

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\  
 Data File : VY001754.D  
 Acq On : 21 Feb 2020 19:31  
 Operator : SY/MD  
 Sample : L1650-04  
 Misc : 6.79G/5ML/MSVOA Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-4

Quant Time: Feb 22 05:32:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

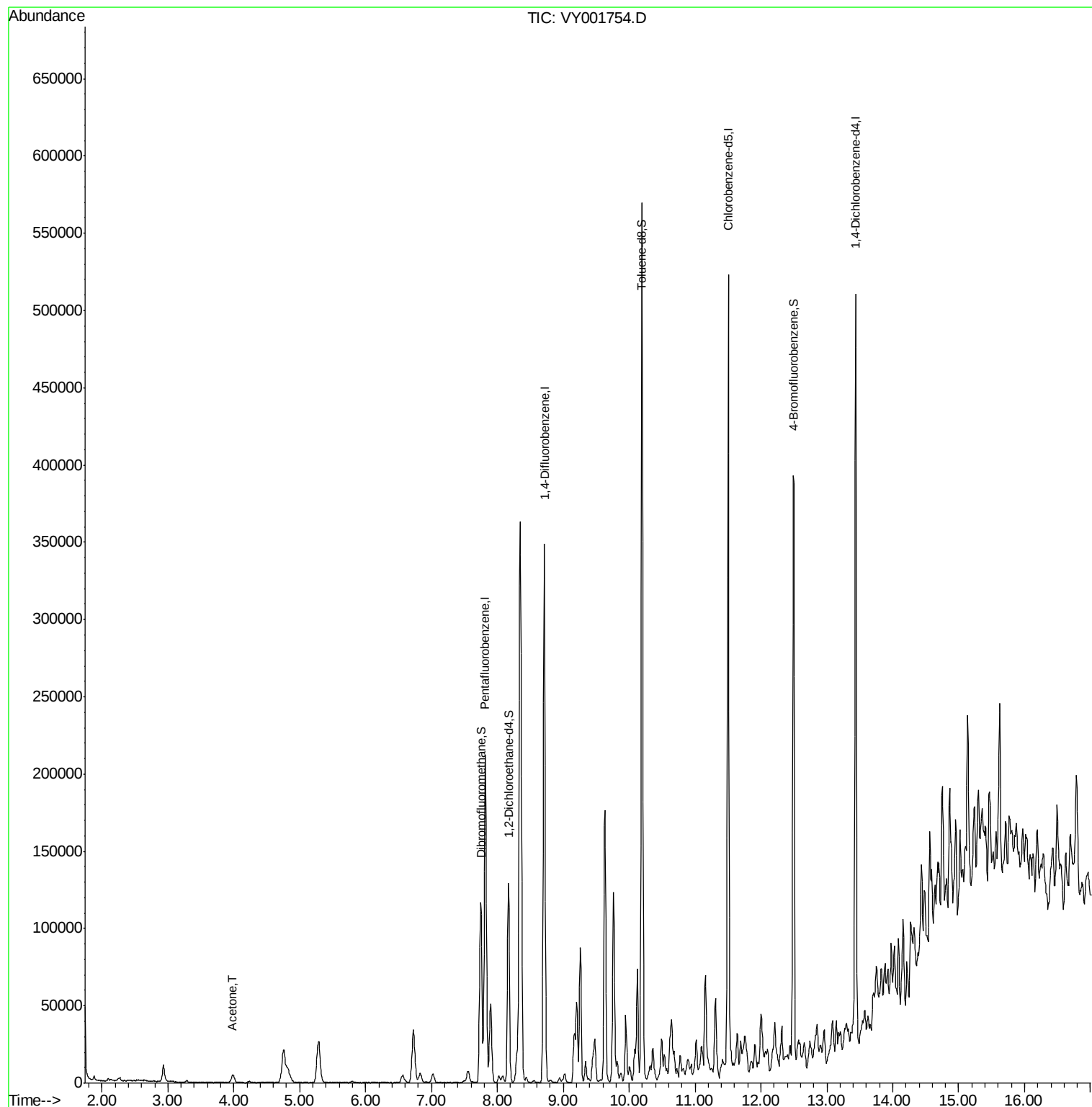
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 157815   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 295267   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 268415   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 116892   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 94283    | 55.54  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.08% |           |
| 35) Dibromofluoromethane    | 7.75  | 113  | 84483    | 49.96  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |           |
| 50) Toluene-d8              | 10.19 | 98   | 360925   | 54.48  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.96% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 123506   | 47.98  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.96%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.98  | 43   | 6342     | 10.797 | ug/l    | Qvalue 94 |

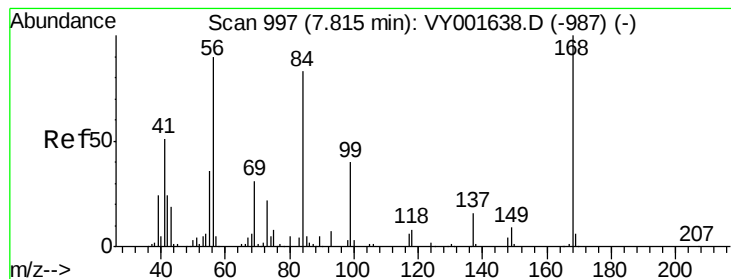
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY02120\  
Data File : VY001754.D  
Acq On : 21 Feb 2020 19:31  
Operator : SY/MD  
Sample : L1650-04  
Misc : 6.79G/5ML/MSVOA Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
EP-4

Quant Time: Feb 22 05:32:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 17 12:19:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001754.D

Acq: 21 Feb 2020 19:31

Instrument :

MSVOA\_Y

ClientSampleId :

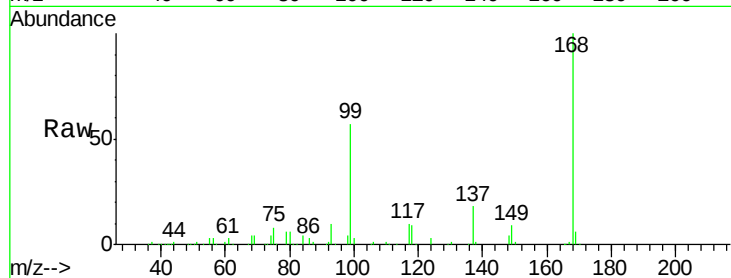
EP-4

Tot Ion:168 Resp: 157815

Ion Ratio Lower Upper

168 100

99 57.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

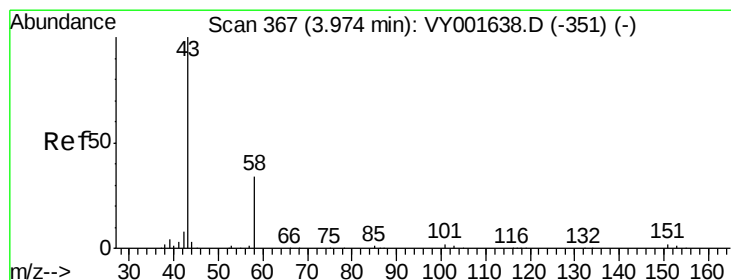
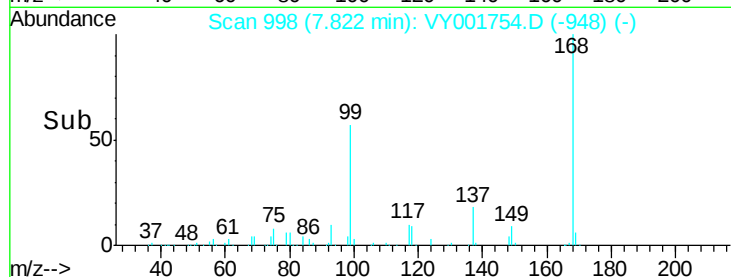
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 10.797 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001754.D

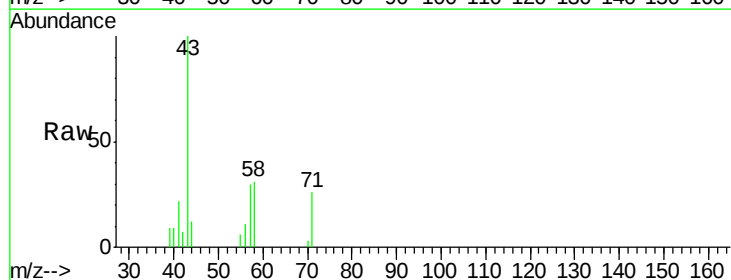
Acq: 21 Feb 2020 19:31

Tgt Ion: 43 Resp: 6342

Ion Ratio Lower Upper

43 100

58 30.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.98

2000

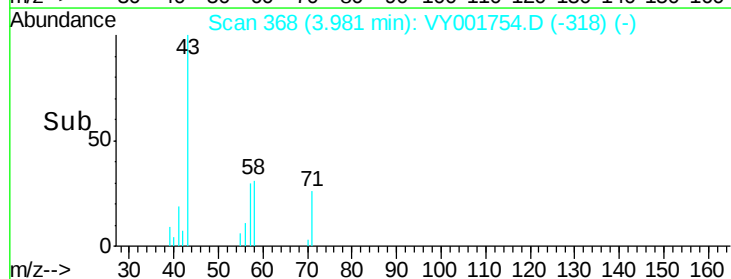
1500

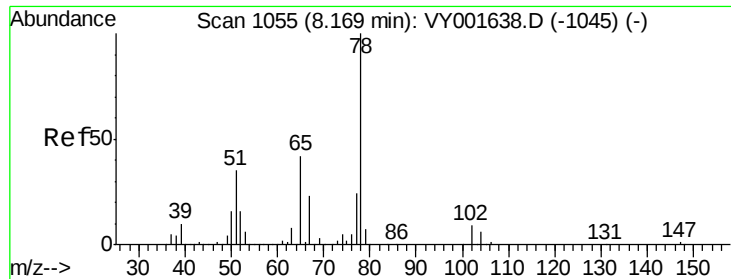
1000

500

0

Time-->

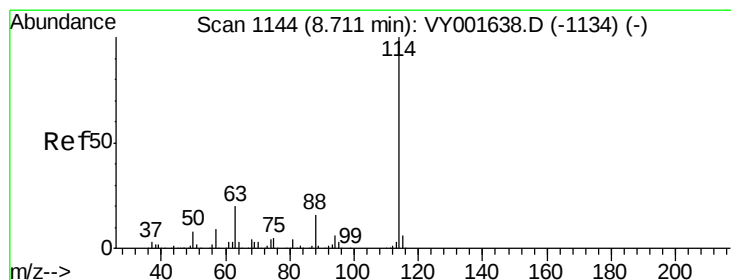
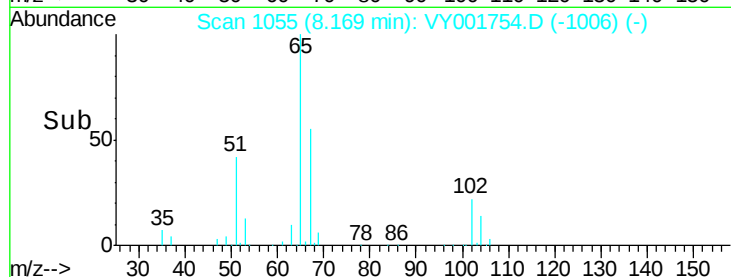
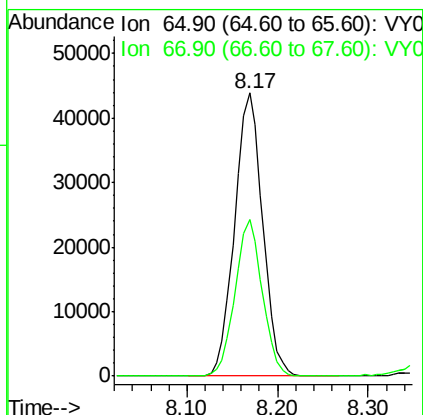
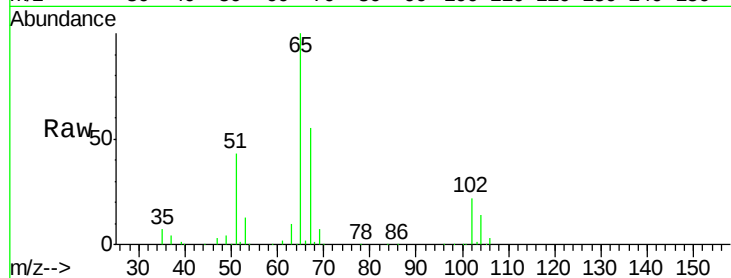




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.541 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.00 min  
 Lab File: VY001754.D  
 Acq: 21 Feb 2020 19:31

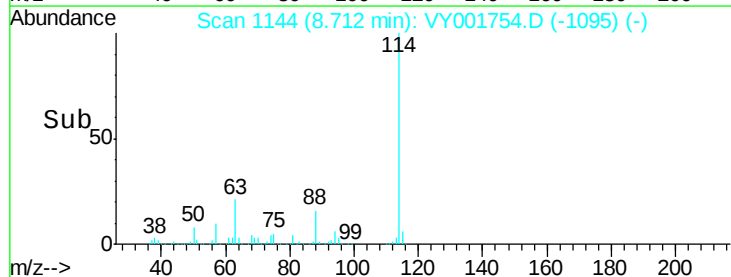
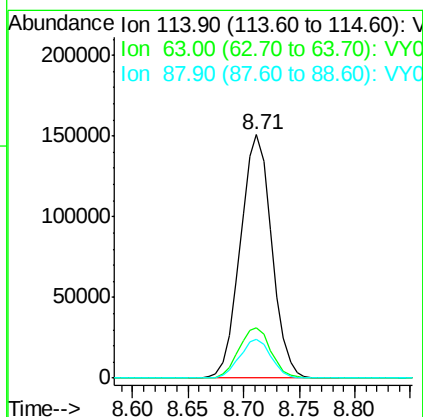
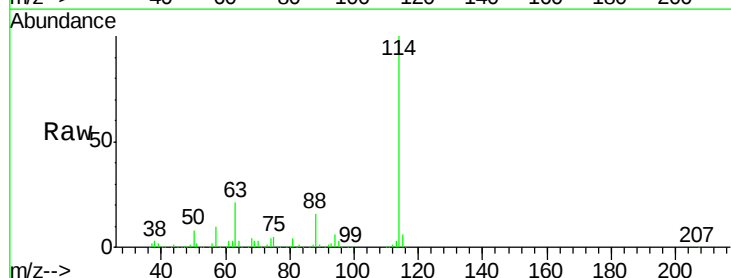
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 EP-4

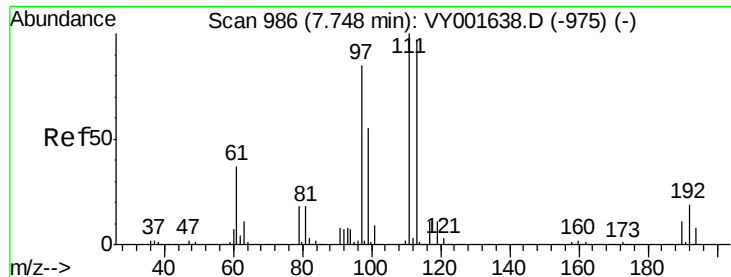
Tot Ion: 65 Resp: 94283  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY001754.D  
 Acq: 21 Feb 2020 19:31

Tgt Ion: 114 Resp: 295267  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 41.4  
 88 16.1 0.0 32.8

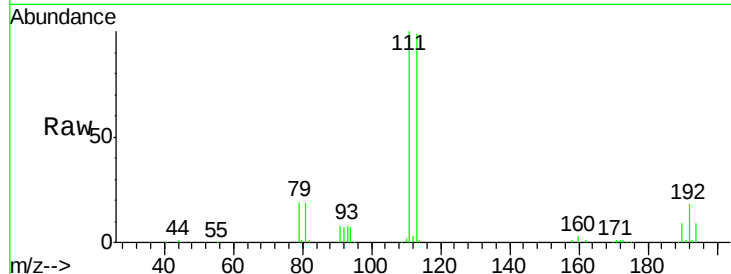




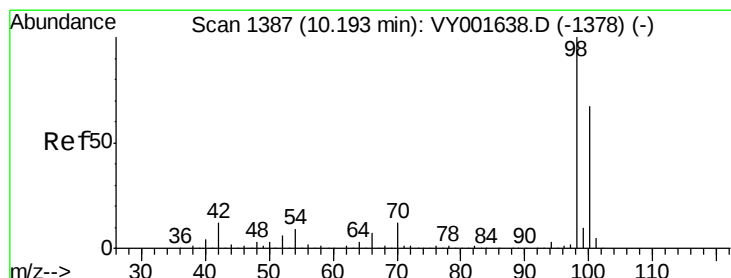
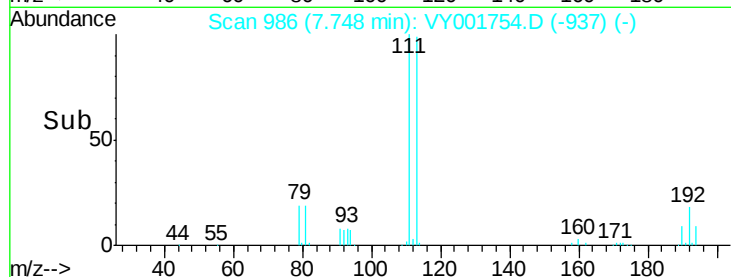
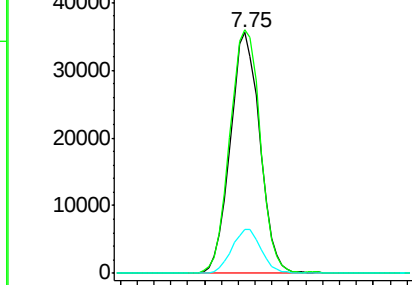
#35  
 Dibromofluoromethane  
 Concen: 49.956 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: VY001754.D  
 Acq: 21 Feb 2020 19:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-4

Tot Ion:113 Resp: 84483  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 81.9 122.9  
 192 18.2 14.3 21.5

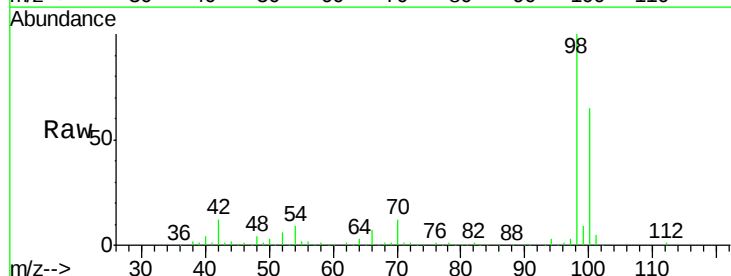


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

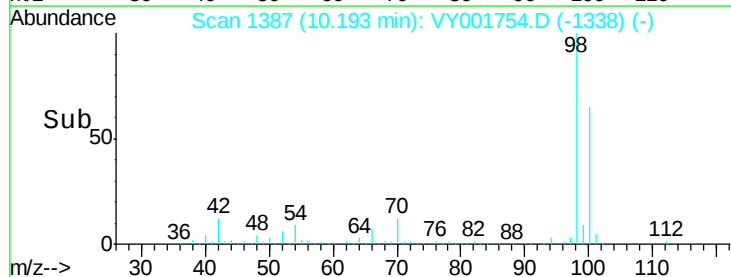
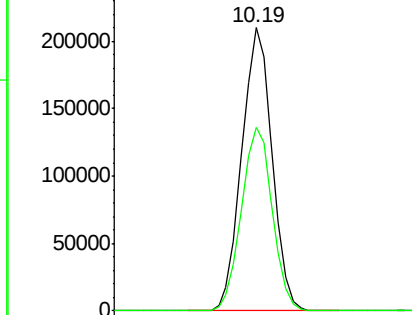


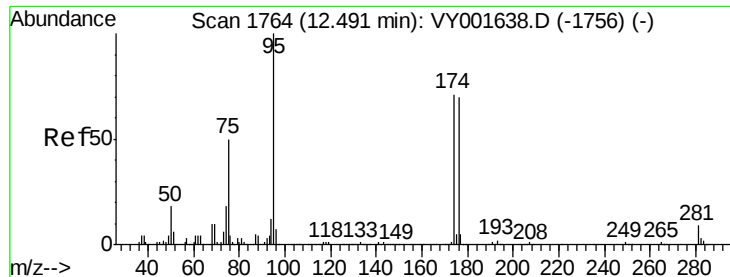
#50  
 Toluene-d8  
 Concen: 54.476 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: VY001754.D  
 Acq: 21 Feb 2020 19:31

Tgt Ion: 98 Resp: 360925  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 47.983 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001754.D

Acq: 21 Feb 2020 19:31

Instrument :

MSVOA\_Y

ClientSampleId :

EP-4

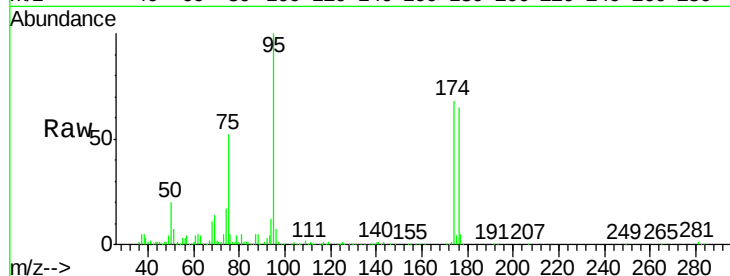
Tot Ion: 95 Resp: 123506

Ion Ratio Lower Upper

95 100

174 71.1 0.0 138.4

176 68.7 0.0 131.8

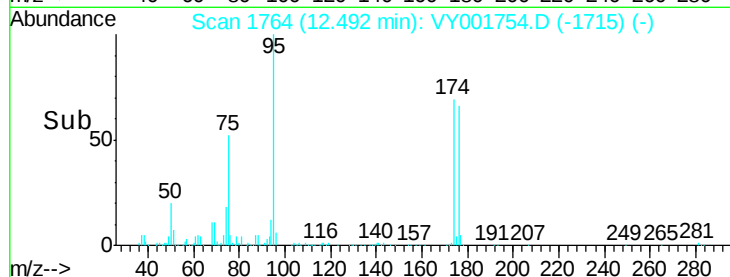


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

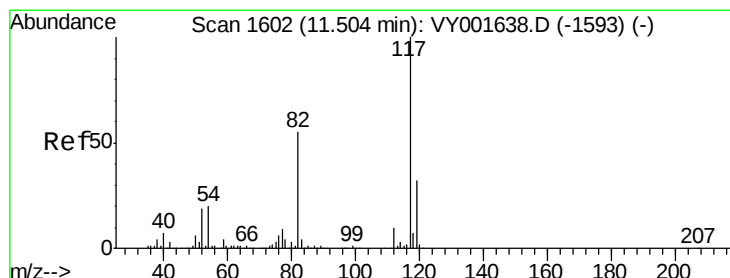
Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001754.D

Acq: 21 Feb 2020 19:31

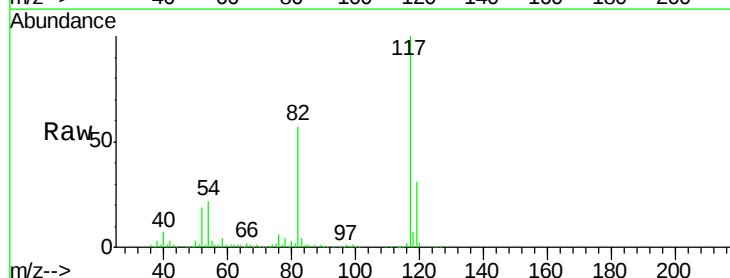
Tgt Ion: 117 Resp: 268415

Ion Ratio Lower Upper

117 100

82 56.2 45.5 68.3

119 31.4 25.8 38.6

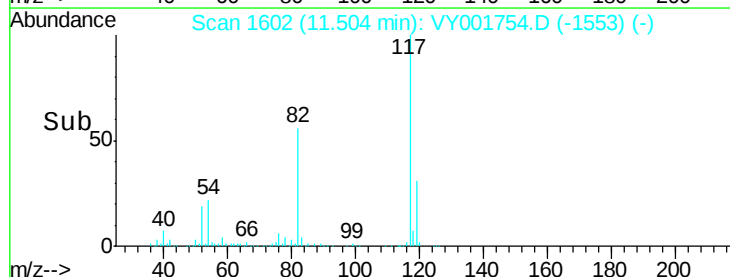


Abundance Ion 116.90 (116.60 to 117.60): VY001638.D (-1593) (-)

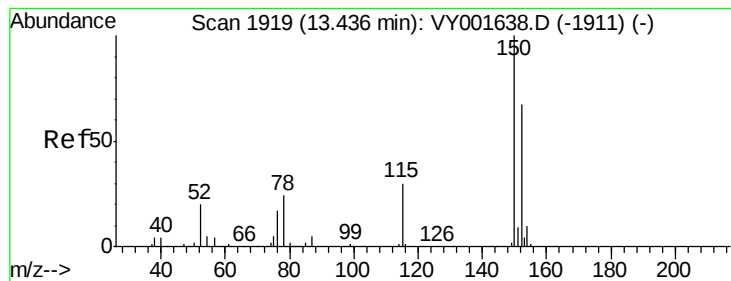
Ion 82.00 (81.70 to 82.70): VY001638.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001638.D (-1593) (-)

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001754.D

Acq: 21 Feb 2020 19:31

Instrument :

MSVOA\_Y

ClientSampleId :

EP-4

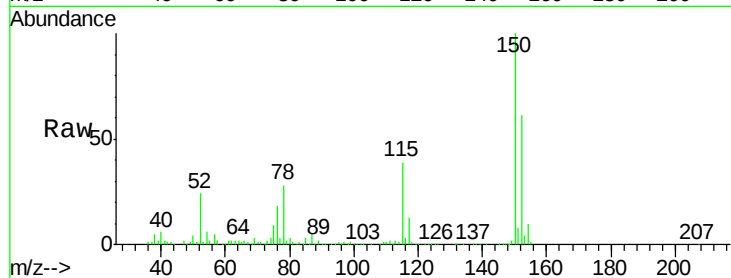
Tot Ion:152 Resp: 116892

Ion Ratio Lower Upper

152 100

115 61.5 31.4 94.2

150 159.5 0.0 407.2



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

