

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\  
 Data File : VU028098.D  
 Acq On : 13 Nov 2018 17:42  
 Operator : MD/SY  
 Sample : PB114744ZHE#16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB114744ZHE#16

Quant Time: Nov 14 07:58:22 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

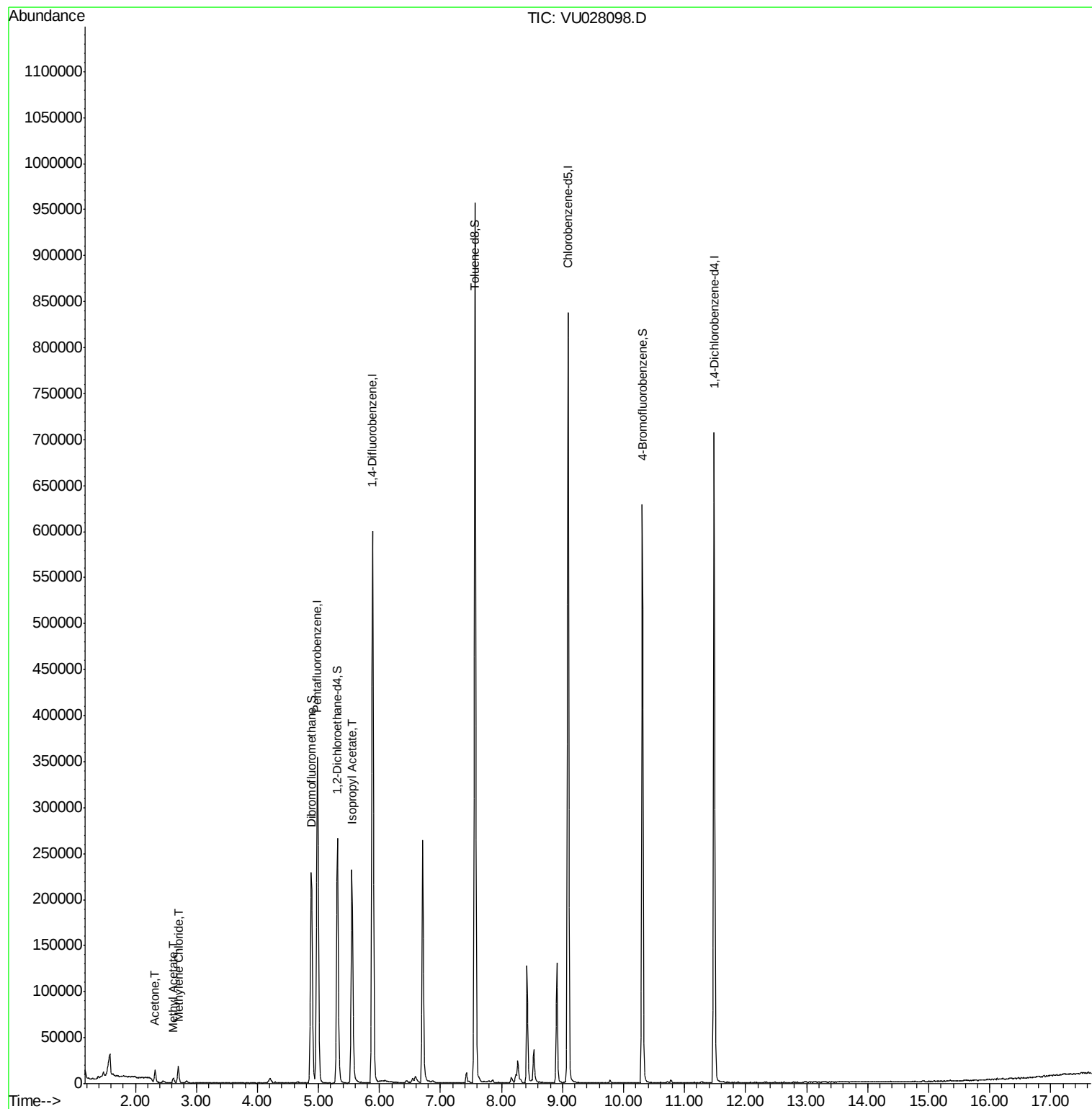
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 269455   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 492651   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 437514   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 180095   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 205696   | 51.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.70% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 157011   | 50.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.10% |          |
| 50) Toluene-d8              | 7.57  | 98   | 625745   | 52.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.30% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 211967   | 47.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.78%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 13397    | 5.390  | ug/l    | 99       |
| 18) Methyl Acetate          | 2.62  | 43   | 7406     | 1.083  | ug/l    | 96       |
| 20) Methylene Chloride      | 2.70  | 84   | 7650     | 2.108  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 5.55  | 43   | 271119   | 22.890 | ug/l    | 99       |

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

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QLast Update : Fri Nov 02 02:28:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028098.D

Acq: 13 Nov 2018 17:42

Instrument :

MSVOA\_U

ClientSampleId :

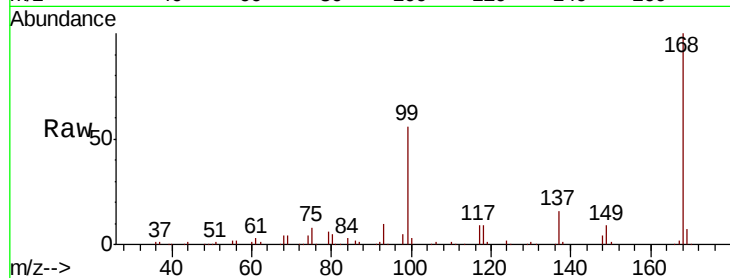
PB114744ZHE#16

Tot Ion:168 Resp: 269455

Ion Ratio Lower Upper

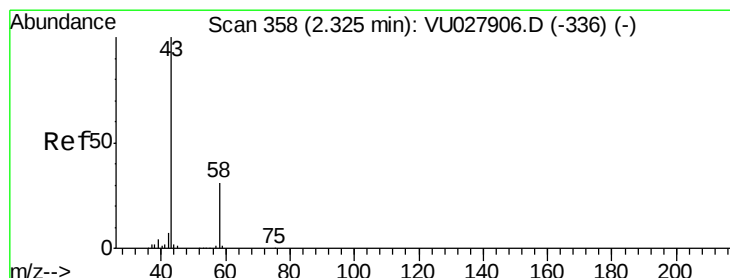
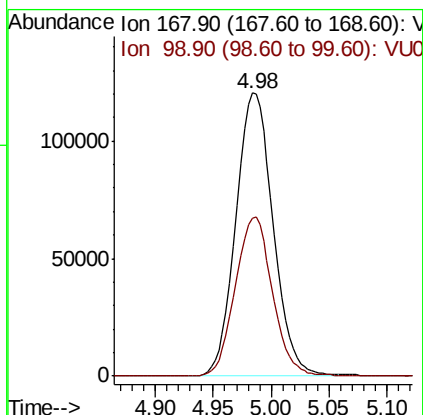
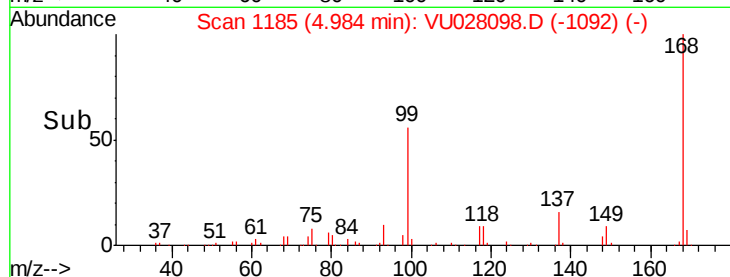
168 100

99 56.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU028098.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028098.D (-1092) (-)



#16

Acetone

Concen: 5.390 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028098.D

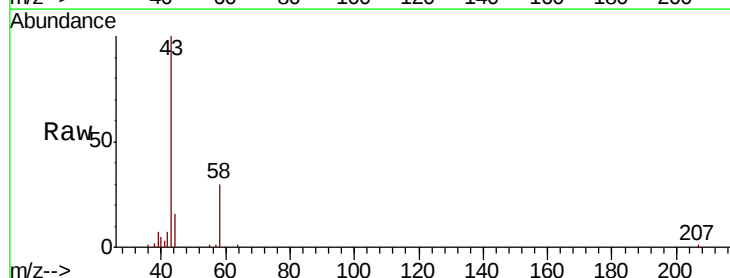
Acq: 13 Nov 2018 17:42

Tgt Ion: 43 Resp: 13397

Ion Ratio Lower Upper

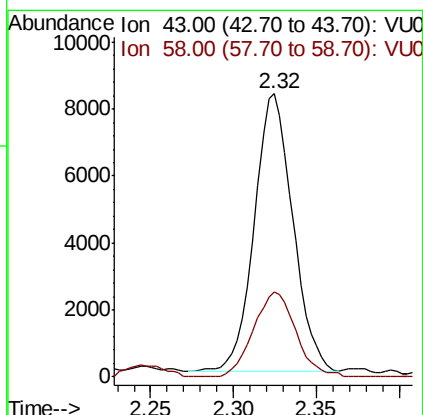
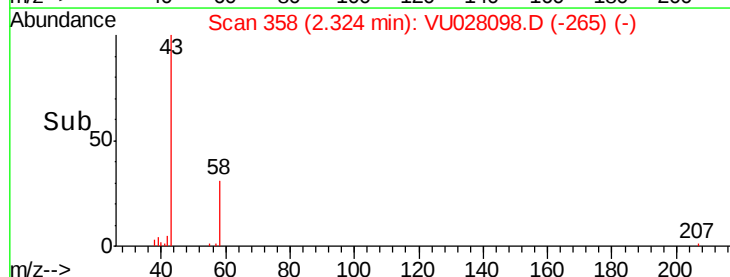
43 100

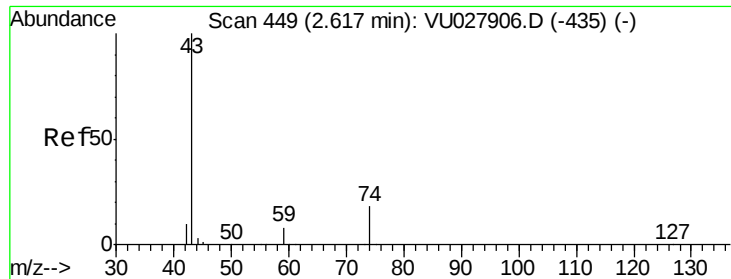
58 30.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028098.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU028098.D (-265) (-)





#18

Methyl Acetate

Concen: 1.083 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU028098.D

Acq: 13 Nov 2018 17:42

Instrument :

MSVOA\_U

ClientSampleId :

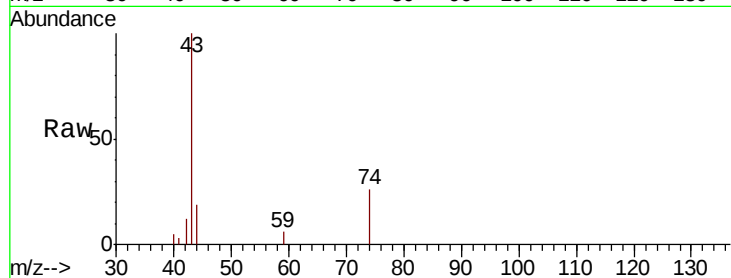
PB114744ZHE#16

Tot Ion: 43 Resp: 7406

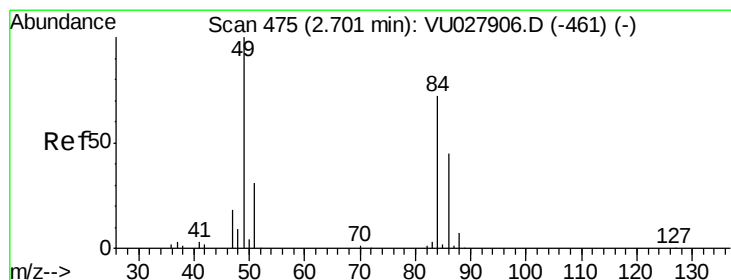
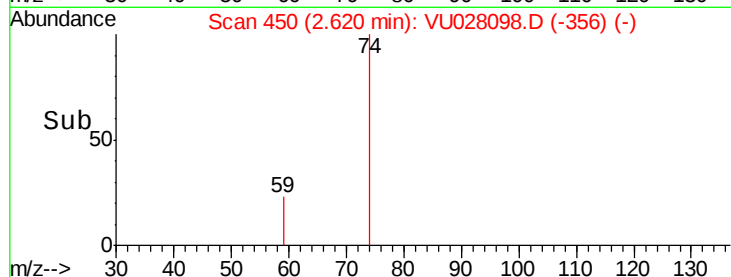
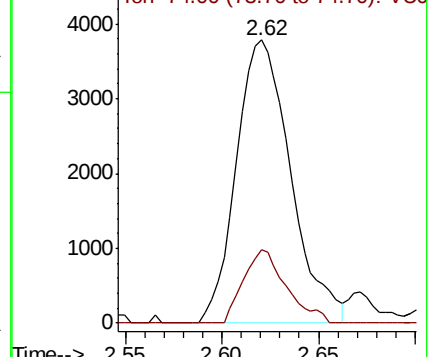
Ion Ratio Lower Upper

43 100

74 20.4 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028098.D (-435) (-)



#20

Methylene Chloride

Concen: 2.108 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028098.D

Acq: 13 Nov 2018 17:42

Tgt Ion: 84 Resp: 7650

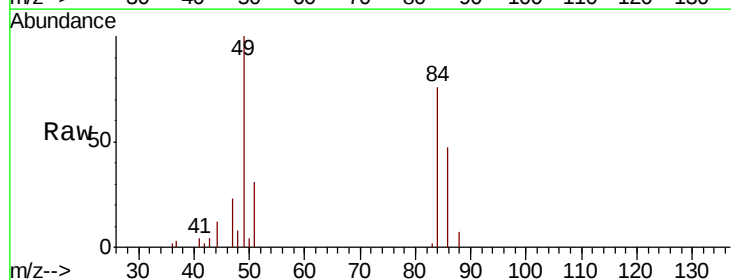
Ion Ratio Lower Upper

84 100

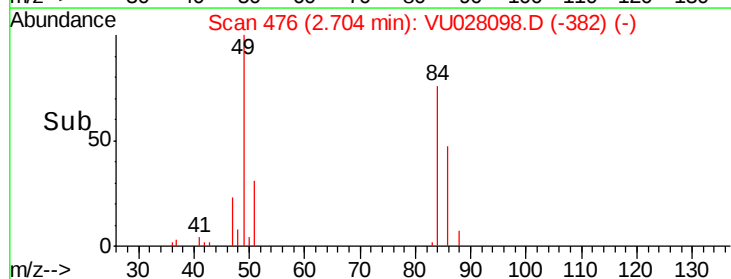
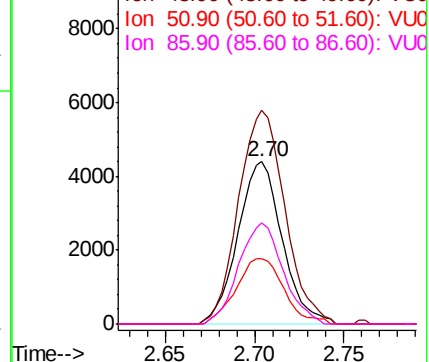
49 131.5 111.6 167.4

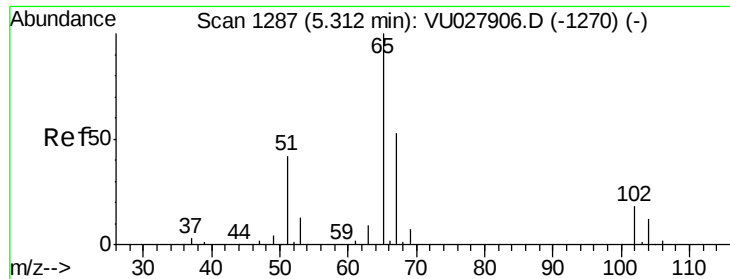
51 40.2 34.8 52.2

86 61.9 50.1 75.1



Abundance Ion 83.90 (83.60 to 84.60): VU028098.D (-461) (-)

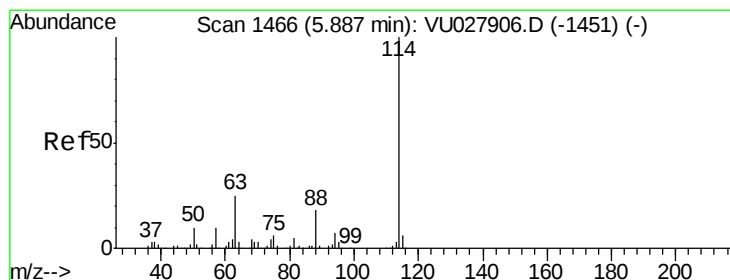
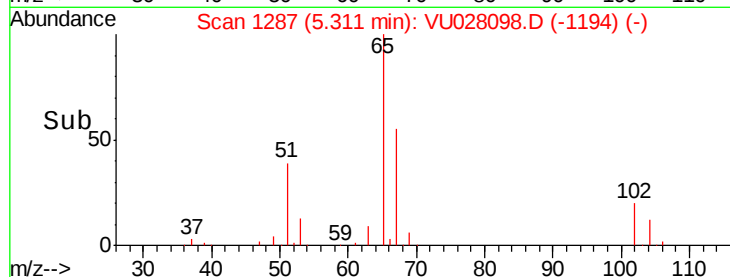
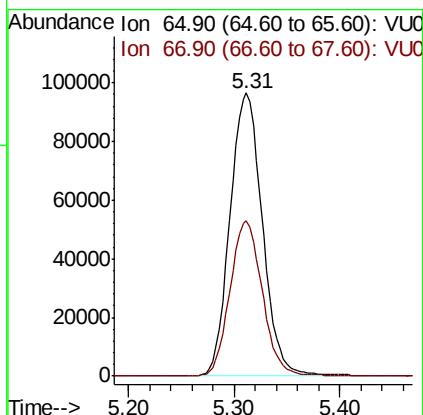
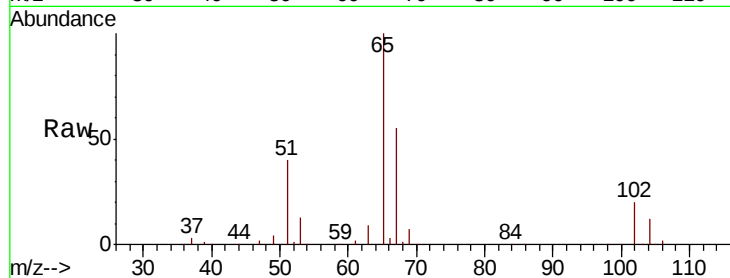




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.345 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: VU028098.D  
 Acq: 13 Nov 2018 17:42

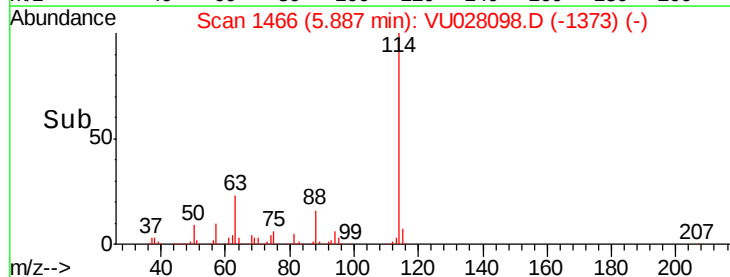
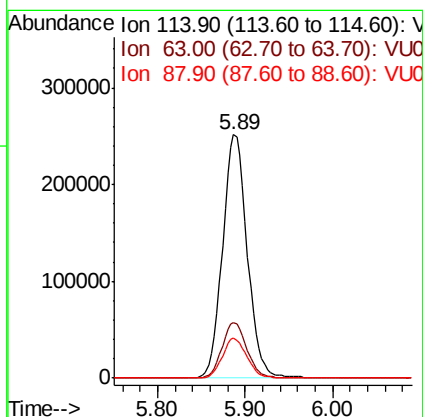
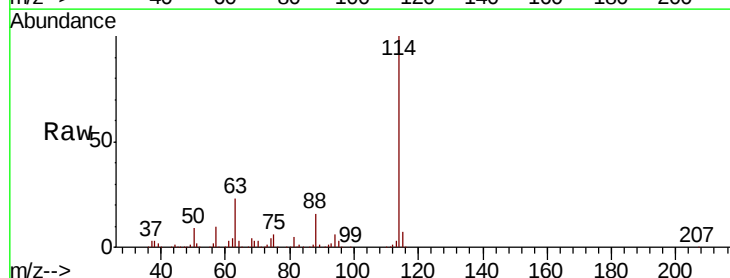
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB114744ZHE#16

Tot Ion: 65 Resp: 205696  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU028098.D  
 Acq: 13 Nov 2018 17:42

Tgt Ion: 114 Resp: 492651  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 50.8  
 88 16.3 0.0 35.8

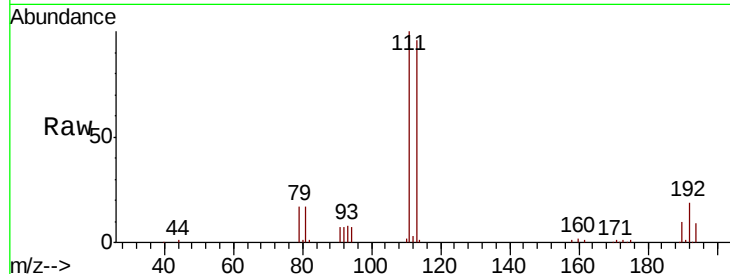




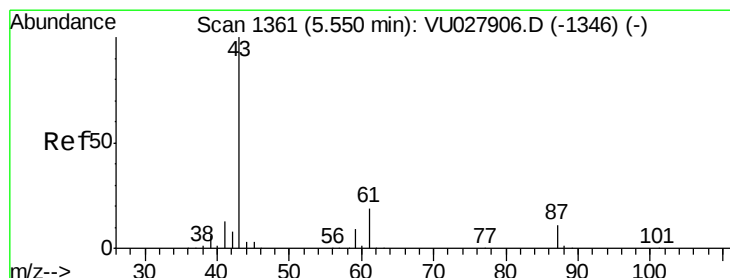
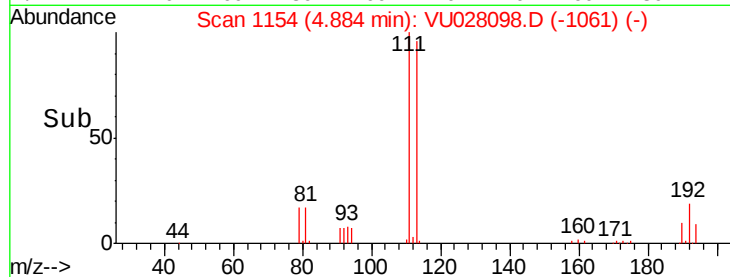
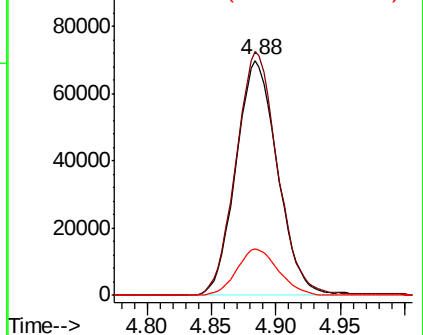
#35  
Dibromofluoromethane  
Concen: 50.547 ug/l  
RT: 4.88 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB114744ZHE#16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 83.0  | 124.6 |
| 192     | 19.8  | 15.6  | 23.4  |

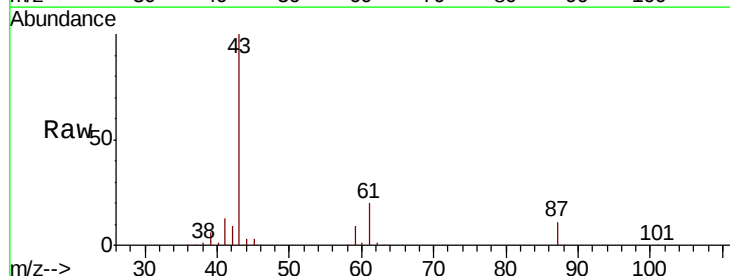


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

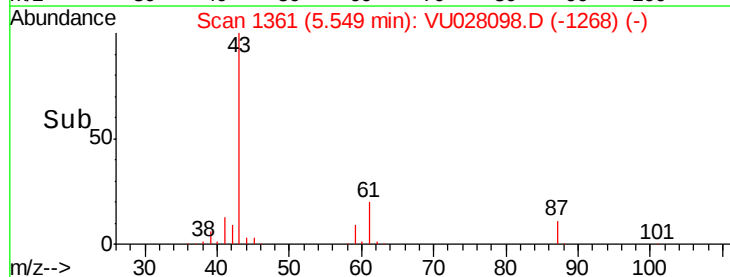
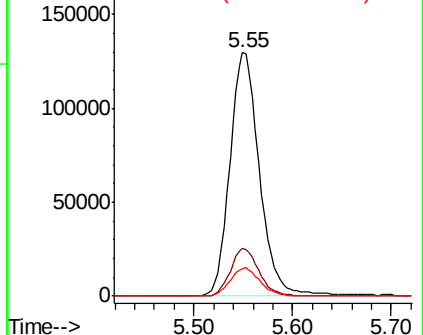


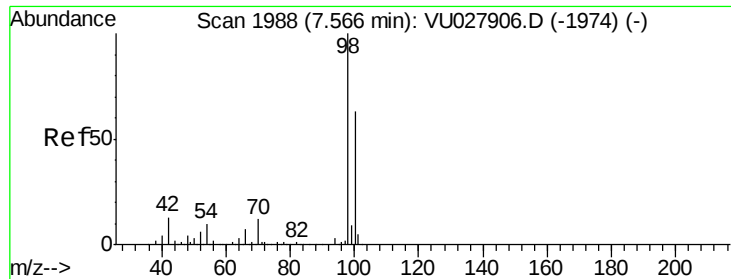
#43  
Isopropyl Acetate  
Concen: 22.890 ug/l  
RT: 5.55 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.9  | 15.0  | 22.4  |
| 87      | 11.6  | 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

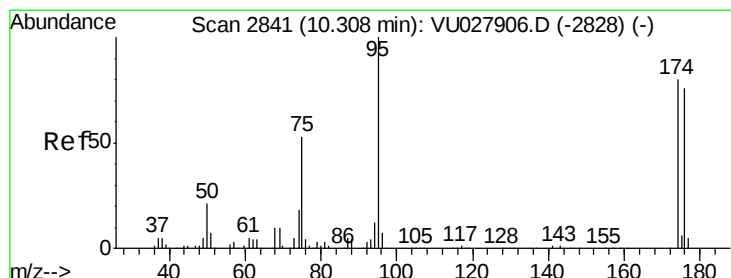
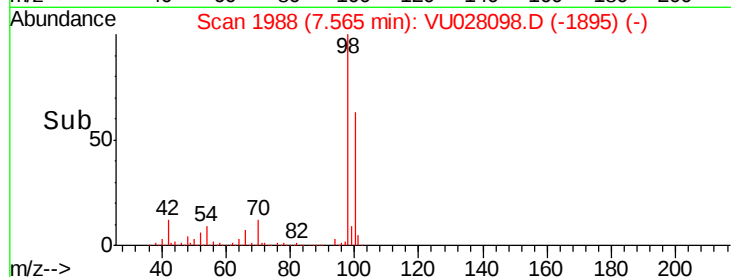
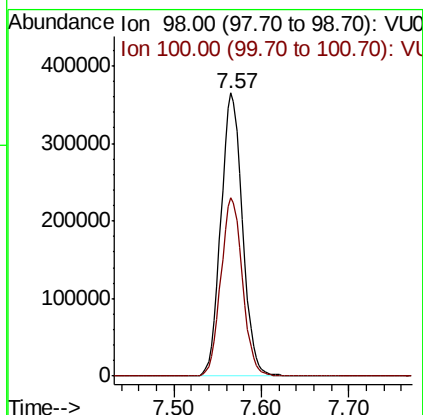
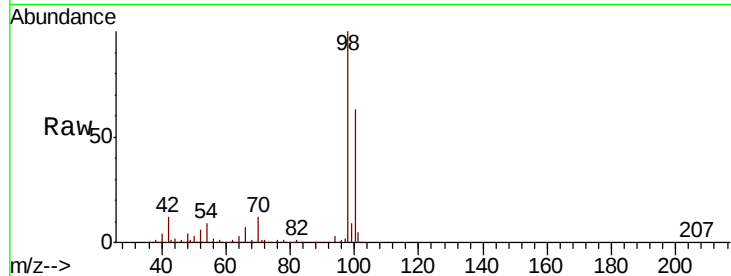




#50  
Toluene-d8  
Concen: 52.149 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

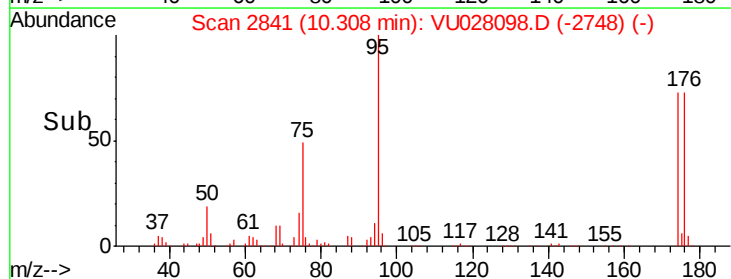
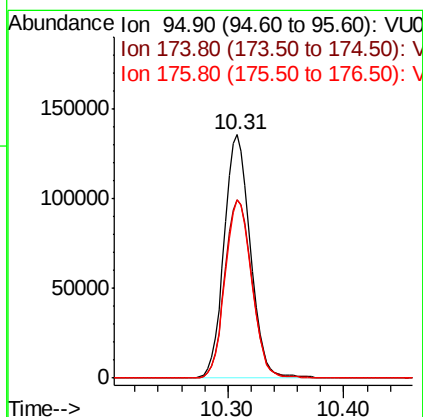
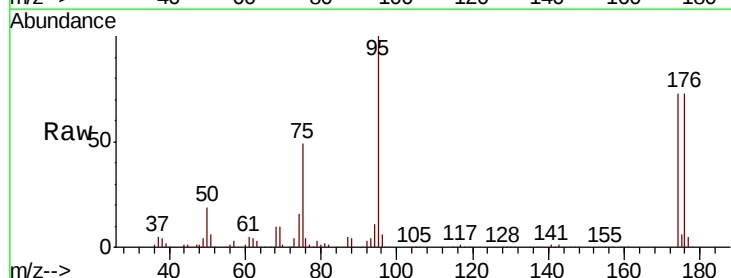
Instrument :  
MSVOA\_U  
ClientSampleId :  
PB114744ZHE#16

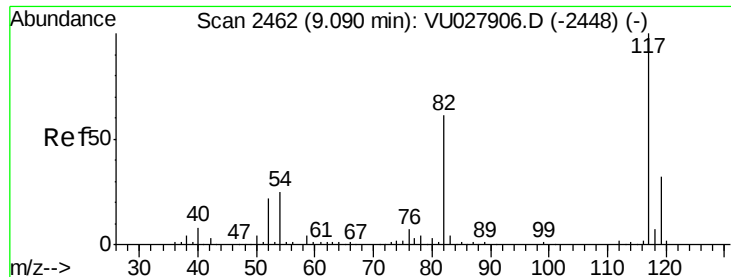
Tot Ion: 98 Resp: 625745  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 47.893 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

Tgt Ion: 95 Resp: 211967  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 156.4  
176 74.4 0.0 150.8

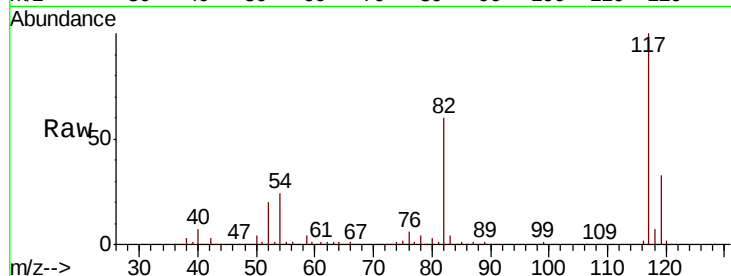




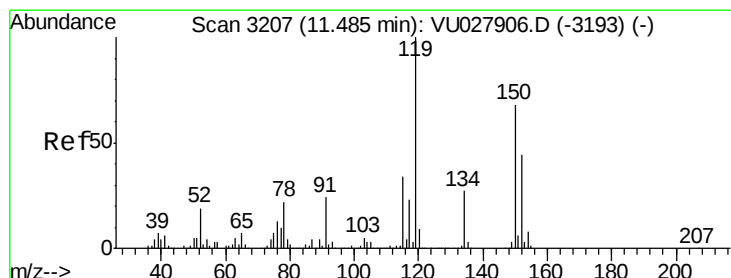
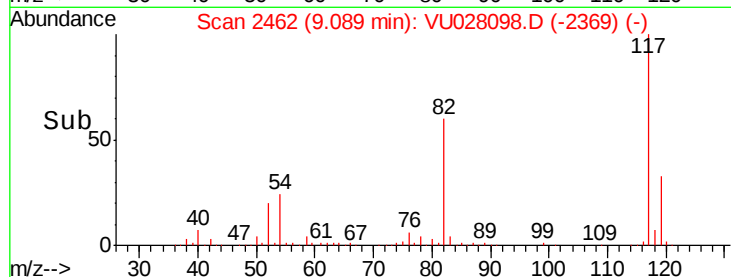
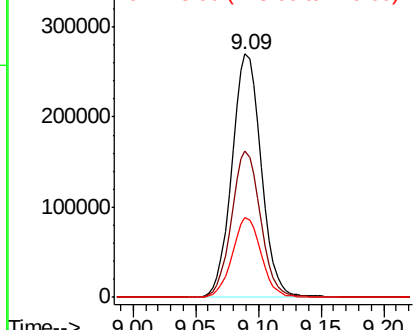
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB114744ZHE#16

Tot Ion:117 Resp: 437514  
Ion Ratio Lower Upper  
117 100  
82 60.1 48.6 73.0  
119 32.6 25.8 38.8

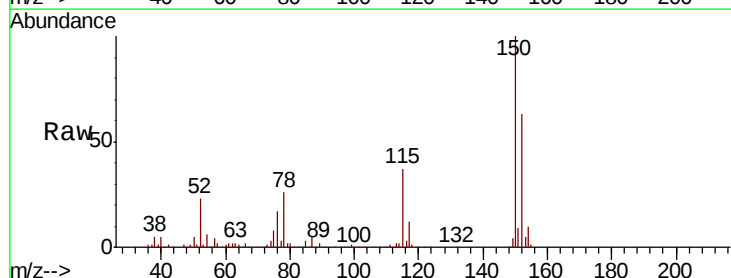


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU028098.D  
Acq: 13 Nov 2018 17:42

Tgt Ion:152 Resp: 180095  
Ion Ratio Lower Upper  
152 100  
115 59.0 43.0 129.0  
150 157.2 0.0 349.4



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

