

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\  
 Data File : VU034436.D  
 Acq On : 10 Sep 2019 09:23  
 Operator : JC/SP  
 Sample : VU0910WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0910WBL01

Quant Time: Sep 11 06:20:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 233994   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 341221   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 340695   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 196241   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.29   | 65  | 195898   | 55.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.66% |      |
| 35) Dibromofluoromethane    | 4.86   | 113 | 173993   | 54.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.60% |      |
| 50) Toluene-d8              | 7.54   | 98  | 598426   | 50.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.34% |      |
| 62) 4-Bromofluorobenzene    | 10.29  | 95  | 206106   | 44.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.50%  |      |

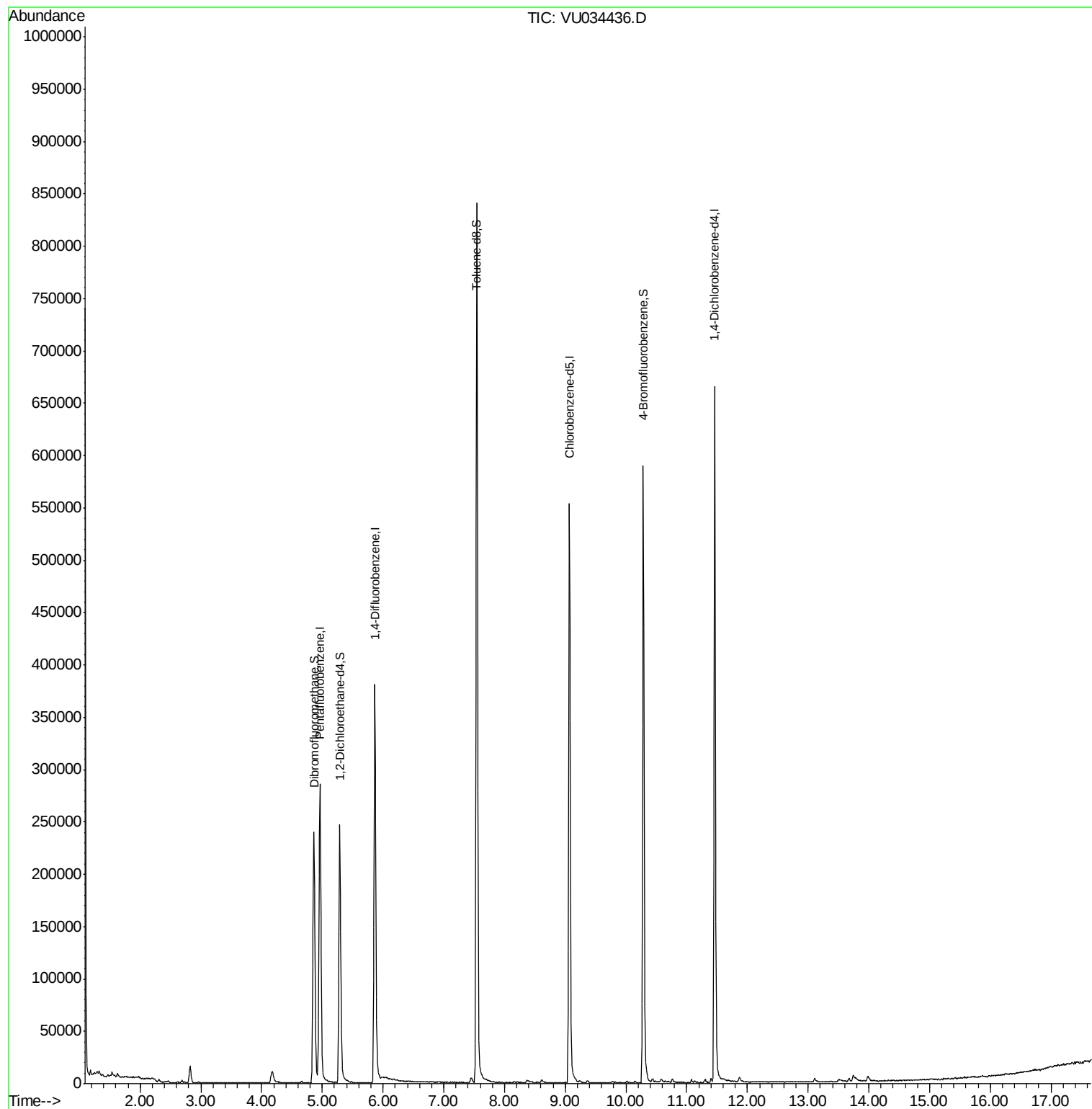
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

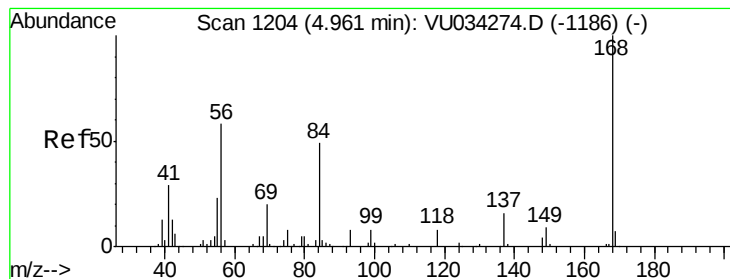
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VU0910WBL01

Quant Time: Sep 11 06:20:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 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: VU034436.D

Acq: 10 Sep 2019 09:23

Instrument :

MSVOA\_U

ClientSampleId :

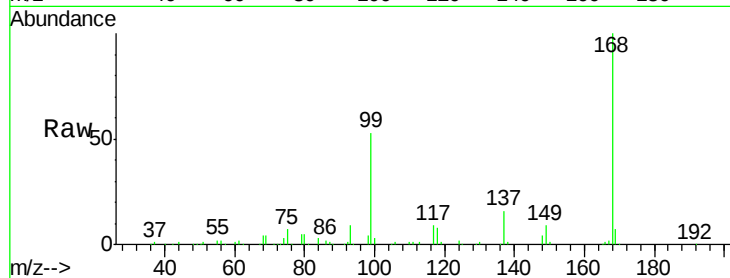
VU0910WBL01

Tot Ion:168 Resp: 233994

Ion Ratio Lower Upper

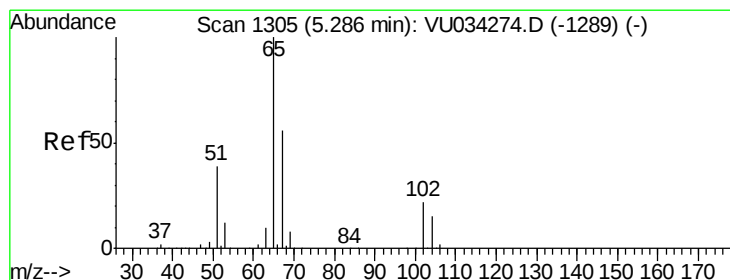
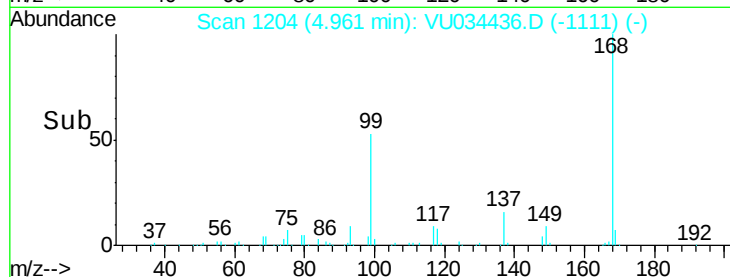
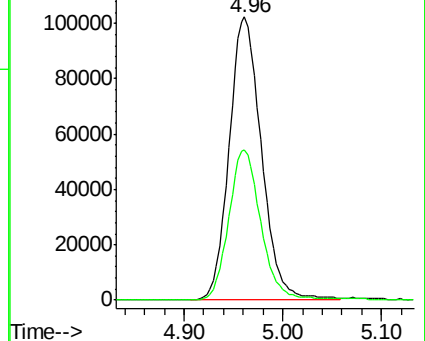
168 100

99 53.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.332 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034436.D

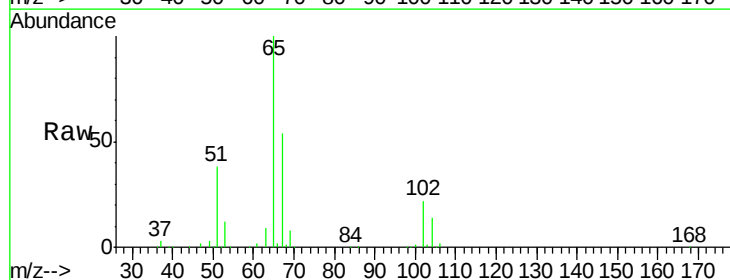
Acq: 10 Sep 2019 09:23

Tgt Ion: 65 Resp: 195898

Ion Ratio Lower Upper

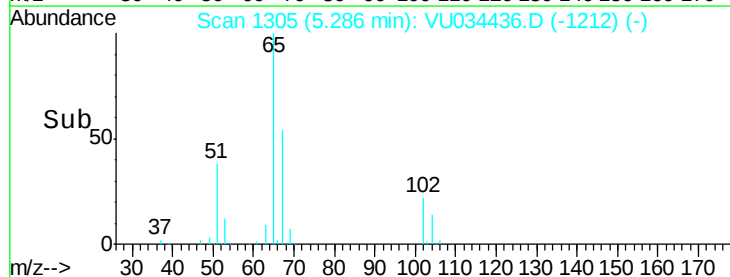
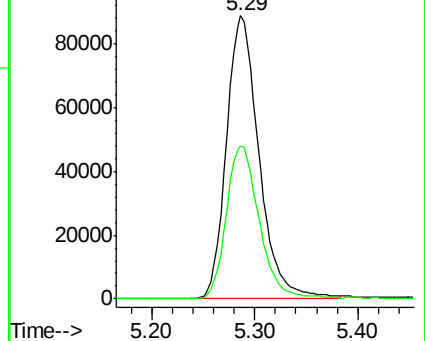
65 100

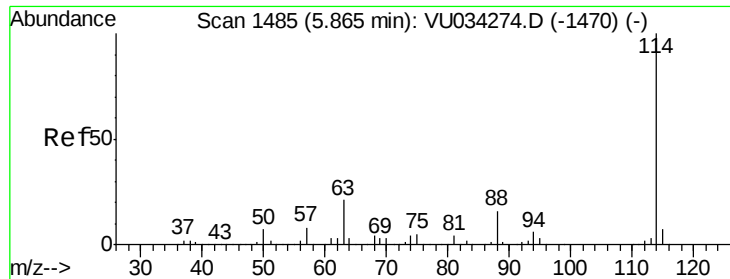
67 54.7 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034274.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034274.D (-1289) (-)

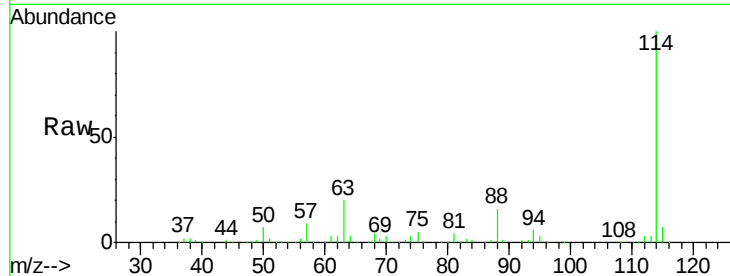




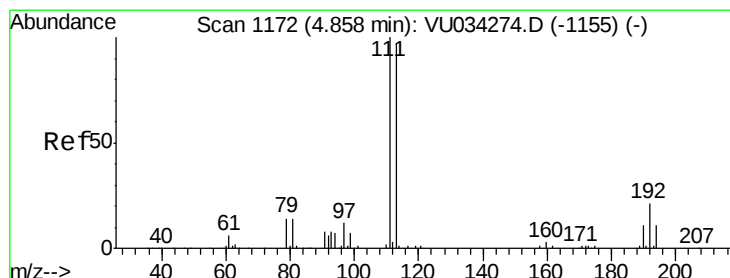
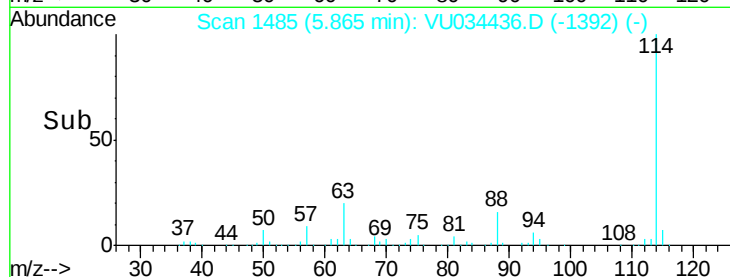
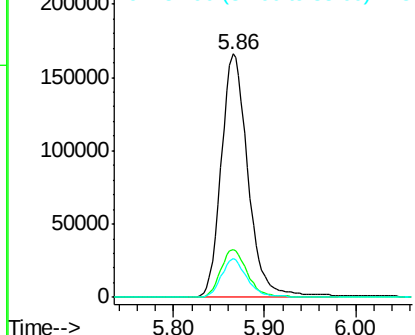
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VU034436.D  
 Acq: 10 Sep 2019 09:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0910WBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 0.0   | 42.4  |
| 88      | 16.0  | 0.0   | 32.4  |

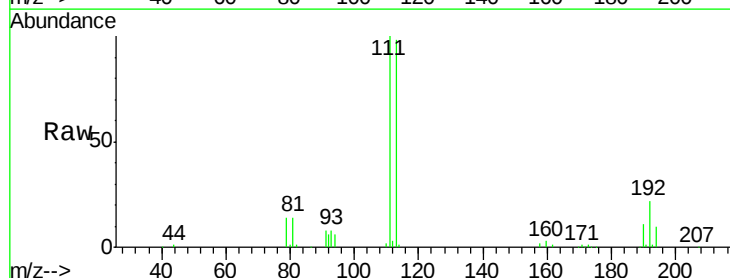


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

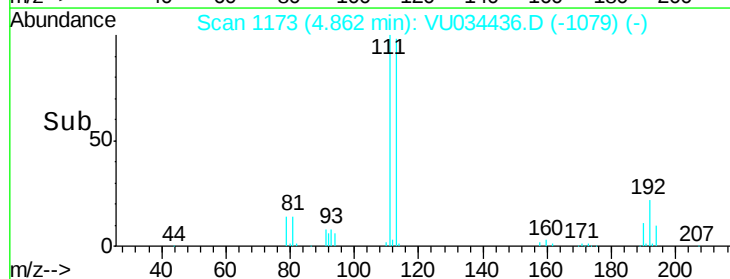
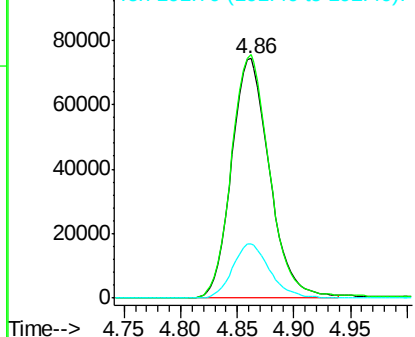


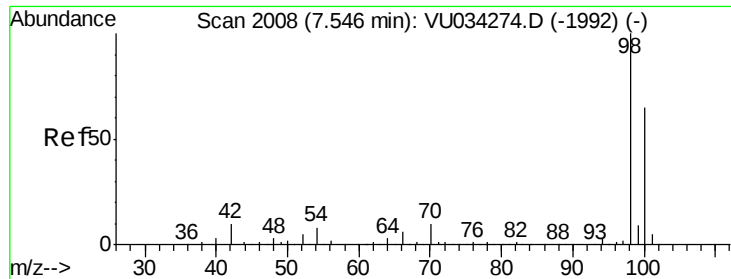
#35  
 Dibromofluoromethane  
 Concen: 54.800 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034436.D  
 Acq: 10 Sep 2019 09:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.5  | 122.3 |
| 192     | 22.2  | 17.8  | 26.8  |



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

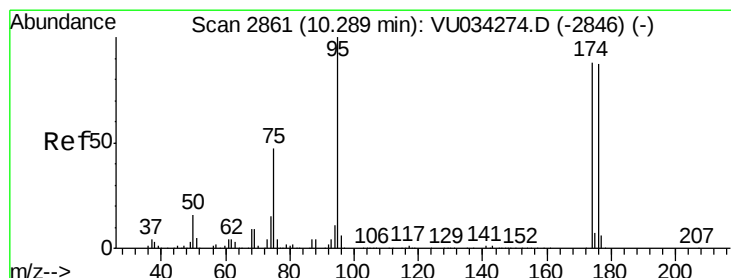
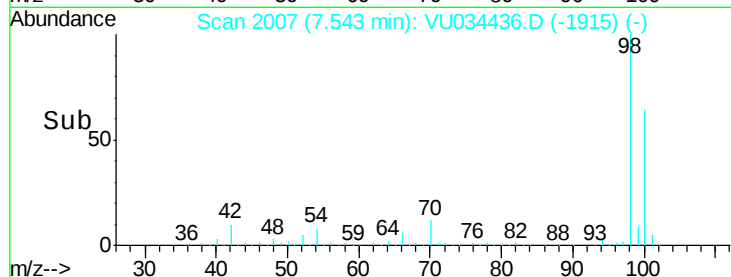
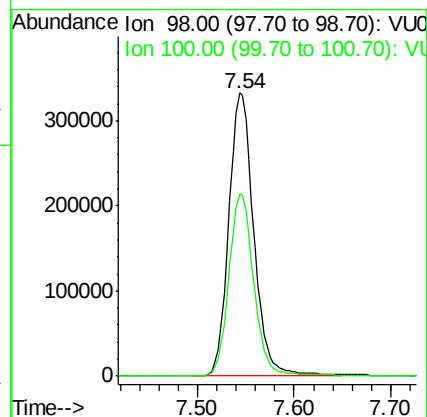
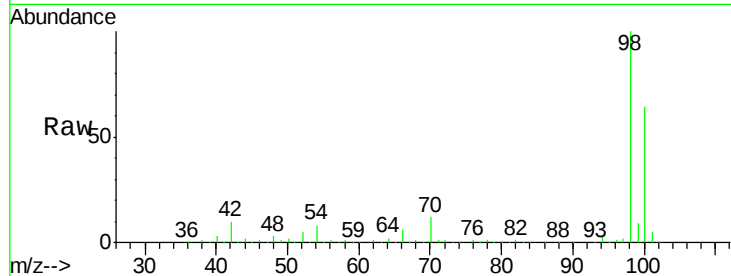




#50  
Toluene-d8  
Concen: 50.166 ug/l  
RT: 7.54 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VU034436.D  
Acq: 10 Sep 2019 09:23

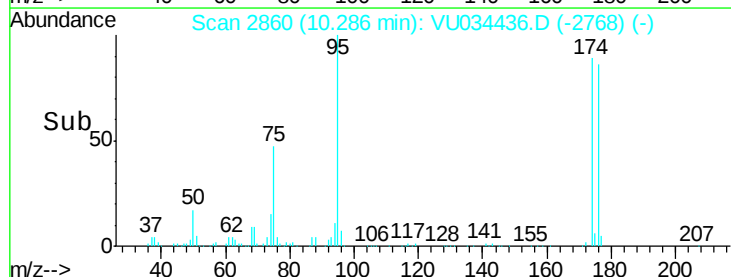
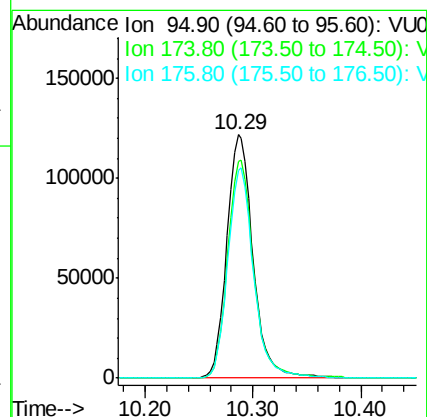
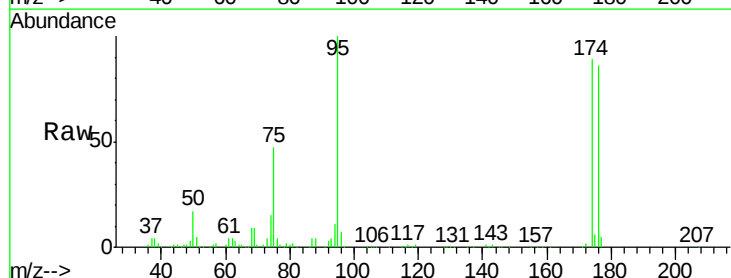
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MSVOA\_U  
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VU0910WBL01

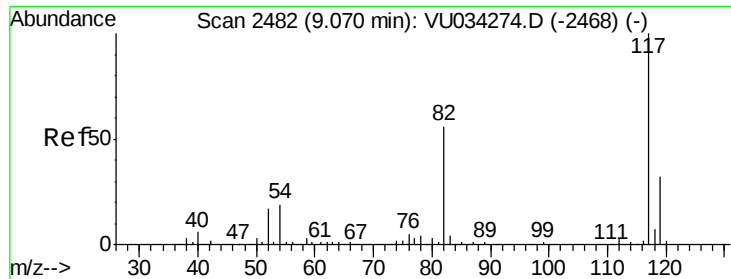
Tot Ion: 98 Resp: 598426  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 44.751 ug/l  
RT: 10.29 min Scan# 2860  
Delta R.T. -0.00 min  
Lab File: VU034436.D  
Acq: 10 Sep 2019 09:23

Tgt Ion: 95 Resp: 206106  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 175.2  
176 85.9 0.0 168.0

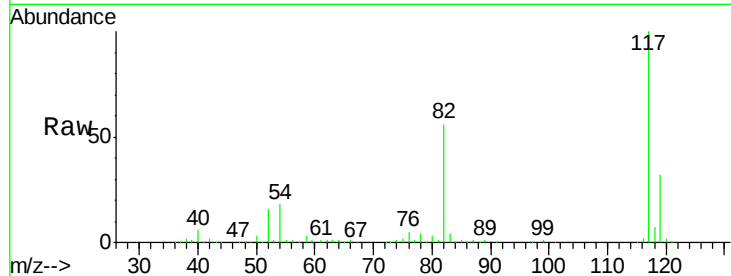




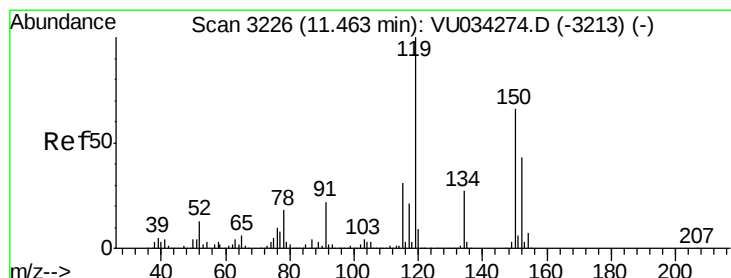
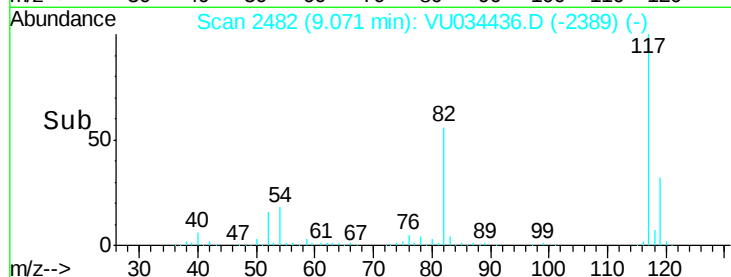
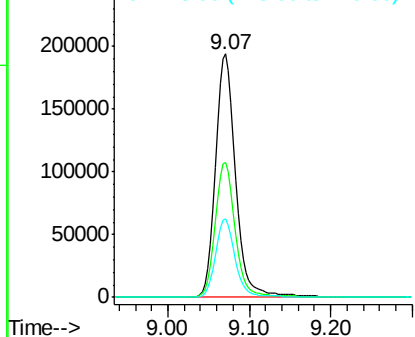
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034436.D  
Acq: 10 Sep 2019 09:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0910WBL01

Tot Ion:117 Resp: 340695  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.6 67.0  
119 32.0 25.9 38.9

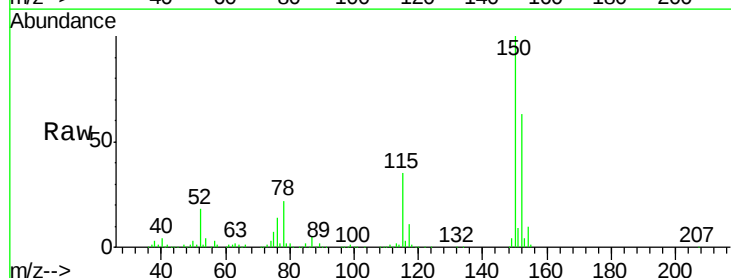


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.46 min Scan# 3226  
Delta R.T. 0.00 min  
Lab File: VU034436.D  
Acq: 10 Sep 2019 09:23

Tgt Ion:152 Resp: 196241  
Ion Ratio Lower Upper  
152 100  
115 55.3 39.1 117.3  
150 155.8 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

