

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
 Data File : VY002153.D  
 Acq On : 01 Apr 2020 11:24  
 Operator : SY/MD  
 Sample : VY0401SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0401SBL01

Quant Time: Apr 02 06:37:13 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  | 126047   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 249246   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 232295   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 100418   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.17   | 65  | 80050    | 57.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.90% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 74219    | 53.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.28% |      |
| 50) Toluene-d8              | 10.19  | 98  | 303487   | 52.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.62% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 103072   | 50.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.60% |      |

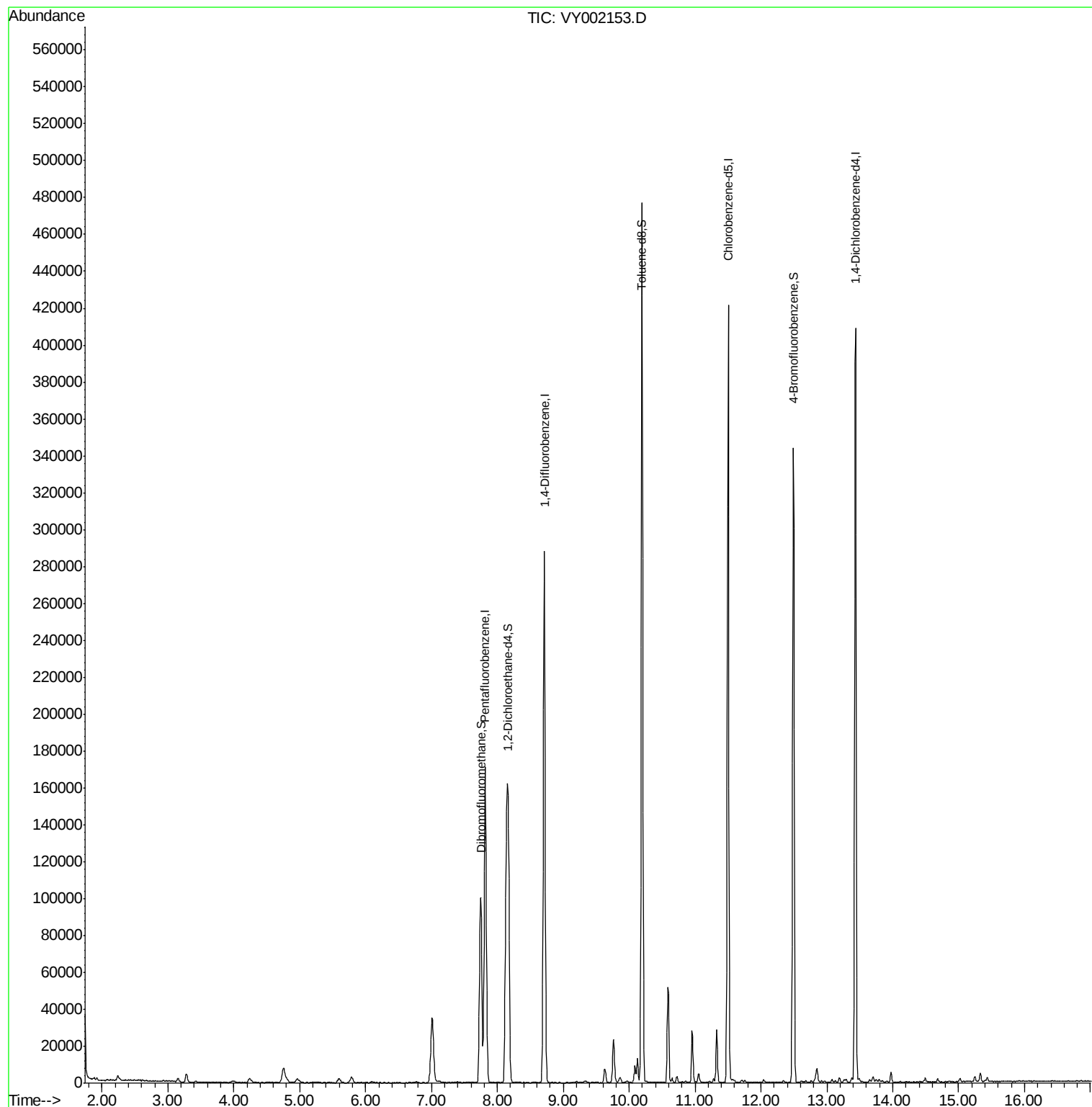
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

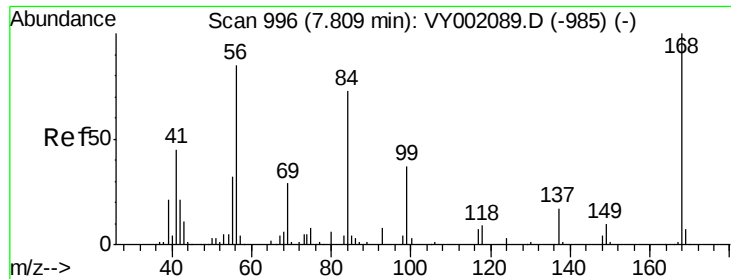
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
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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: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

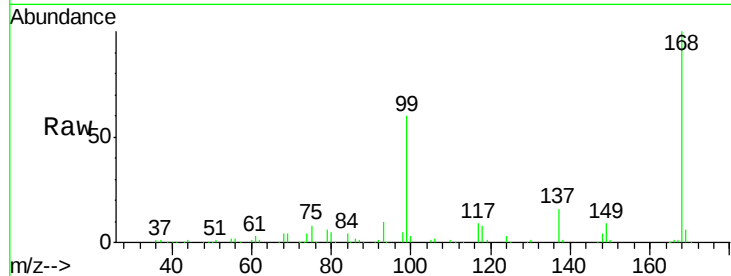
VY0401SBL01

Tot Ion:168 Resp: 126047

Ion Ratio Lower Upper

168 100

99 59.6 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002153.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002153.D (-947) (-)

7.82

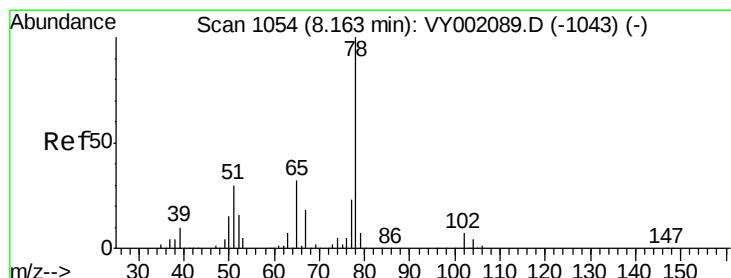
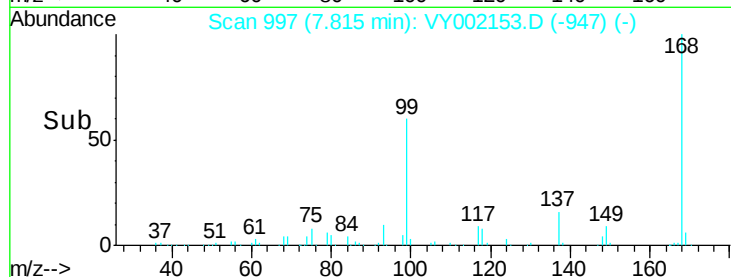
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 57.449 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002153.D

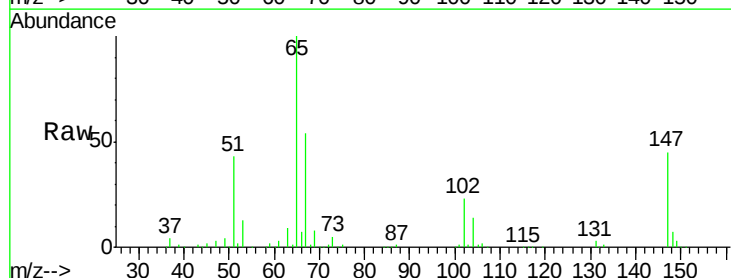
Acq: 01 Apr 2020 11:24

Tgt Ion: 65 Resp: 80050

Ion Ratio Lower Upper

65 100

67 57.1 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002153.D (-1005) (-)

Ion 66.90 (66.60 to 67.60): VY002153.D (-1005) (-)

8.17

40000

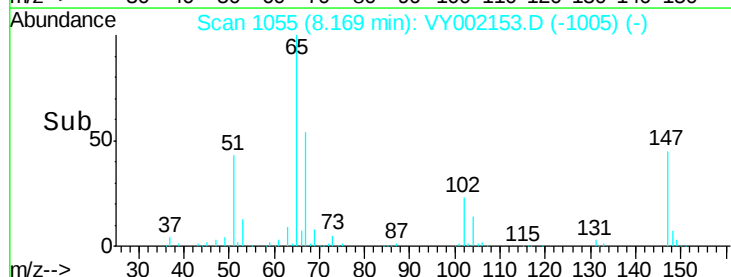
30000

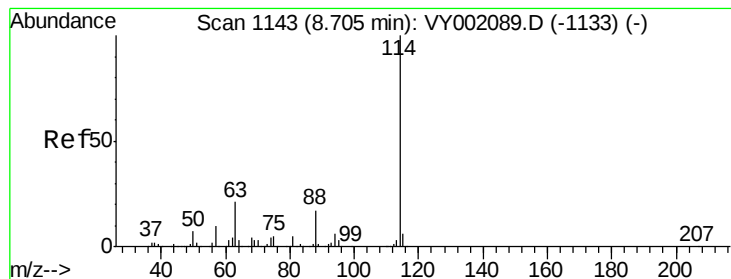
20000

10000

0

Time--> 8.05 8.10 8.15 8.20 8.25





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

VY0401SBL01

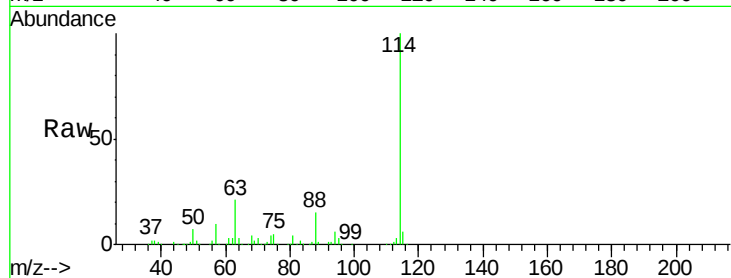
Tot Ion:114 Resp: 249246

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

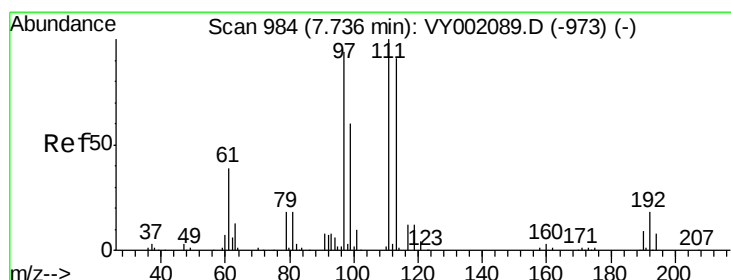
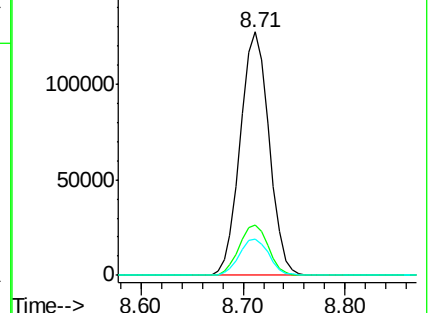
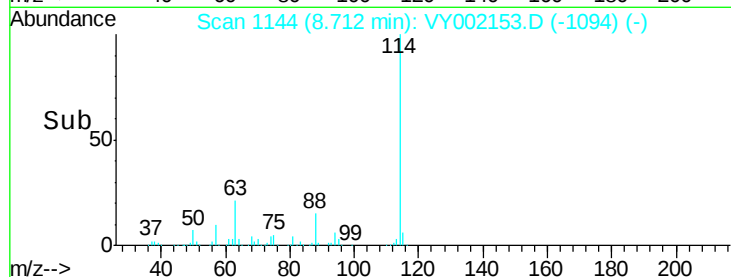
88 15.0 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 53.144 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

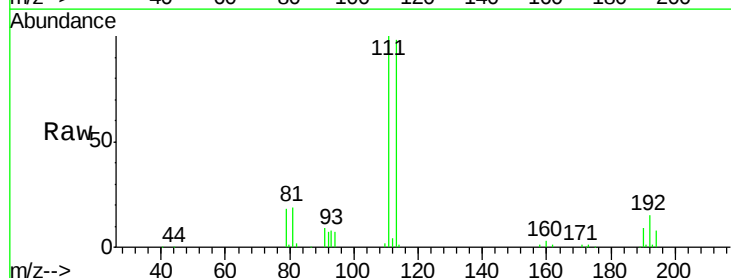
Tgt Ion:113 Resp: 74219

Ion Ratio Lower Upper

113 100

111 102.6 84.4 126.6

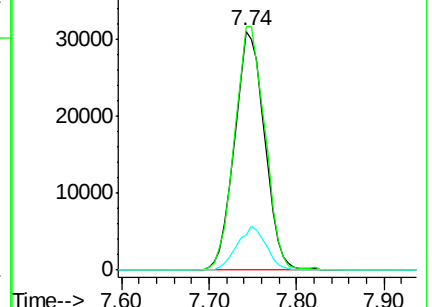
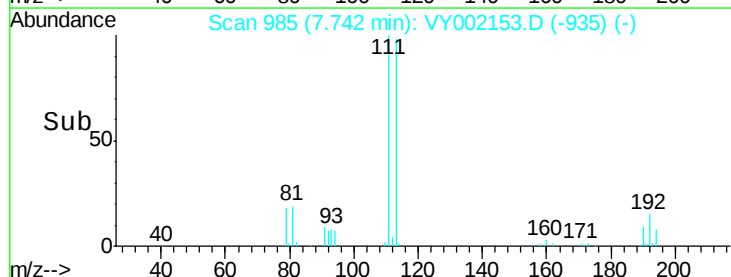
192 17.9 14.6 21.8

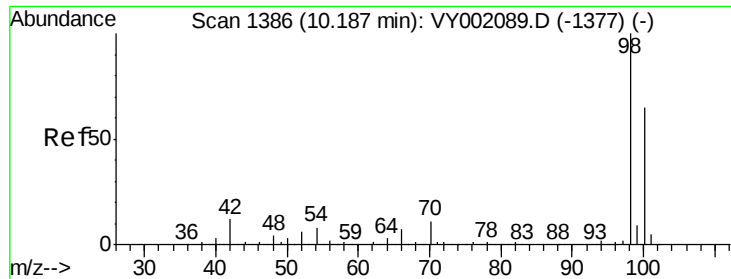


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.310 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

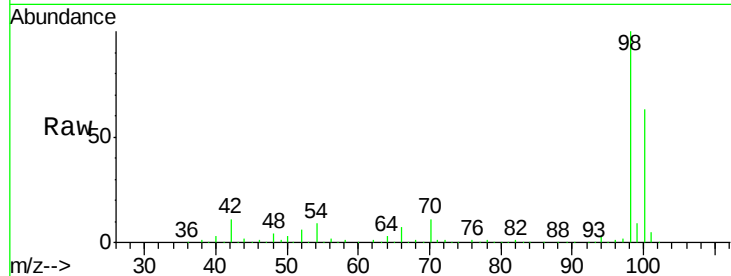
VY0401SBL01

Tot Ion: 98 Resp: 303487

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

200000

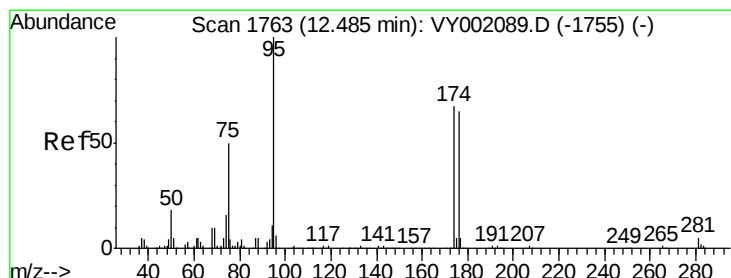
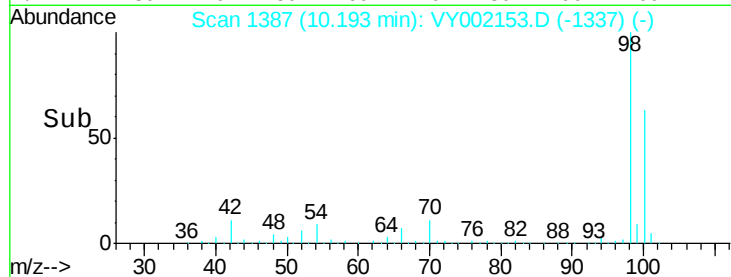
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.799 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002153.D

Acq: 01 Apr 2020 11:24

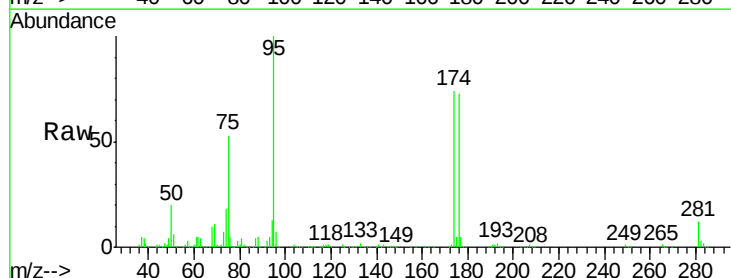
Tgt Ion: 95 Resp: 103072

Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.4

176 70.8 0.0 137.0



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

80000

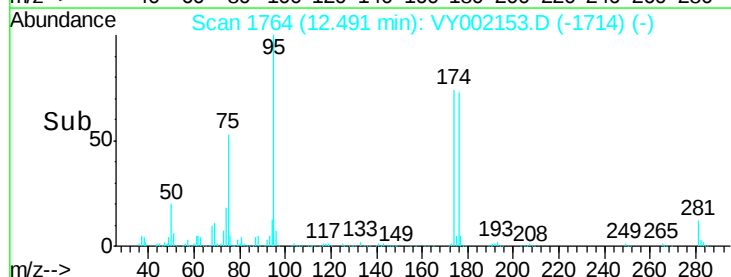
60000

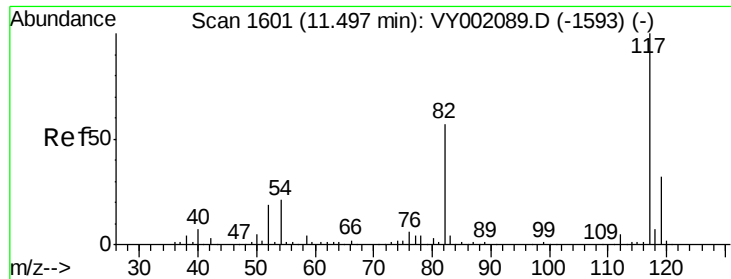
40000

20000

0

Time-->

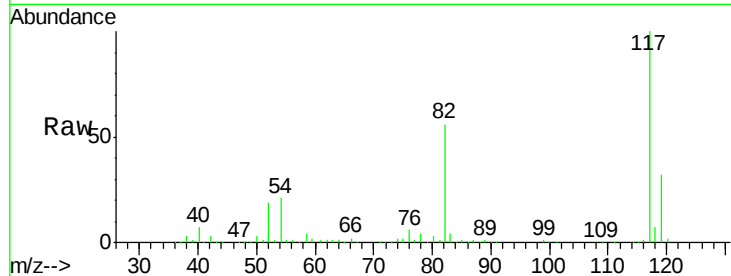




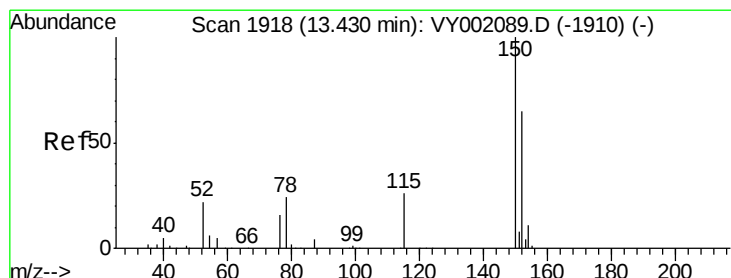
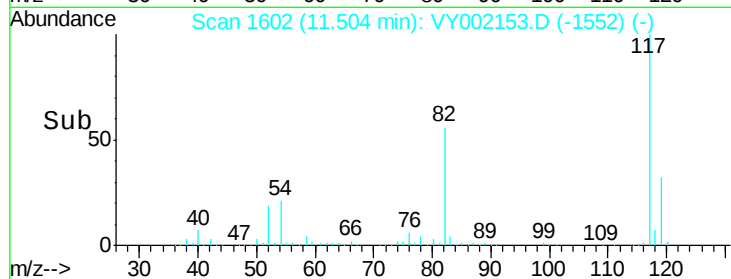
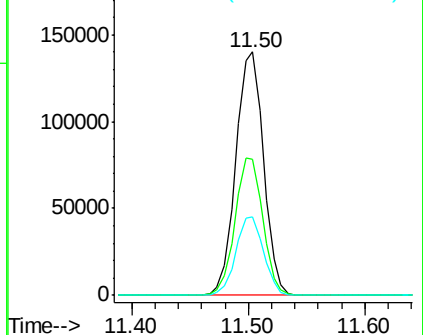
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002153.D  
Acq: 01 Apr 2020 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0401SBL01

Tot Ion:117 Resp: 232295  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.4 68.2  
119 32.0 25.3 37.9

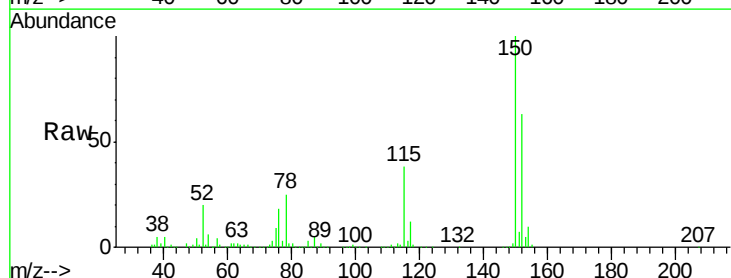


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002153.D  
Acq: 01 Apr 2020 11:24

Tgt Ion:152 Resp: 100418  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.2 93.6  
150 158.0 0.0 354.8



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

