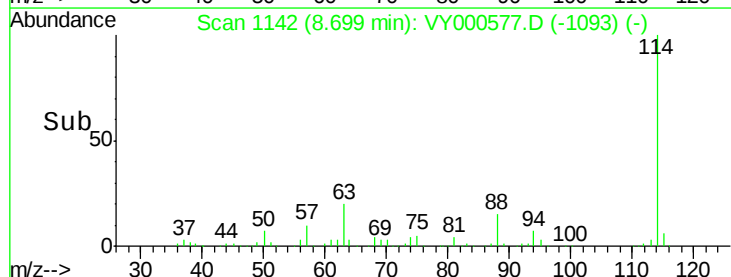
100000

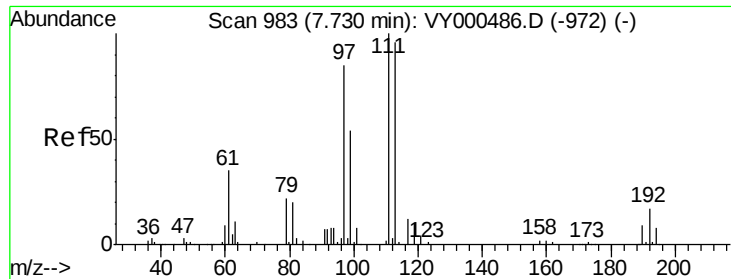
50000

0

8.60 8.70 8.80

Time-->

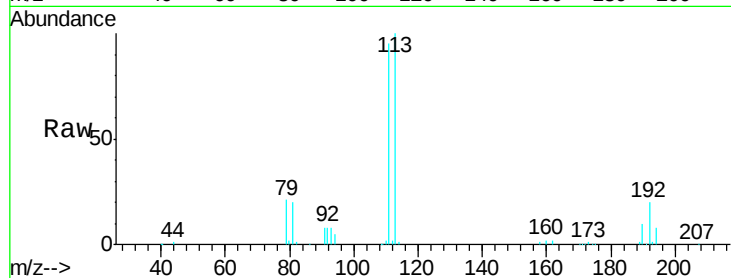




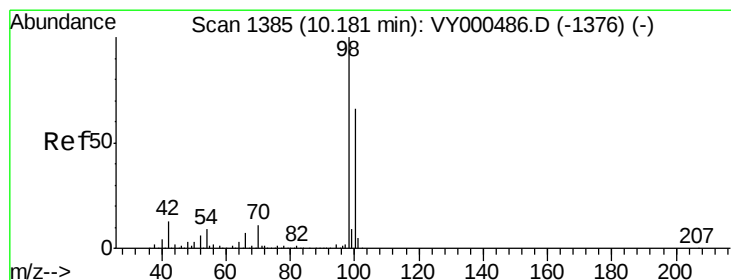
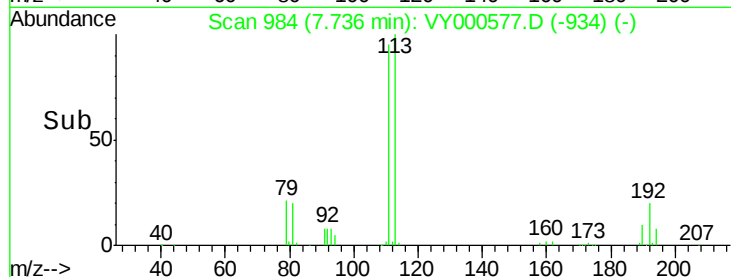
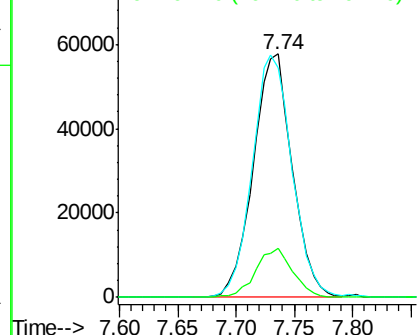
#35  
 Dibromofluoromethane  
 Concen: 50.249 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. 0.01 min  
 Lab File: VY000577.D  
 Acq: 07 Nov 2019 13:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 9-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 81.7  | 122.5 |
| 192     | 19.1  | 15.0  | 22.4  |

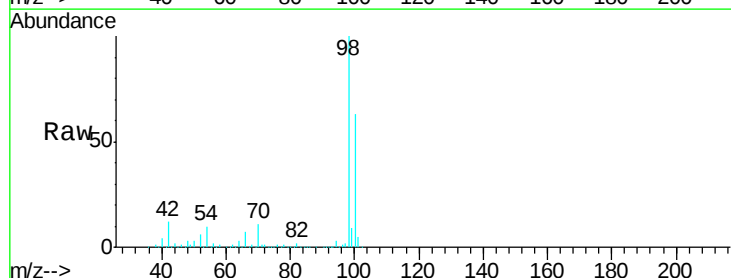


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

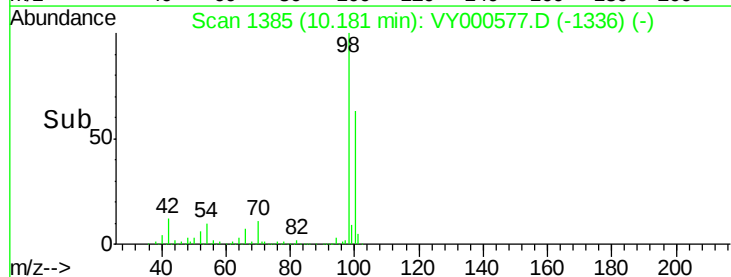
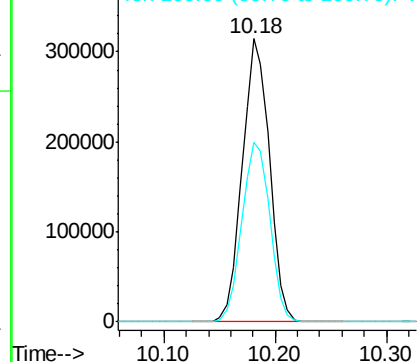


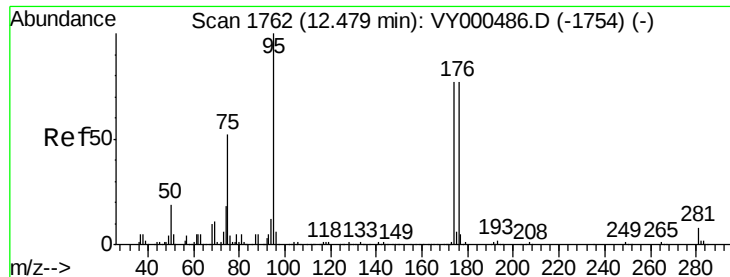
#50  
 Toluene-d8  
 Concen: 52.210 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY000577.D  
 Acq: 07 Nov 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.6  | 52.9  | 79.3  |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY0

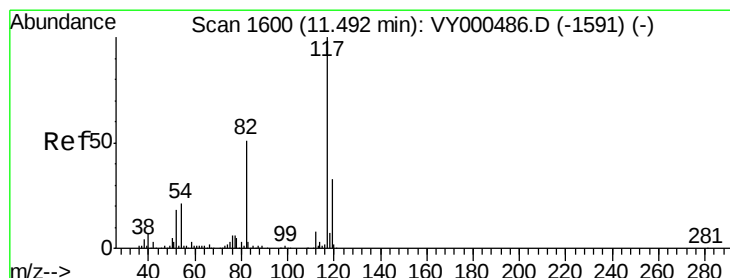
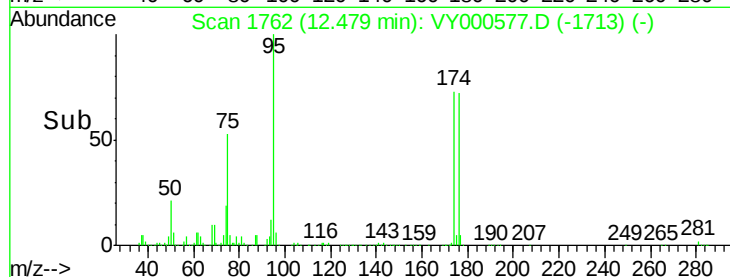
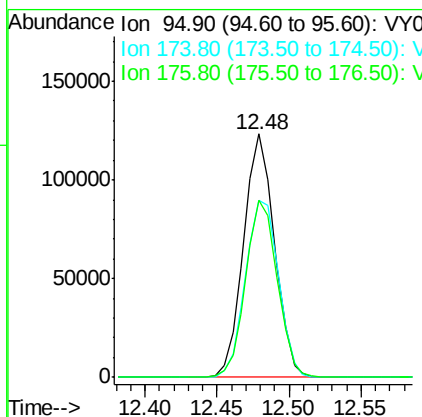
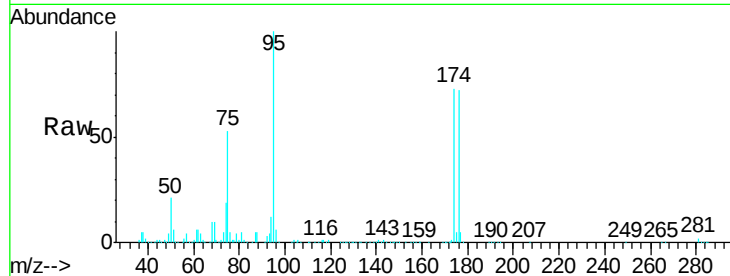




#62  
4-Bromofluorobenzene  
Concen: 47.458 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY000577.D  
Acq: 07 Nov 2019 13:58

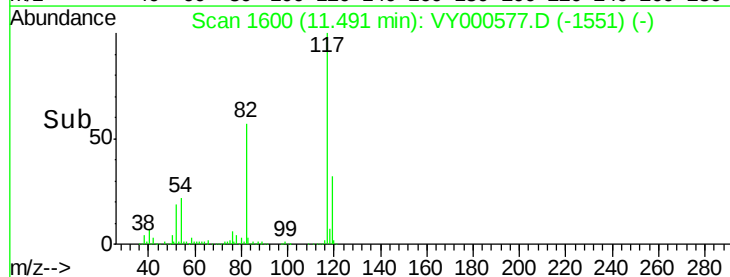
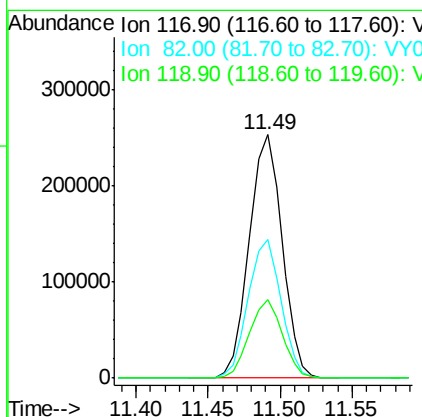
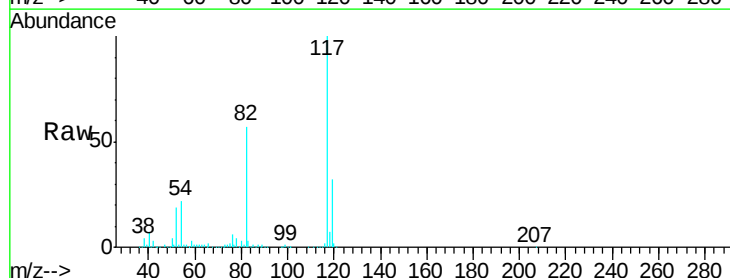
Instrument :  
MSVOA\_Y  
ClientSampleId :  
9-A

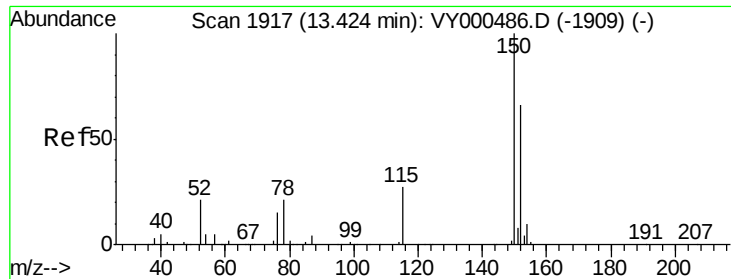
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.5  | 0.0   | 161.6 |
| 176     | 73.9  | 0.0   | 157.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000577.D  
Acq: 07 Nov 2019 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.9  | 40.8  | 61.2  |
| 119     | 32.0  | 26.2  | 39.2  |



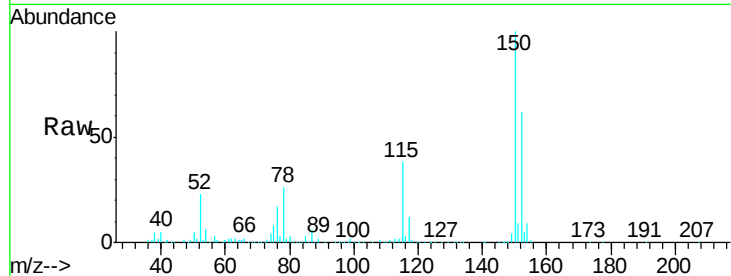


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.42 min Scan# 1917  
 Delta R.T. -0.00 min  
 Lab File: VY000577.D  
 Acq: 07 Nov 2019 13:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 9-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.8  | 29.1  | 87.4  |
| 150     | 158.7 | 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

