

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\  
 Data File : VY002142.D  
 Acq On : 31 Mar 2020 18:36  
 Operator : SY/MD  
 Sample : L2051-02  
 Misc : 5.17G/5ML/MSVOA Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: Apr 01 06:26:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 120444   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 238534   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 216682   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 91746    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.17   | 65  | 76317    | 57.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.64% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 70178    | 52.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.02% |      |
| 50) Toluene-d8              | 10.19  | 98  | 291825   | 52.56 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.12% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 96326    | 49.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.22%  |      |

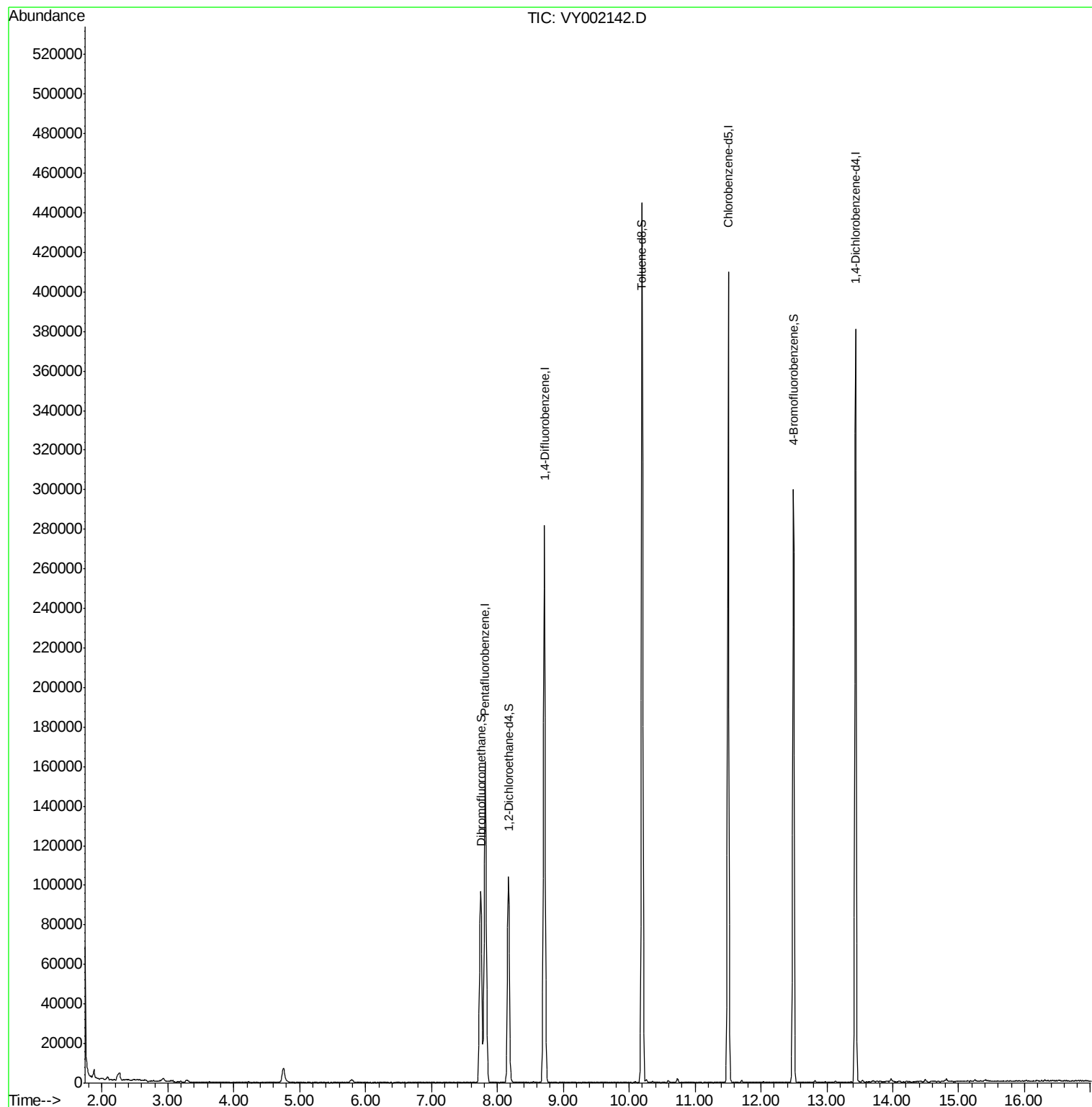
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

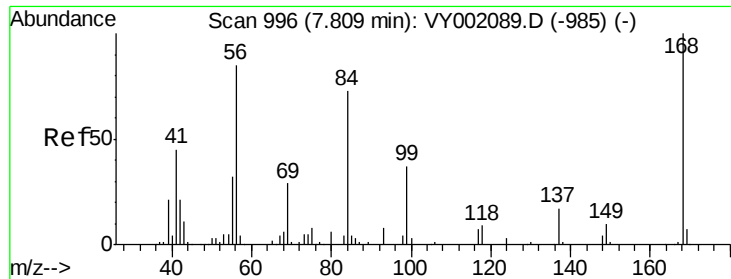
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\  
Data File : VY002142.D  
Acq On : 31 Mar 2020 18:36  
Operator : SY/MD  
Sample : L2051-02  
Misc : 5.17G/5ML/MSVOA Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

Quant Time: Apr 01 06:26:31 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA\_Y

ClientSampled :

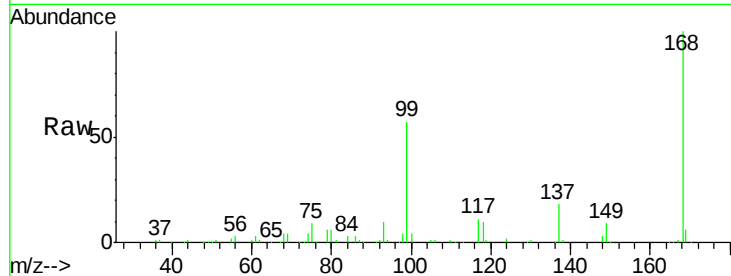
SB-2

Tot Ion:168 Resp: 120444

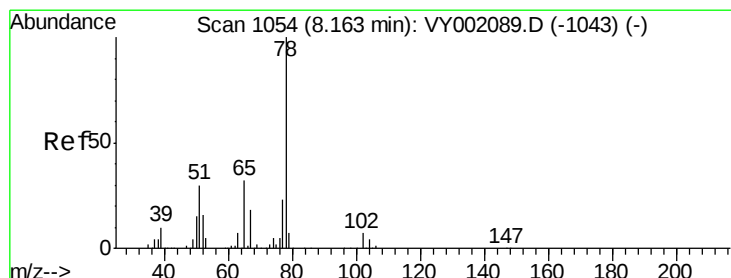
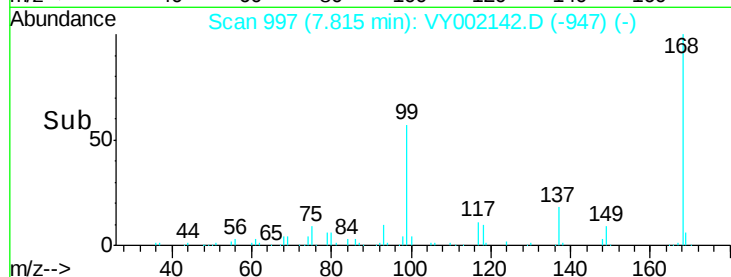
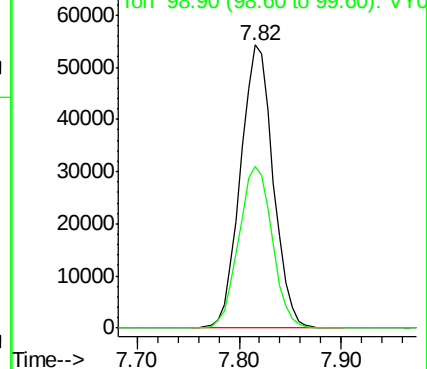
Ion Ratio Lower Upper

168 100

99 57.3 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002142.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.318 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002142.D

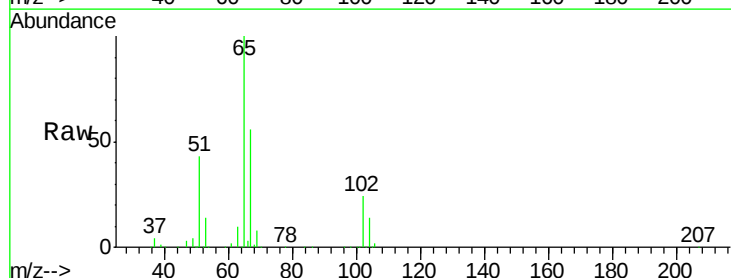
Acq: 31 Mar 2020 18:36

Tgt Ion: 65 Resp: 76317

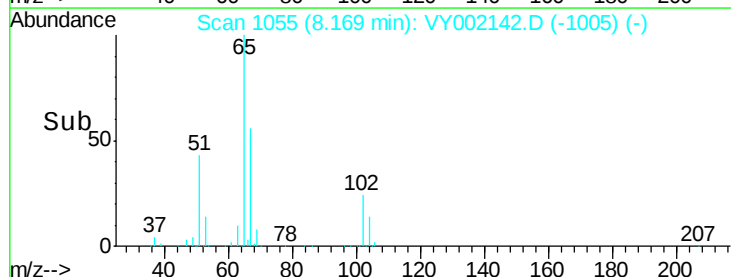
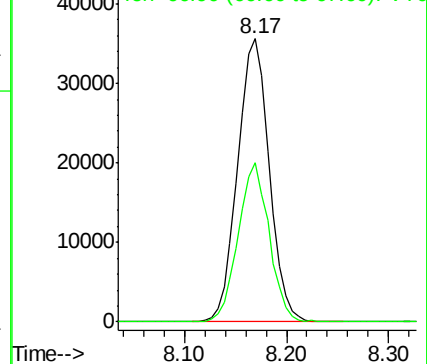
Ion Ratio Lower Upper

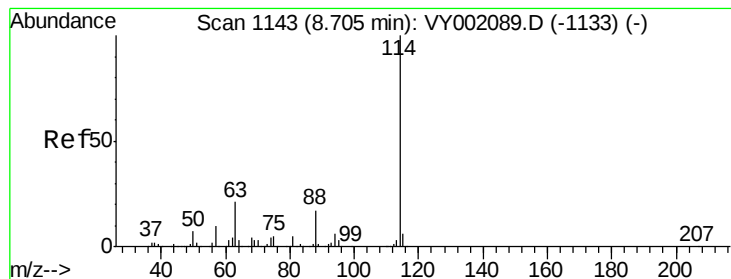
65 100

67 55.0 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002142.D (-1005) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

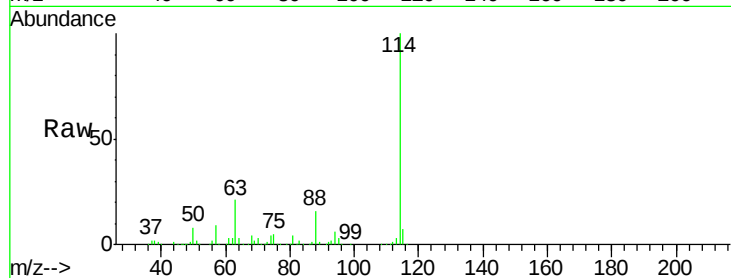
Tot Ion:114 Resp: 238534

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

88 15.6 0.0 33.0



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

150000

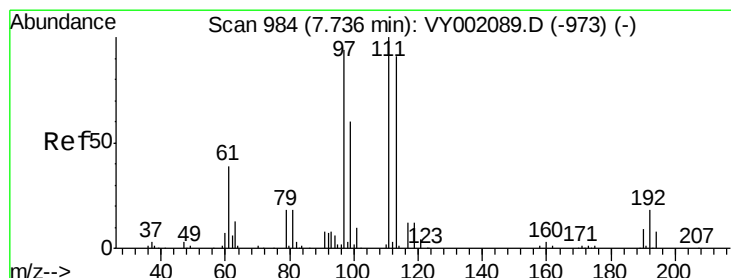
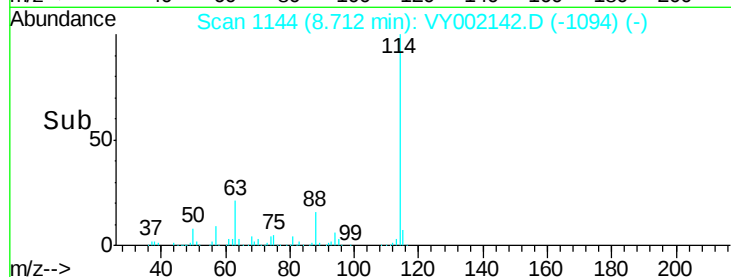
100000

50000

0

8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 52.507 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

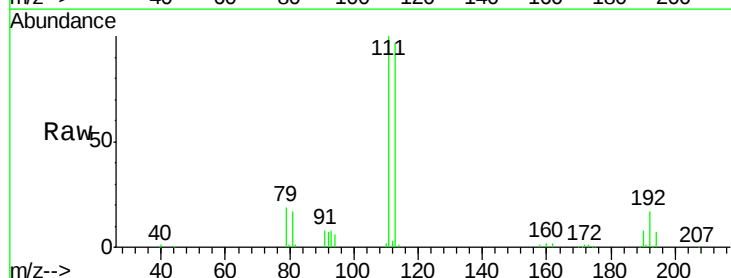
Tgt Ion:113 Resp: 70178

Ion Ratio Lower Upper

113 100

111 103.8 84.4 126.6

192 17.7 14.6 21.8



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

40000

30000

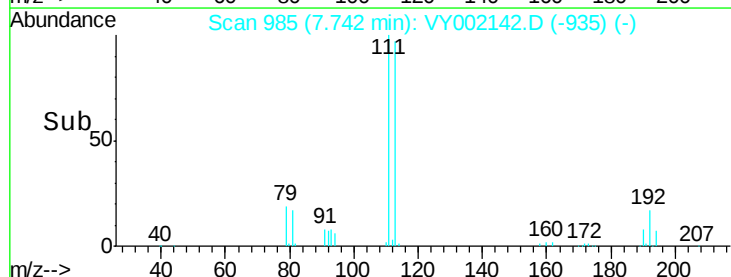
20000

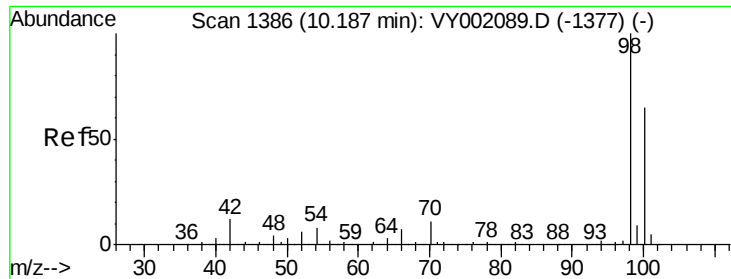
10000

0

7.65 7.70 7.75 7.80 7.85

Time-->





#50

Toluene-d8

Concen: 52.559 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA\_Y

ClientSampleId :

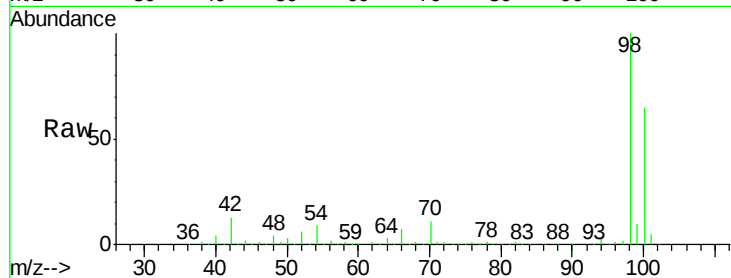
SB-2

Tot Ion: 98 Resp: 291825

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002089.D (-1377) (-)

10.19

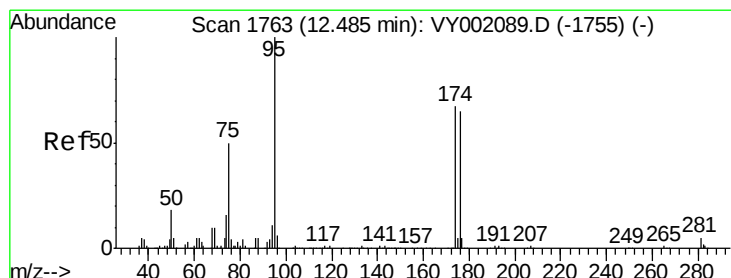
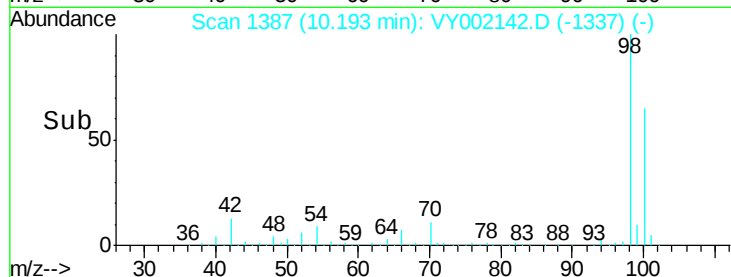
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 49.606 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

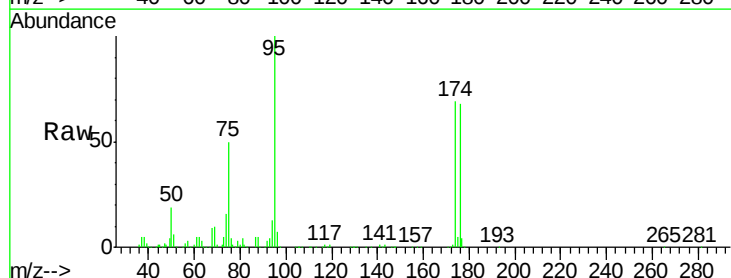
Tgt Ion: 95 Resp: 96326

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.4

176 69.9 0.0 137.0



Abundance Ion 94.90 (94.60 to 95.60): VY002089.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002089.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002089.D (-1755) (-)

12.49

80000

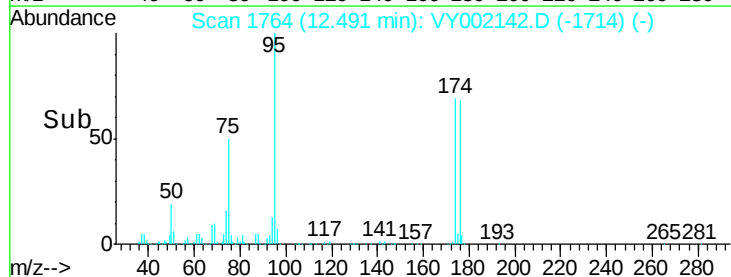
60000

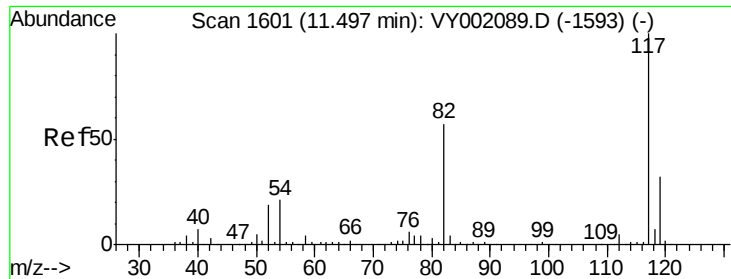
40000

20000

0

Time--> 12.40 12.45 12.50 12.55

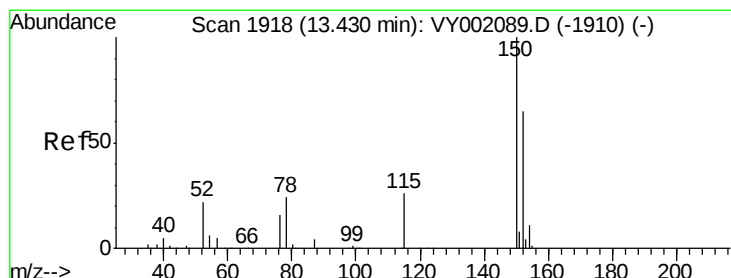
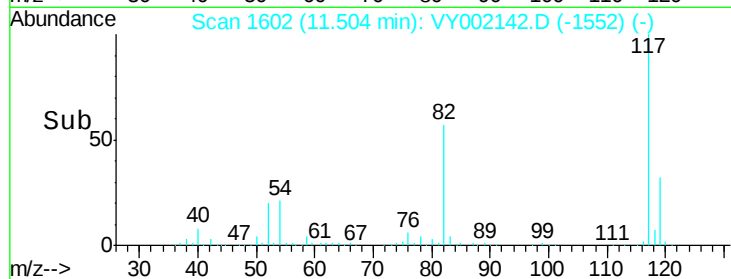
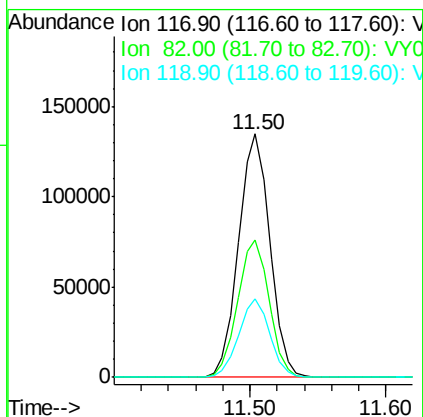
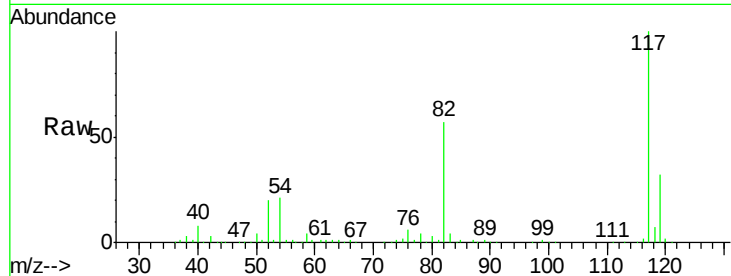




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002142.D  
Acq: 31 Mar 2020 18:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

Tot Ion:117 Resp: 216682  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.4 68.2  
119 32.3 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002142.D  
Acq: 31 Mar 2020 18:36

Tgt Ion:152 Resp: 91746  
Ion Ratio Lower Upper  
152 100  
115 60.1 31.2 93.6  
150 157.5 0.0 354.8

