

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
 Data File : VY002162.D  
 Acq On : 01 Apr 2020 14:57  
 Operator : SY/MD  
 Sample : L2100-02  
 Misc : 7.87G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 239-SB-03-10-11

Quant Time: Apr 02 07:31:50 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  | 117663   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 231511   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 220387   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 99436    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 76675    | 58.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.90% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 68731    | 52.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.96% |          |
| 50) Toluene-d8              | 10.19 | 98   | 285685   | 53.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.02% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 99133    | 52.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.20% |          |

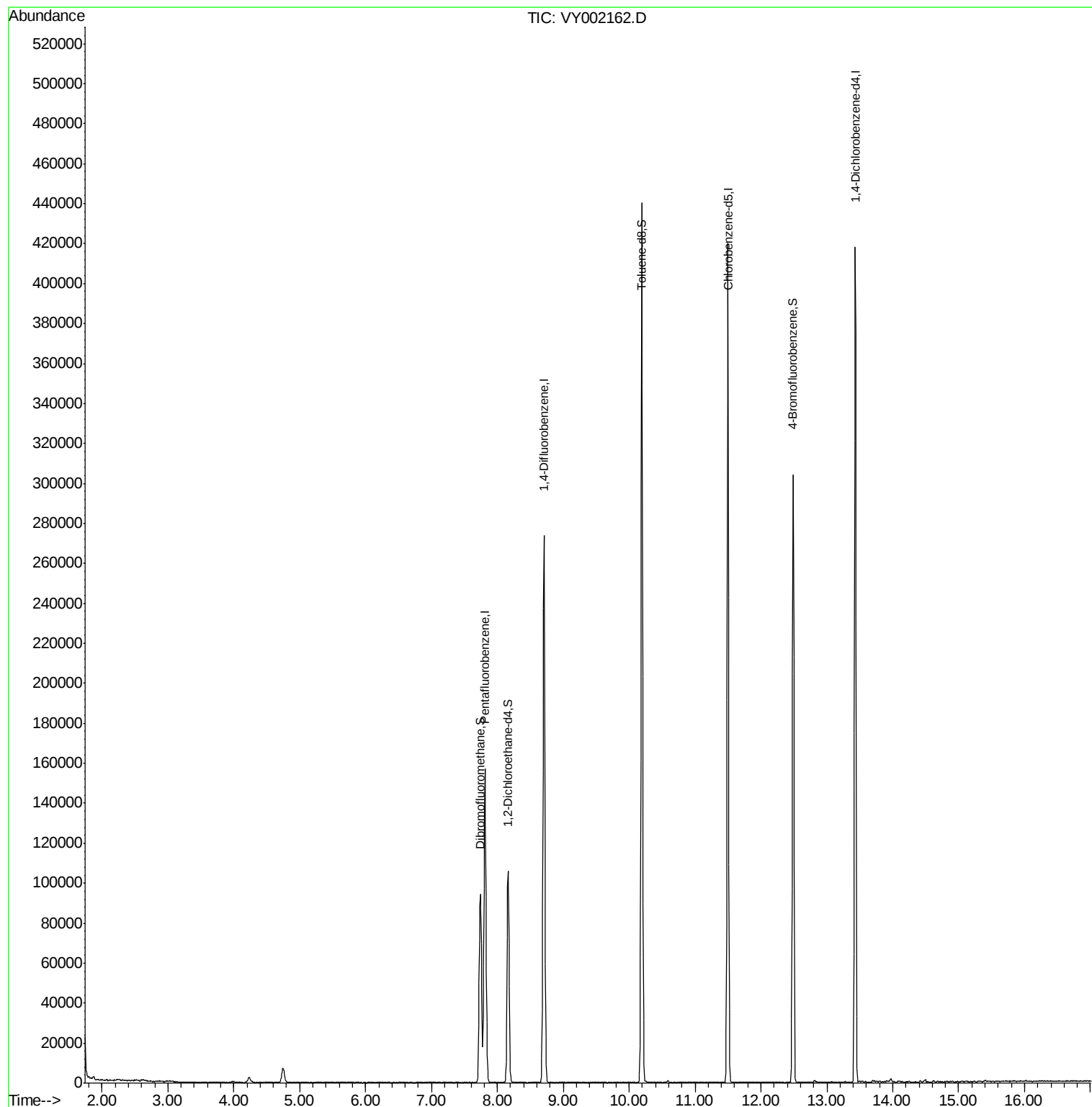
Target Compounds Qvalue

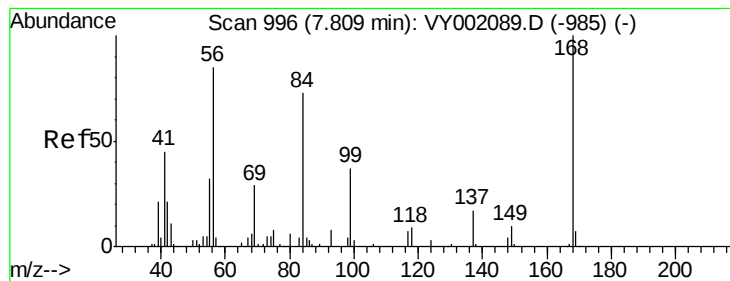
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002162.D

Acq: 01 Apr 2020 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

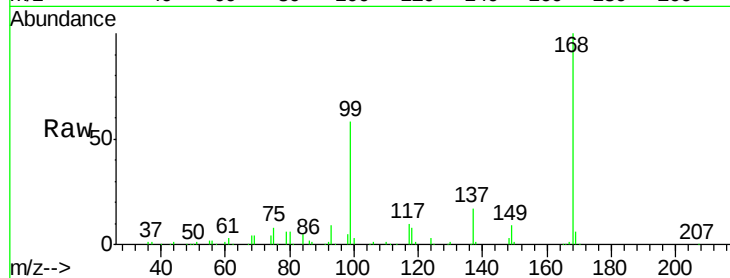
239-SB-03-10-11

Tot Ion:168 Resp: 117663

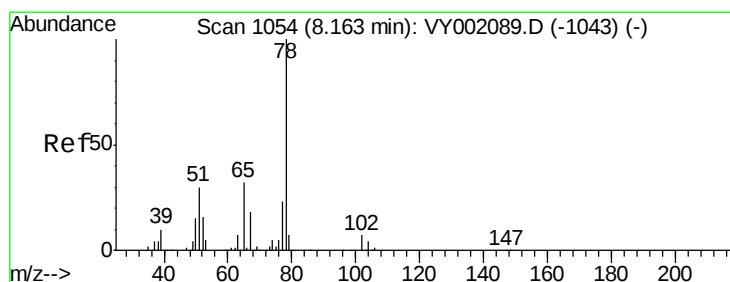
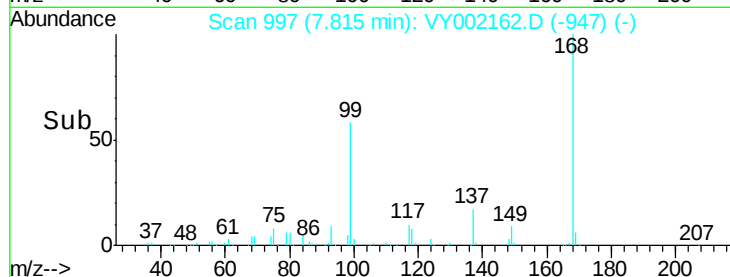
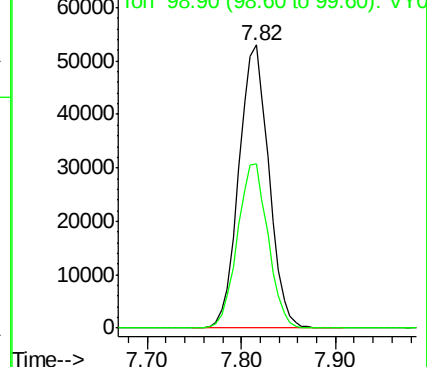
Ion Ratio Lower Upper

168 100

99 58.0 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002162.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.948 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002162.D

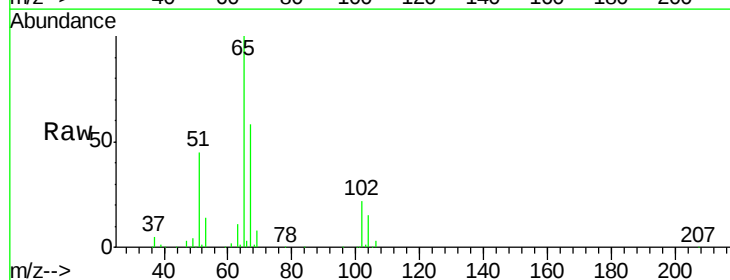
Acq: 01 Apr 2020 14:57

Tgt Ion: 65 Resp: 76675

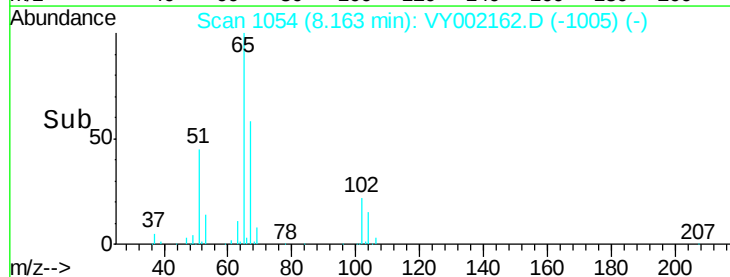
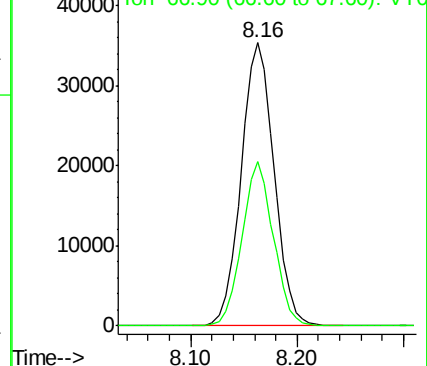
Ion Ratio Lower Upper

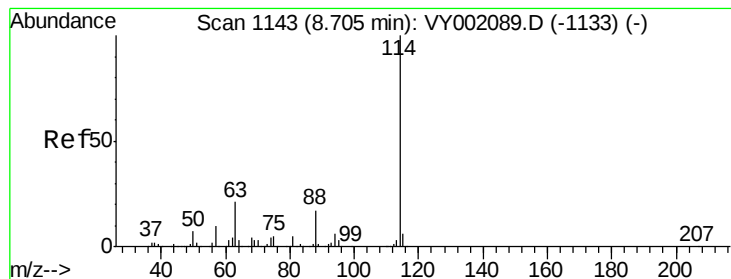
65 100

67 55.2 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002162.D (-1005) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002162.D

Acq: 01 Apr 2020 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

239-SB-03-10-11

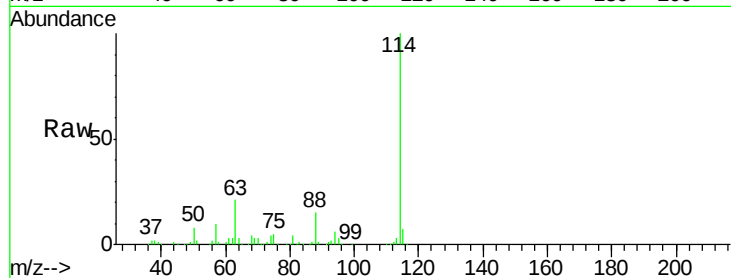
Tot Ion:114 Resp: 231511

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

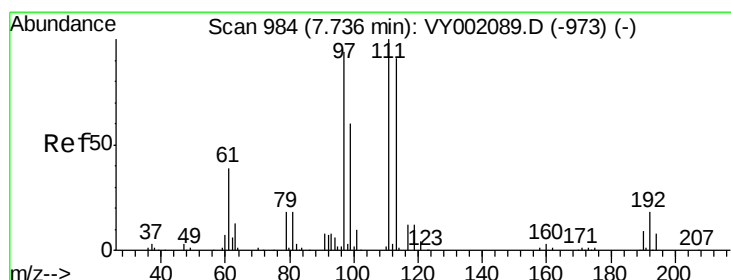
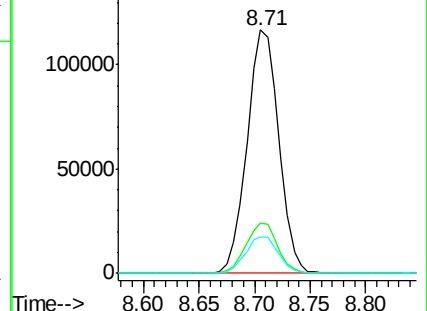
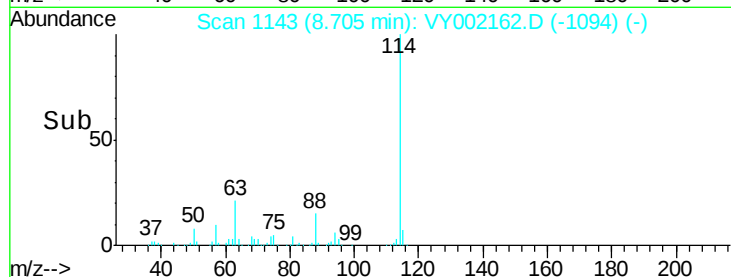
88 15.0 0.0 33.0



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: 52.985 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002162.D

Acq: 01 Apr 2020 14:57

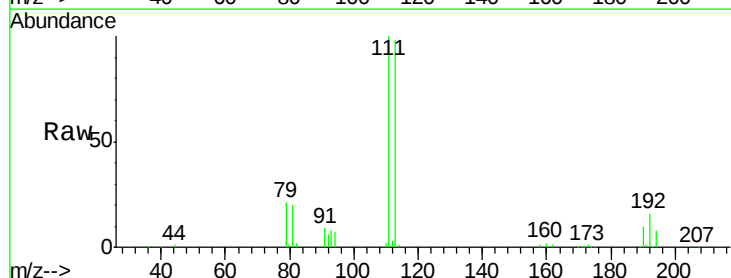
Tgt Ion:113 Resp: 68731

Ion Ratio Lower Upper

113 100

111 102.0 84.4 126.6

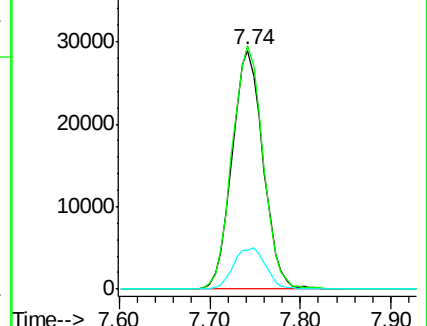
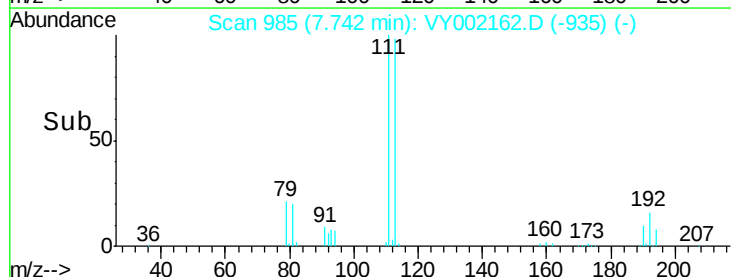
192 18.0 14.6 21.8

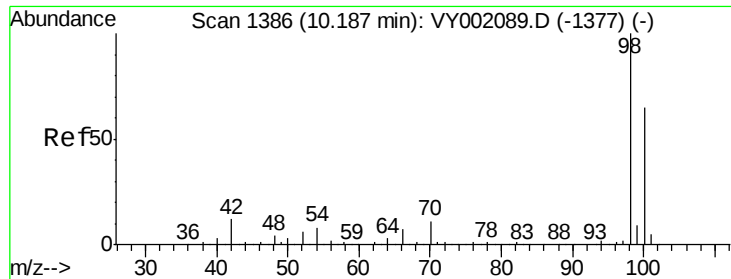


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.014 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002162.D

Acq: 01 Apr 2020 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

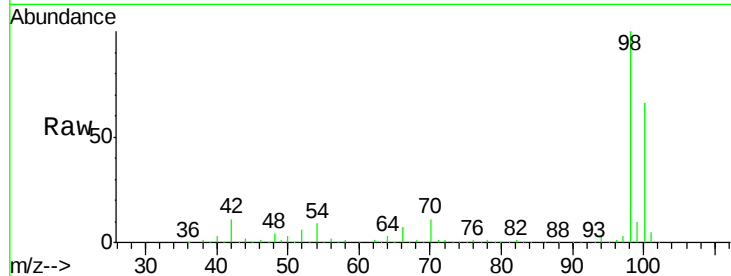
239-SB-03-10-11

Tot Ion: 98 Resp: 285685

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): VY002162.D (-1337) (-)

10.19

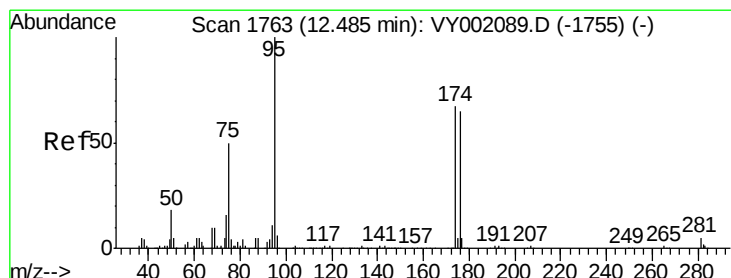
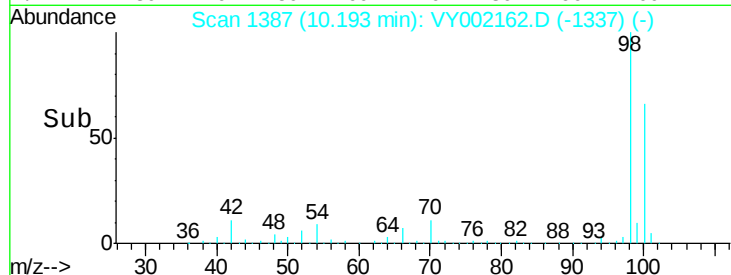
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.600 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002162.D

Acq: 01 Apr 2020 14:57

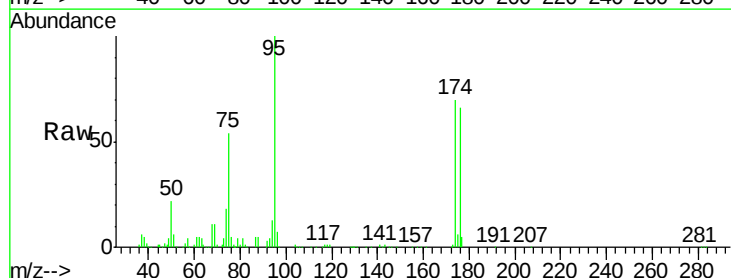
Tgt Ion: 95 Resp: 99133

Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.4

176 70.9 0.0 137.0



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

Ion 173.80 (173.50 to 174.50): VY002162.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY002162.D (-1714) (-)

12.49

80000

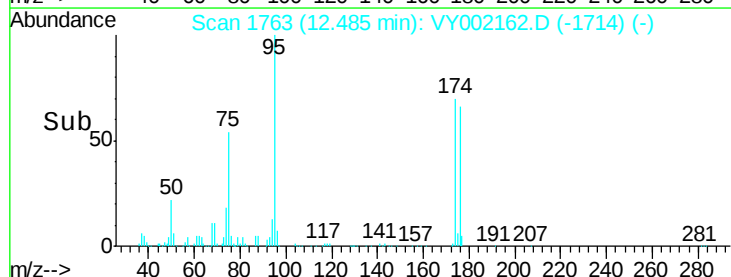
60000

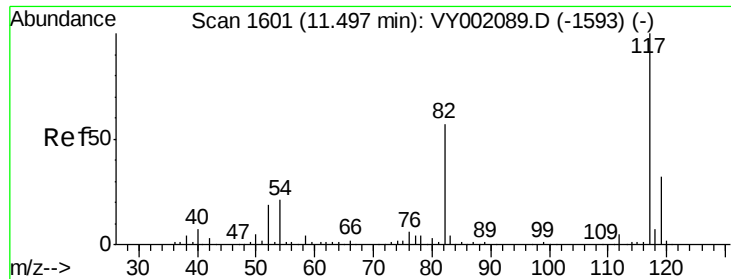
40000

20000

0

Time-->

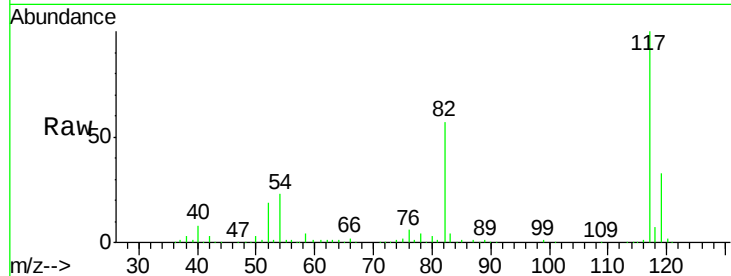




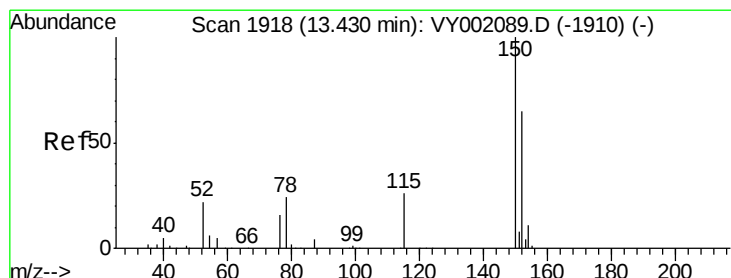
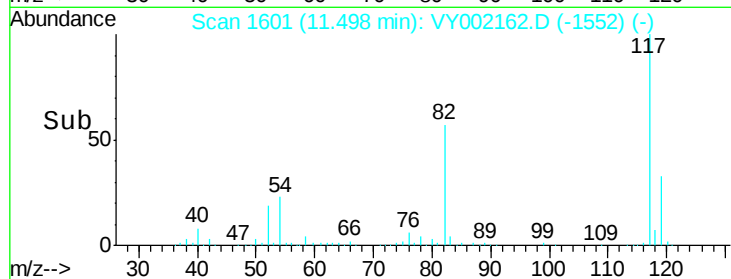
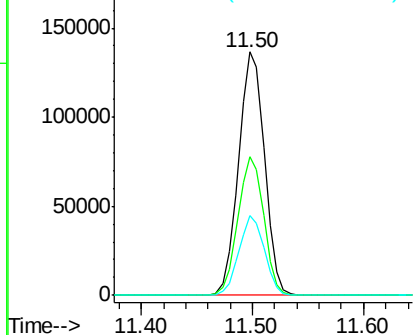
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VY002162.D  
Acq: 01 Apr 2020 14:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
239-SB-03-10-11

Tot Ion:117 Resp: 220387  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.4 68.2  
119 33.0 25.3 37.9

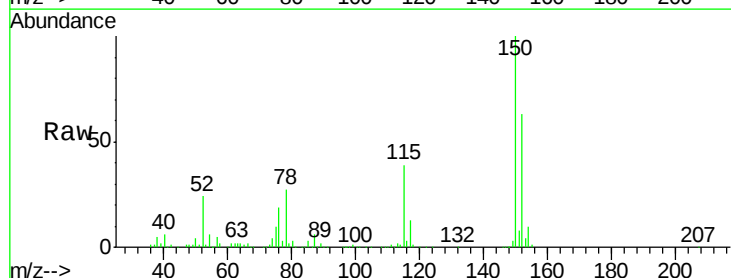


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY002162.D (-1552) (-)  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VY002162.D  
Acq: 01 Apr 2020 14:57

Tgt Ion:152 Resp: 99436  
Ion Ratio Lower Upper  
152 100  
115 61.7 31.2 93.6  
150 157.9 0.0 354.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): VY002162.D (-1869) (-)  
Ion 149.90 (149.60 to 150.60): V

