

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\  
 Data File : VU026905.D  
 Acq On : 19 Sep 2018 18:29  
 Operator : MD/SY  
 Sample : J4913-16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPS1-TT-MW302D-20180913

Quant Time: Sep 20 06:54:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U091218W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 05:32:45 2018  
 Response via : Initial Calibration

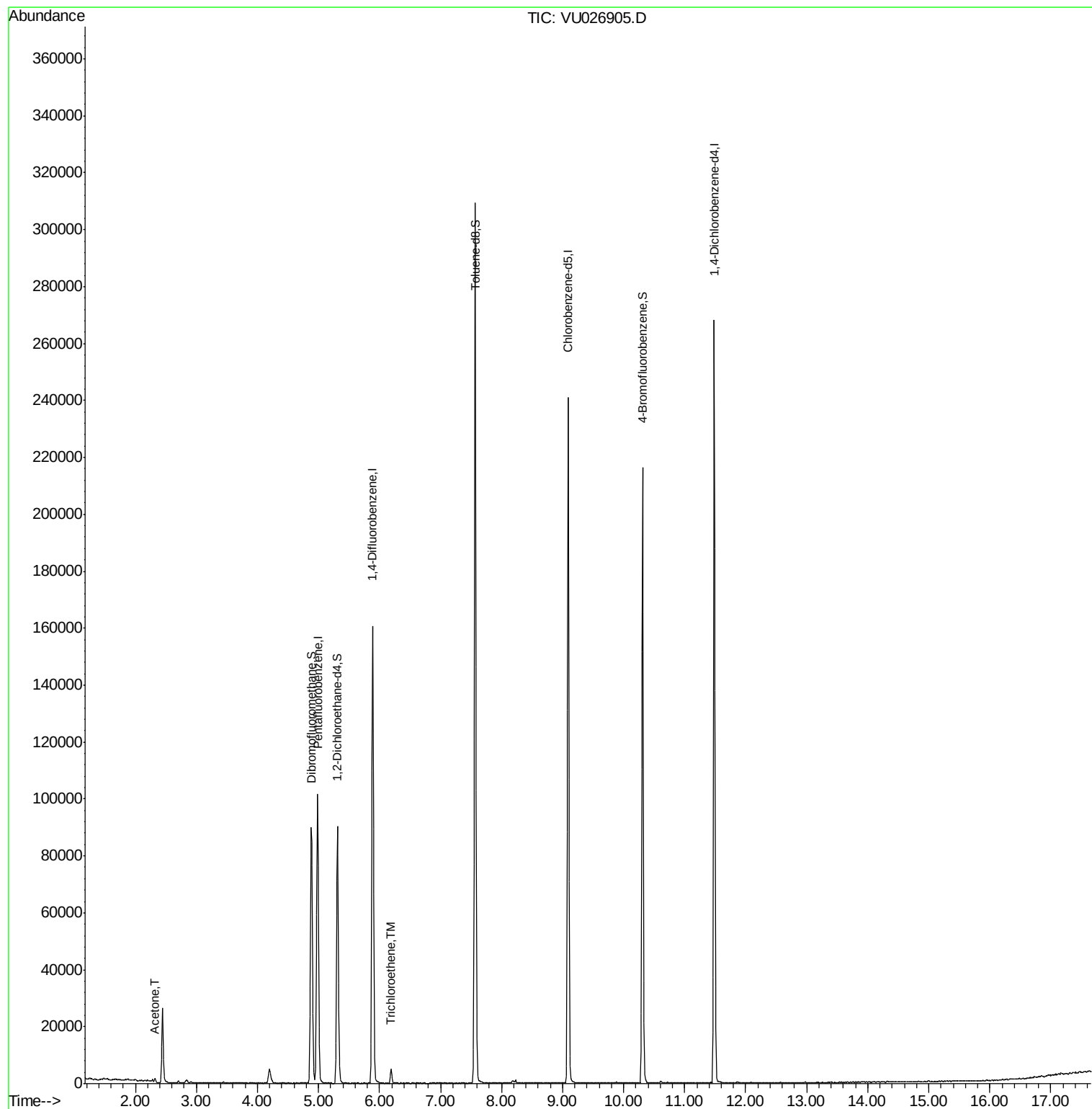
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 81527    | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 139068   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 136919   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 73089    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 68671    | 55.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.06% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 62523    | 55.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.24% |          |
| 50) Toluene-d8              | 7.57  | 98   | 204688   | 48.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.58%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 68663    | 45.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.32%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.32  | 43   | 1699     | 2.426 | ug/l    | 91       |
| 44) Trichloroethene         | 6.19  | 130  | 2037     | 1.697 | ug/l    | 83       |

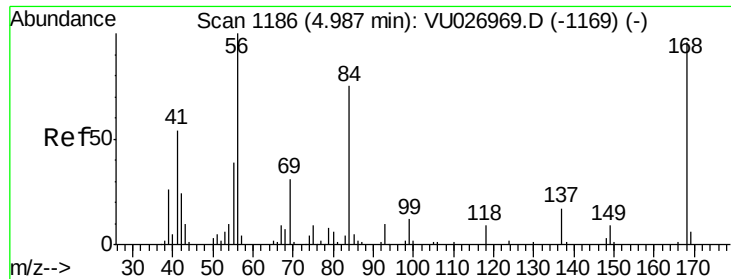
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPS1-TT-MW302D-20180913

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Quant Title : SW846 8260  
QLast Update : Wed Sep 12 05:32:45 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: VU026905.D

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Instrument :

MSVOA\_U

ClientSampleId :

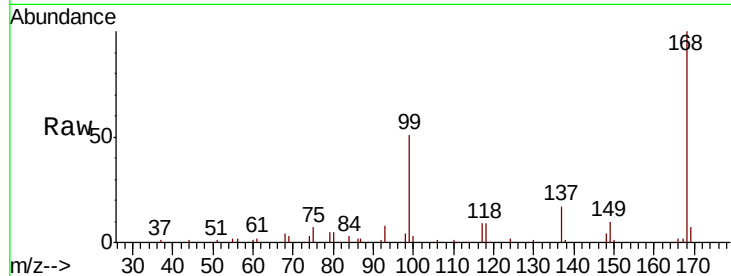
BPS1-TT-MW302D-20180913

Tot Ion:168 Resp: 81527

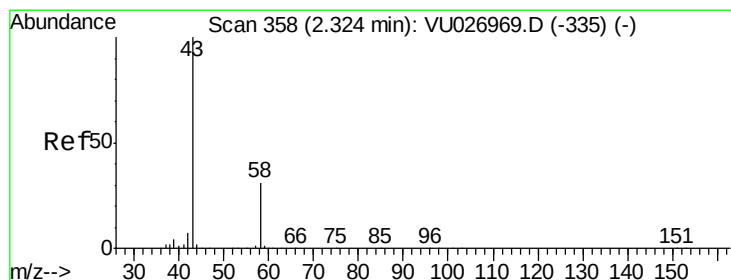
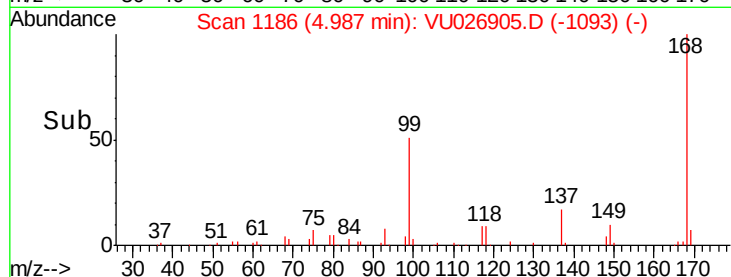
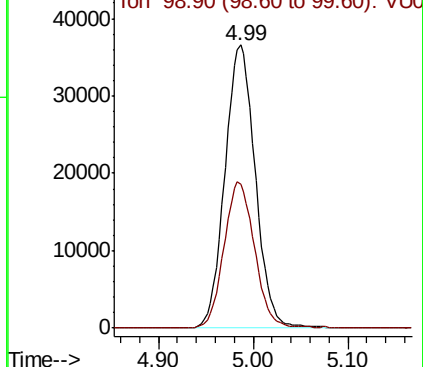
Ion Ratio Lower Upper

168 100

99 51.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)



#16

Acetone

Concen: 2.426 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026905.D

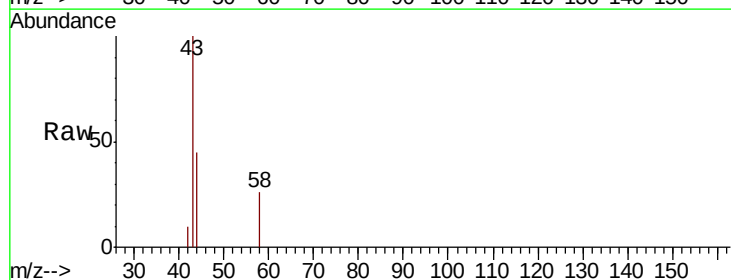
Acq: 19 Sep 2018 18:29

Tgt Ion: 43 Resp: 1699

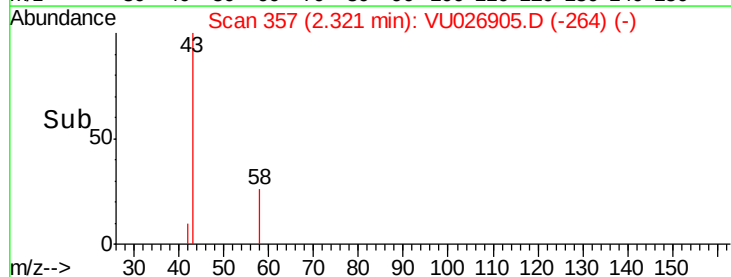
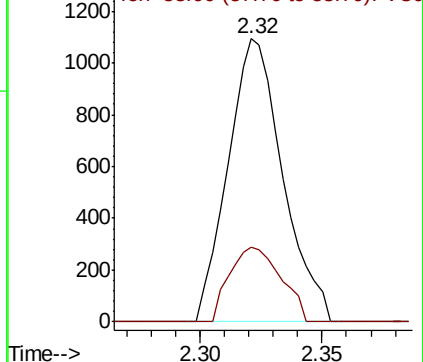
Ion Ratio Lower Upper

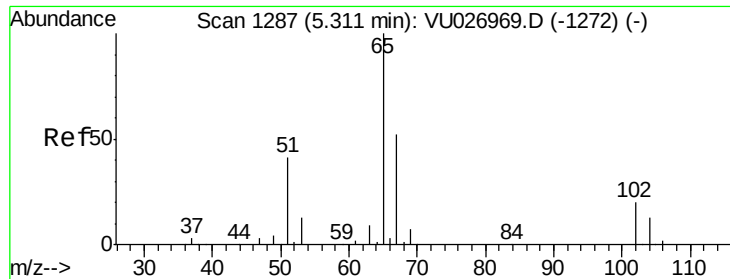
43 100

58 26.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

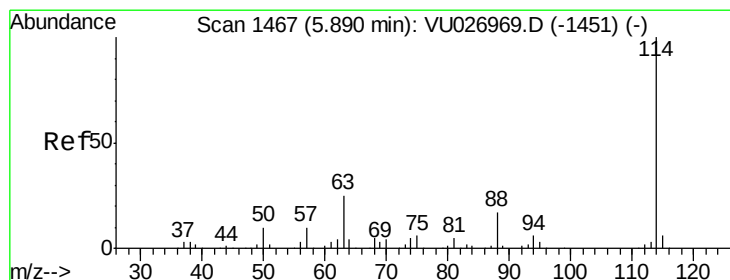
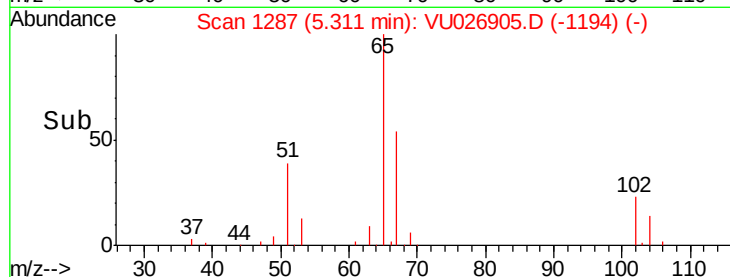
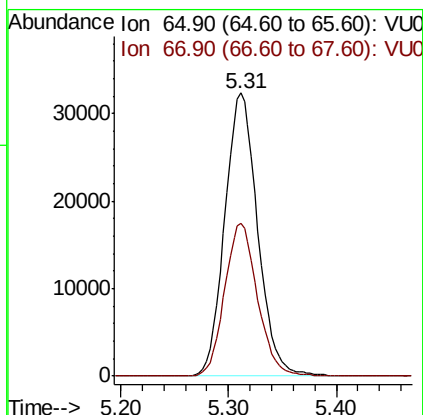
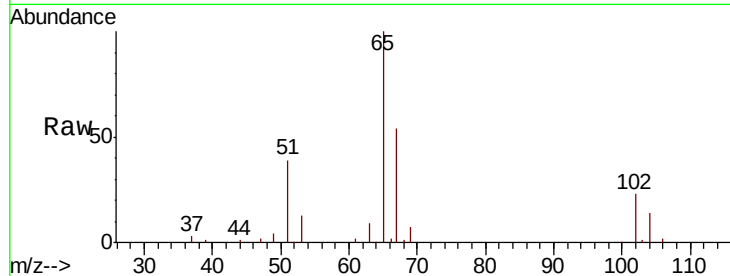




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.526 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: VU026905.D  
 Acq: 19 Sep 2018 18:29

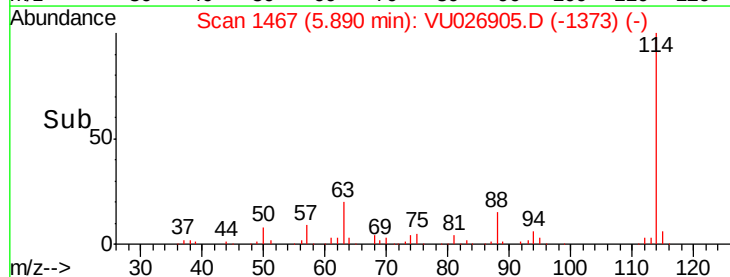
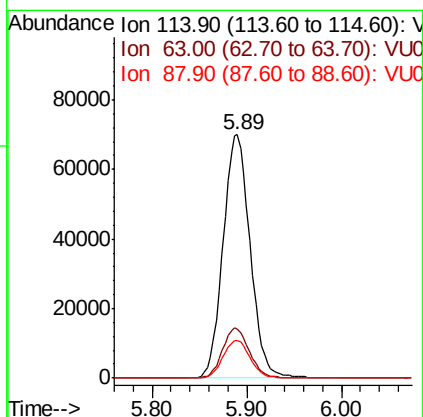
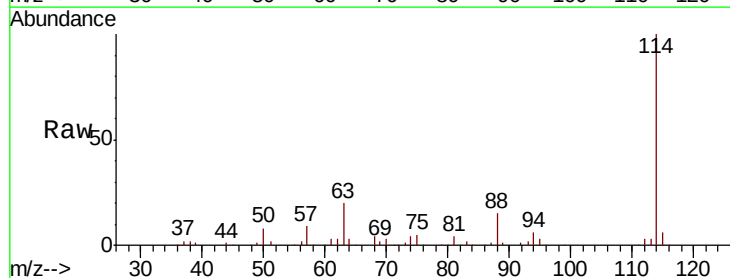
Instrument :  
 MSVOA\_U  
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 BPS1-TT-MW302D-20180913

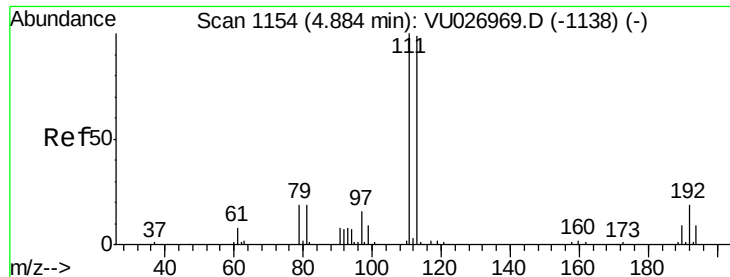
Tot Ion: 65 Resp: 68671  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 106.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU026905.D  
 Acq: 19 Sep 2018 18:29

Tgt Ion: 114 Resp: 139068  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.4  
 88 15.3 0.0 30.8

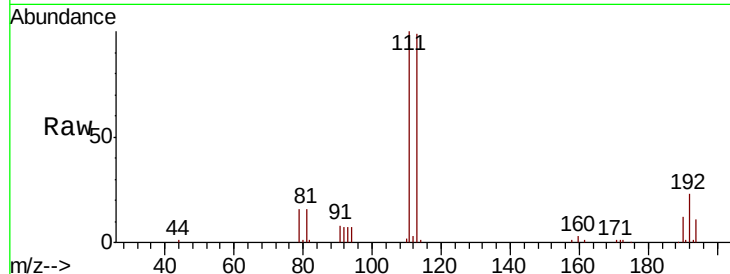




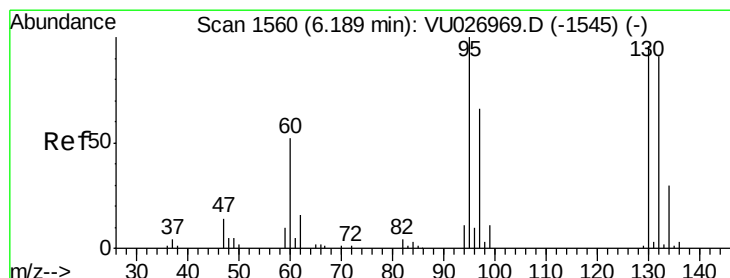
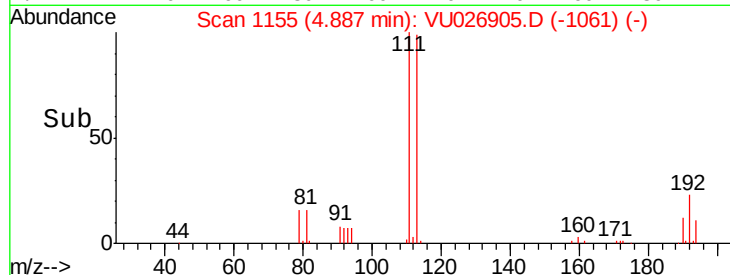
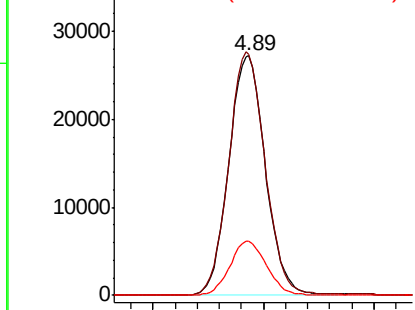
#35  
 Dibromofluoromethane  
 Concen: 55.117 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU026905.D  
 Acq: 19 Sep 2018 18:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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Tot Ion:113 Resp: 62523  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 83.1 124.7  
 192 22.6 17.4 26.2

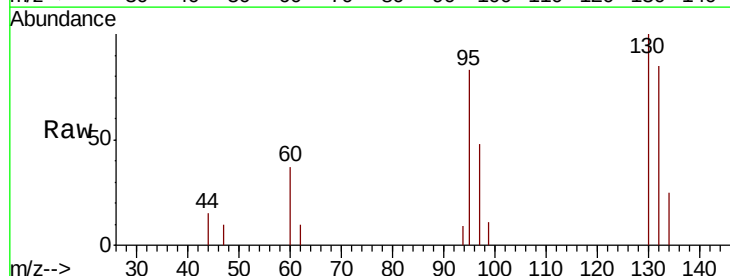


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

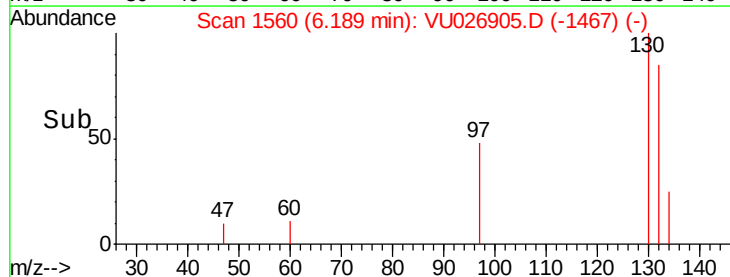
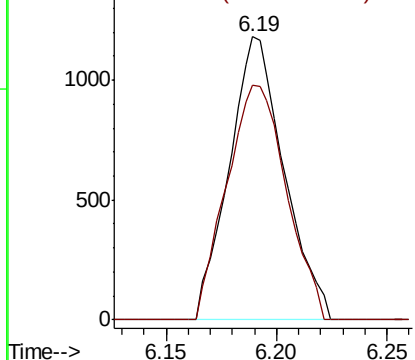


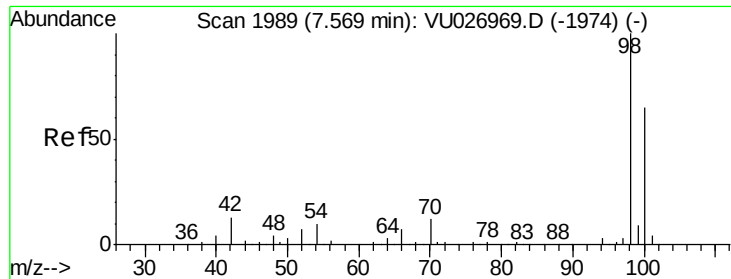
#44  
 Trichloroethene  
 Concen: 1.697 ug/l  
 RT: 6.19 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: VU026905.D  
 Acq: 19 Sep 2018 18:29

Tgt Ion:130 Resp: 2037  
 Ion Ratio Lower Upper  
 130 100  
 95 82.9 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VU0

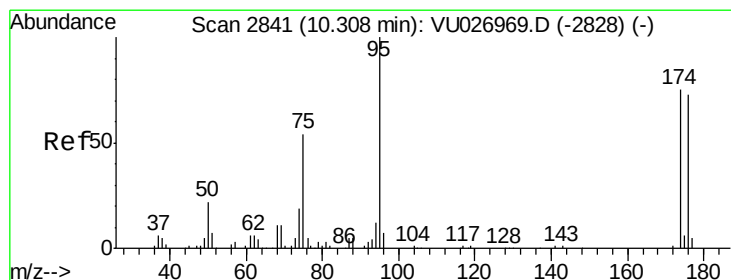
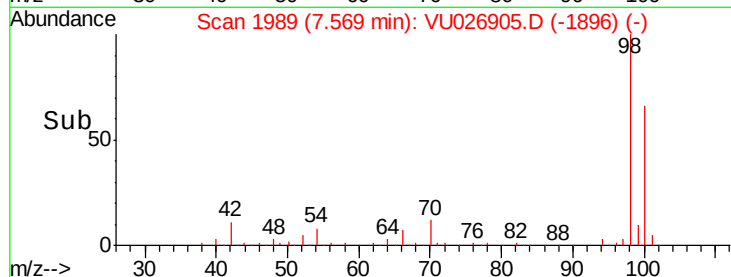
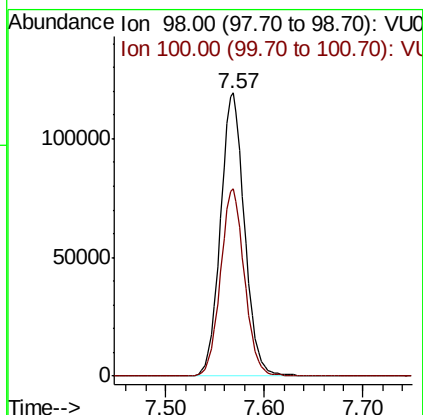
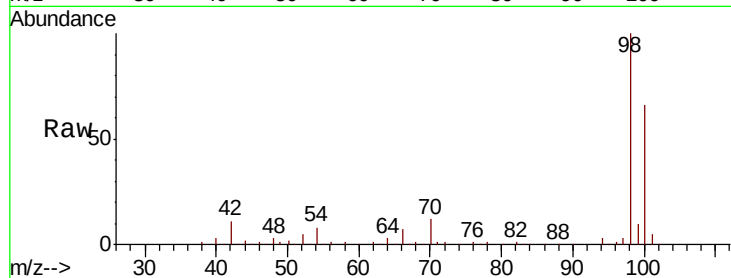




#50  
Toluene-d8  
Concen: 48.787 ug/l  
RT: 7.57 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: VU026905.D  
Acq: 19 Sep 2018 18:29

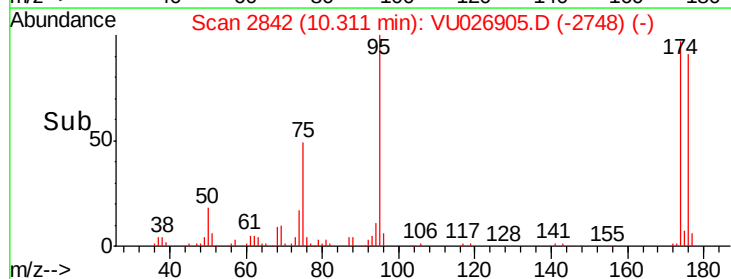
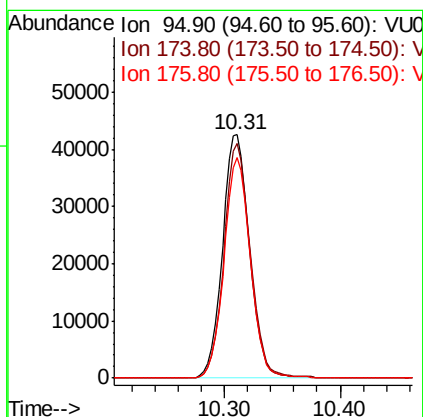
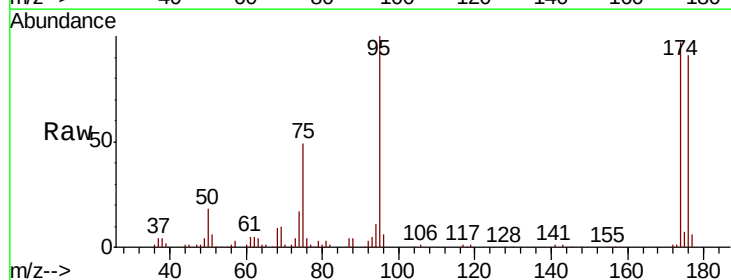
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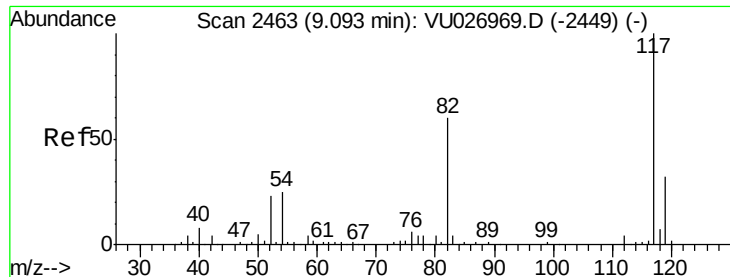
Tot Ion: 98 Resp: 204688  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 45.155 ug/l  
RT: 10.31 min Scan# 2842  
Delta R.T. 0.00 min  
Lab File: VU026905.D  
Acq: 19 Sep 2018 18:29

Tgt Ion: 95 Resp: 68663  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 172.8  
176 88.2 0.0 168.6

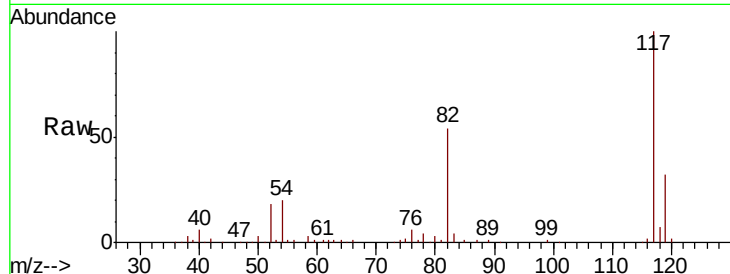




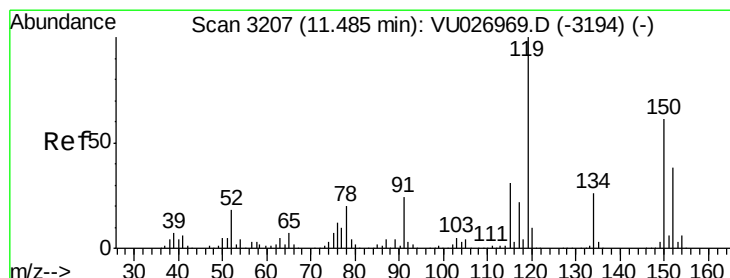
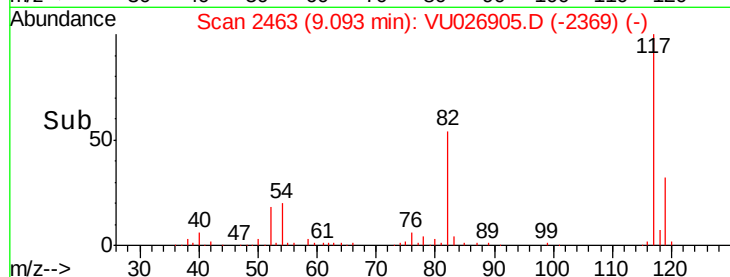
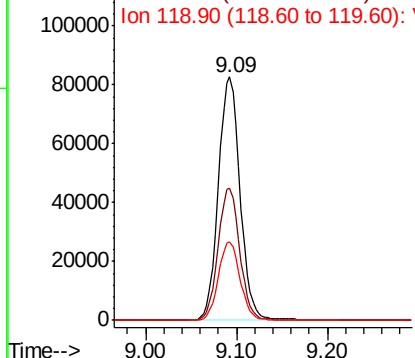
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU026905.D  
Acq: 19 Sep 2018 18:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
BPS1-TT-MW302D-20180913

Tot Ion:117 Resp: 136919  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.1 66.1  
119 32.2 25.7 38.5

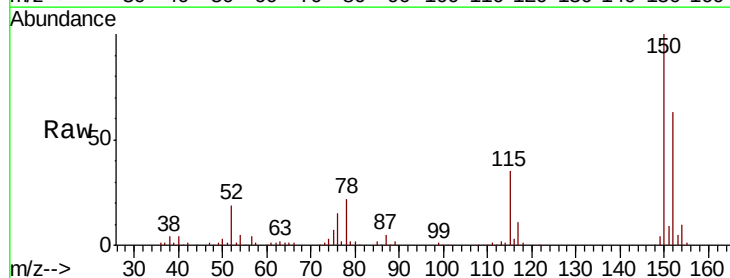


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU026905.D  
Acq: 19 Sep 2018 18:29

Tgt Ion:152 Resp: 73089  
Ion Ratio Lower Upper  
152 100  
115 55.0 40.4 121.1  
150 158.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): VU026969.D (-3194) (-)  
Ion 149.90 (149.60 to 150.60): V

