

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\  
 Data File : VU027930.D  
 Acq On : 02 Nov 2018 16:48  
 Operator : MD/SY  
 Sample : J5759-20  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-5

Quant Time: Nov 03 05:47:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

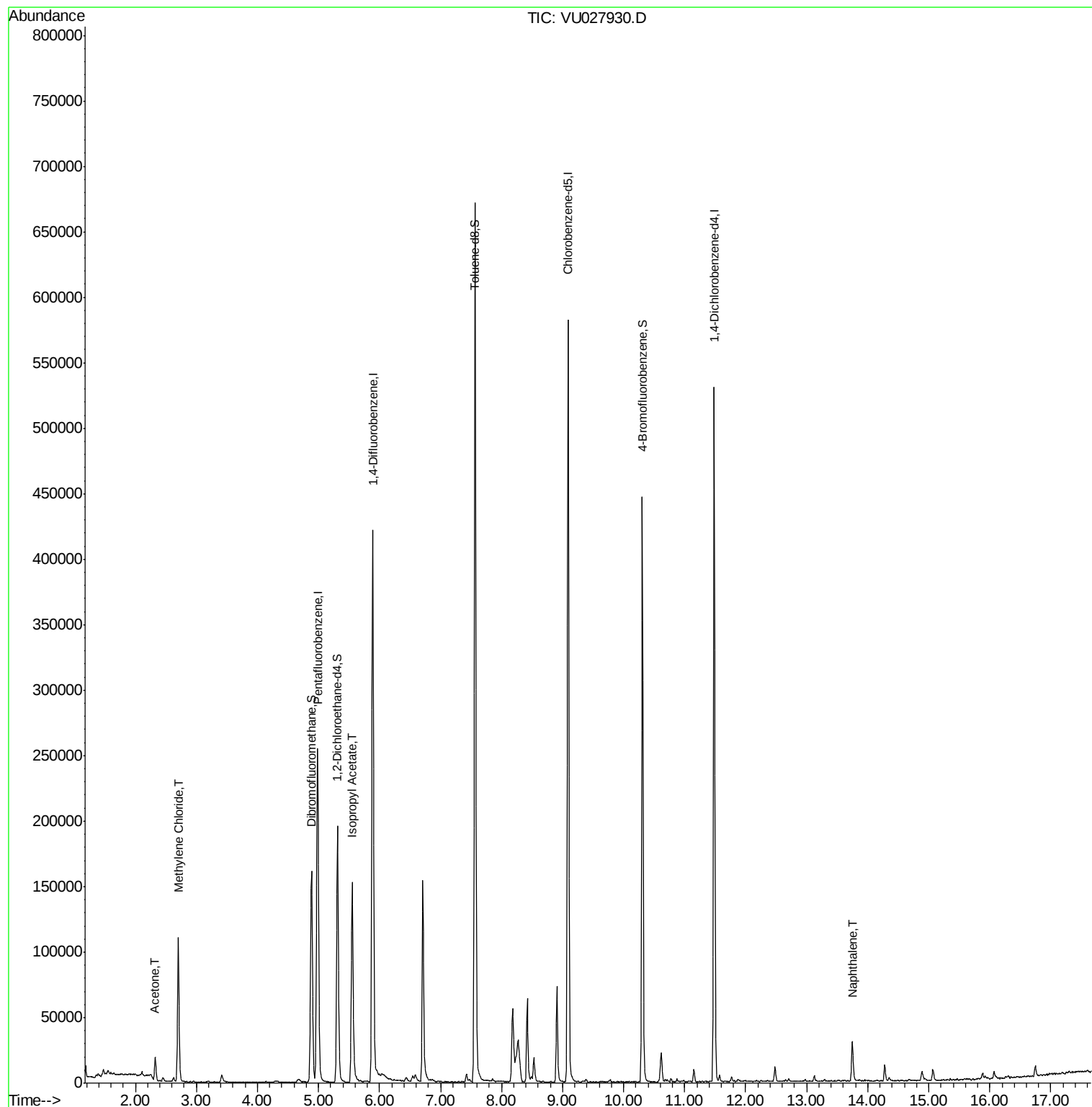
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 194298   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 345461   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 303992   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 130220   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 148665   | 51.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.92% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 110398   | 50.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.36% |          |
| 50) Toluene-d8              | 7.57  | 98   | 445061   | 52.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.78% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 145677   | 46.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 18596    | 10.376 | ug/l    | 94       |
| 20) Methylene Chloride      | 2.70  | 84   | 44873    | 17.148 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 5.55  | 43   | 185398   | 22.322 | ug/l    | 99       |
| 95) Naphthalene             | 13.75 | 128  | 28584    | 2.504  | ug/l    | 98       |

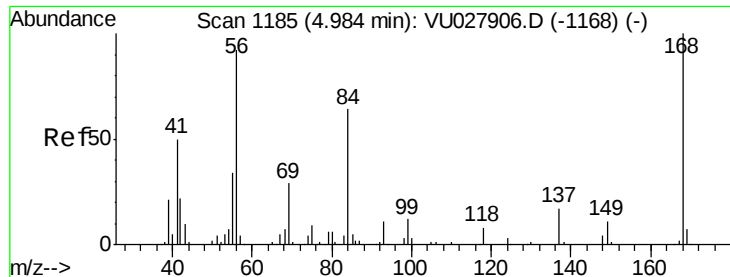
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110218\  
Data File : VU027930.D  
Acq On : 02 Nov 2018 16:48  
Operator : MD/SY  
Sample : J5759-20  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-5

Quant Time: Nov 03 05:47:06 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027930.D

Acq: 02 Nov 2018 16:48

Instrument :

MSVOA\_U

ClientSampleId :

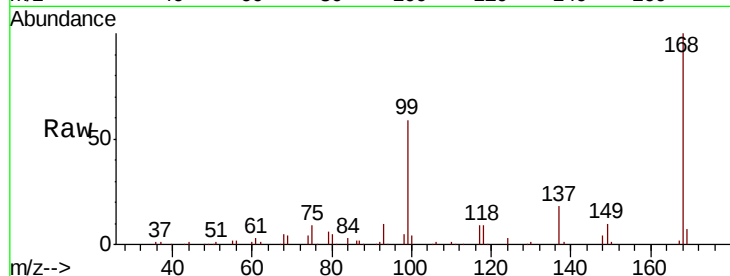
TP-5

Tot Ion:168 Resp: 194298

Ion Ratio Lower Upper

168 100

99 58.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

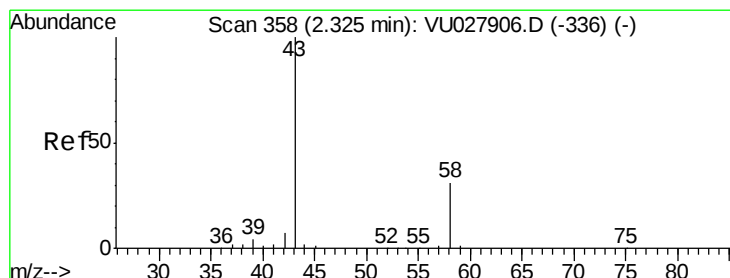
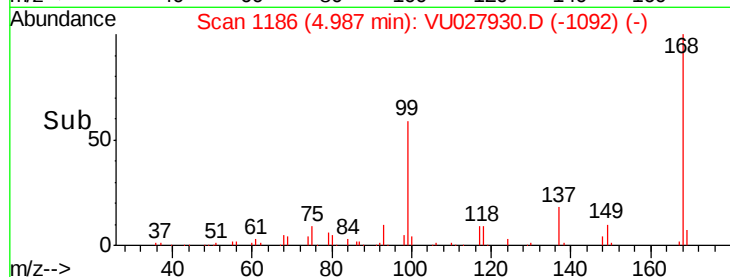
40000

20000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 10.376 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027930.D

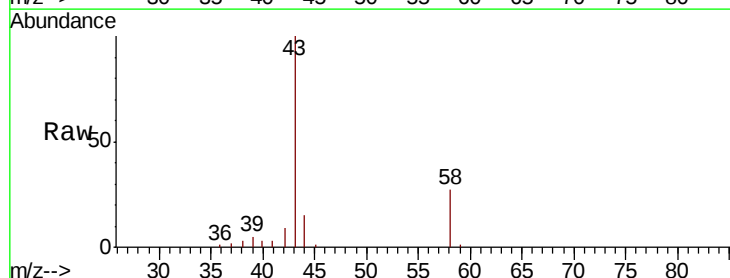
Acq: 02 Nov 2018 16:48

Tgt Ion: 43 Resp: 18596

Ion Ratio Lower Upper

43 100

58 27.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32

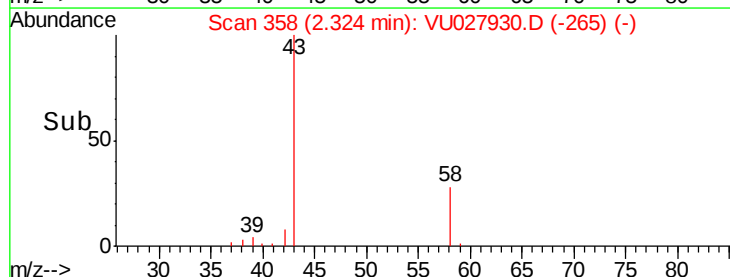
10000

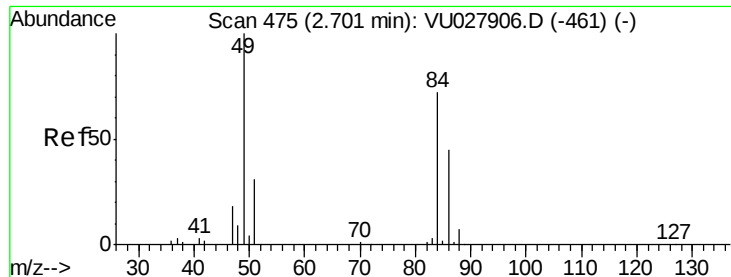
5000

0

2.25 2.30 2.35 2.40 2.45

Time-->

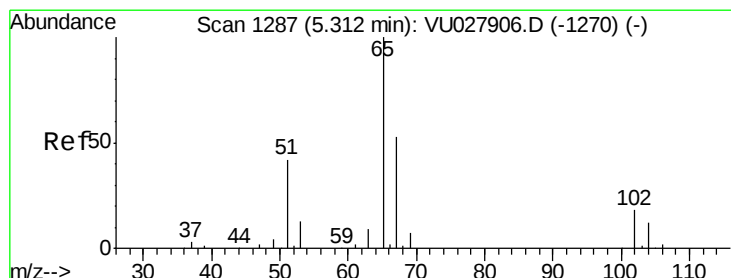
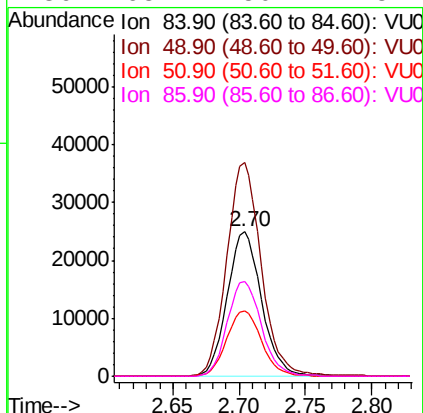
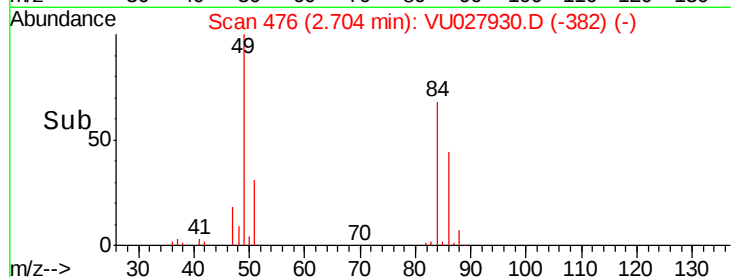
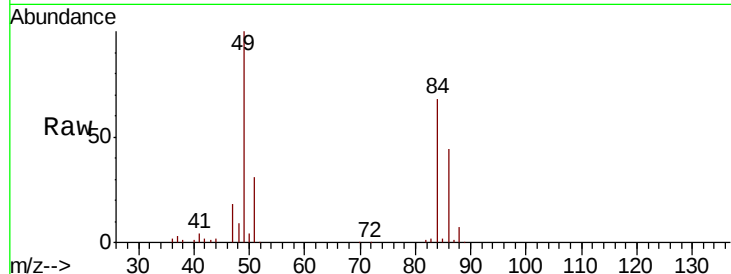




#20  
Methvlene Chloride  
Concen: 17.148 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

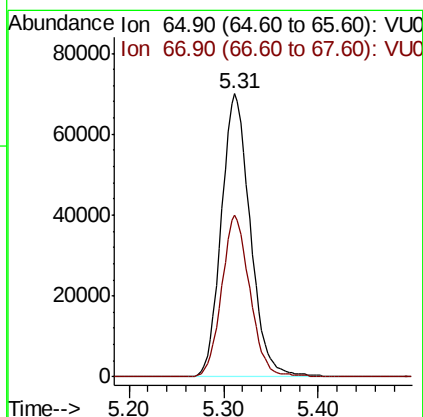
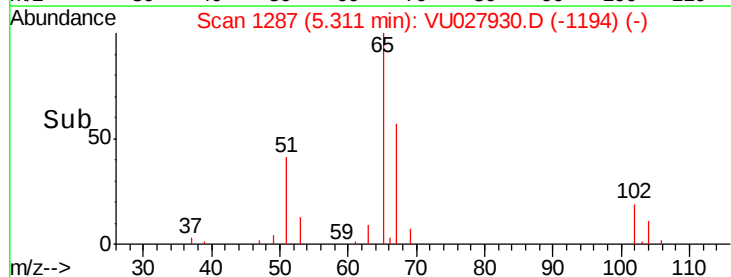
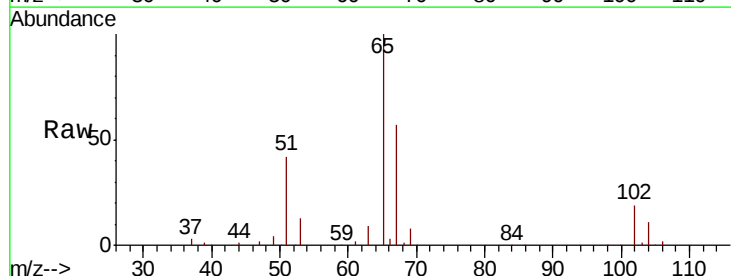
Instrument :  
MSVOA\_U  
ClientSampled :  
TP-5

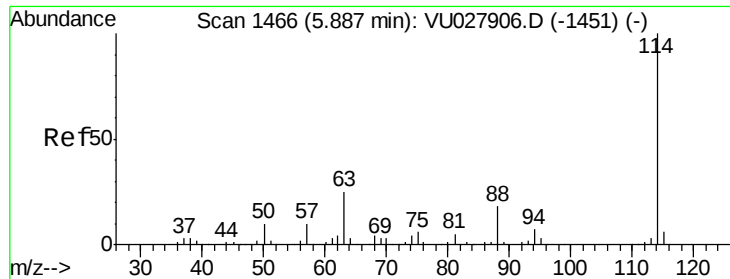
Tot Ion: 84 Resp: 44873  
Ion Ratio Lower Upper  
84 100  
49 147.8 111.6 167.4  
51 45.1 34.8 52.2  
86 65.1 50.1 75.1



#33  
1,2-Dichloroethane-d4  
Concen: 51.464 ug/l  
RT: 5.31 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

Tgt Ion: 65 Resp: 148665  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 109.0

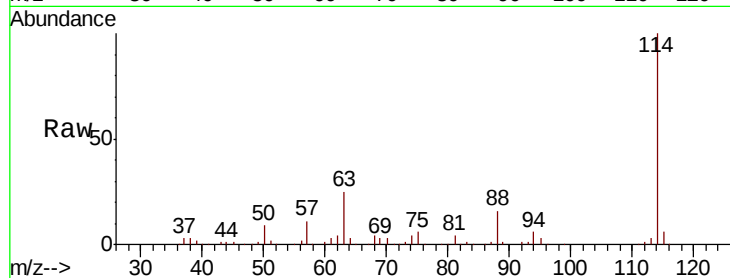




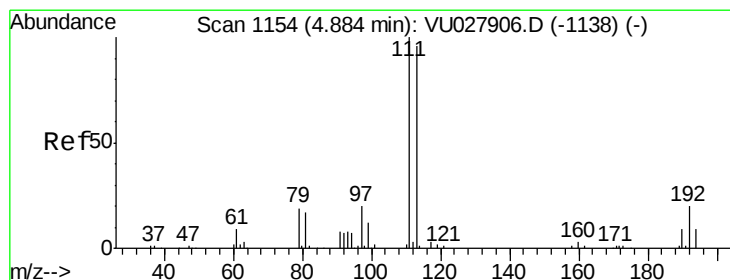
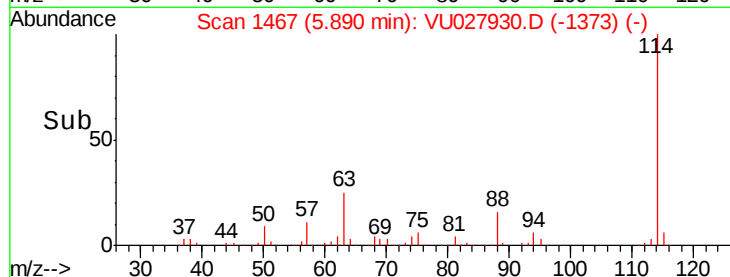
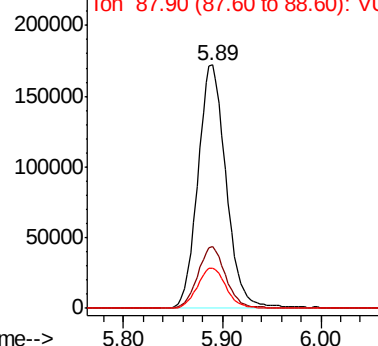
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027930.D  
 Acq: 02 Nov 2018 16:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TP-5

Tot Ion:114 Resp: 345461  
 Ion Ratio Lower Upper  
 114 100  
 63 25.2 0.0 50.8  
 88 16.4 0.0 35.8

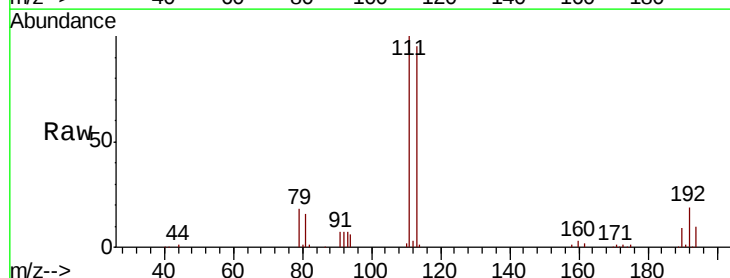


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

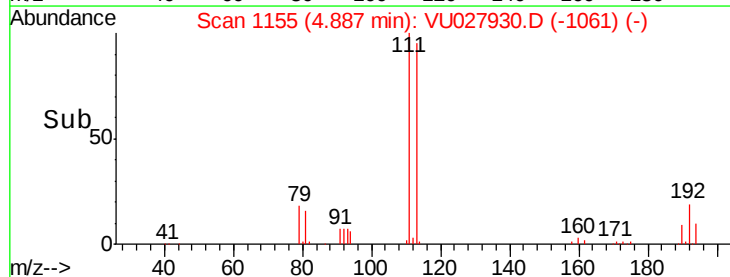
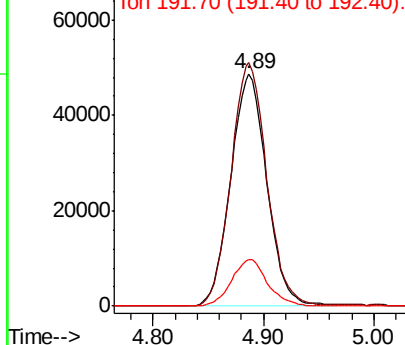


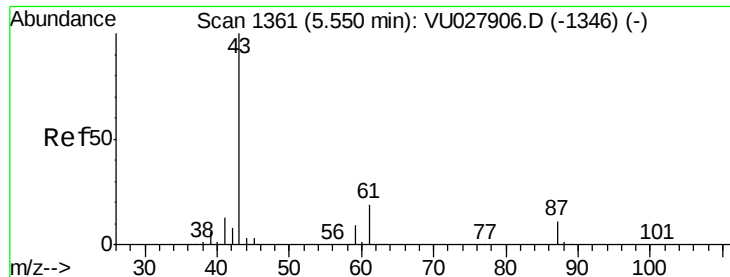
#35  
 Dibromofluoromethane  
 Concen: 50.683 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU027930.D  
 Acq: 02 Nov 2018 16:48

Tgt Ion:113 Resp: 110398  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 83.0 124.6  
 192 19.9 15.6 23.4



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





#43

Isopropyl Acetate

Concen: 22.322 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027930.D

Acq: 02 Nov 2018 16:48

Instrument :

MSVOA\_U

ClientSampled :

TP-5

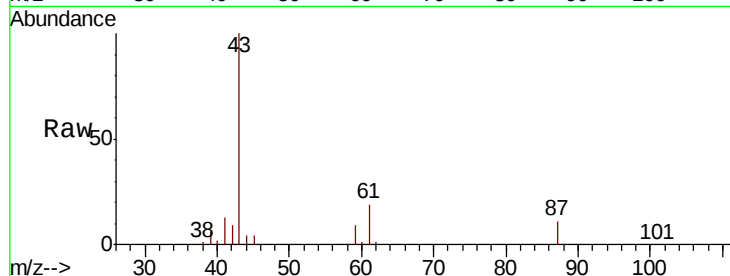
Tot Ion: 43 Resp: 185398

Ion Ratio Lower Upper

43 100

61 18.1 15.0 22.4

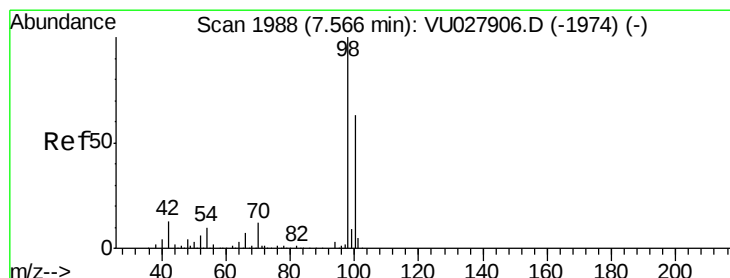
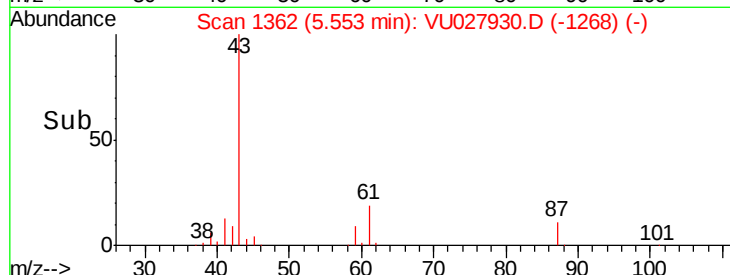
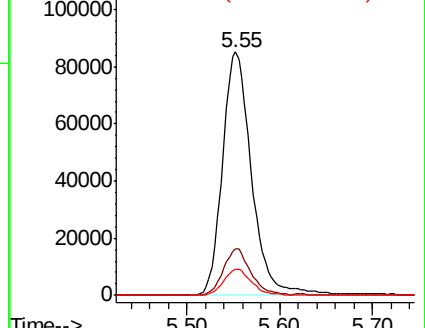
87 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 52.894 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027930.D

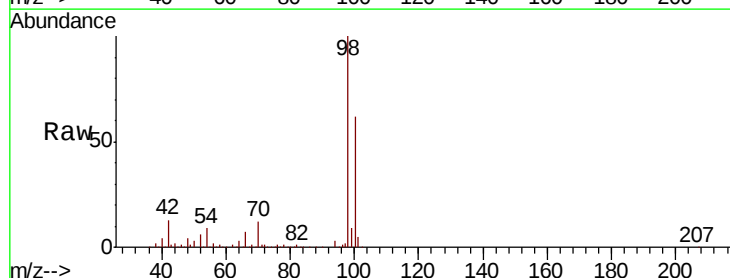
Acq: 02 Nov 2018 16:48

Tgt Ion: 98 Resp: 445061

Ion Ratio Lower Upper

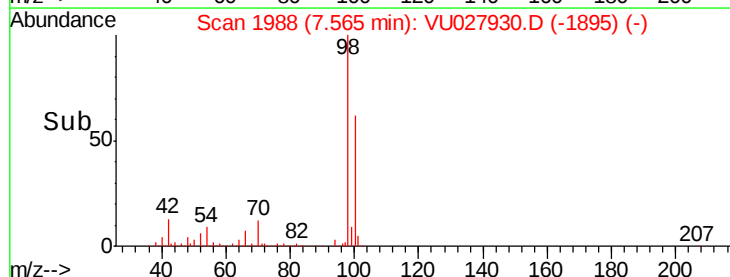
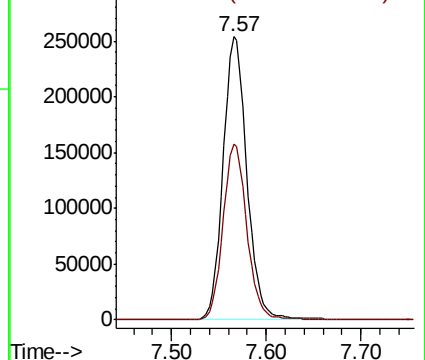
98 100

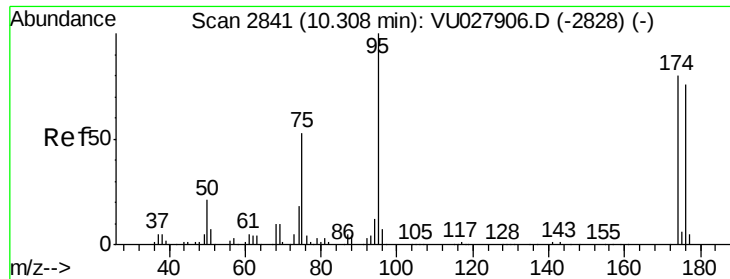
100 62.5 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

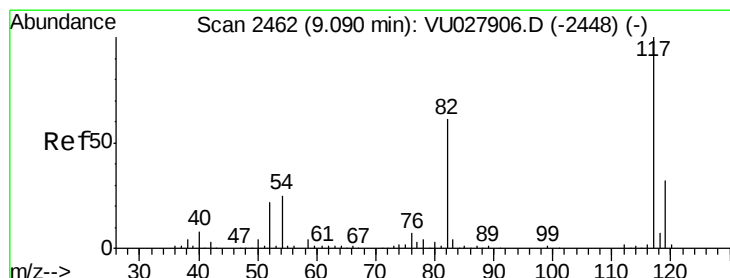
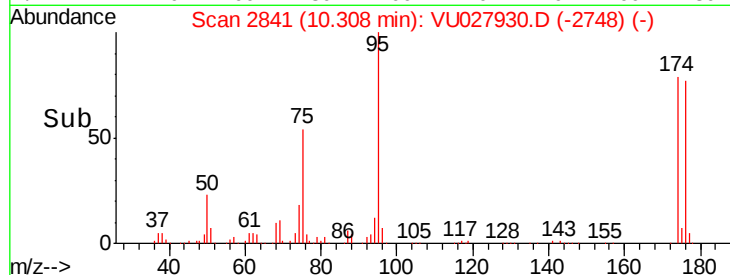
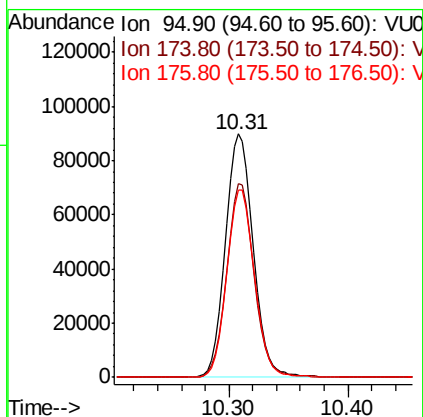
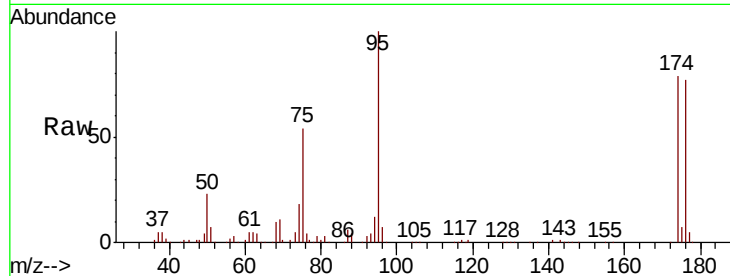




#62  
4-Bromofluorobenzene  
Concen: 46.939 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.00 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

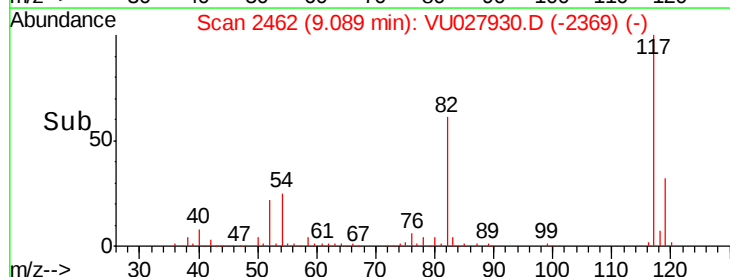
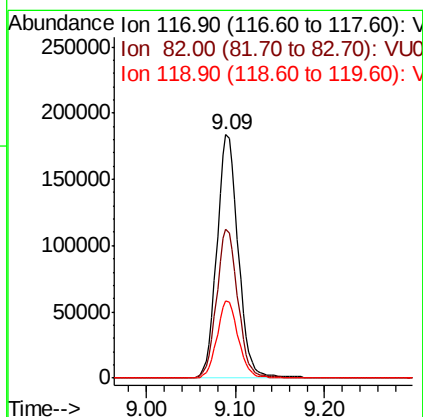
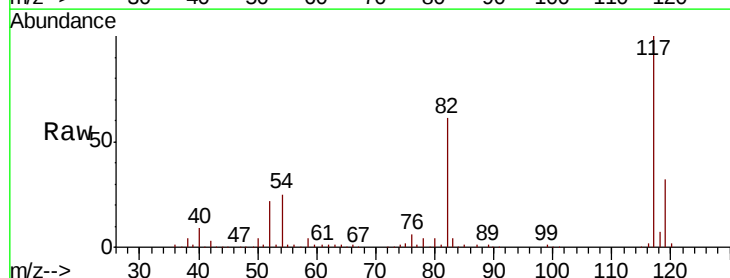
Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-5

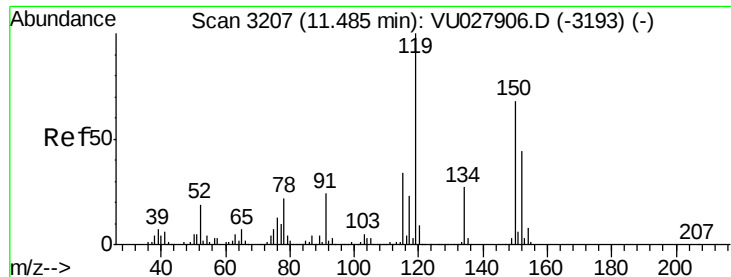
Tot Ion: 95 Resp: 145677  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 156.4  
176 76.9 0.0 150.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

Tgt Ion: 117 Resp: 303992  
Ion Ratio Lower Upper  
117 100  
82 61.4 48.6 73.0  
119 31.8 25.8 38.8



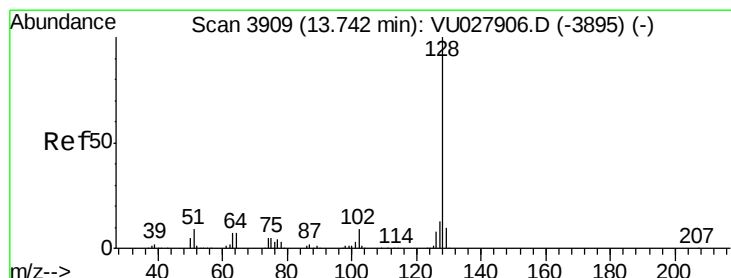
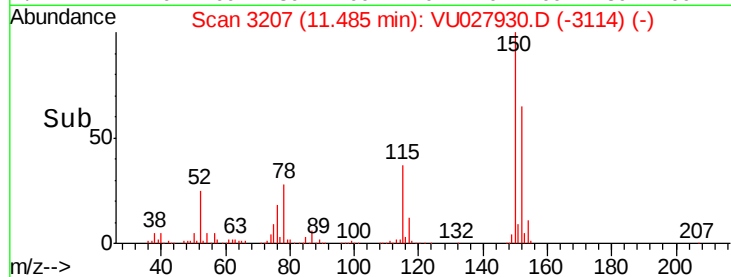
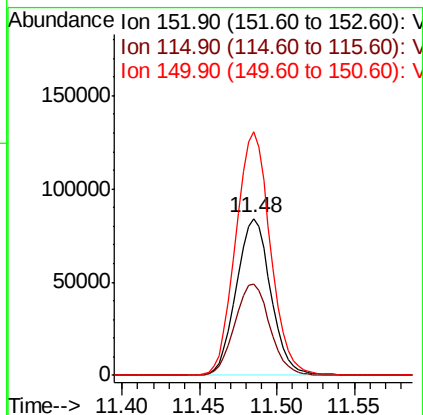
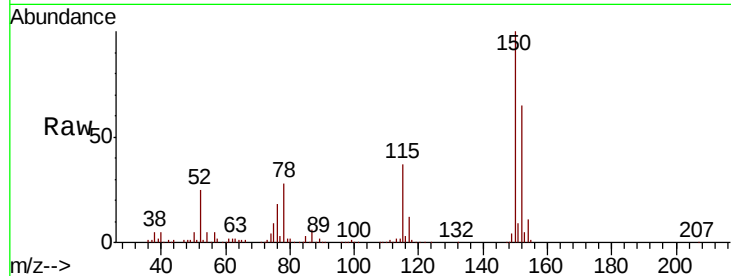


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
TP-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.8  | 43.0  | 129.0 |
| 150     | 156.4 | 0.0   | 349.4 |



#95

Naphthalene  
Concen: 2.504 ug/l  
RT: 13.75 min Scan# 3911  
Delta R.T. 0.01 min  
Lab File: VU027930.D  
Acq: 02 Nov 2018 16:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.4  | 15.6  |
| 129     | 9.4   | 8.3   | 12.5  |

