

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\  
 Data File : VU034163.D  
 Acq On : 01 Sep 2019 13:00  
 Operator : JC/SP  
 Sample : PB122700TB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB122700TB

Quant Time: Sep 02 08:50:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 440194   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.87  | 114  | 716403   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 709805   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 340474   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 281674   | 49.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.88% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 232641   | 46.82 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.64% |          |
| 50) Toluene-d8              | 7.55  | 98   | 926206   | 49.78 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 326102   | 45.06 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.12% |          |

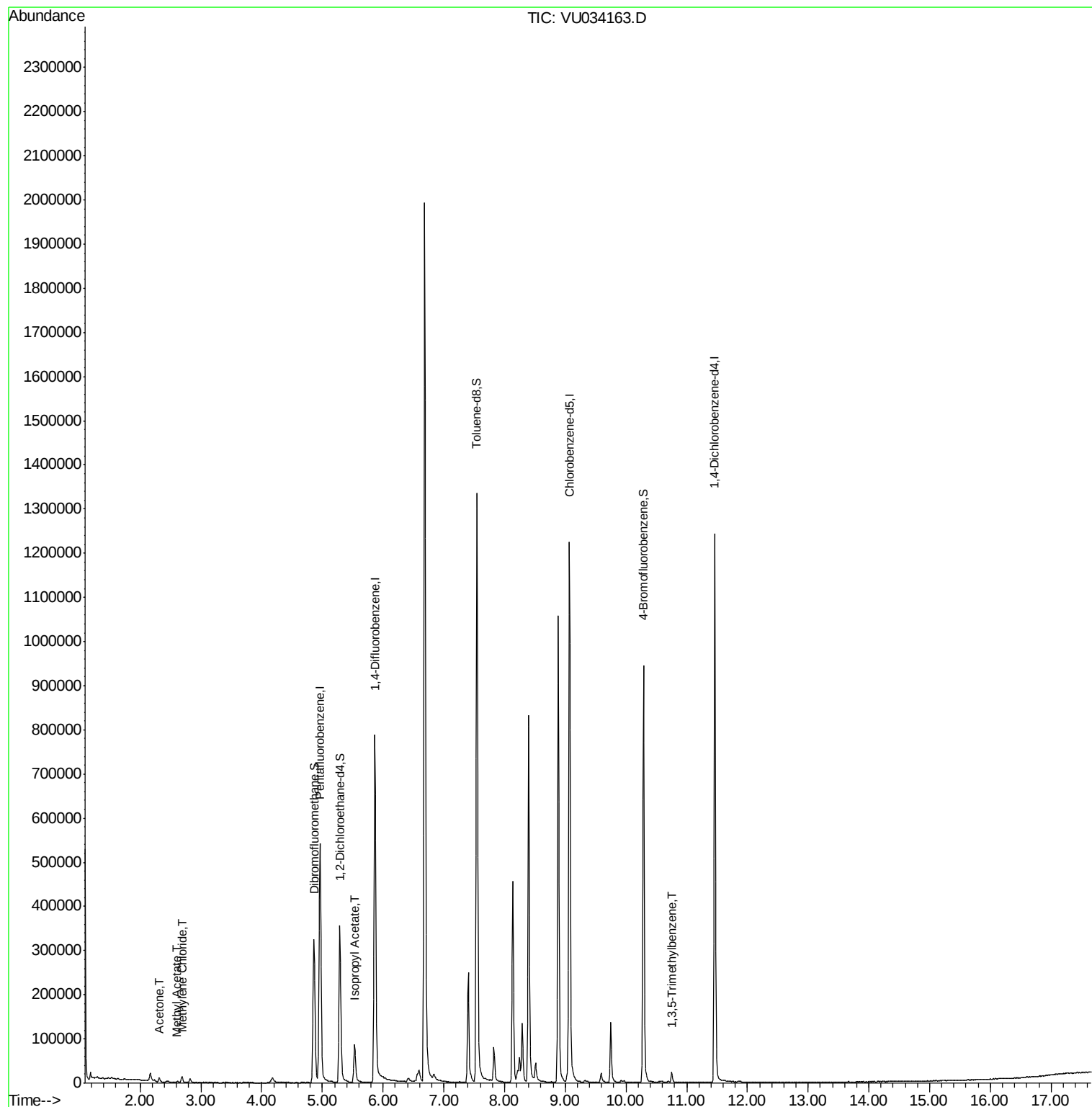
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 2.31  | 43   | 11844    | 4.115 | ug/l  | 99     |
| 18) Methyl Acetate         | 2.61  | 43   | 4396     | 0.591 | ug/l  | 95     |
| 20) Methylene Chloride     | 2.69  | 84   | 6024     | 1.106 | ug/l  | 94     |
| 43) Isopropyl Acetate      | 5.53  | 43   | 101432   | 8.786 | ug/l  | 99     |
| 80) 1,3,5-Trimethylbenzene | 10.76 | 105  | 12508    | 0.645 | ug/l  | 99     |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

Instrument :

MSVOA\_U

ClientSampleId :

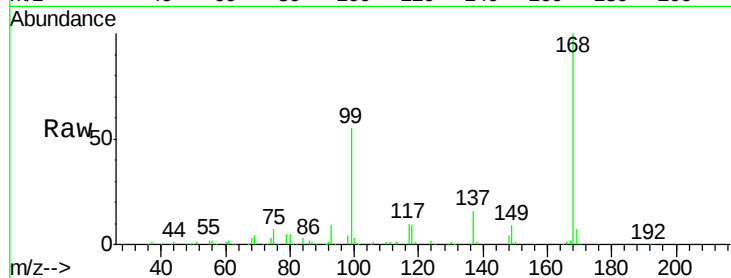
PB122700TB

Tot Ion:168 Resp: 440194

Ion Ratio Lower Upper

168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

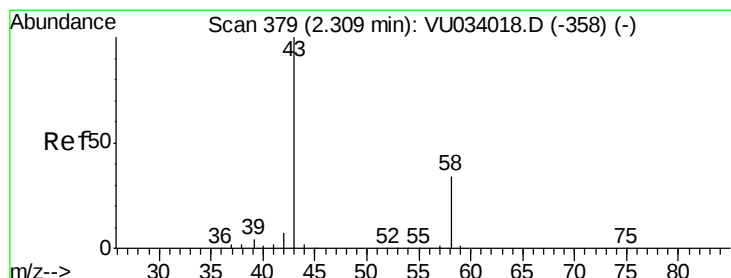
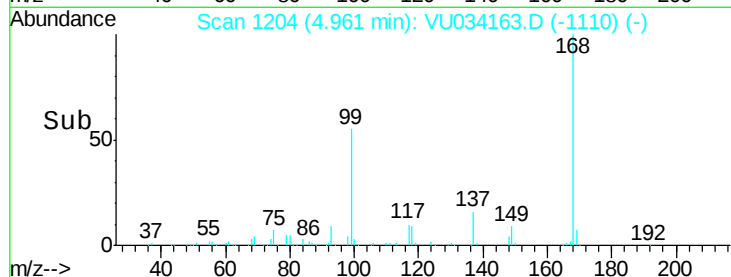
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 4.115 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034163.D

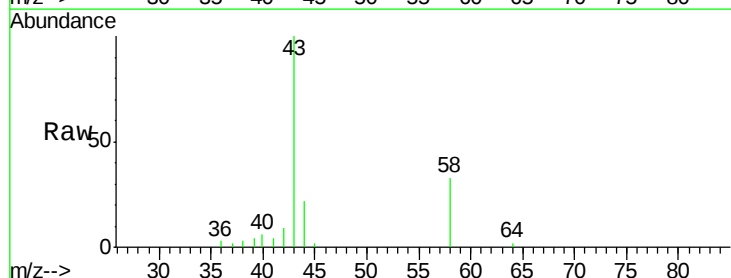
Acq: 01 Sep 2019 13:00

Tgt Ion: 43 Resp: 11844

Ion Ratio Lower Upper

43 100

58 33.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)

2.31

6000

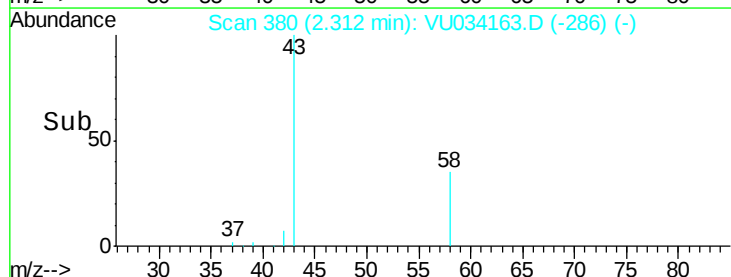
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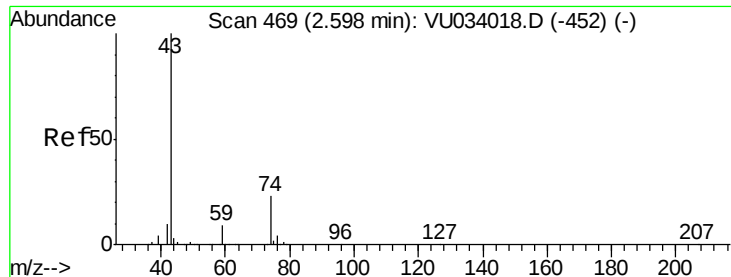
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0

2.25 2.30 2.35

Time-->

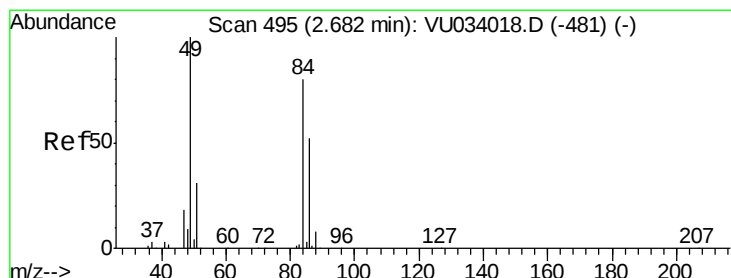
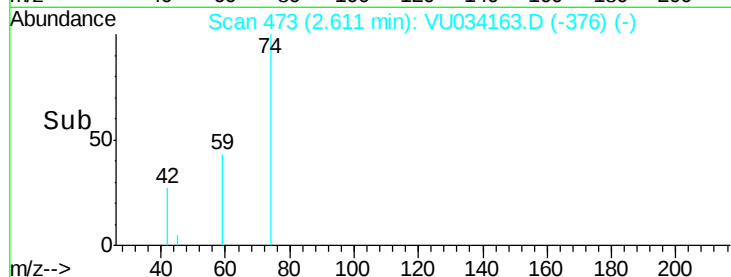
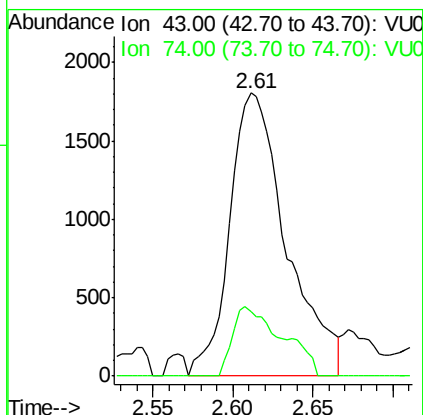
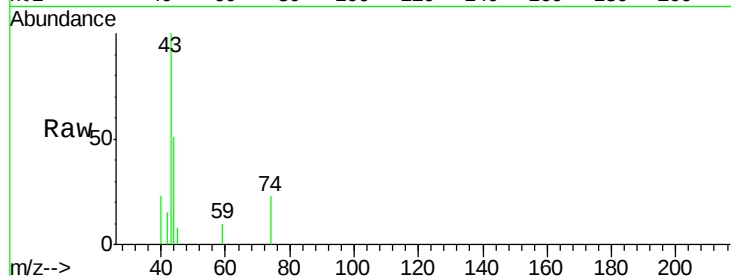




#18  
Methyl Acetate  
Concen: 0.591 ug/l  
RT: 2.61 min Scan# 473  
Delta R.T. 0.01 min  
Lab File: VU034163.D  
Acq: 01 Sep 2019 13:00

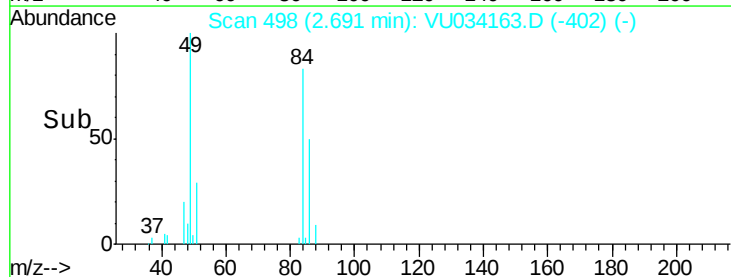
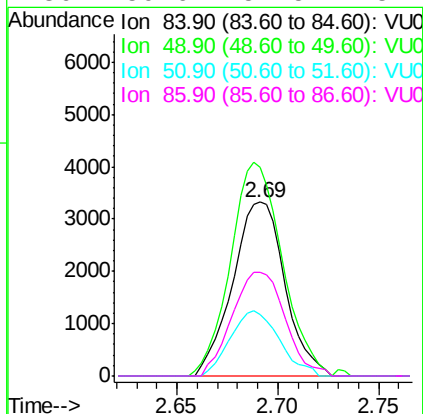
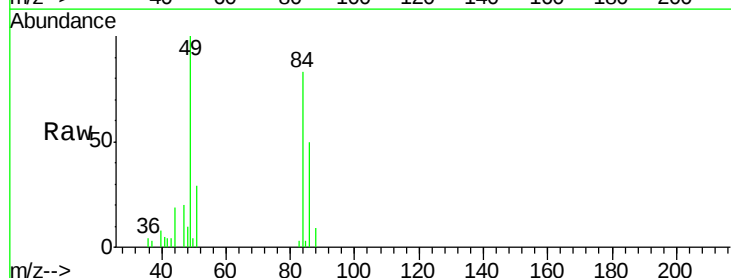
Instrument :  
MSVOA\_U  
ClientSampleId :  
PB122700TB

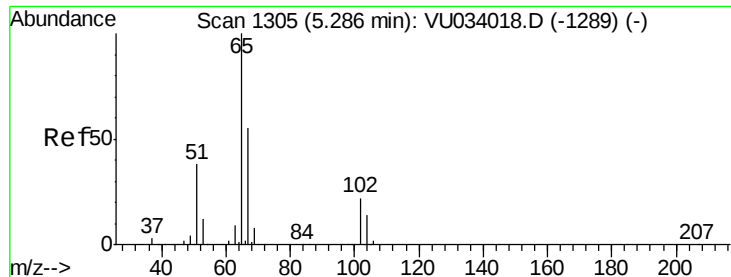
Tot Ion: 43 Resp: 4396  
Ion Ratio Lower Upper  
43 100  
74 21.5 19.2 28.8



#20  
Methylene Chloride  
Concen: 1.106 ug/l  
RT: 2.69 min Scan# 498  
Delta R.T. 0.01 min  
Lab File: VU034163.D  
Acq: 01 Sep 2019 13:00

Tgt Ion: 84 Resp: 6024  
Ion Ratio Lower Upper  
84 100  
49 119.9 100.2 150.4  
51 35.4 30.8 46.2  
86 59.6 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 49.939 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

Instrument :

MSVOA\_U

ClientSampled :

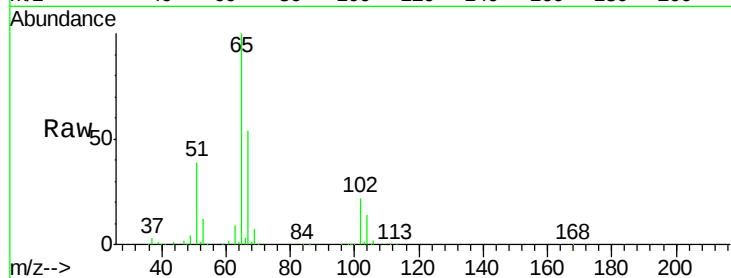
PB122700TB

Tot Ion: 65 Resp: 281674

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034163.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034163.D (-1212) (-)

5.29

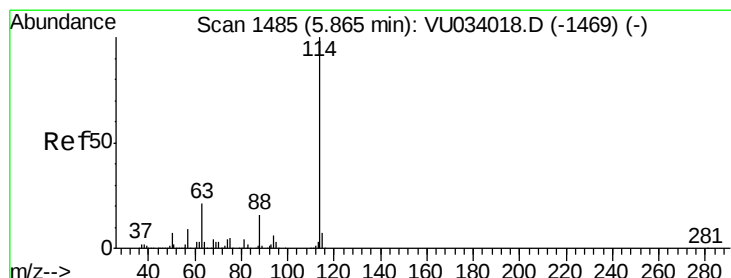
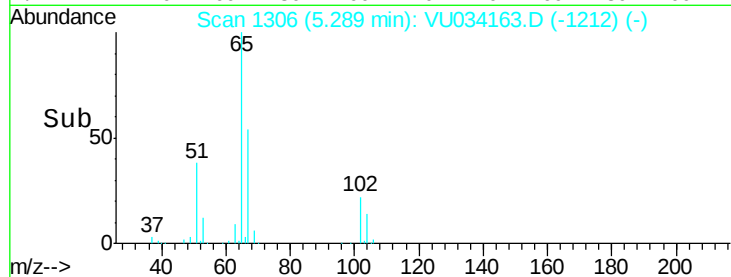
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

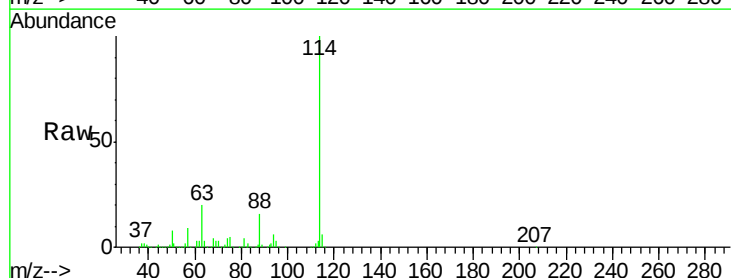
Tgt Ion: 114 Resp: 716403

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034163.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034163.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034163.D (-1392) (-)

5.87

400000

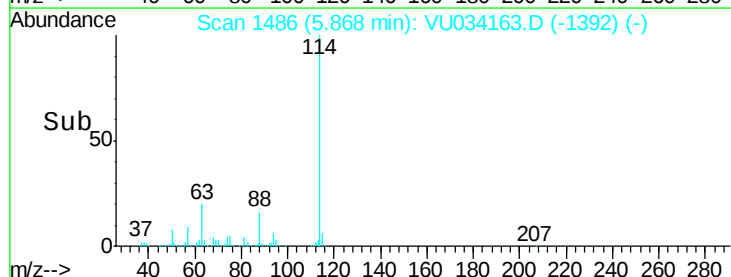
300000

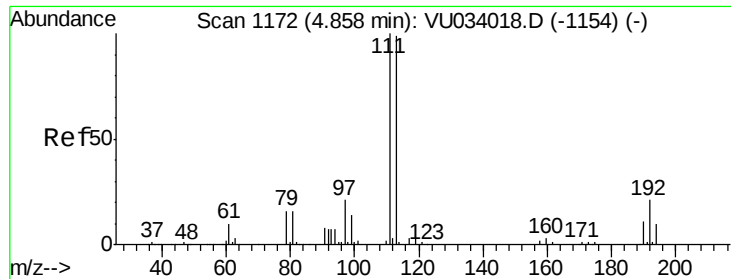
200000

100000

0

Time-->

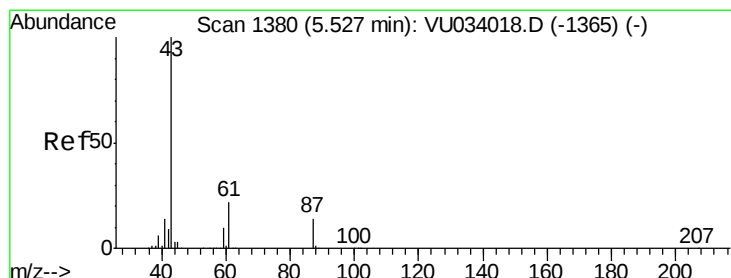
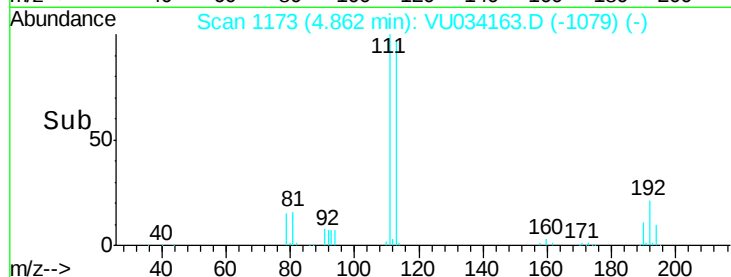
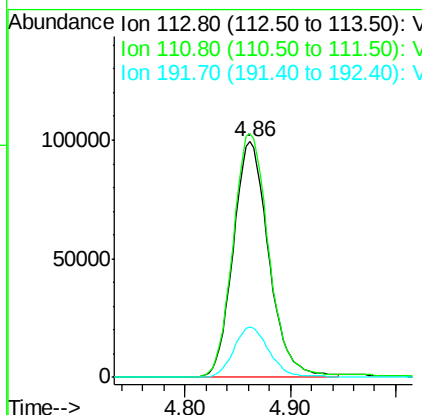
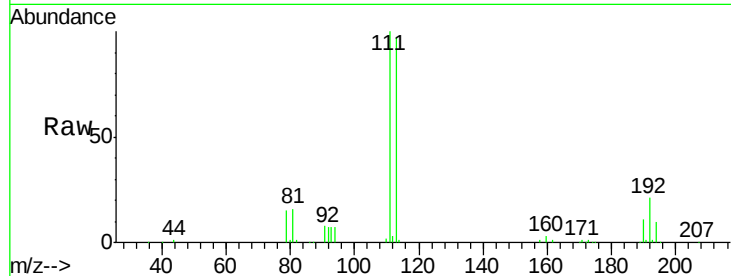




#35  
 Dibromofluoromethane  
 Concen: 46.819 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034163.D  
 Acq: 01 Sep 2019 13:00

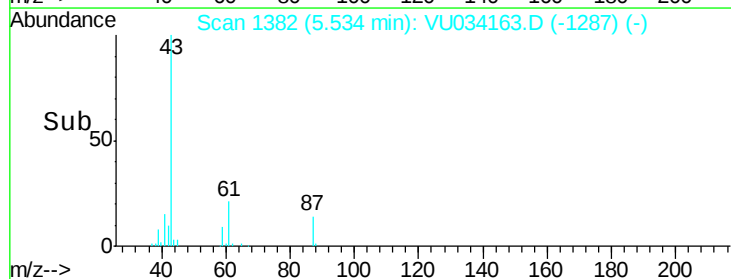
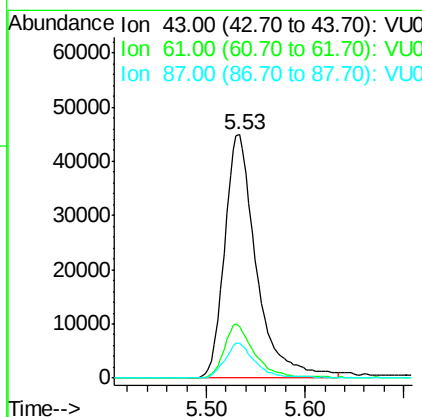
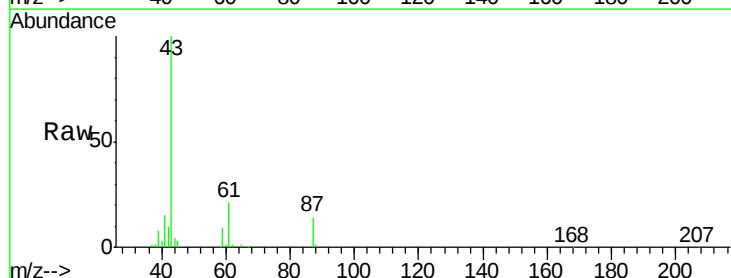
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 PB122700TB

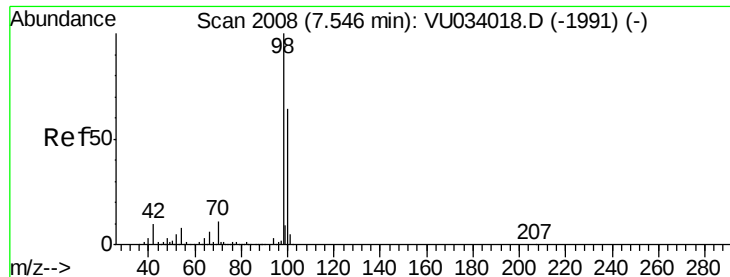
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.1 | 81.7  | 122.5 |
| 192     | 21.5  | 17.1  | 25.7  |



#43  
 Isopropyl Acetate  
 Concen: 8.786 ug/l  
 RT: 5.53 min Scan# 1382  
 Delta R.T. 0.01 min  
 Lab File: VU034163.D  
 Acq: 01 Sep 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.9  | 17.2  | 25.8  |
| 87      | 13.4  | 10.8  | 16.2  |





#50

Toluene-d8

Concen: 49.781 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

Instrument :

MSVOA\_U

ClientSampleId :

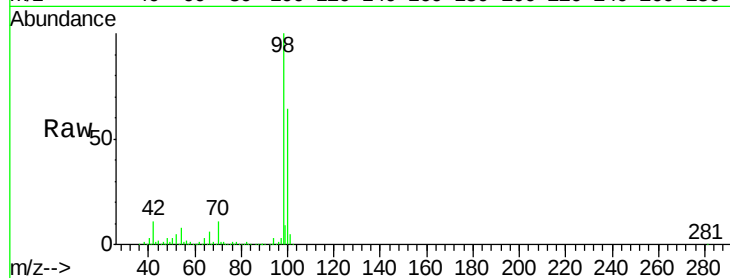
PB122700TB

Tot Ion: 98 Resp: 926206

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034018.D (-1991) (-)

Ion 100.00 (99.70 to 100.70): VU034018.D (-1991) (-)

7.55

600000

500000

400000

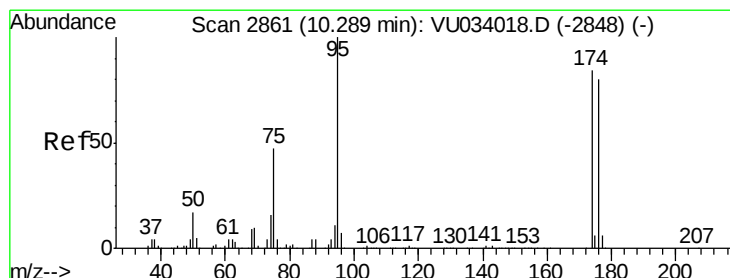
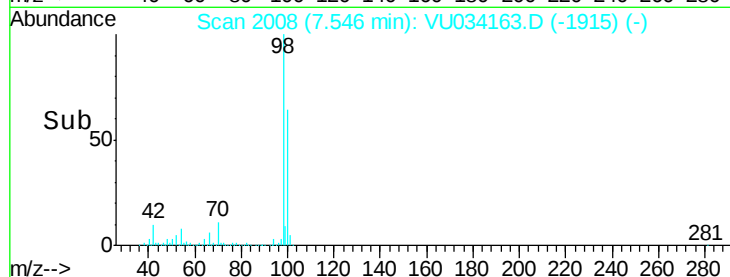
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

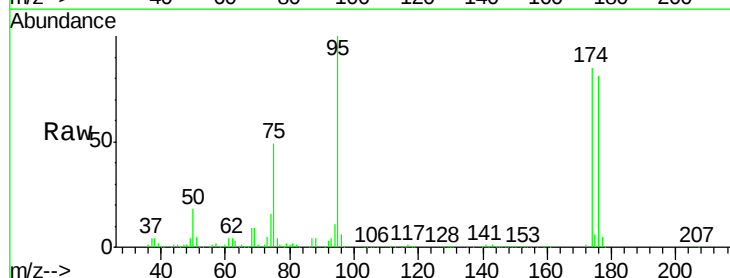
Tgt Ion: 95 Resp: 326102

Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.8

176 81.0 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034018.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU034018.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU034018.D (-2848) (-)

250000

200000

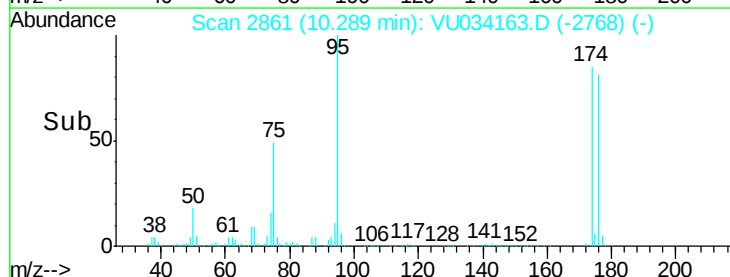
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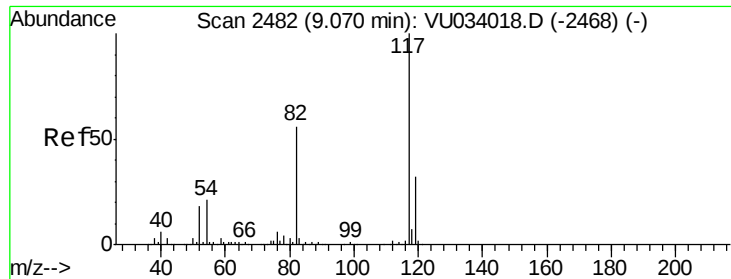
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50000

0

Time-->

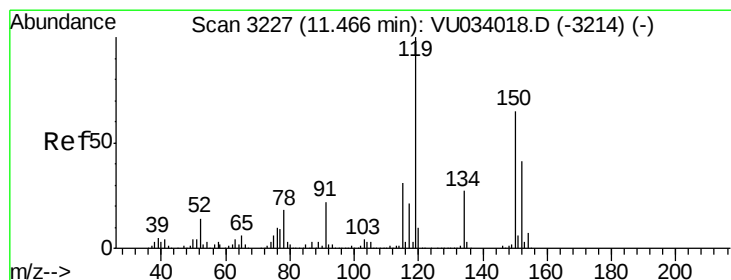
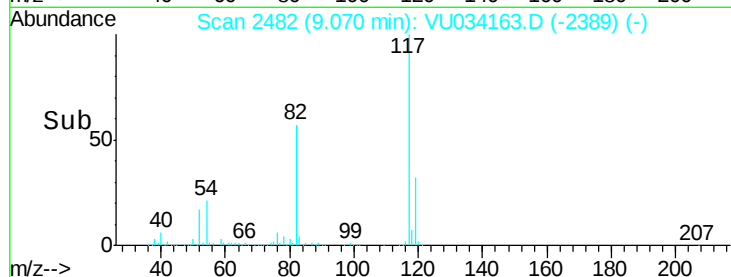
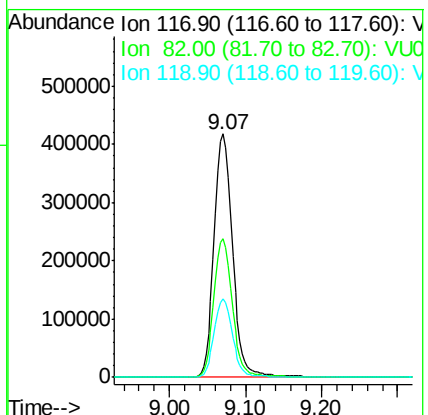
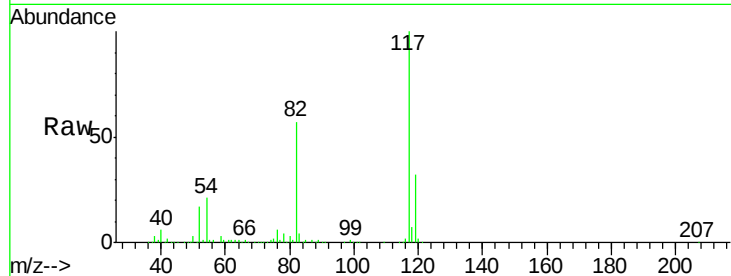




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034163.D  
Acq: 01 Sep 2019 13:00

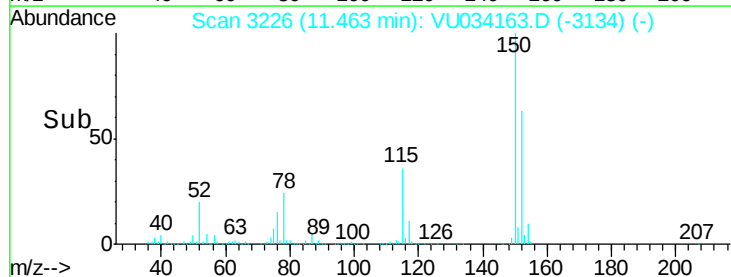
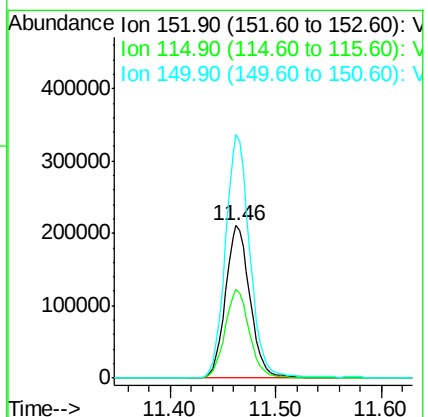
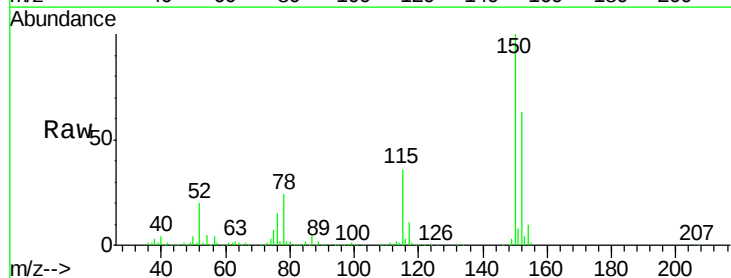
Instrument :  
MSVOA\_U  
ClientSampleId :  
PB122700TB

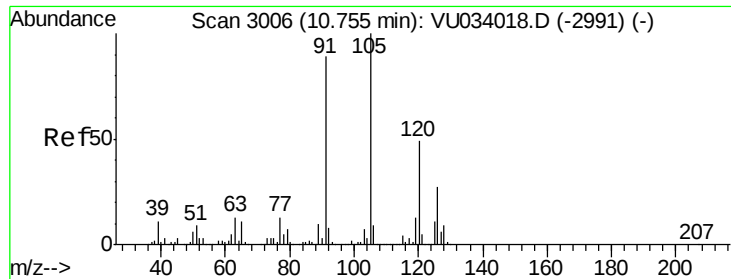
Tot Ion:117 Resp: 709805  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.1 67.7  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VU034163.D  
Acq: 01 Sep 2019 13:00

Tgt Ion:152 Resp: 340474  
Ion Ratio Lower Upper  
152 100  
115 57.7 41.1 123.3  
150 157.9 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 0.645 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034163.D

Acq: 01 Sep 2019 13:00

Instrument :

MSVOA\_U

ClientSampleId :

PB122700TB

Tot Ion:105 Resp: 12508

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.6

