

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\  
 Data File : VY002341.D  
 Acq On : 15 Apr 2020 16:49  
 Operator : SY/MD  
 Sample : L2245-36  
 Misc : 5.54G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-27

Quant Time: Apr 16 07:18:40 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

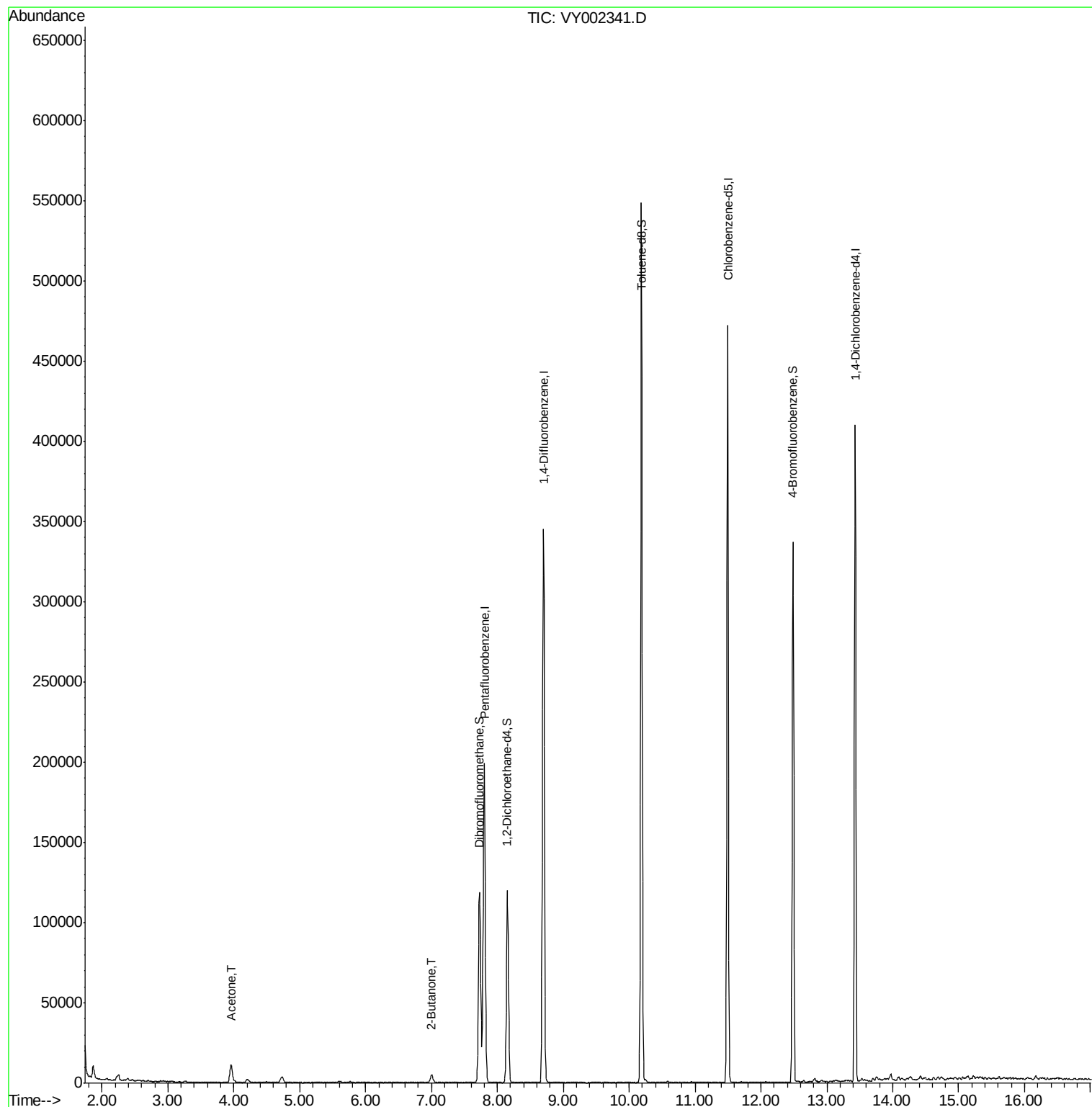
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 150744   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 295998   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 262427   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 100475   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 86596    | 51.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.32% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 87990    | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 359775   | 48.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 110890   | 45.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 18757    | 42.482 | ug/l    | 94       |
| 25) 2-Butanone              | 7.01  | 43   | 8446     | 12.087 | ug/l #  | 84       |

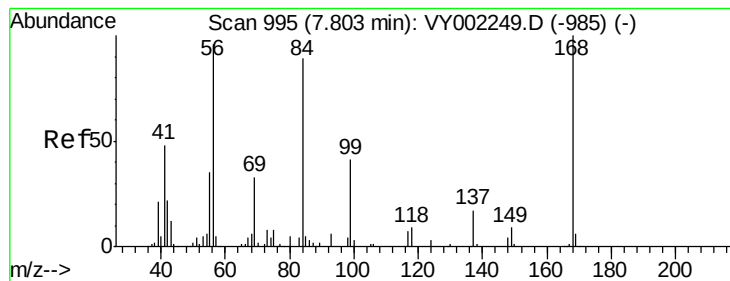
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

Instrument :

MSVOA\_Y

ClientSampled :

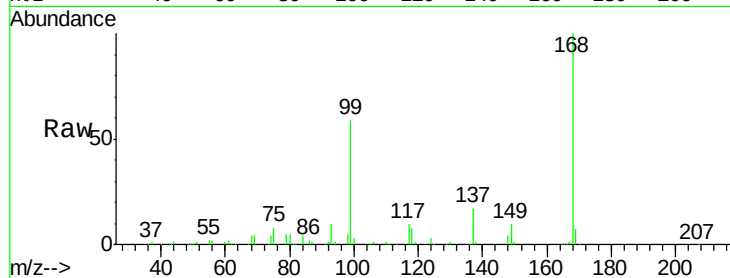
TP-27

Tot Ion:168 Resp: 150744

Ion Ratio Lower Upper

168 100

99 58.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

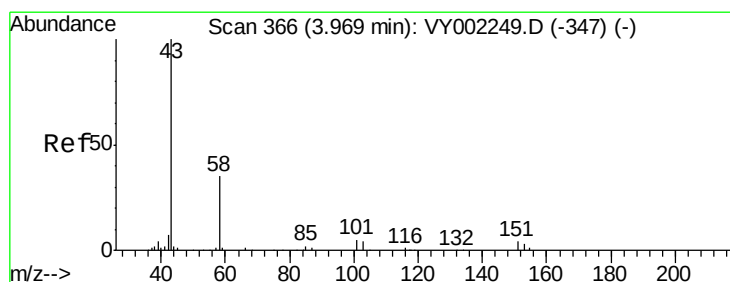
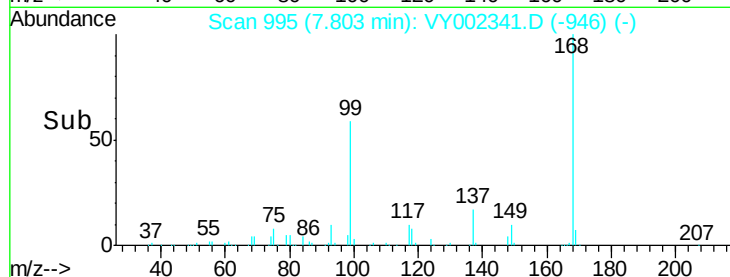
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 42.482 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002341.D

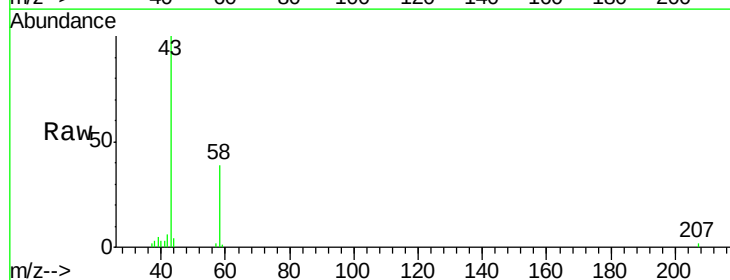
Acq: 15 Apr 2020 16:49

Tgt Ion: 43 Resp: 18757

Ion Ratio Lower Upper

43 100

58 38.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.96

8000

6000

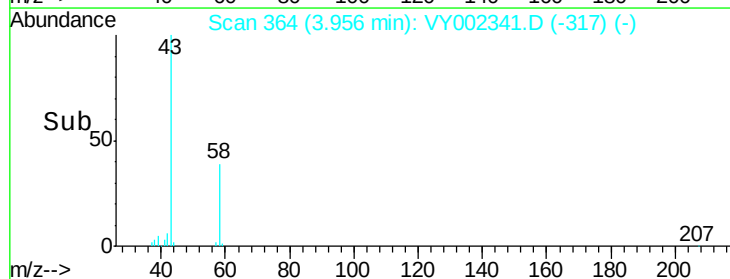
4000

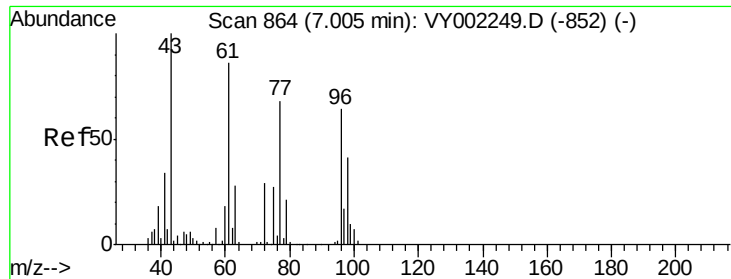
2000

0

3.90 4.00 4.10

Time-->





#25

2-Butanone

Concen: 12.087 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

Instrument :

MSVOA\_Y

ClientSampled :

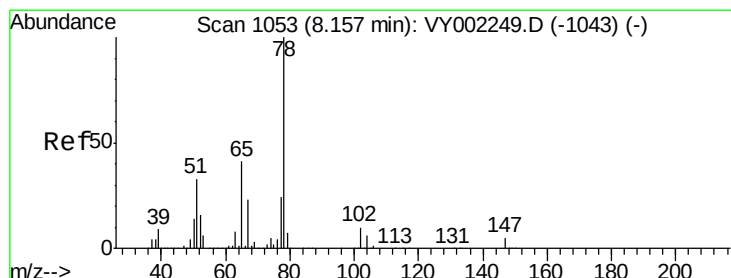
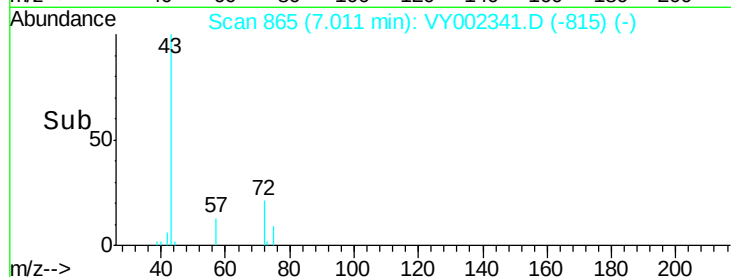
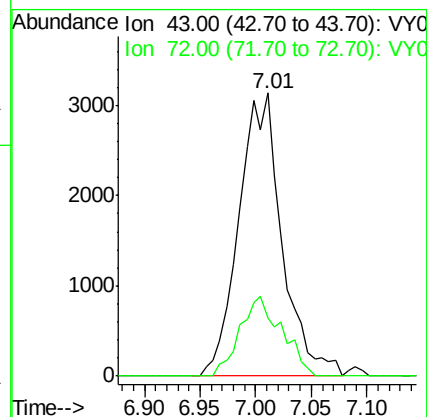
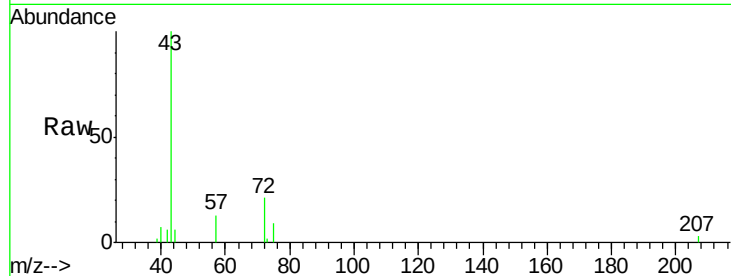
TP-27

Tot Ion: 43 Resp: 8446

Ion Ratio Lower Upper

43 100

72 20.7 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 51.656 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002341.D

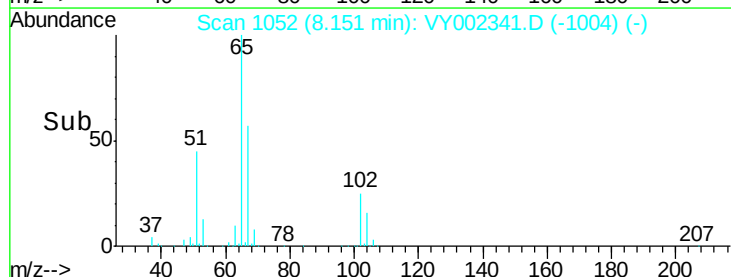
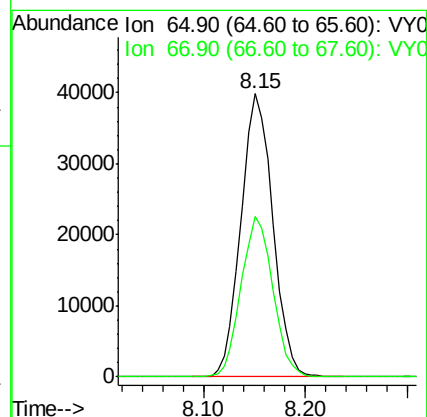
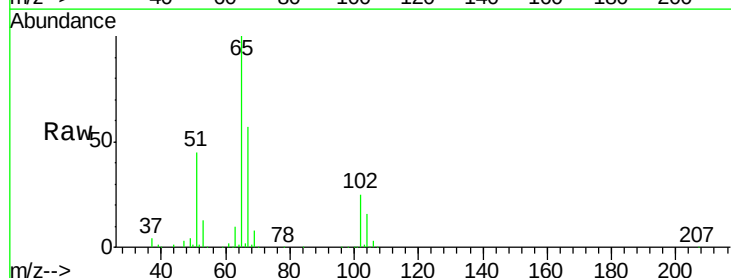
Acq: 15 Apr 2020 16:49

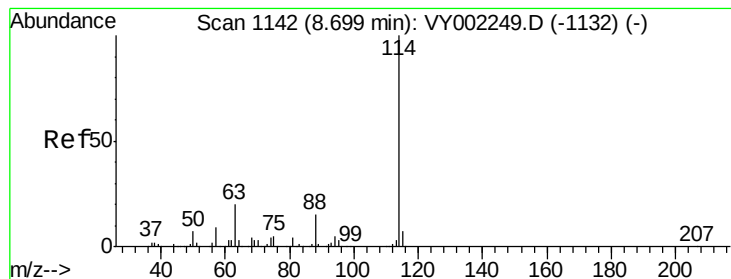
Tgt Ion: 65 Resp: 86596

Ion Ratio Lower Upper

65 100

67 56.3 0.0 114.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

Instrument :

MSVOA\_Y

ClientSampleId :

TP-27

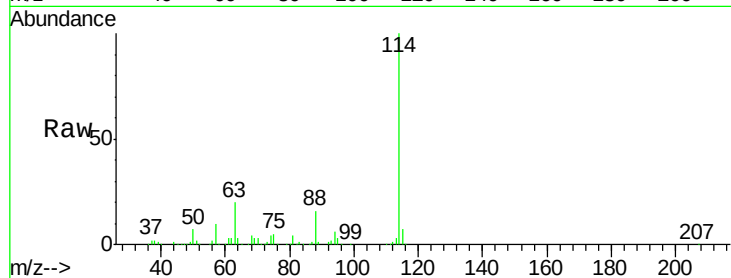
Tot Ion:114 Resp: 295998

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

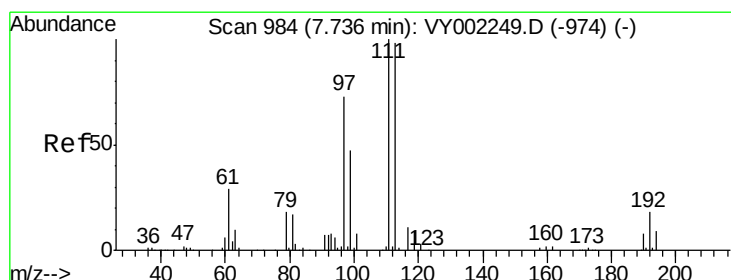
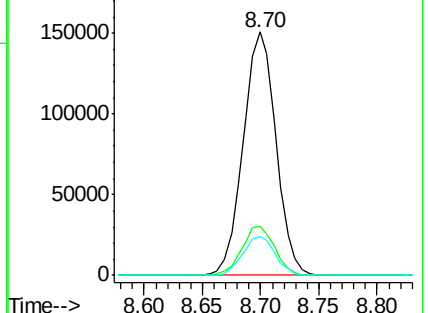
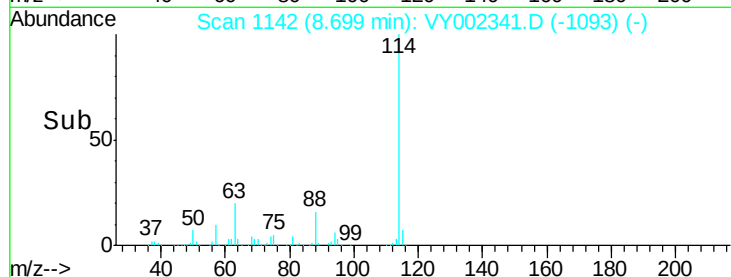
88 15.9 0.0 31.0



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: 49.958 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

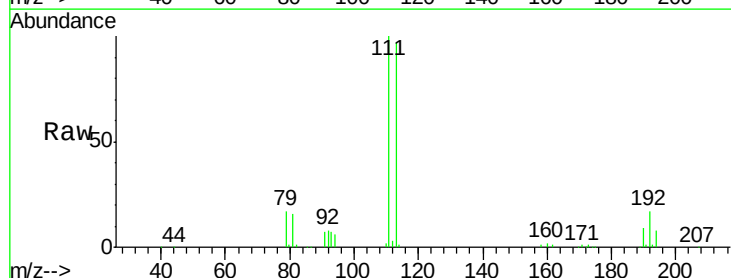
Tgt Ion:113 Resp: 87990

Ion Ratio Lower Upper

113 100

111 103.7 83.5 125.3

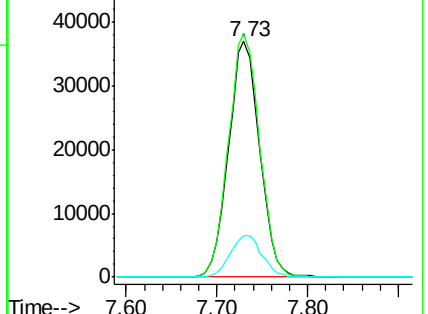
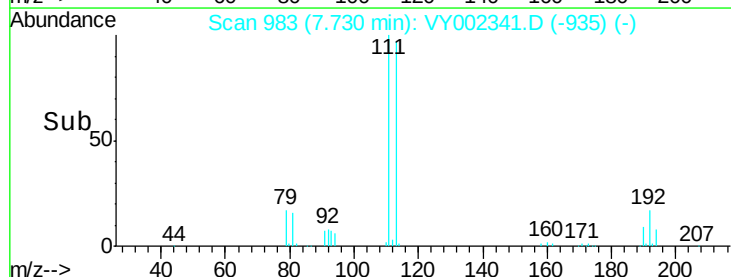
192 17.9 14.7 22.1

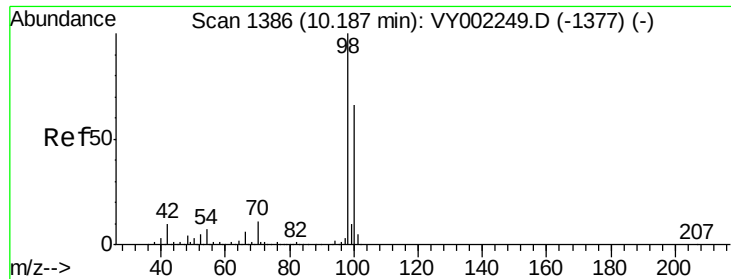


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.803 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

Instrument :

MSVOA\_Y

ClientSampleId :

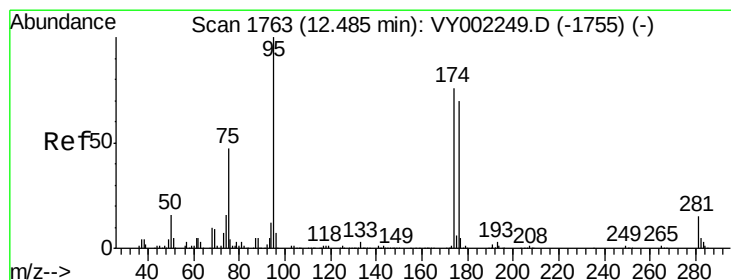
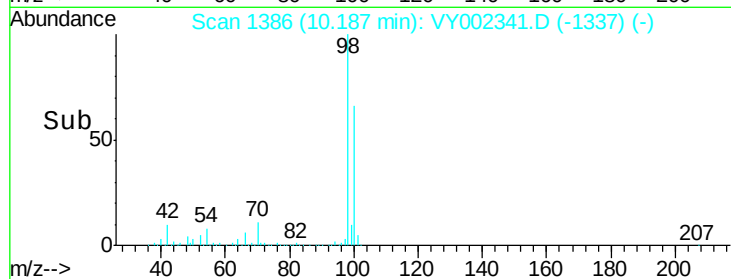
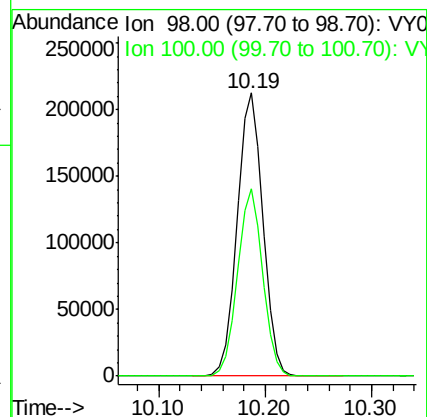
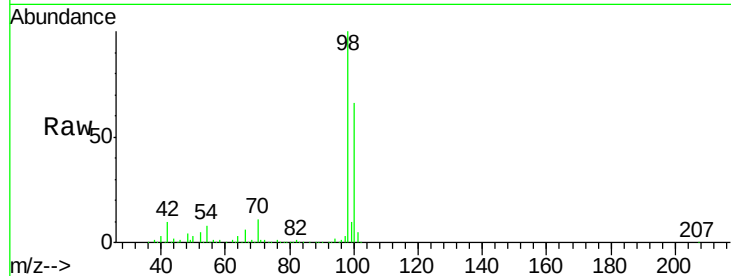
TP-27

Tot Ion: 98 Resp: 359775

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 45.594 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002341.D

Acq: 15 Apr 2020 16:49

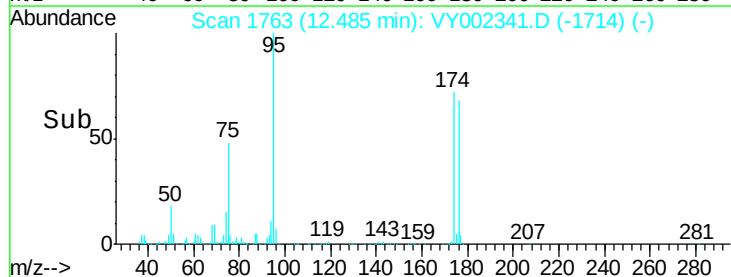
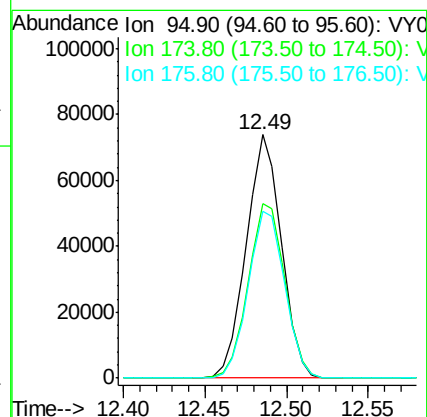
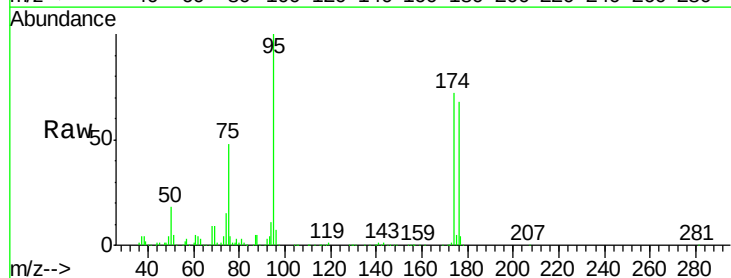
Tgt Ion: 95 Resp: 110890

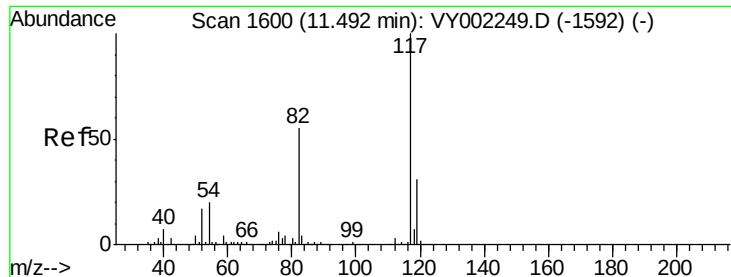
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 71.1 0.0 141.4

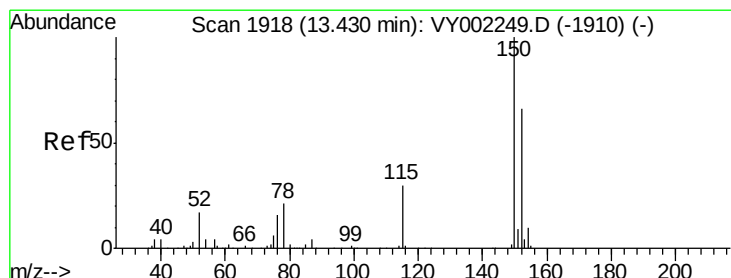
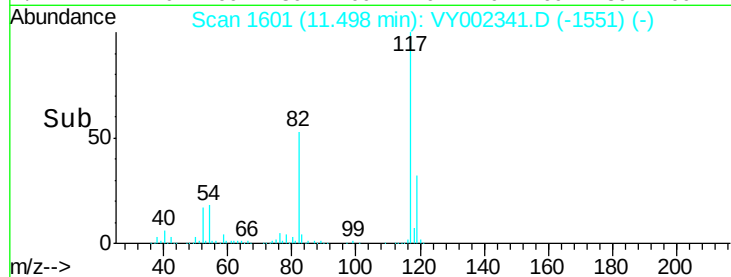
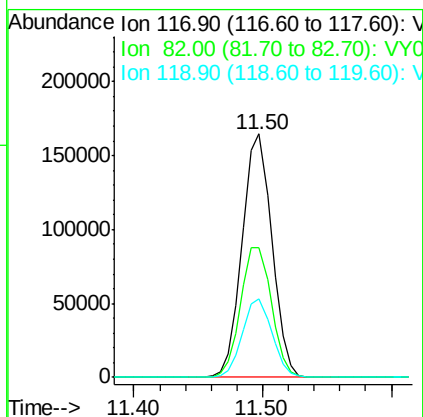
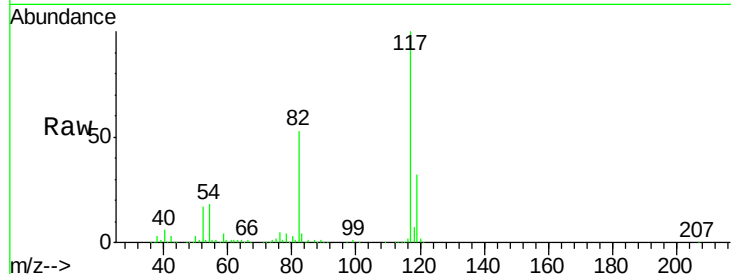




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VY002341.D  
Acq: 15 Apr 2020 16:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-27

Tot Ion:117 Resp: 262427  
Ion Ratio Lower Upper  
117 100  
82 53.5 44.2 66.4  
119 32.2 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: VY002341.D  
Acq: 15 Apr 2020 16:49

Tgt Ion:152 Resp: 100475  
Ion Ratio Lower Upper  
152 100  
115 59.5 30.7 92.1  
150 155.5 0.0 350.6

