

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\  
 Data File : VY001881.D  
 Acq On : 05 Mar 2020 14:58  
 Operator : SY/MD  
 Sample : L1778-24  
 Misc : 5.74G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S9

Quant Time: Mar 06 05:32:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

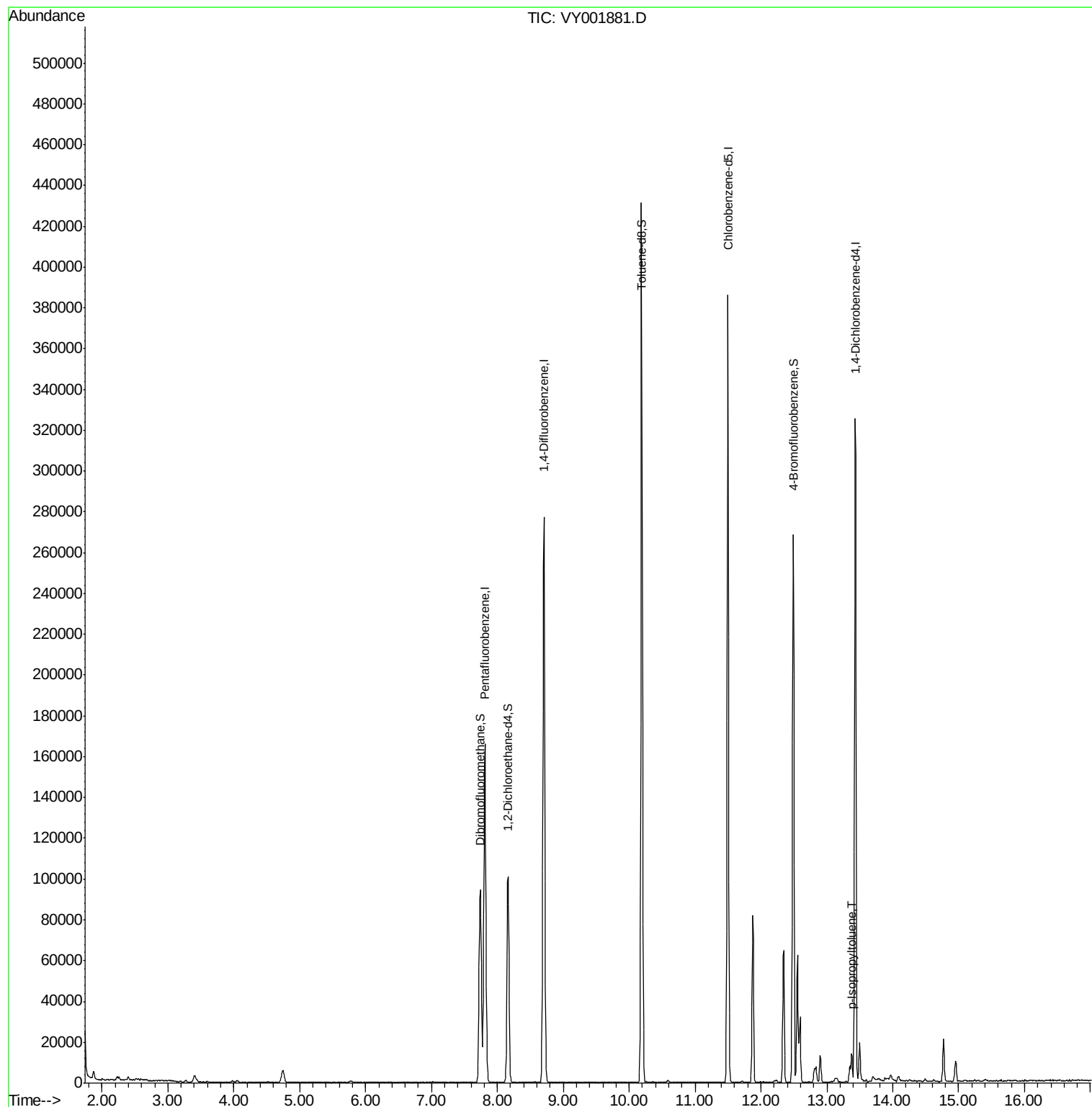
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 124168   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 234687   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 200686   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 77594    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 74772    | 56.41 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.82% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 67674    | 52.81 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.62% |           |
| 50) Toluene-d8              | 10.19 | 98   | 280544   | 51.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.84% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 88210    | 46.95 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.90%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 86) p-Isopropyltoluene      | 13.38 | 119  | 6654     | 1.292 | ug/l    | Qvalue 88 |

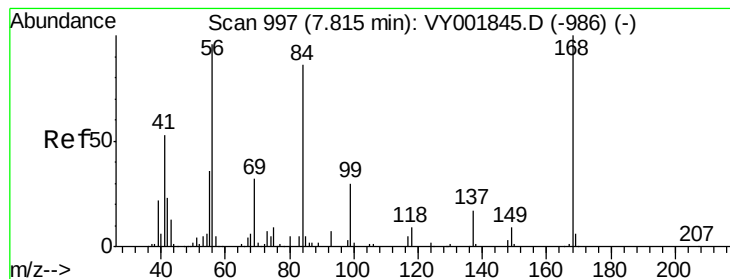
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001881.D

Acq: 05 Mar 2020 14:58

Instrument :

MSVOA\_Y

ClientSampled :

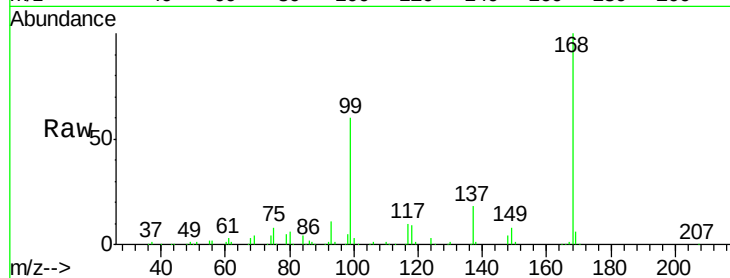
S9

Tot Ion:168 Resp: 124168

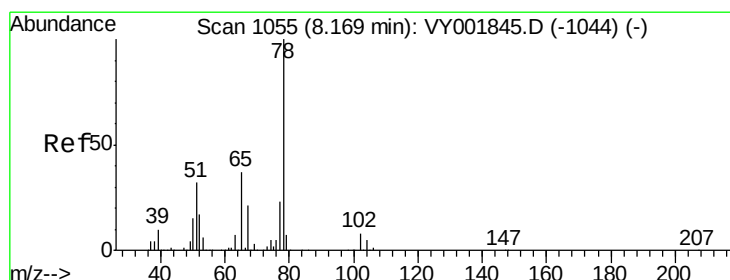
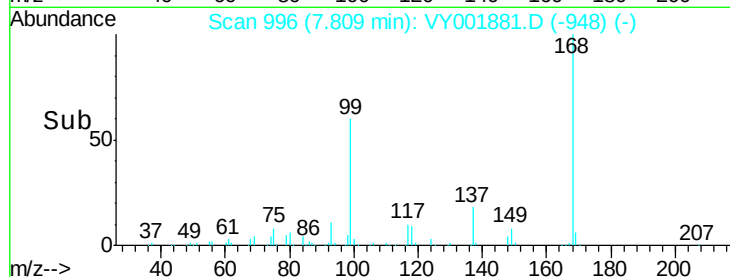
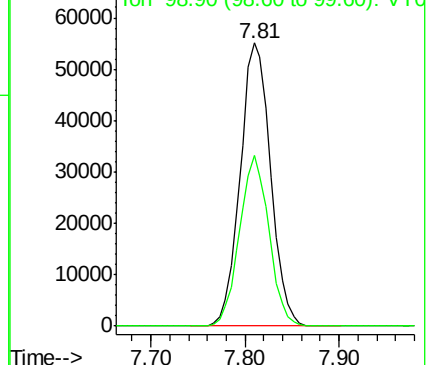
Ion Ratio Lower Upper

168 100

99 60.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.407 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001881.D

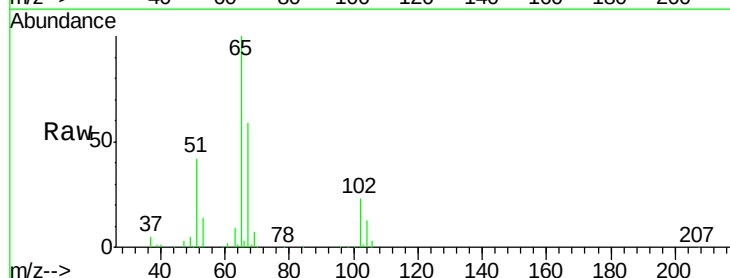
Acq: 05 Mar 2020 14:58

Tgt Ion: 65 Resp: 74772

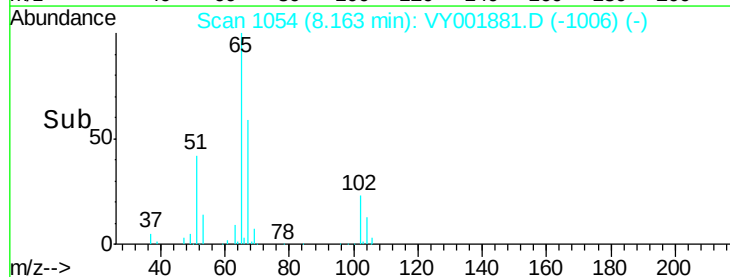
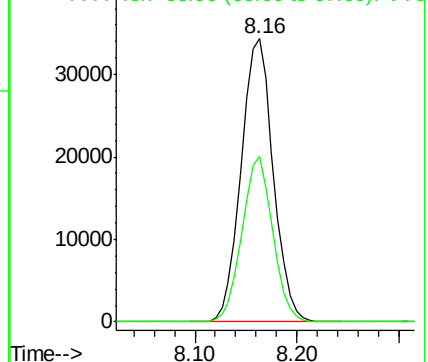
Ion Ratio Lower Upper

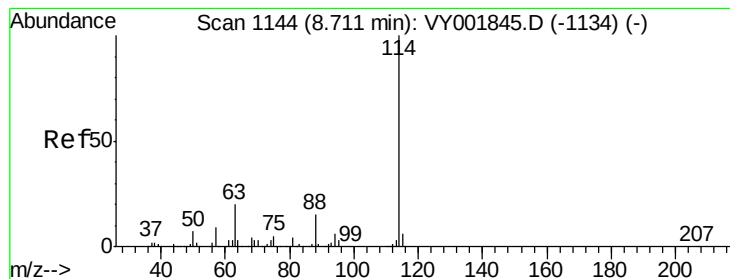
65 100

67 56.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001881.D

Acq: 05 Mar 2020 14:58

Instrument :

MSVOA\_Y

ClientSampleId :

S9

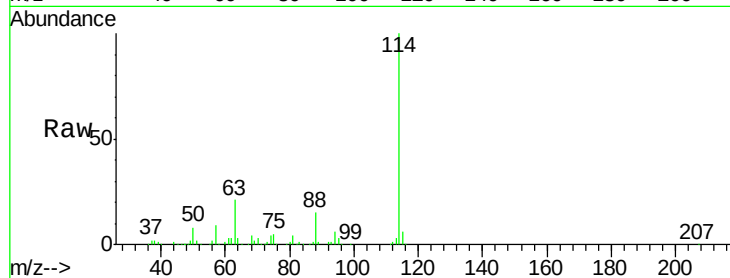
Tot Ion:114 Resp: 234687

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.4

88 15.1 0.0 30.4



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

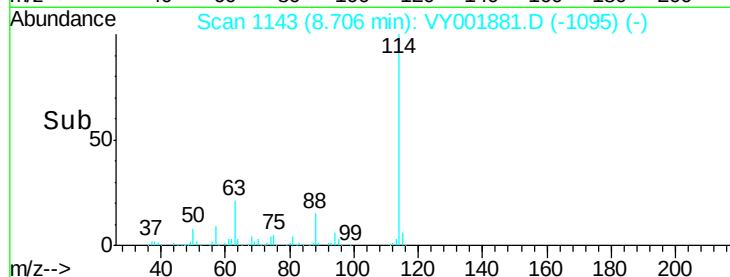
150000

100000

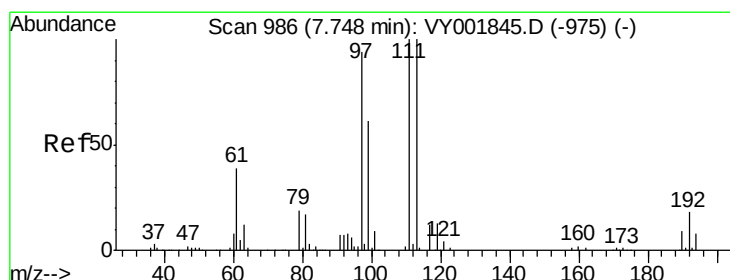
50000

0

8.60 8.65 8.70 8.75 8.80



Time-->



#35

Dibromofluoromethane

Concen: 52.809 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001881.D

Acq: 05 Mar 2020 14:58

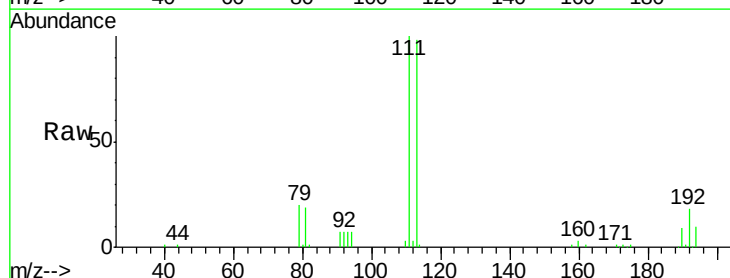
Tgt Ion:113 Resp: 67674

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 18.3 14.2 21.2



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

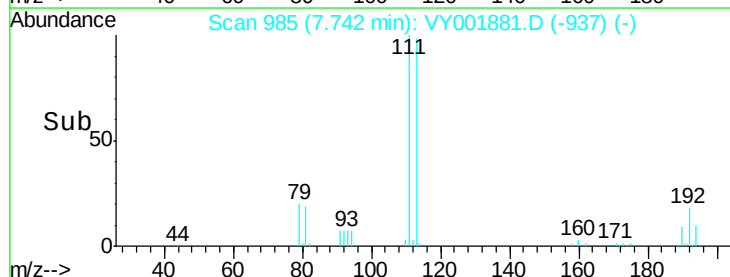
30000

20000

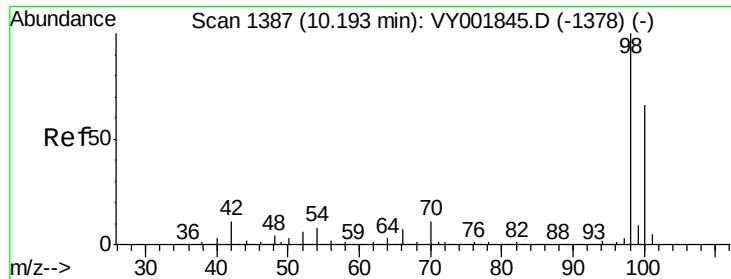
10000

0

7.60 7.70 7.80



Time-->



#50

Toluene-d8

Concen: 51.916 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001881.D

Acq: 05 Mar 2020 14:58

Instrument :

MSVOA\_Y

ClientSampleId :

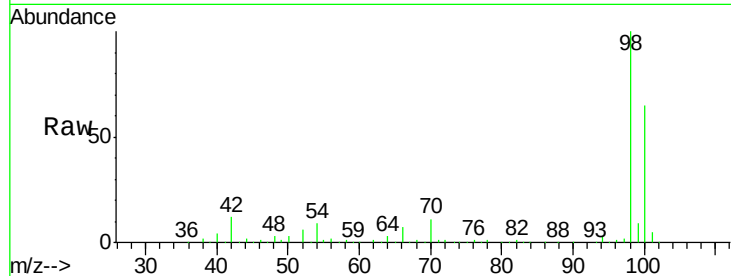
S9

Tot Ion: 98 Resp: 280544

Ion Ratio Lower Upper

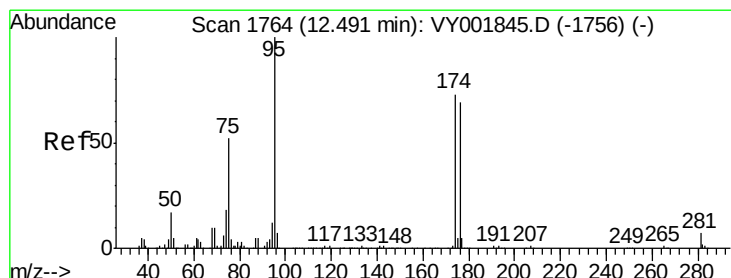
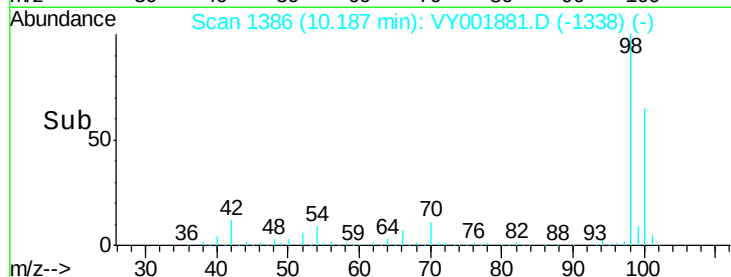
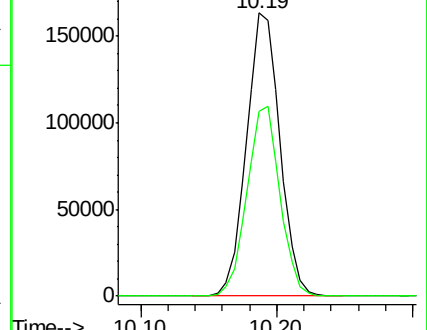
98 100

100 66.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)



#62

4-Bromofluorobenzene

Concen: 46.946 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001881.D

Acq: 05 Mar 2020 14:58

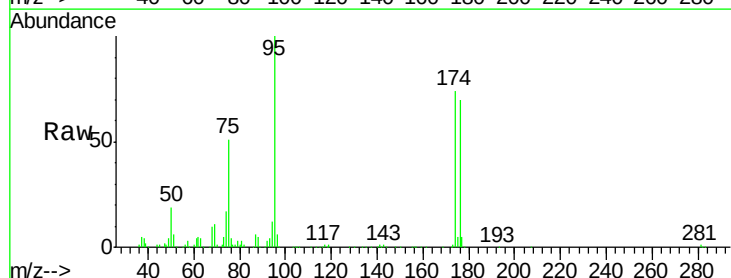
Tgt Ion: 95 Resp: 88210

Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.0

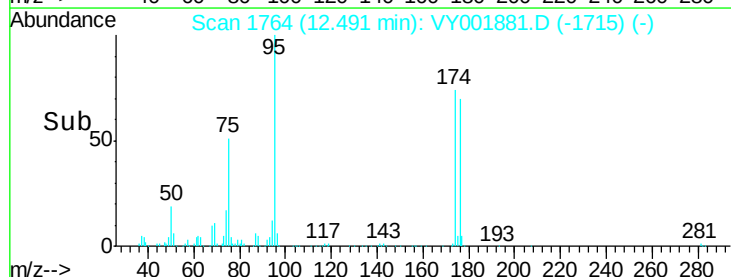
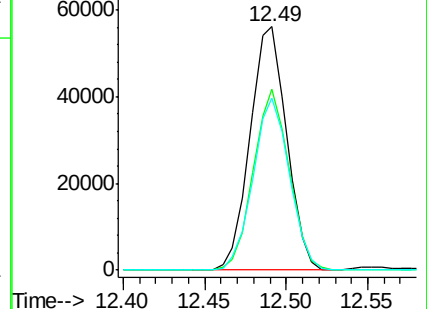
176 70.0 0.0 137.4

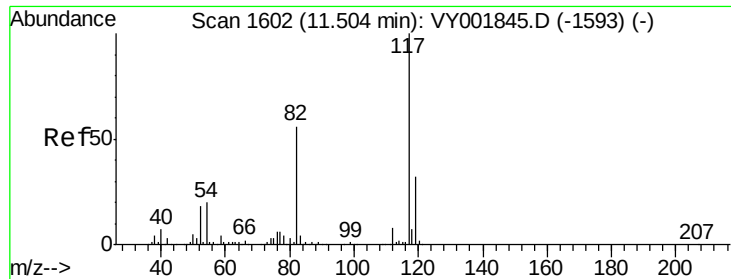


Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

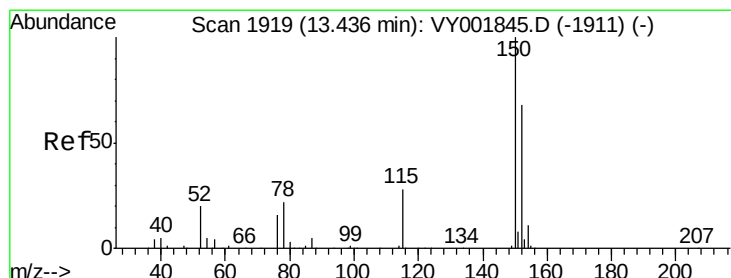
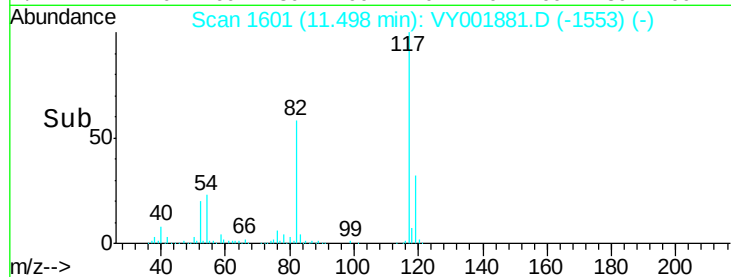
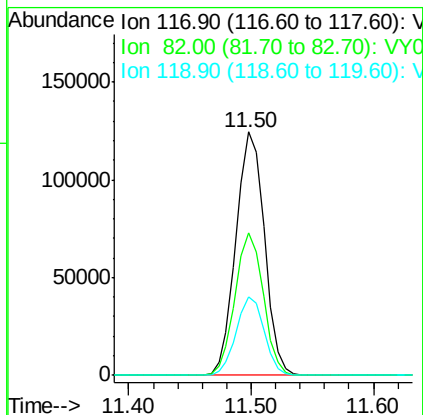
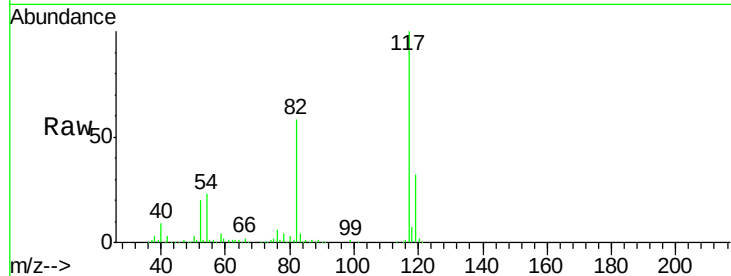




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001881.D  
Acq: 05 Mar 2020 14:58

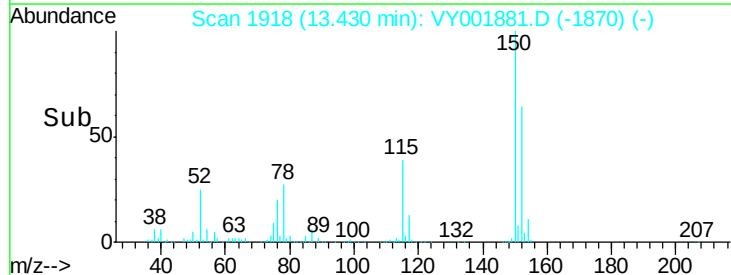
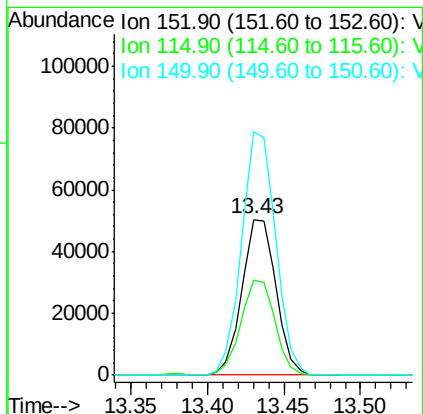
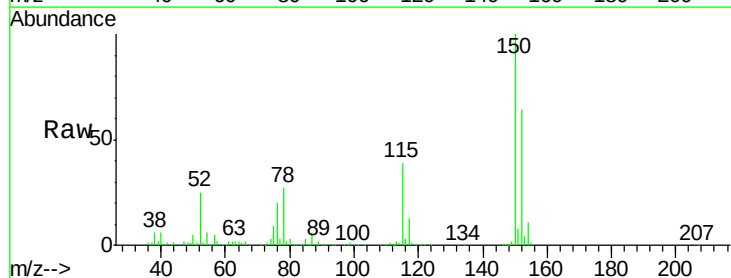
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S9

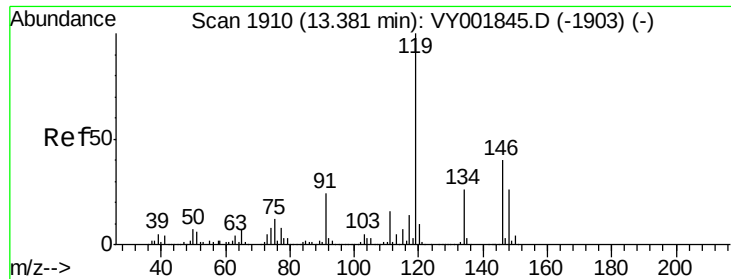
Tot Ion:117 Resp: 200686  
Ion Ratio Lower Upper  
117 100  
82 58.3 44.5 66.7  
119 32.1 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY001881.D  
Acq: 05 Mar 2020 14:58

Tgt Ion:152 Resp: 77594  
Ion Ratio Lower Upper  
152 100  
115 61.5 29.9 89.7  
150 157.3 0.0 340.6





#86  
 p-Isopropyltoluene  
 Concen: 1.292 ug/l  
 RT: 13.38 min Scan# 1909  
 Delta R.T. -0.01 min  
 Lab File: VY001881.D  
 Acq: 05 Mar 2020 14:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S9

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 119   | Resp: | 6654  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 28.6  | 13.1  | 39.3  |
| 91       | 33.5  | 11.9  | 35.7  |

