

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040920\  
 Data File : VY002264.D  
 Acq On : 09 Apr 2020 10:40  
 Operator : SY/MD  
 Sample : VY0409SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBL01

Quant Time: Apr 10 08:52:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 08 15:15:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 146744   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 289382   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 274204   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 120965   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 89320    | 54.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.46% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 86388    | 50.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.34% |          |
| 50) Toluene-d8              | 10.19 | 98   | 353234   | 49.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.02%  |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 125013   | 52.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.16% |          |

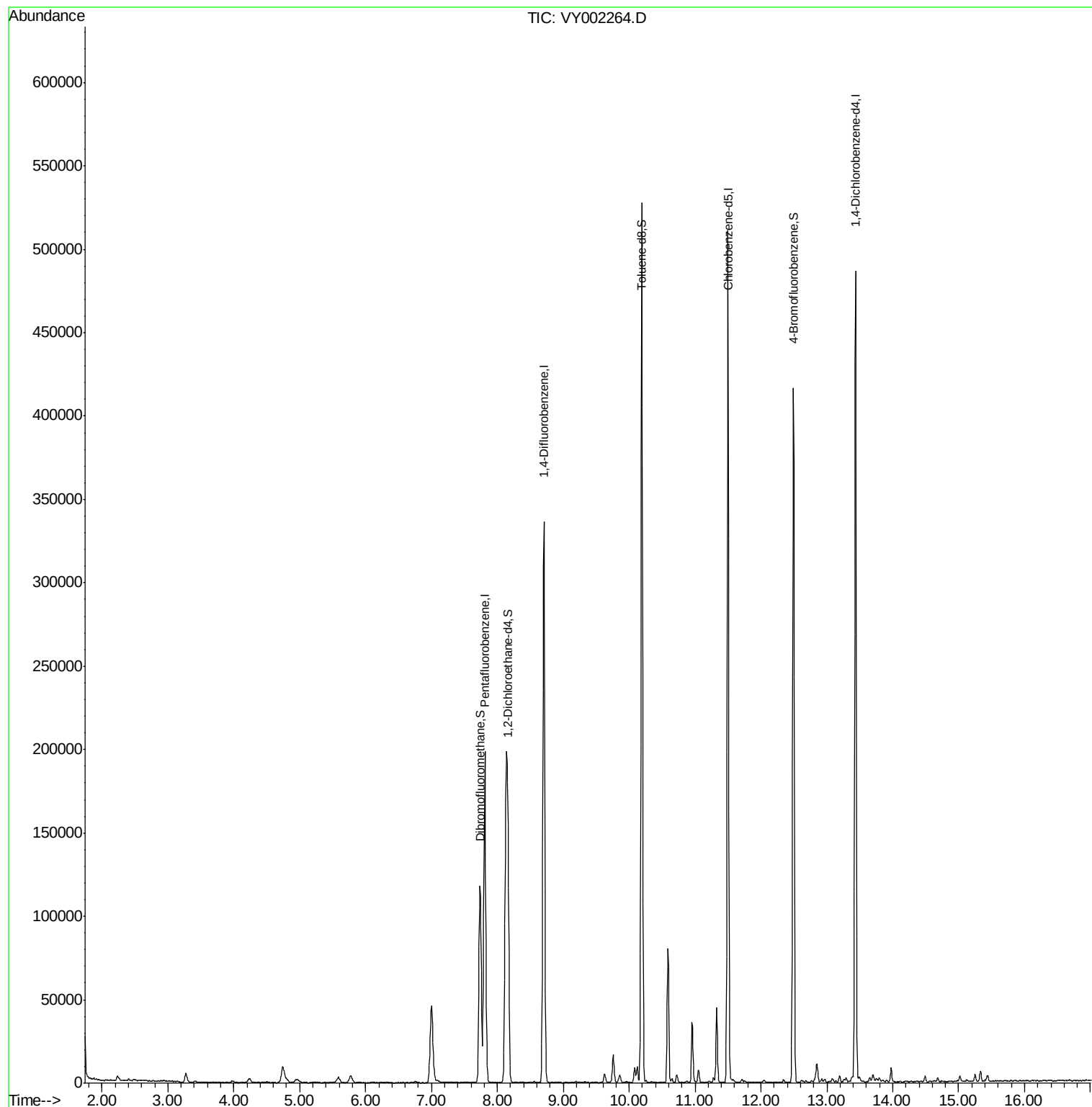
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

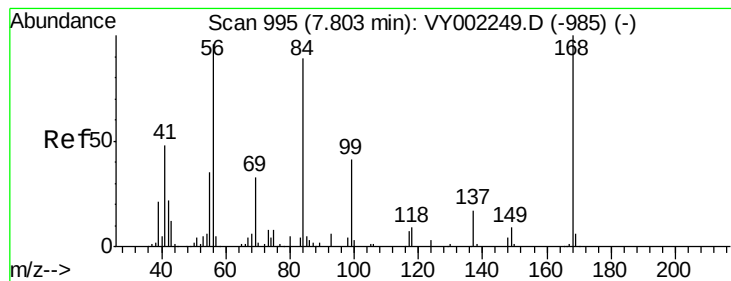
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 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: VY002264.D

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Instrument :

MSVOA\_Y

ClientSampleId :

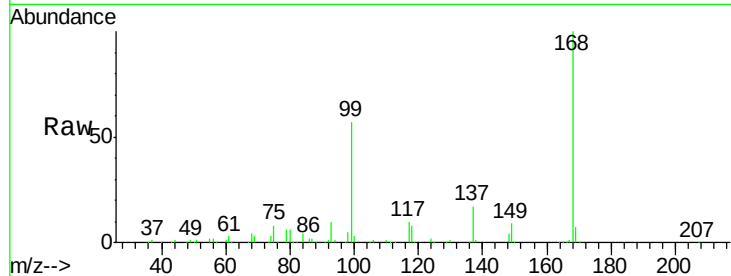
VY0409SBL01

Tot Ion:168 Resp: 146744

Ion Ratio Lower Upper

168 100

99 56.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002264.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY002264.D (-946) (-)

7.81

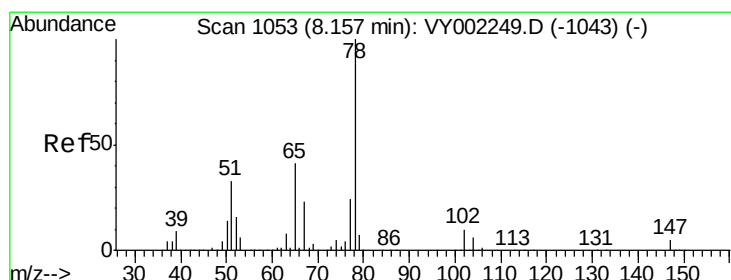
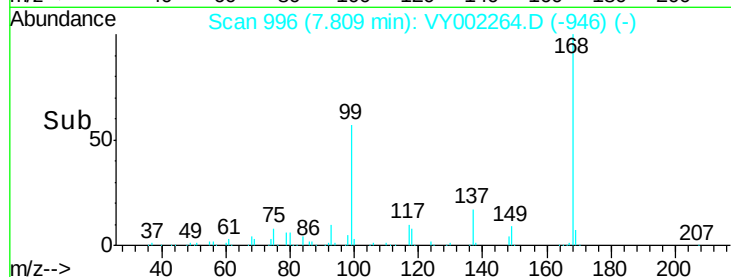
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 54.734 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002264.D

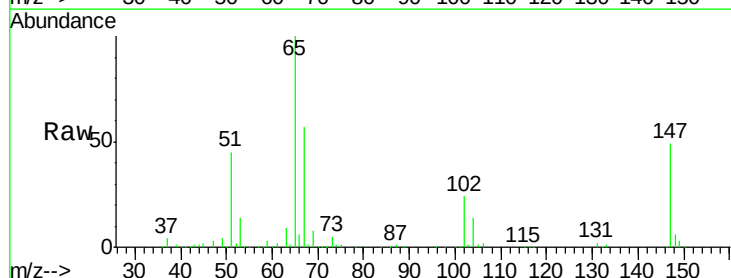
Acq: 09 Apr 2020 10:40

Tgt Ion: 65 Resp: 89320

Ion Ratio Lower Upper

65 100

67 59.4 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY002264.D (-1004) (-)

Ion 66.90 (66.60 to 67.60): VY002264.D (-1004) (-)

8.16

40000

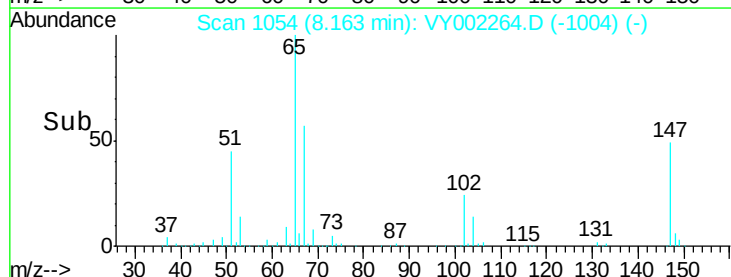
30000

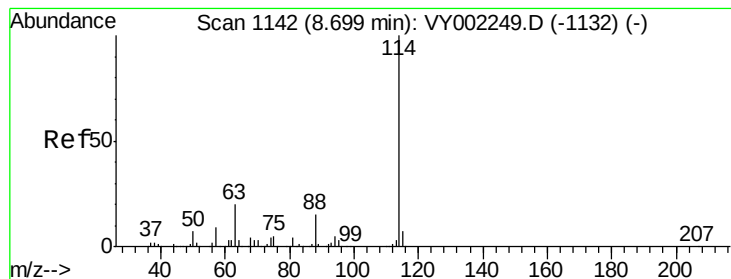
20000

10000

0

Time--> 8.00 8.10 8.20 8.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBL01

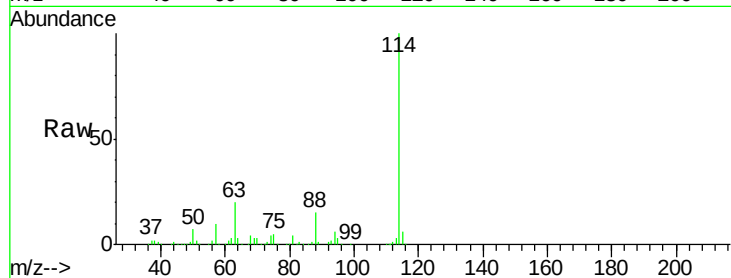
Tot Ion:114 Resp: 289382

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

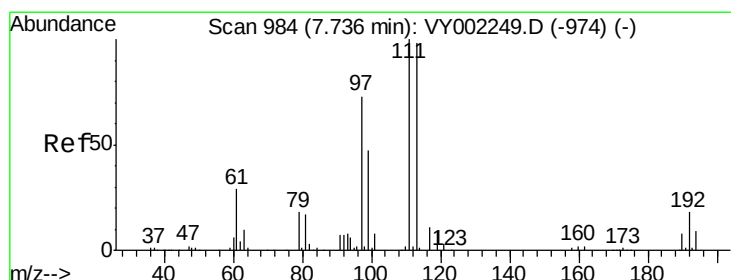
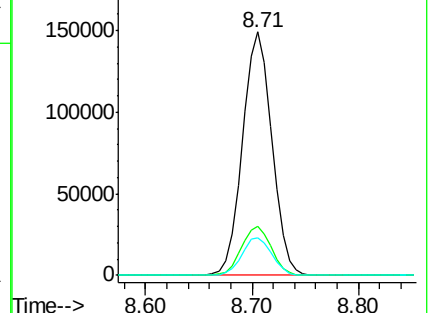
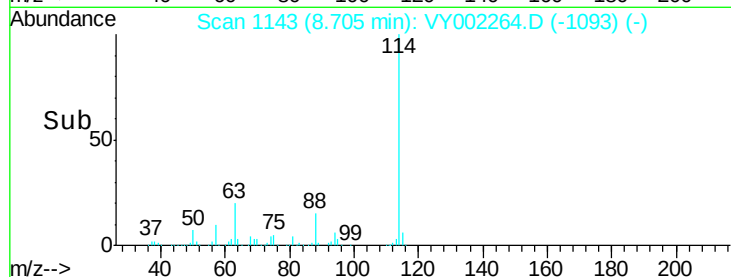
88 15.3 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 50.170 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

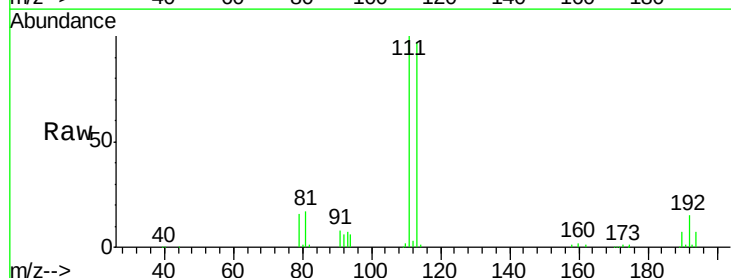
Tgt Ion:113 Resp: 86388

Ion Ratio Lower Upper

113 100

111 104.0 83.5 125.3

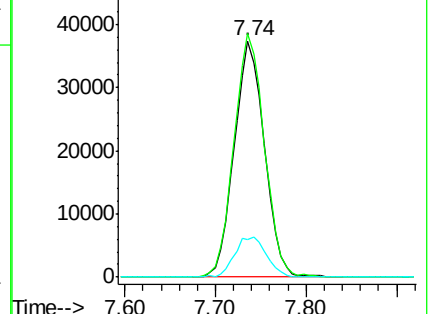
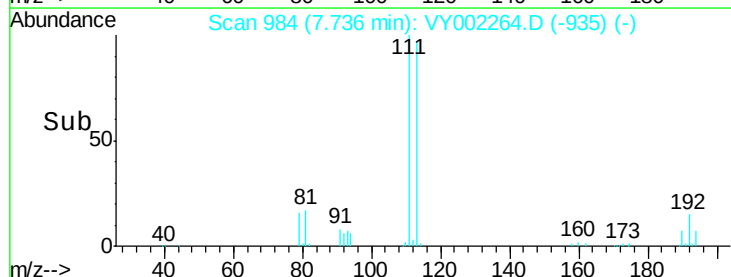
192 17.9 14.7 22.1

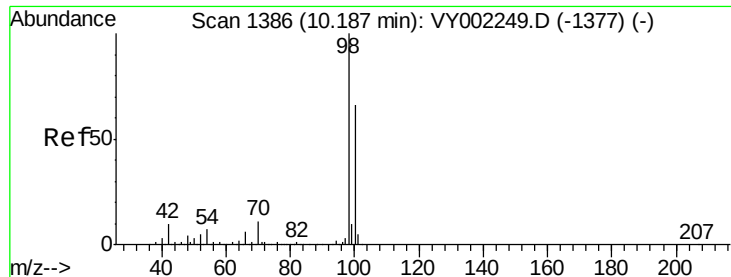


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.011 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA\_Y

ClientSampleId :

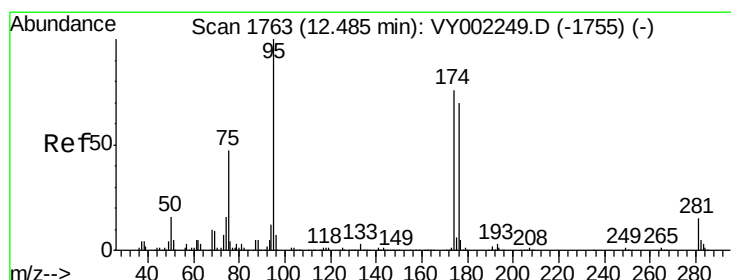
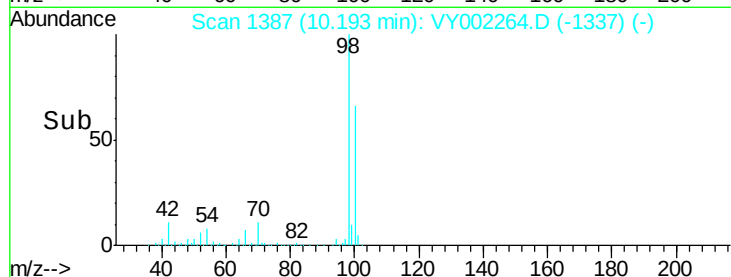
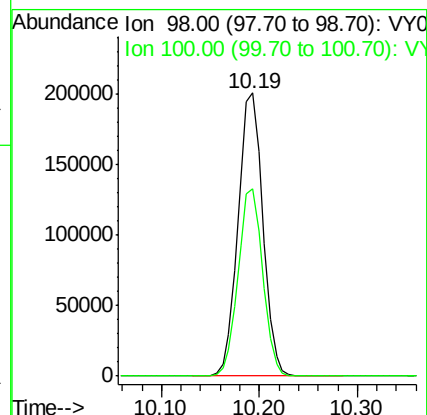
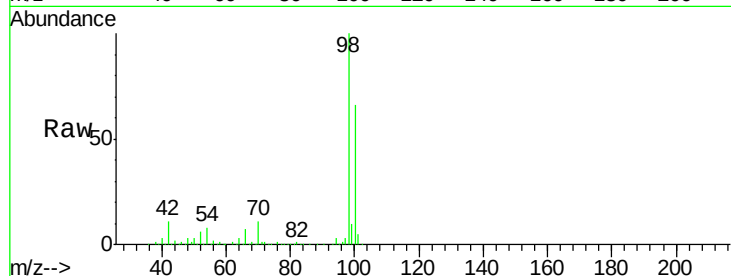
VY0409SBL01

Tot Ion: 98 Resp: 353234

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 52.576 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002264.D

Acq: 09 Apr 2020 10:40

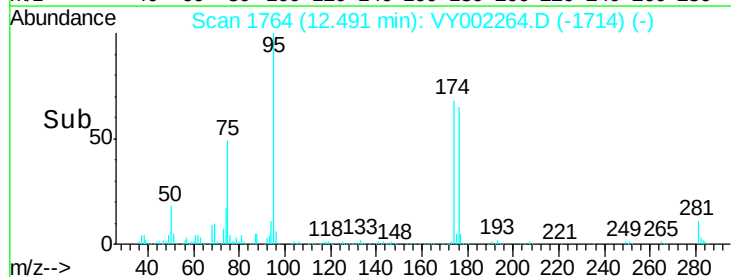
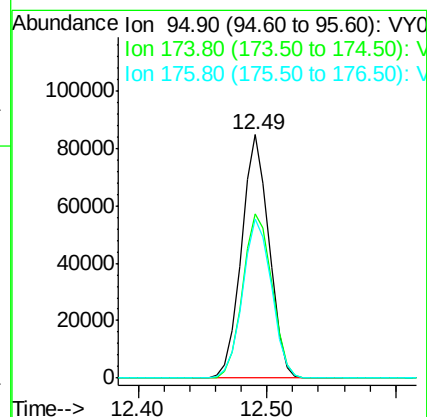
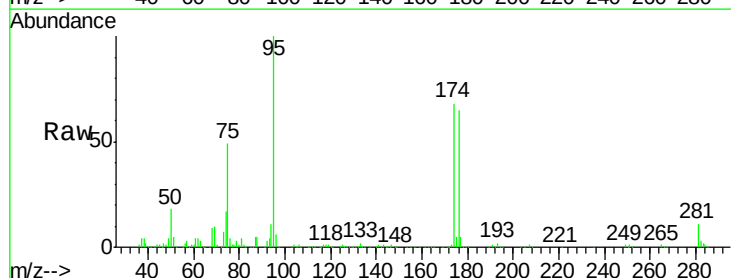
Tgt Ion: 95 Resp: 125013

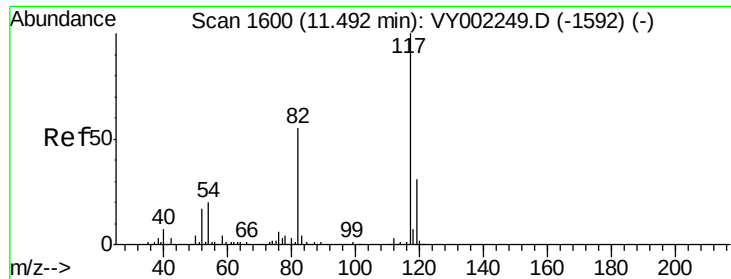
Ion Ratio Lower Upper

95 100

174 71.7 0.0 150.6

176 68.5 0.0 141.4

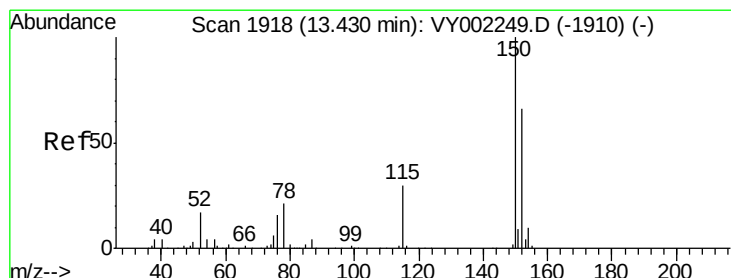
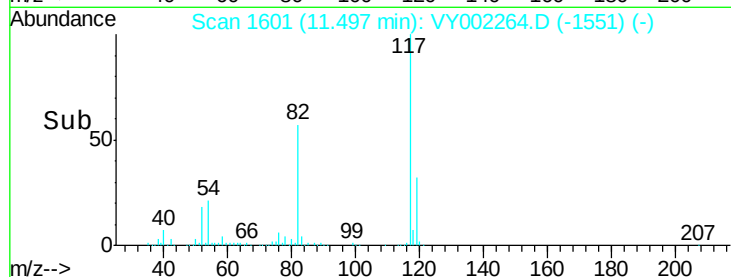
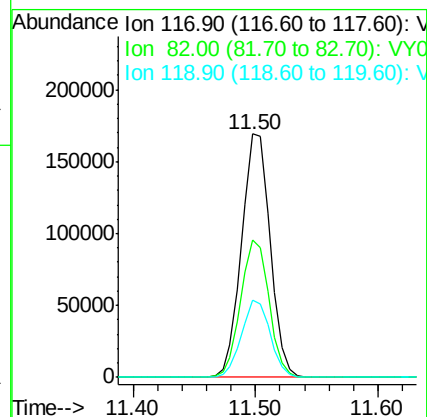
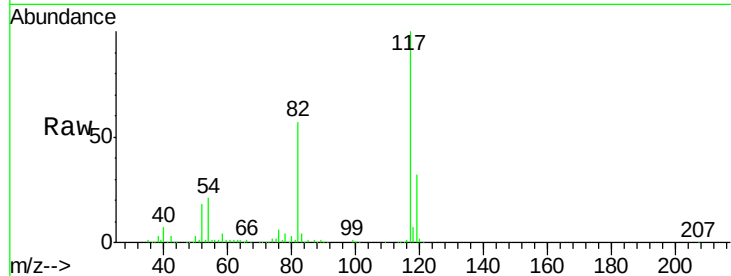




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VY002264.D  
Acq: 09 Apr 2020 10:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBL01

Tot Ion:117 Resp: 274204  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.2 66.4  
119 31.7 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002264.D  
Acq: 09 Apr 2020 10:40

Tgt Ion:152 Resp: 120965  
Ion Ratio Lower Upper  
152 100  
115 60.3 30.7 92.1  
150 154.9 0.0 350.6

