

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\  
 Data File : VY000102.D  
 Acq On : 20 Sep 2019 12:52  
 Operator : SY/MD  
 Sample : K4863-11  
 Misc : 4.94g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-4-7-1

Quant Time: Sep 21 00:09:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 05:38:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.79  | 168  | 91079    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 192159   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 139112   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 38285    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 57090    | 54.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.96% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 53769    | 46.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.42%  |          |
| 50) Toluene-d8              | 10.18 | 98   | 216040   | 47.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.56%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 54664    | 32.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 64.44%  |          |

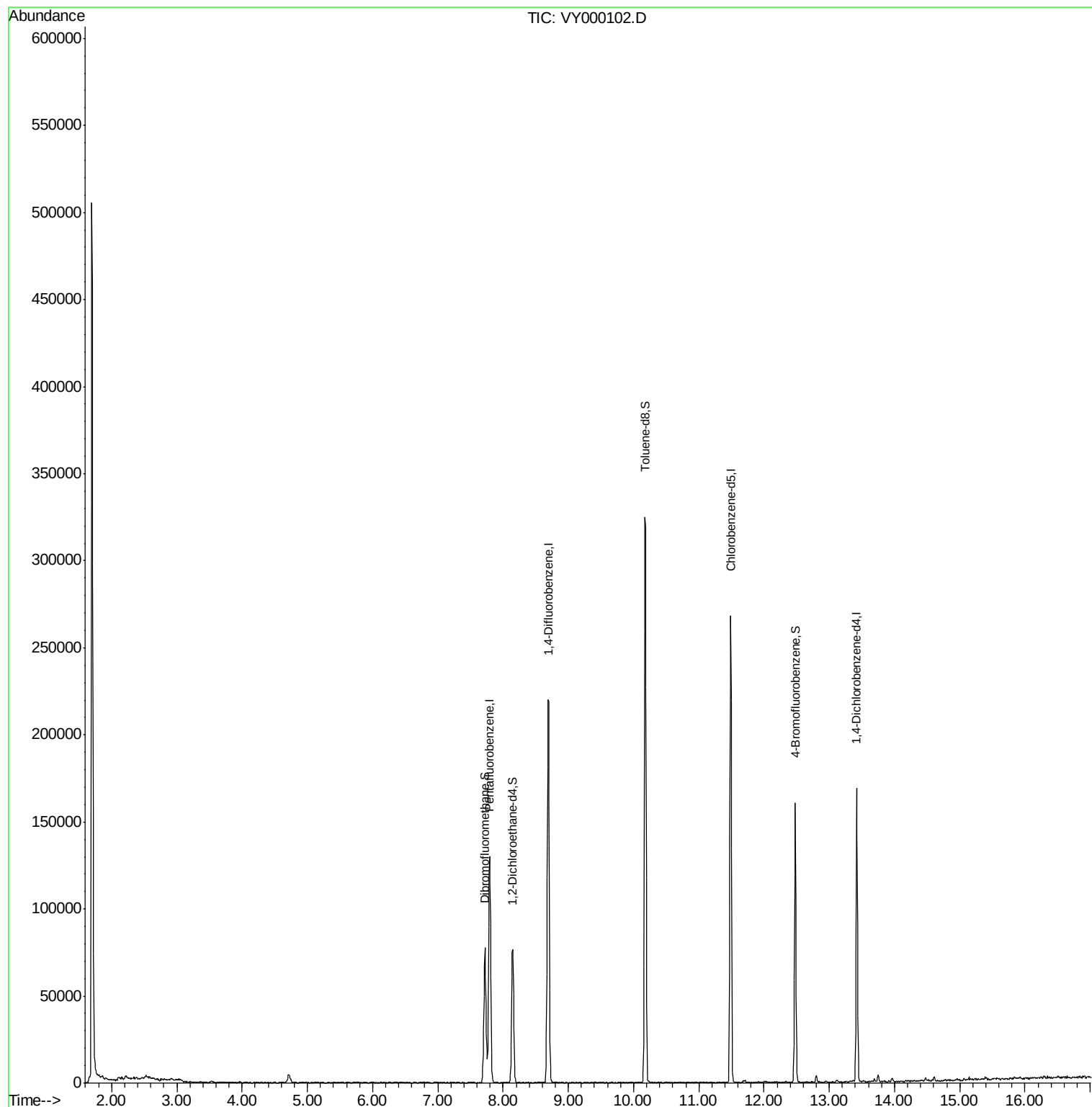
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

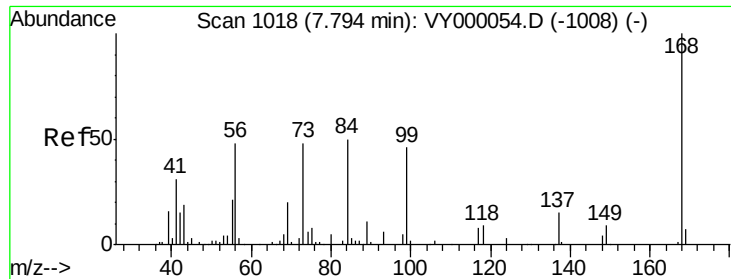
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 19 05:38:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA\_Y

ClientSampleId :

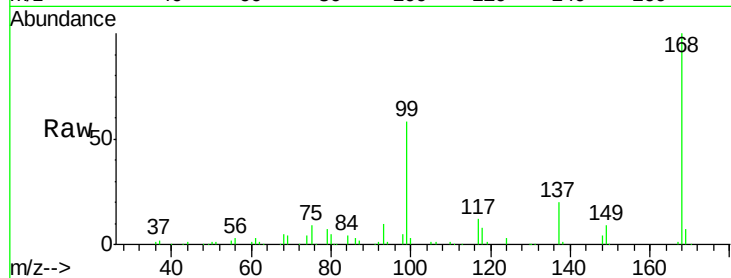
CSA-4-7-1

Tot Ion:168 Resp: 91079

Ion Ratio Lower Upper

168 100

99 58.4 44.2 66.2

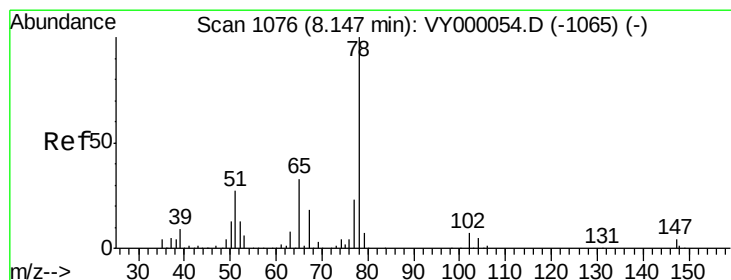
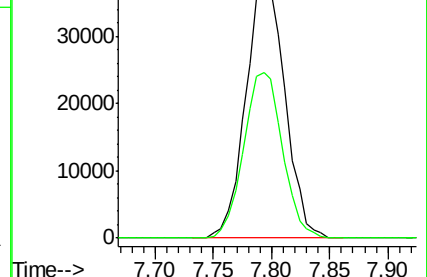
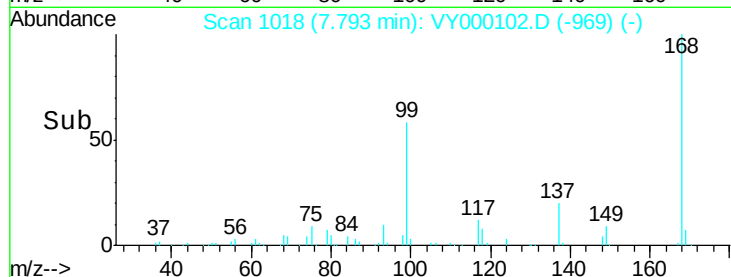


Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.482 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000102.D

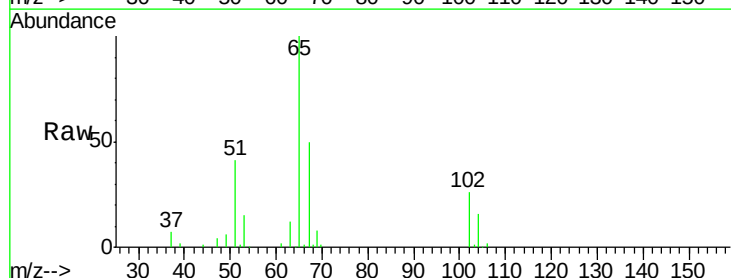
Acq: 20 Sep 2019 12:52

Tgt Ion: 65 Resp: 57090

Ion Ratio Lower Upper

65 100

67 54.0 0.0 111.0

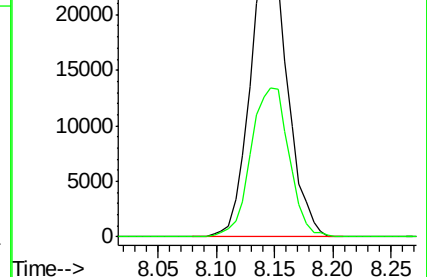
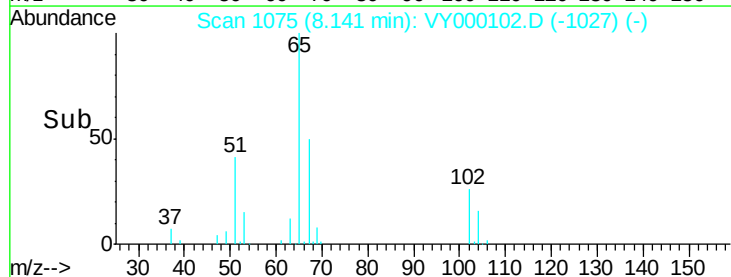


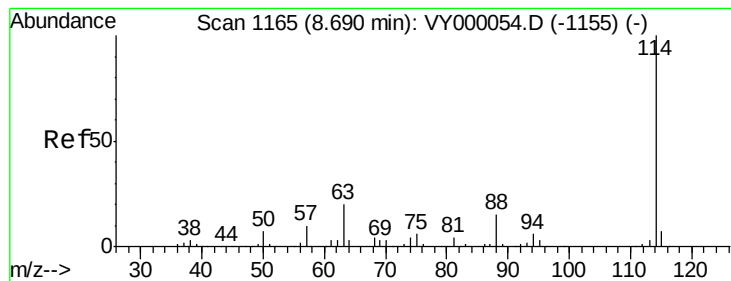
Abundance Ion 64.90 (64.60 to 65.60): VY000054.D (-1065) (-)

Ion 66.90 (66.60 to 67.60): VY000054.D (-1065) (-)

8.14

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-4-7-1

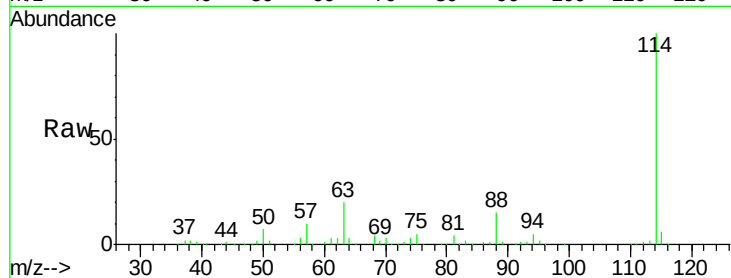
Tot Ion:114 Resp: 192159

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

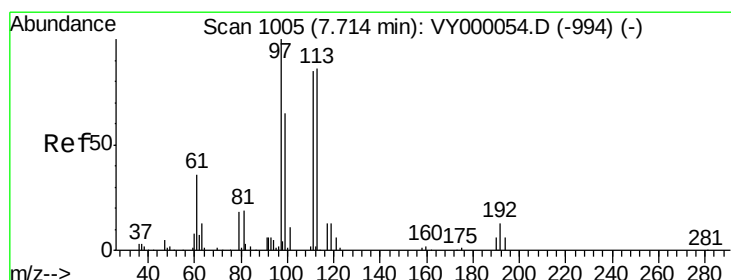
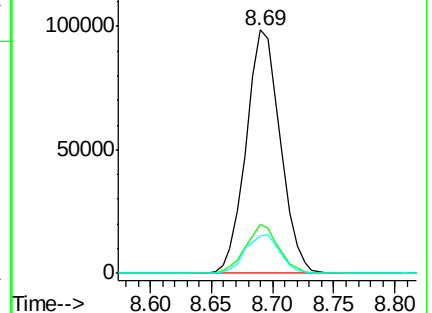
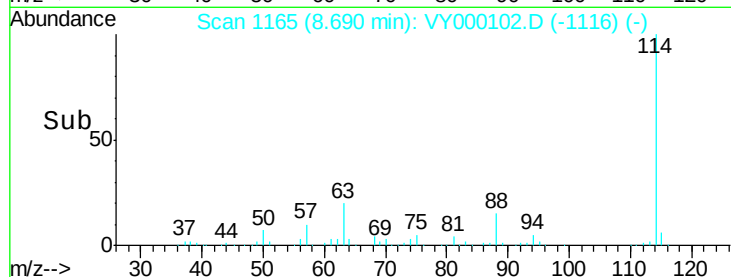
88 15.2 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 46.214 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

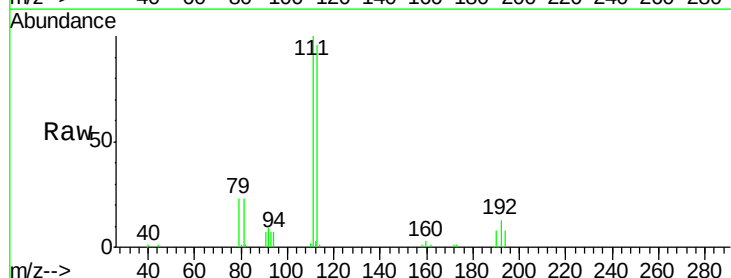
Tgt Ion:113 Resp: 53769

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

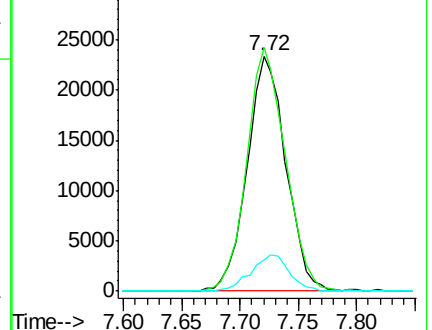
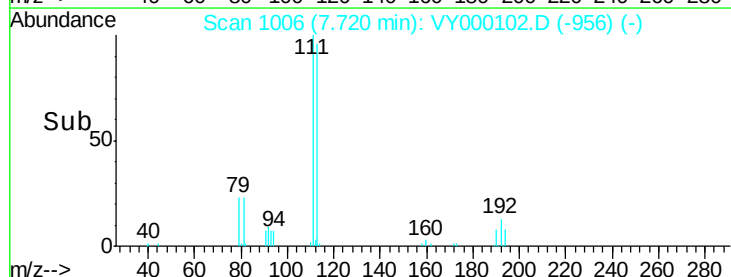
192 15.3 13.4 20.2

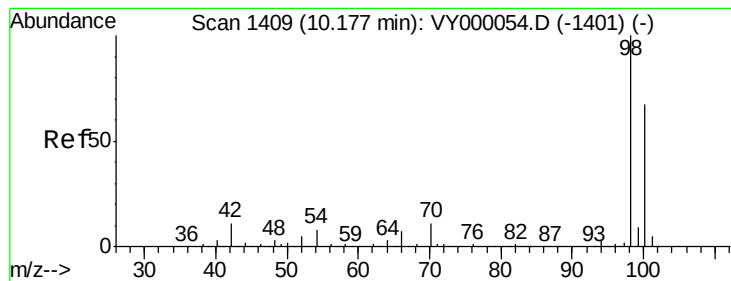


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.276 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA\_Y

ClientSampleId :

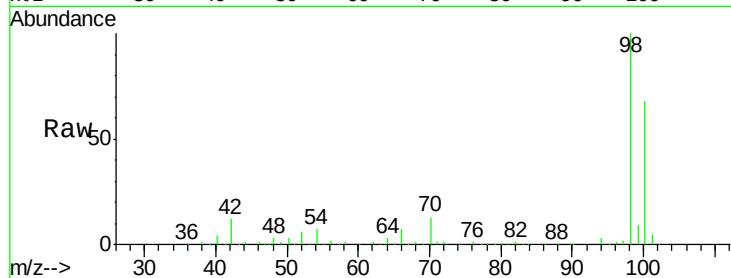
CSA-4-7-1

Tot Ion: 98 Resp: 216040

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY000054.D (-1401) (-)

Ion 100.00 (99.70 to 100.70): VY000054.D (-1401) (-)

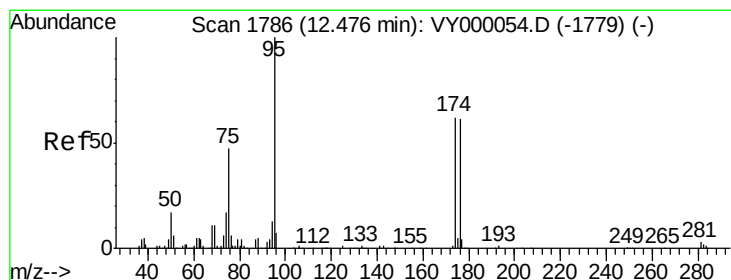
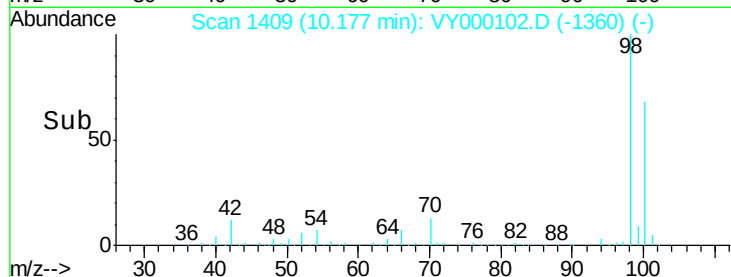
10.18

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 32.219 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

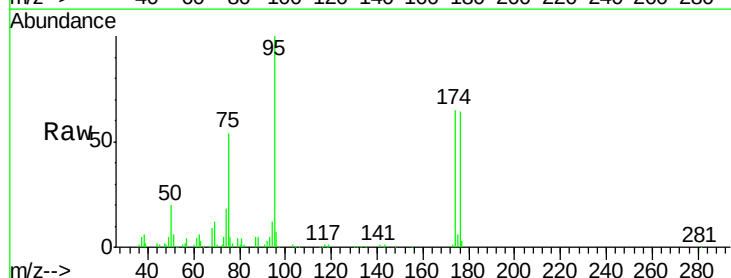
Tgt Ion: 95 Resp: 54664

Ion Ratio Lower Upper

95 100

174 63.6 0.0 137.2

176 65.4 0.0 135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)

12.48

40000

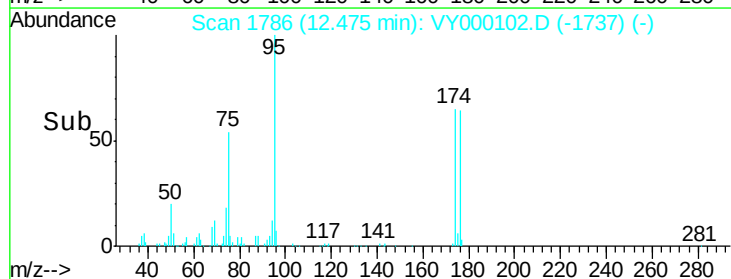
30000

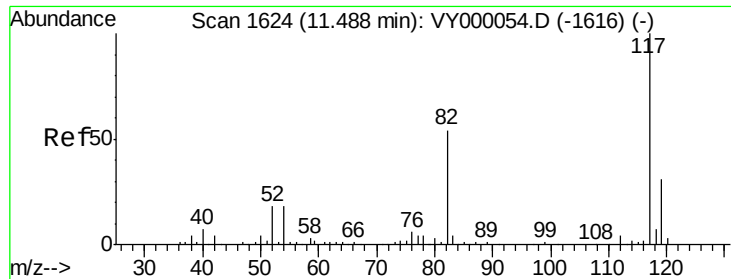
20000

10000

0

Time-->

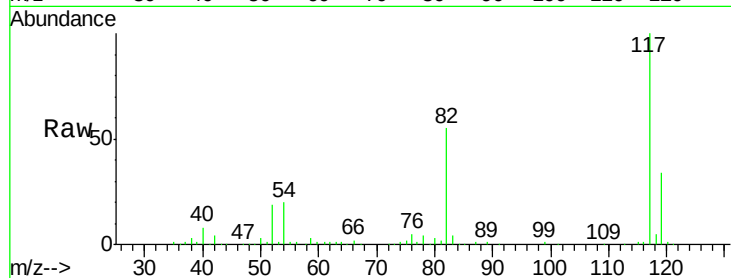




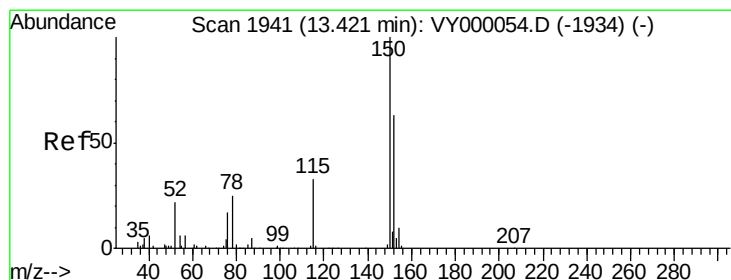
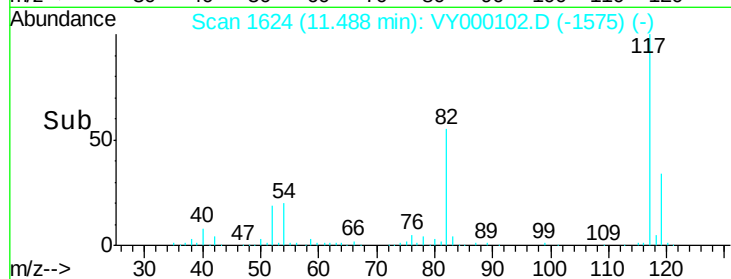
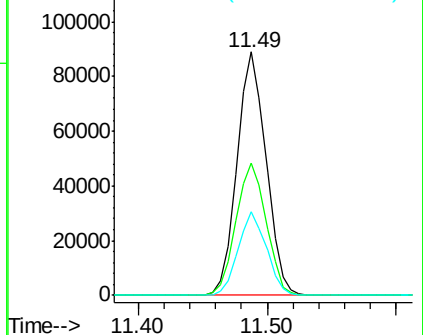
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: VY000102.D  
Acq: 20 Sep 2019 12:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-4-7-1

Tot Ion:117 Resp: 139112  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.5 65.3  
119 34.1 24.6 36.8

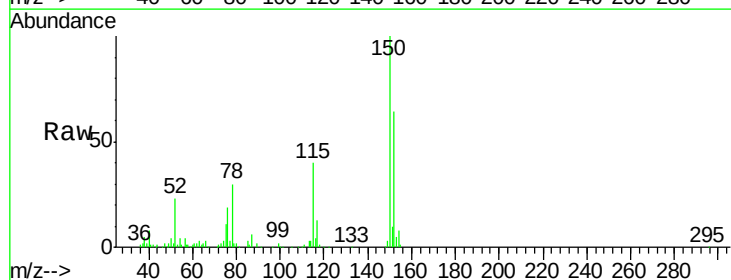


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VY000102.D  
Acq: 20 Sep 2019 12:52

Tgt Ion:152 Resp: 38285  
Ion Ratio Lower Upper  
152 100  
115 63.6 30.7 92.1  
150 152.8 0.0 351.6



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

