

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\  
 Data File : VY000036.D  
 Acq On : 13 Sep 2019 10:54  
 Operator : SY/MD  
 Sample : VY0913SBL03  
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBL03

Quant Time: Sep 13 12:52:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091219S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 12 16:17:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.79  | 168  | 122187   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 243204   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 205864   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 87108    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65  | 69951    | 53.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.30% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 70295    | 50.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.76% |      |
| 50) Toluene-d8              | 10.18  | 98  | 291869   | 51.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.92% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 101399   | 49.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.32%  |      |

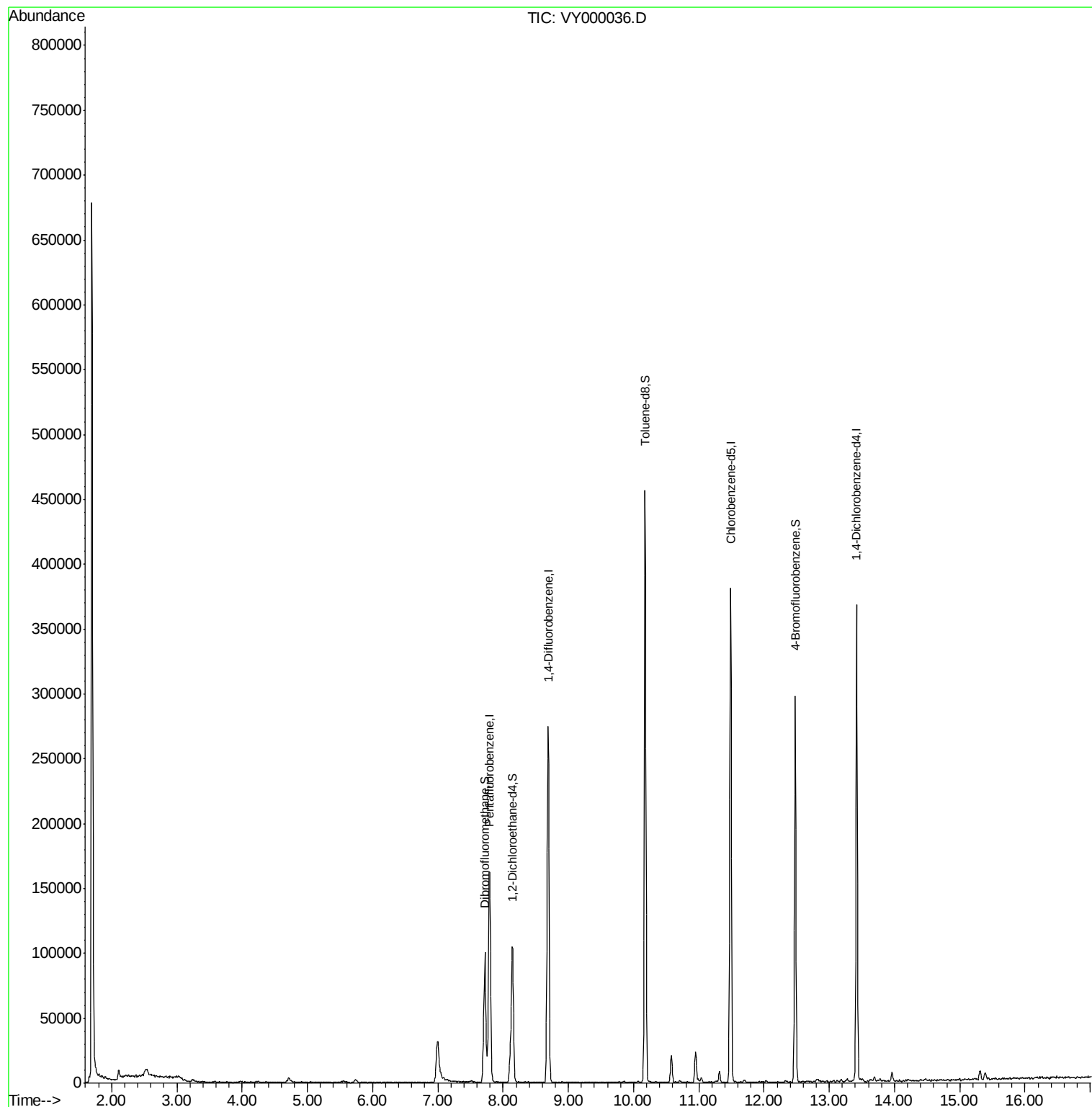
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

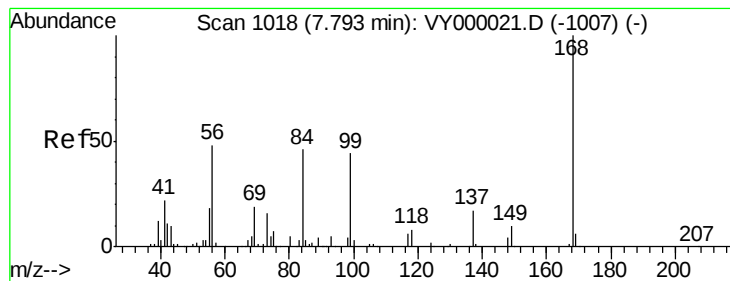
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091319\  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0913SBL03

Quant Time: Sep 13 12:52:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091219S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 12 16:17:30 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: VY000036.D

Acq: 13 Sep 2019 10:54

Instrument :

MSVOA\_Y

ClientSampleId :

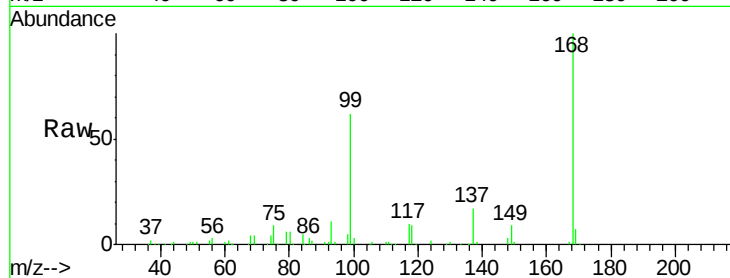
VY0913SBL03

Tot Ion:168 Resp: 122187

Ion Ratio Lower Upper

168 100

99 61.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

50000

40000

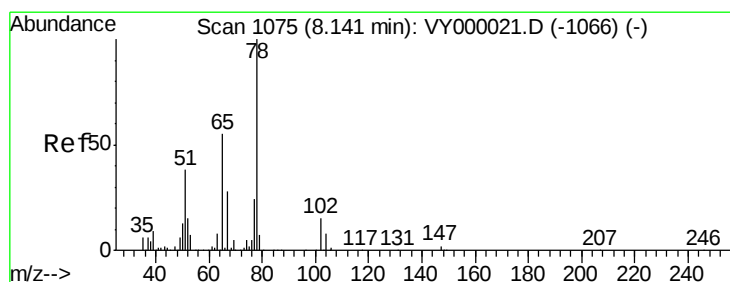
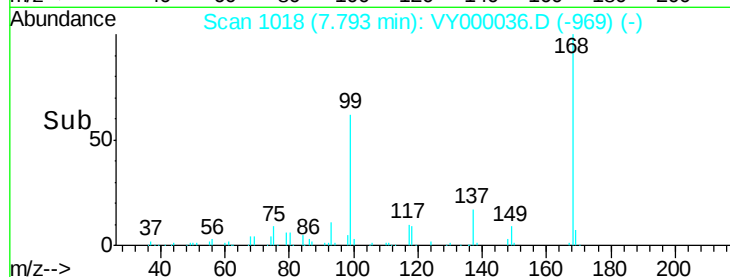
30000

20000

10000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.146 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000036.D

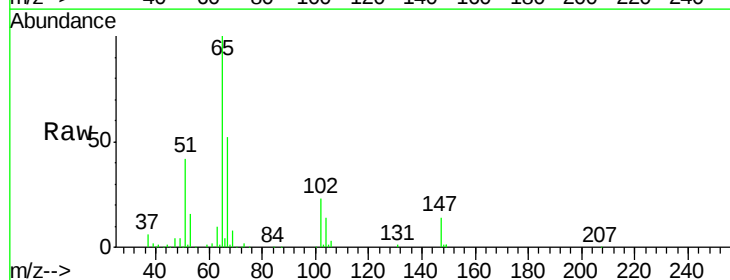
Acq: 13 Sep 2019 10:54

Tgt Ion: 65 Resp: 69951

Ion Ratio Lower Upper

65 100

67 57.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.14

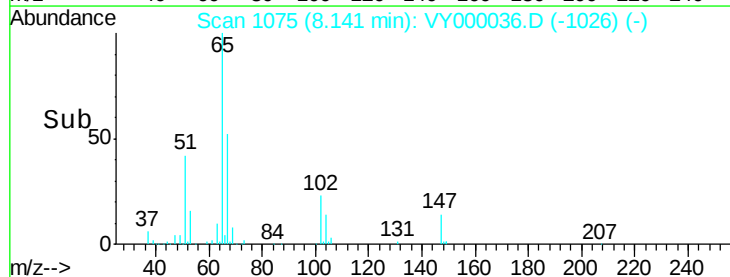
30000

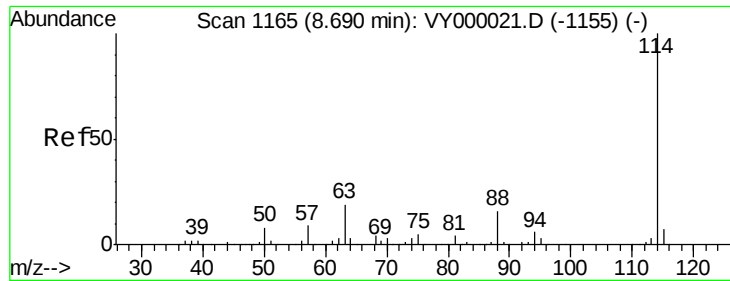
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0

Time-->

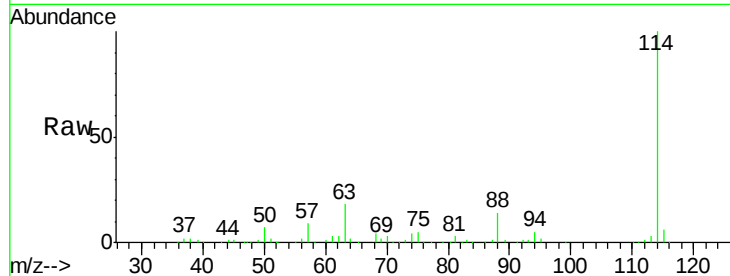




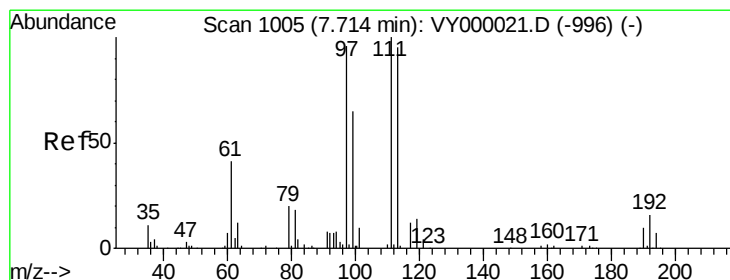
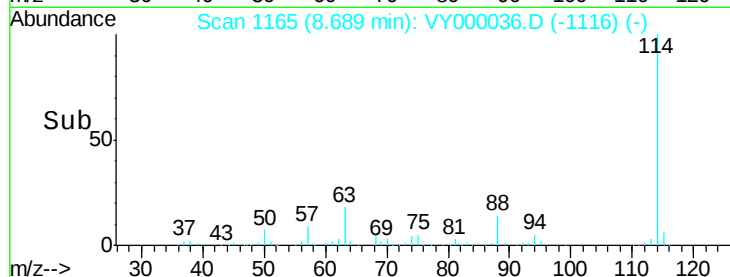
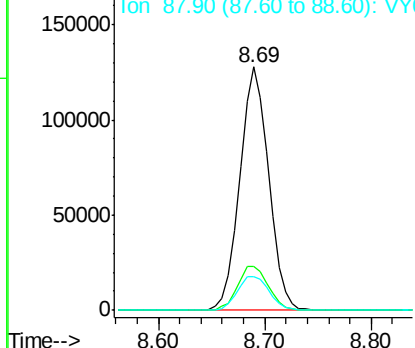
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1165  
 Delta R.T. -0.00 min  
 Lab File: VY000036.D  
 Acq: 13 Sep 2019 10:54

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBL03

Tot Ion:114 Resp: 243204  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 38.6  
 88 13.8 0.0 31.8

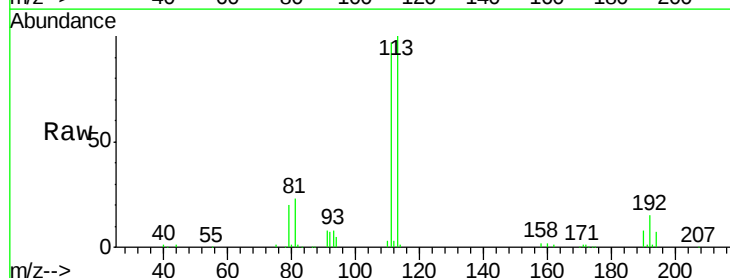


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

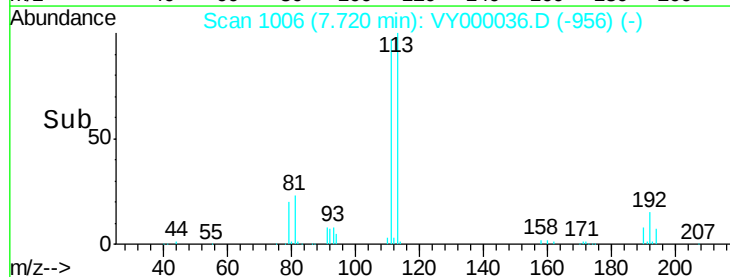
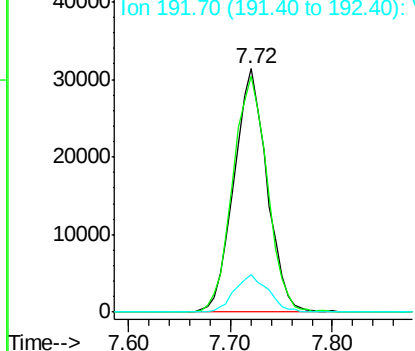


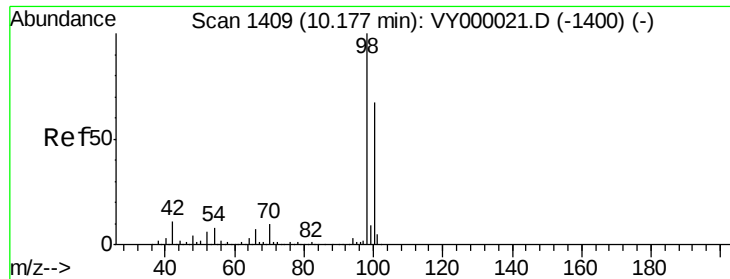
#35  
 Dibromofluoromethane  
 Concen: 50.382 ug/l  
 RT: 7.72 min Scan# 1006  
 Delta R.T. 0.01 min  
 Lab File: VY000036.D  
 Acq: 13 Sep 2019 10:54

Tgt Ion:113 Resp: 70295  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 83.9 125.9  
 192 15.7 14.5 21.7



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: 51.956 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000036.D

Acq: 13 Sep 2019 10:54

Instrument :

MSVOA\_Y

ClientSampleId :

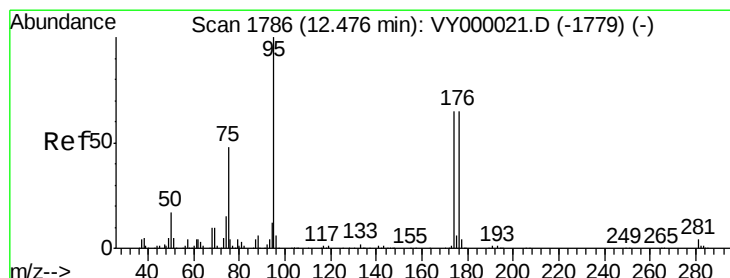
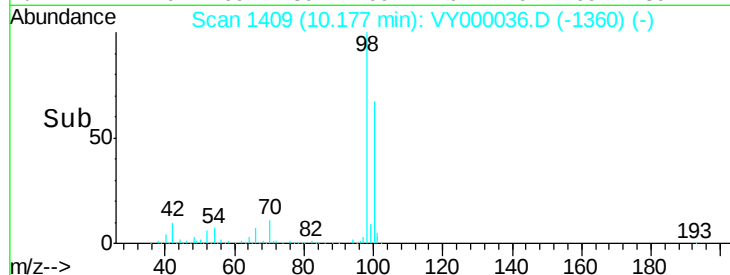
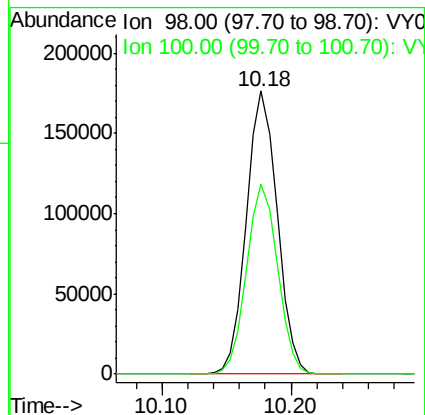
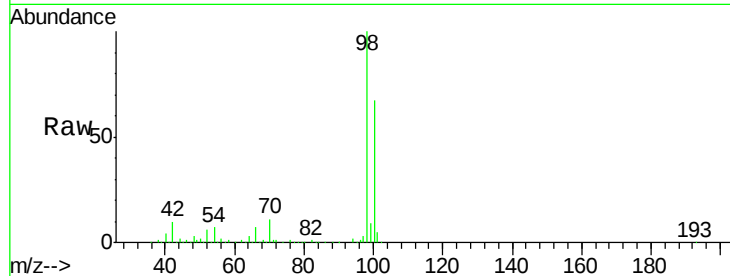
VY0913SBL03

Tot Ion: 98 Resp: 291869

Ion Ratio Lower Upper

98 100

100 67.4 54.0 81.0



#62

4-Bromofluorobenzene

Concen: 49.661 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000036.D

Acq: 13 Sep 2019 10:54

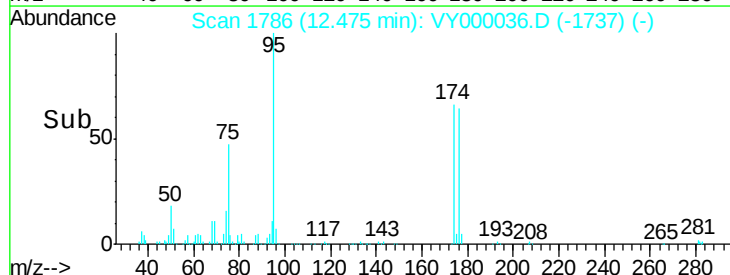
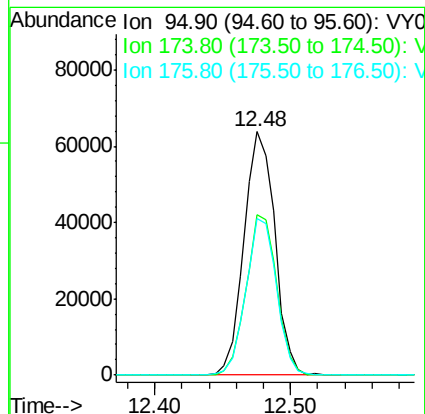
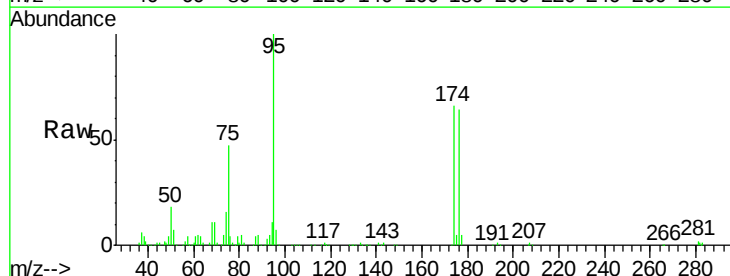
Tgt Ion: 95 Resp: 101399

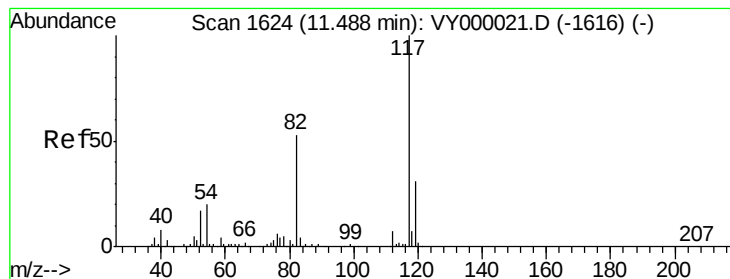
Ion Ratio Lower Upper

95 100

174 65.6 0.0 137.6

176 63.9 0.0 134.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000036.D

Acq: 13 Sep 2019 10:54

Instrument :

MSVOA\_Y

ClientSampleId :

VY0913SBL03

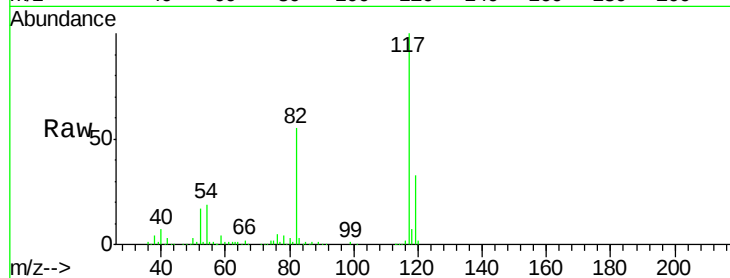
Tot Ion:117 Resp: 205864

Ion Ratio Lower Upper

117 100

82 54.9 42.5 63.7

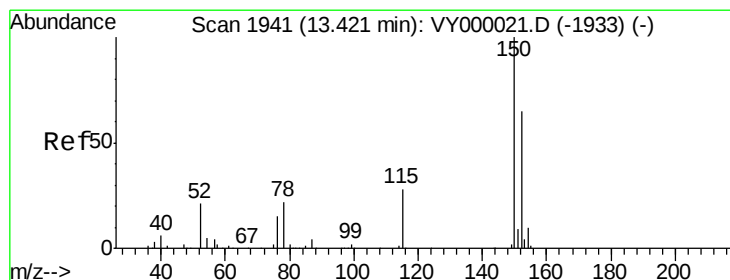
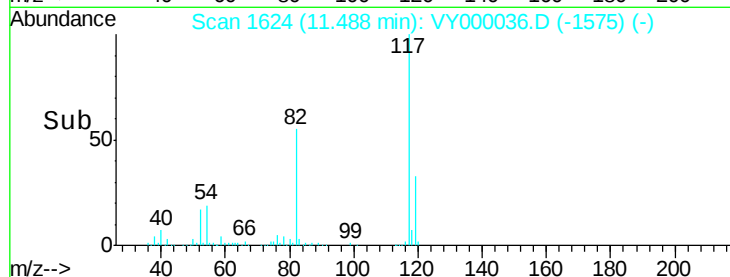
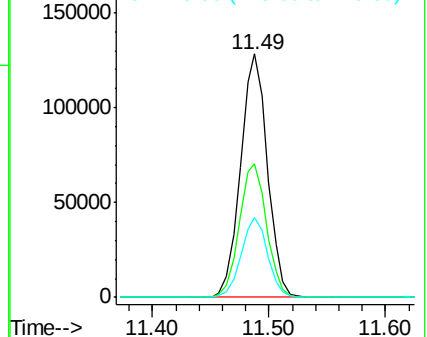
119 32.6 25.1 37.7



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: VY000036.D

Acq: 13 Sep 2019 10:54

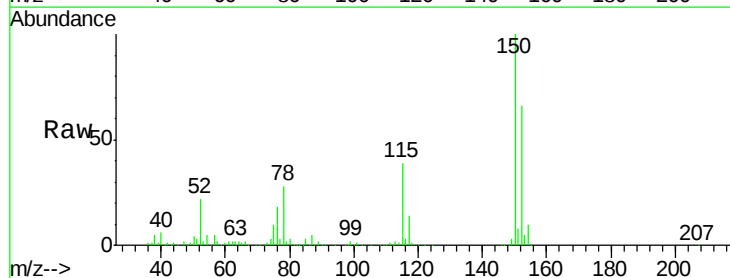
Tgt Ion:152 Resp: 87108

Ion Ratio Lower Upper

152 100

115 63.0 29.4 88.2

150 155.0 0.0 349.0



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

