

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\  
 Data File : VY001377.D  
 Acq On : 24 Jan 2020 13:22  
 Operator : SY/MD  
 Sample : L1246-06  
 Misc : 7.89G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-3

Quant Time: Jan 25 04:18:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 162841   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 295266   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 263441   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 123586   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 87982    | 49.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.30%  |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 84907    | 49.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.00%  |      |
| 50) Toluene-d8              | 10.19  | 98  | 347451   | 51.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.22% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 124245   | 46.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.68%  |      |

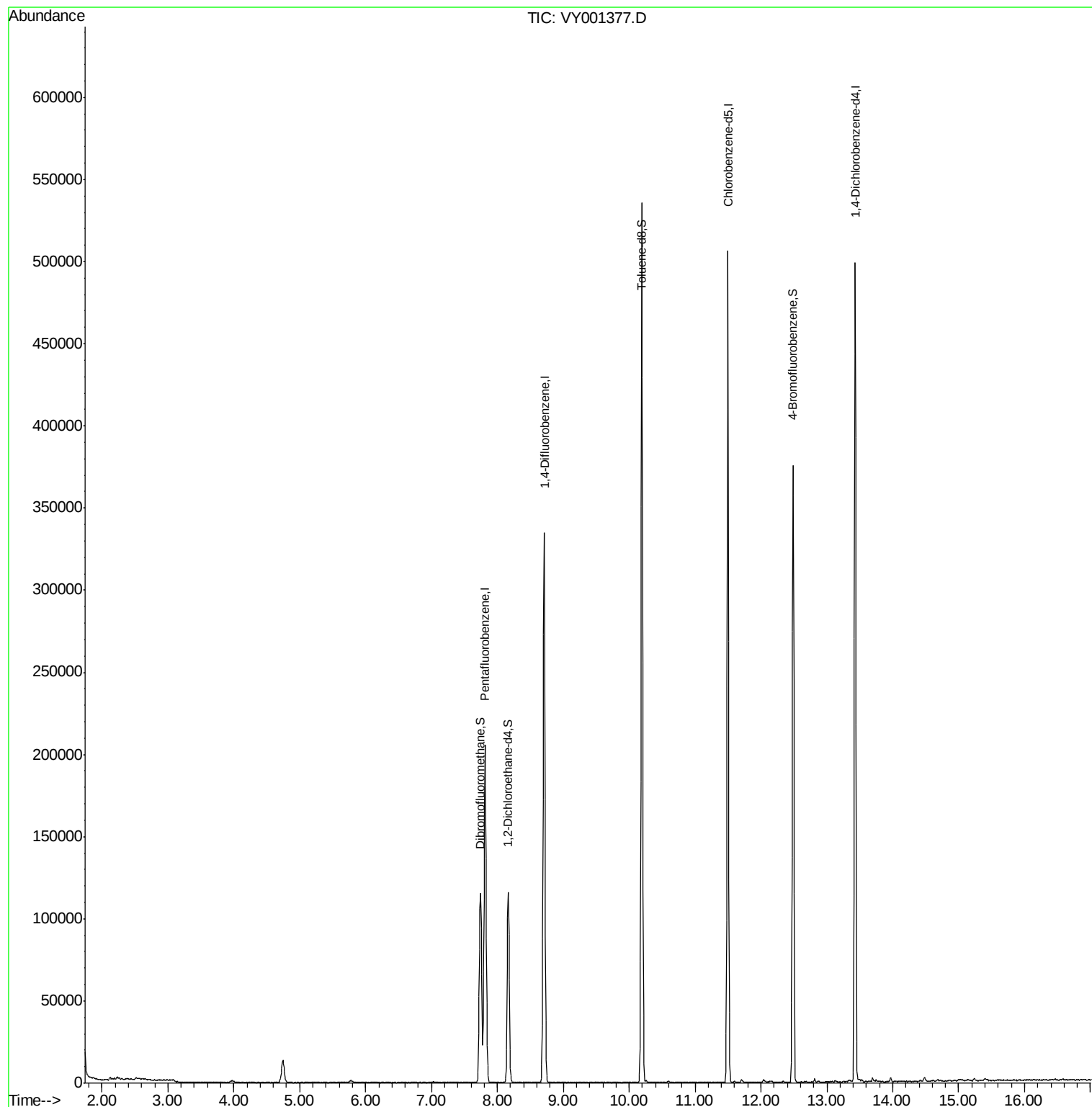
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

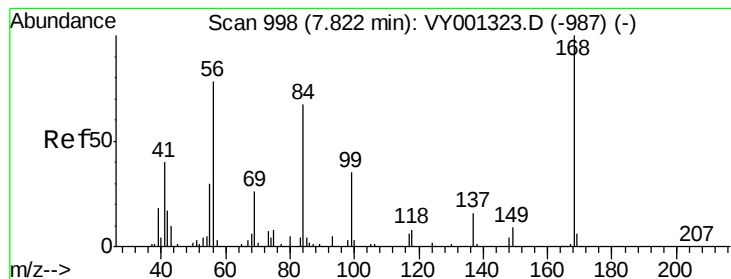
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012420\  
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SP-3

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 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: VY001377.D

Acq: 24 Jan 2020 13:22

Instrument :

MSVOA\_Y

ClientSampled :

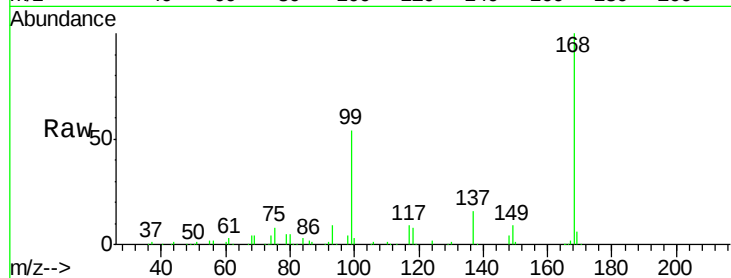
SP-3

Tot Ion:168 Resp: 162841

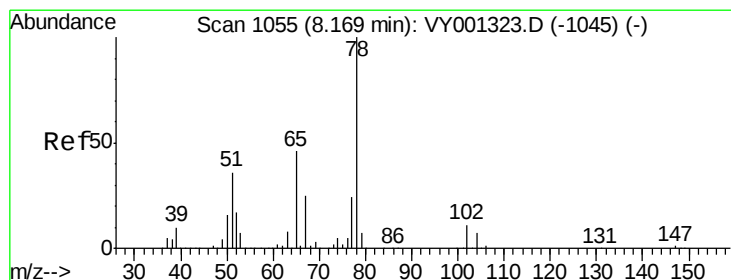
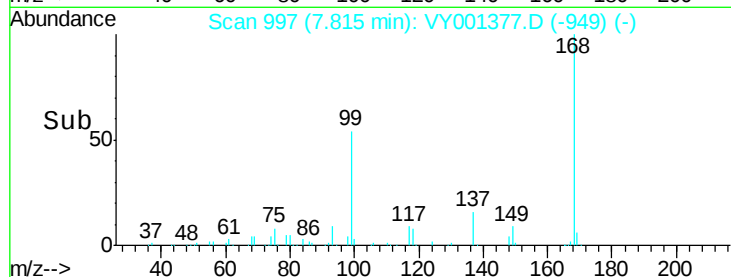
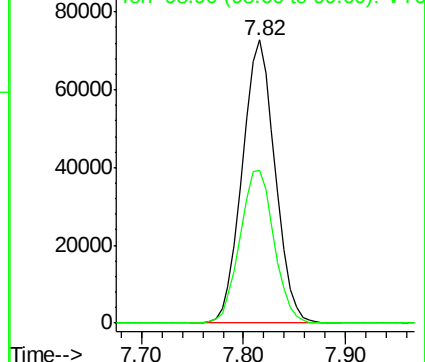
Ion Ratio Lower Upper

168 100

99 54.2 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.653 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001377.D

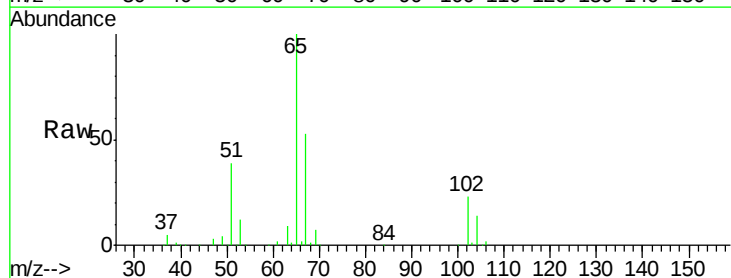
Acq: 24 Jan 2020 13:22

Tgt Ion: 65 Resp: 87982

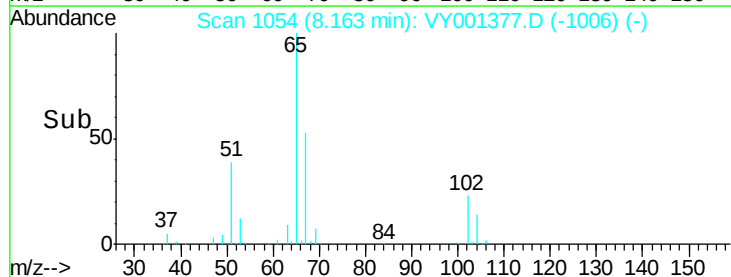
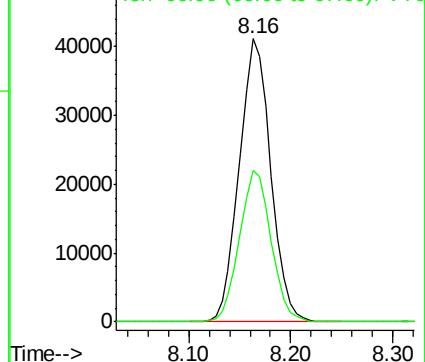
Ion Ratio Lower Upper

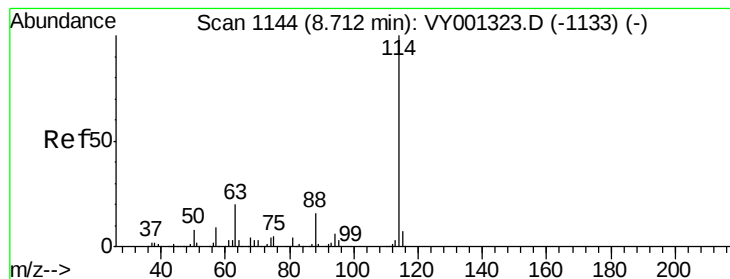
65 100

67 53.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001323.D (-1045) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001377.D

Acq: 24 Jan 2020 13:22

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3

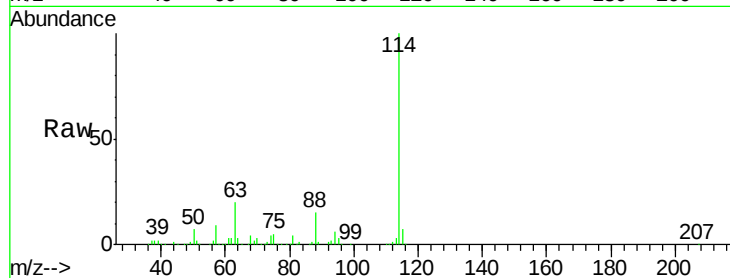
Tot Ion:114 Resp: 295266

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.2 0.0 31.0



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

200000

150000

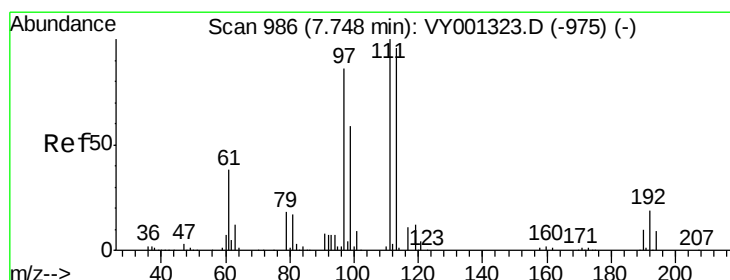
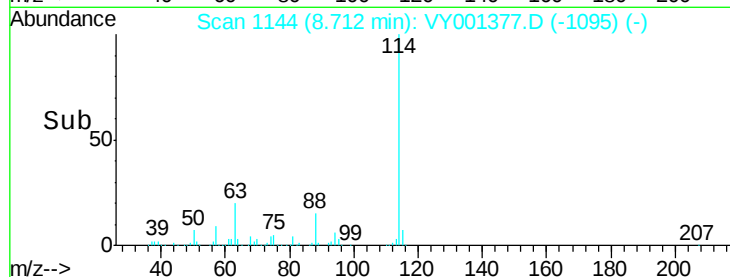
100000

50000

0

8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001377.D

Acq: 24 Jan 2020 13:22

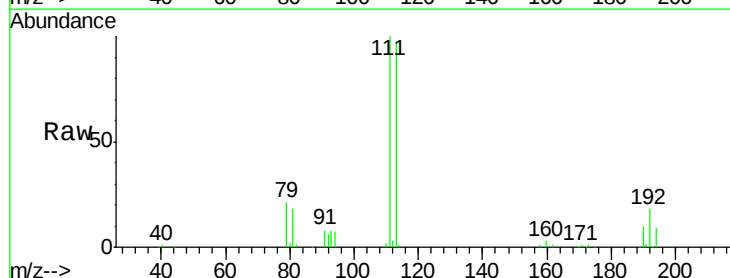
Tgt Ion:113 Resp: 84907

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.4 15.5 23.3



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

50000

40000

30000

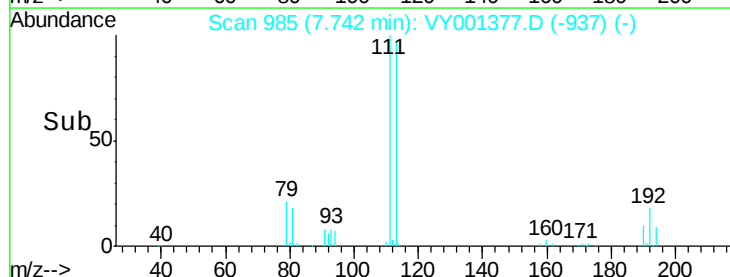
20000

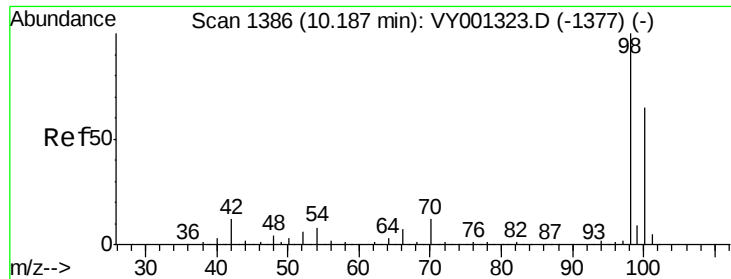
10000

0

7.60 7.70 7.80 7.90

Time-->





#50

Toluene-d8

Concen: 51.605 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001377.D

Acq: 24 Jan 2020 13:22

Instrument :

MSVOA\_Y

ClientSampleId :

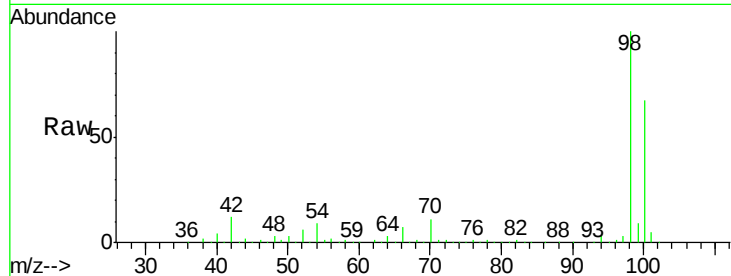
SP-3

Tot Ion: 98 Resp: 347451

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

200000

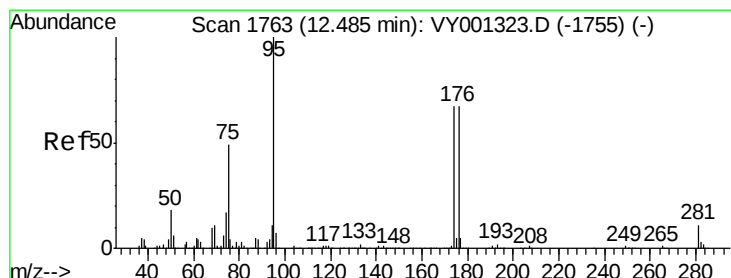
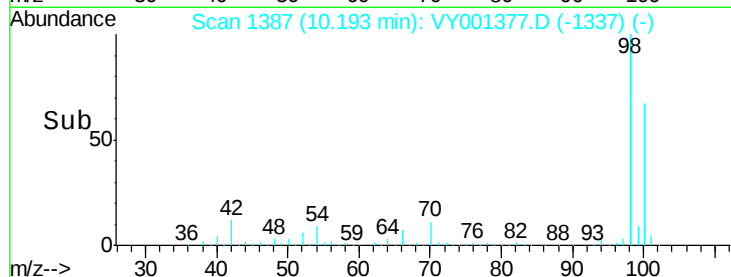
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.338 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001377.D

Acq: 24 Jan 2020 13:22

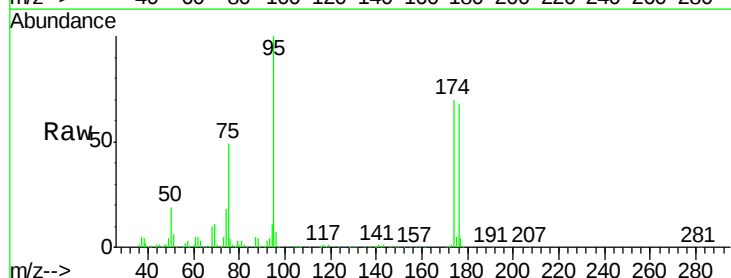
Tgt Ion: 95 Resp: 124245

Ion Ratio Lower Upper

95 100

174 75.3 0.0 142.0

176 72.8 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

12.49

100000

80000

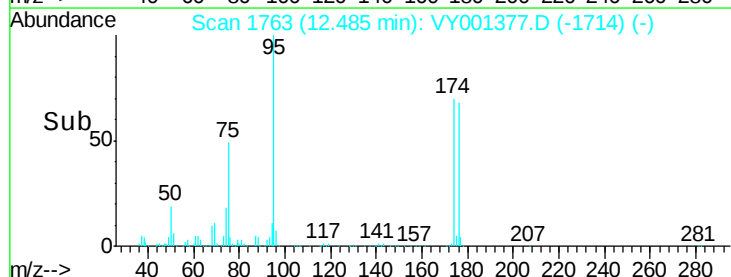
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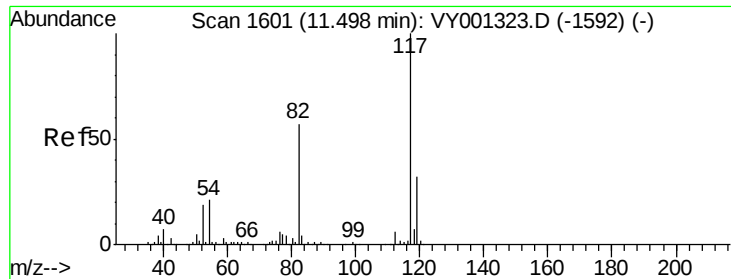
40000

20000

0

Time-->

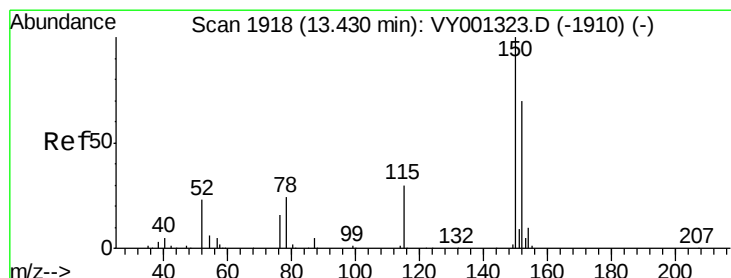
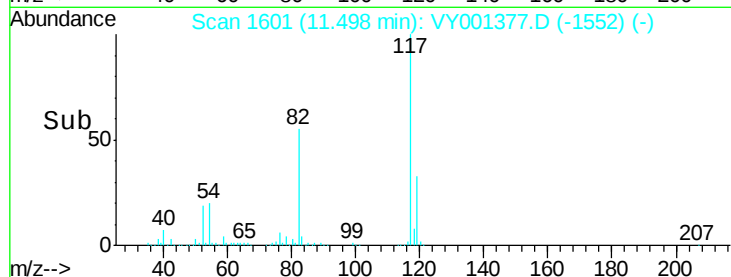
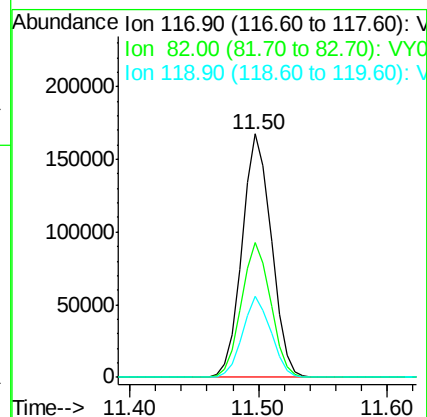
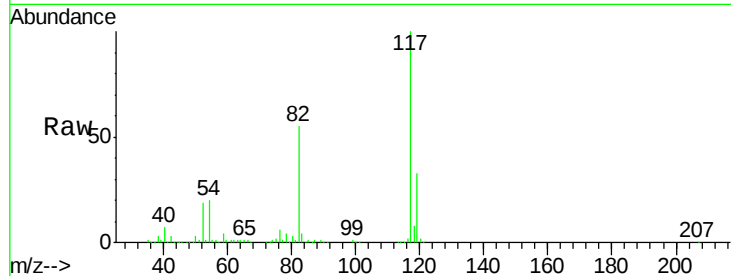




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VY001377.D  
Acq: 24 Jan 2020 13:22

Instrument :  
MSVOA\_Y  
ClientSampled :  
SP-3

Tot Ion:117 Resp: 263441  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.5 68.3  
119 33.0 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY001377.D  
Acq: 24 Jan 2020 13:22

Tgt Ion:152 Resp: 123586  
Ion Ratio Lower Upper  
152 100  
115 58.8 30.9 92.8  
150 154.5 0.0 349.2

