

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\  
 Data File : VU027178.D  
 Acq On : 26 Sep 2018 15:27  
 Operator : MD/SY  
 Sample : J5049-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-FOS4-SEP18

Quant Time: Sep 27 02:18:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

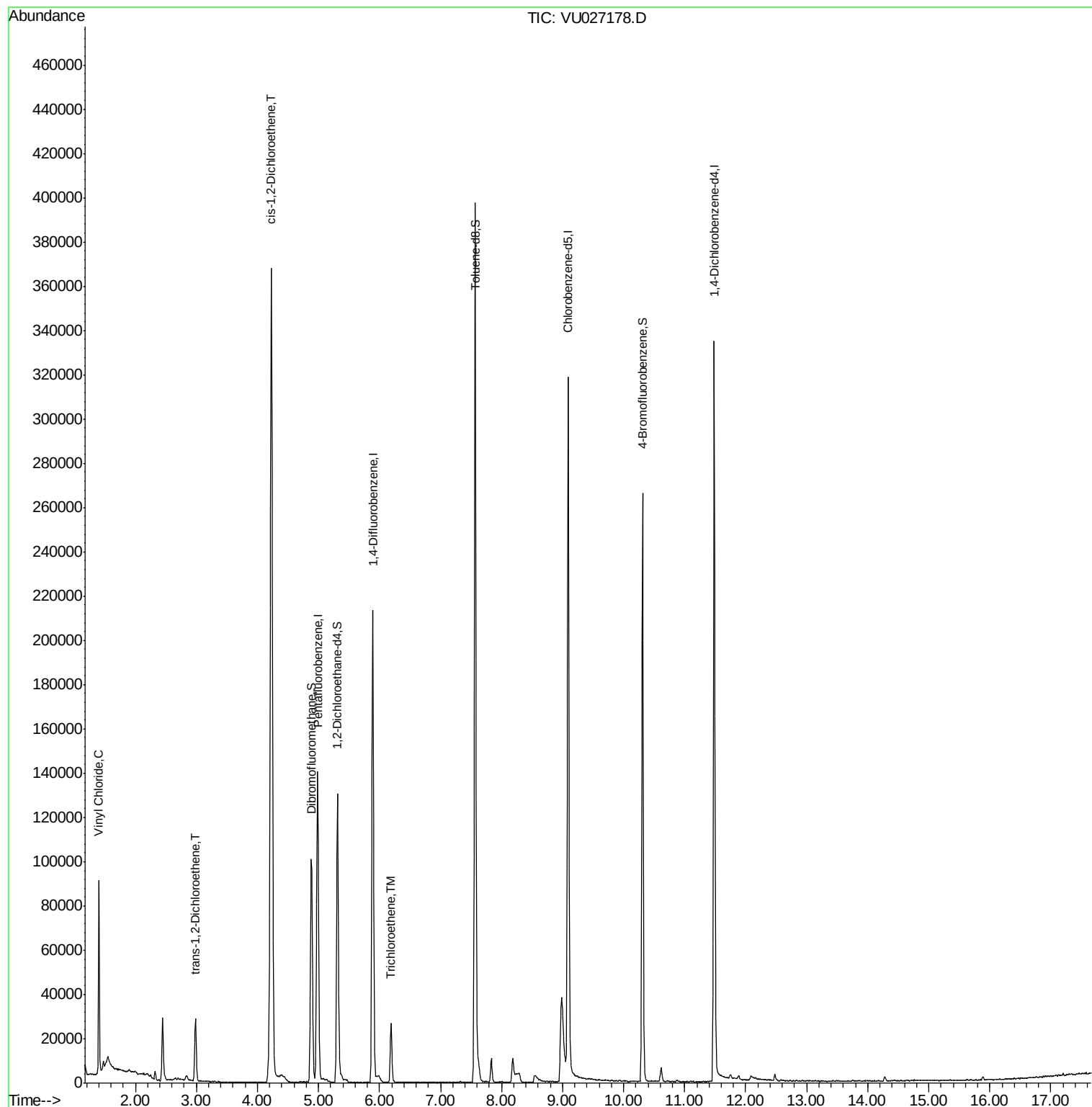
| Internal Standards           | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene        | 4.99  | 168  | 96061    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.89  | 114  | 162730   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 9.09  | 117  | 161327   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.48 | 152  | 74554    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.31  | 65   | 100879   | 52.18   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 104.36% |          |
| 35) Dibromofluoromethane     | 4.88  | 113  | 70168    | 49.75   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 99.50%  |          |
| 50) Toluene-d8               | 7.57  | 98   | 259077   | 48.19   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 96.38%  |          |
| 62) 4-Bromofluorobenzene     | 10.31 | 95   | 87494    | 47.43   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 94.86%  |          |
| Target Compounds             |       |      |          |         |         |          |
| 4) Vinyl Chloride            | 1.40  | 62   | 54877    | 27.187  | ug/l    | 100      |
| 21) trans-1,2-Dichloroethene | 2.99  | 96   | 10050    | 7.095   | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene   | 4.23  | 96   | 186696   | 116.706 | ug/l    | 92       |
| 44) Trichloroethene          | 6.19  | 130  | 8626     | 6.137   | ug/l    | 99       |

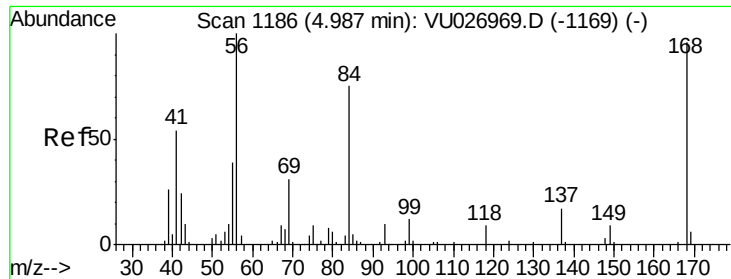
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Sep 22 01:31:57 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: VU027178.D

Acq: 26 Sep 2018 15:27

Instrument :

MSVOA\_U

ClientSampleId :

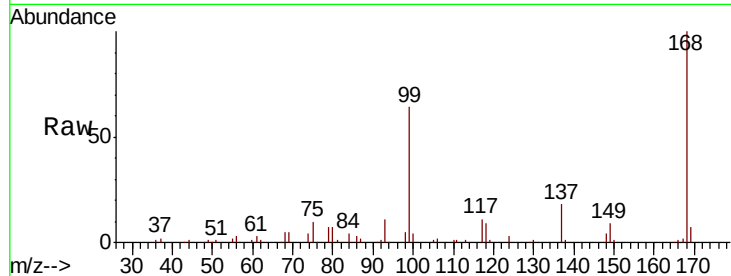
MW-FOS4-SEP18

Tot Ion:168 Resp: 96061

Ion Ratio Lower Upper

168 100

99 63.5 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

50000

40000

30000

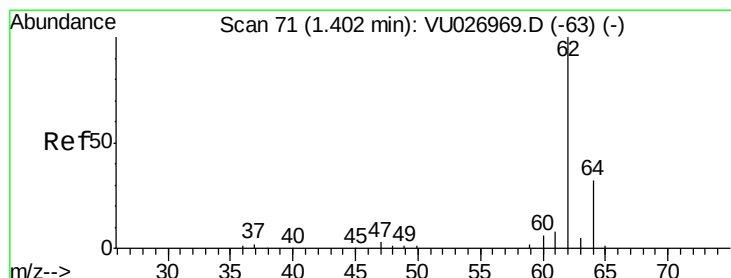
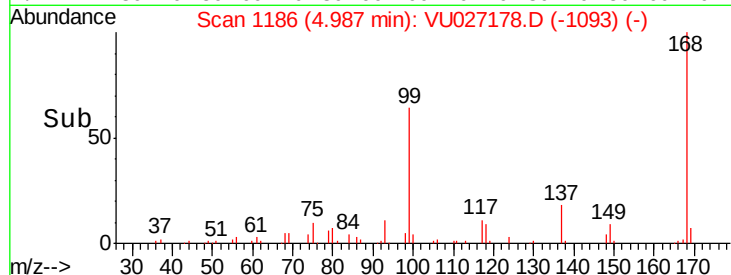
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 27.187 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027178.D

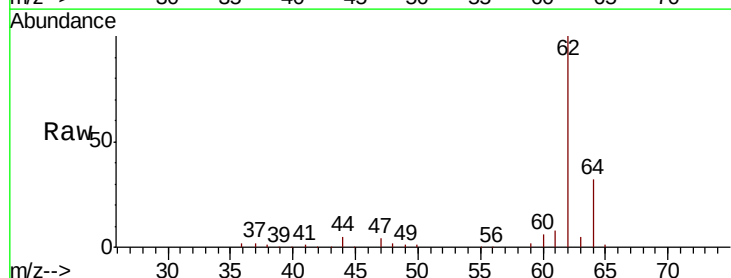
Acq: 26 Sep 2018 15:27

Tgt Ion: 62 Resp: 54877

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

60000

50000

40000

30000

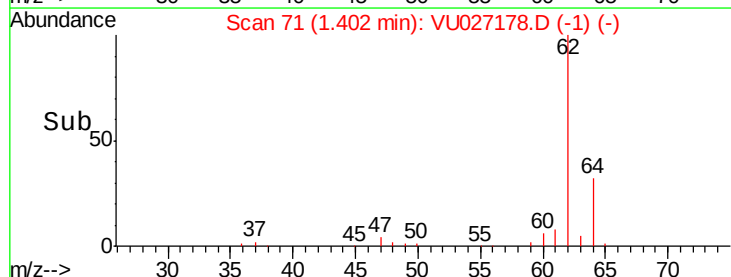
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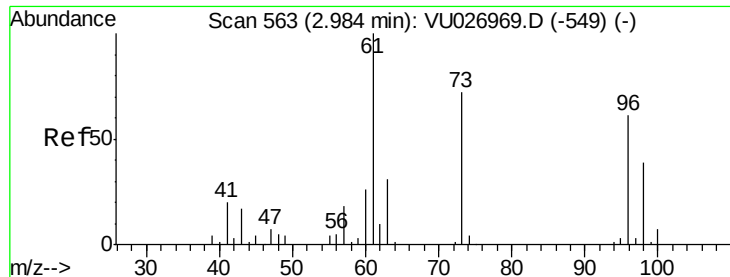
10000

0

1.35 1.40 1.45

Time-->





#21

trans-1,2-Dichloroethene

Concen: 7.095 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027178.D

Acq: 26 Sep 2018 15:27

Instrument :

MSVOA\_U

ClientSampleId :

MW-FOS4-SEP18

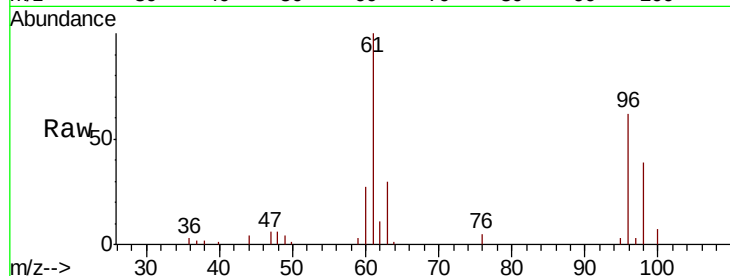
Tot Ion: 96 Resp: 10050

Ion Ratio Lower Upper

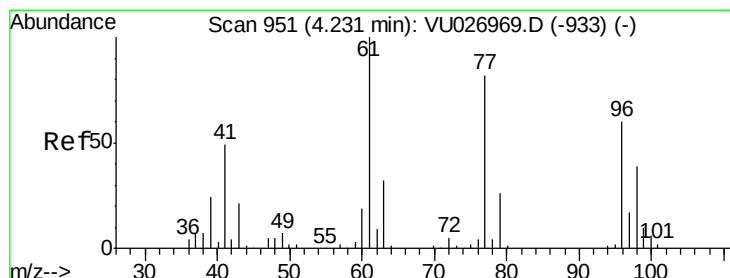
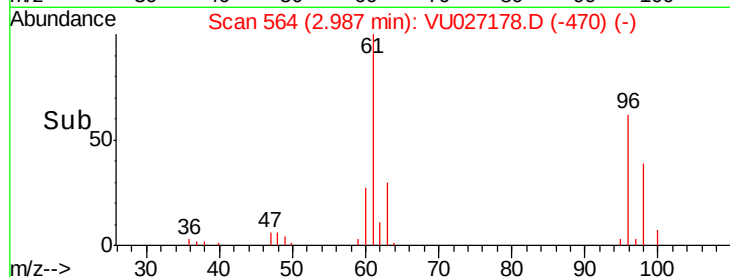
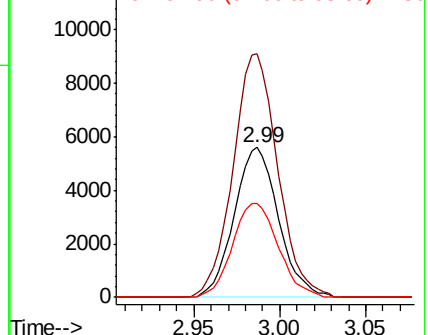
96 100

61 162.4 131.8 197.6

98 63.0 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 116.706 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027178.D

Acq: 26 Sep 2018 15:27

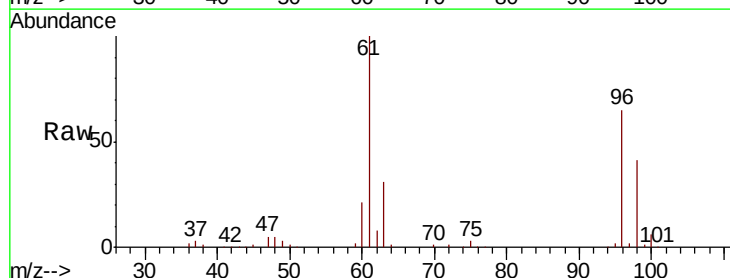
Tgt Ion: 96 Resp: 186696

Ion Ratio Lower Upper

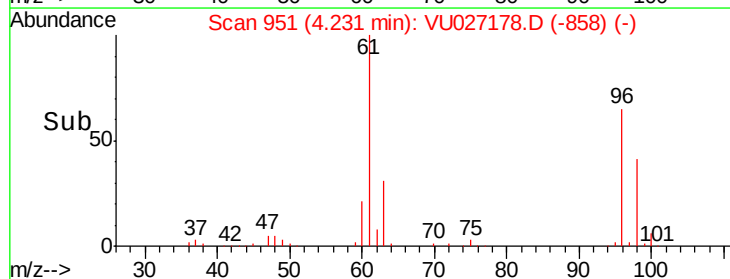
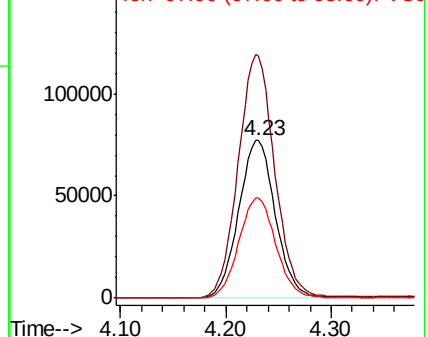
96 100

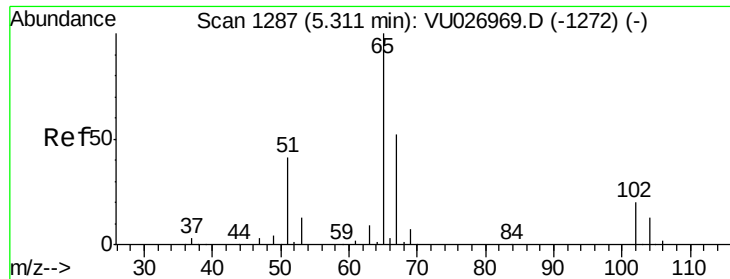
61 154.1 0.0 337.2

98 64.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0

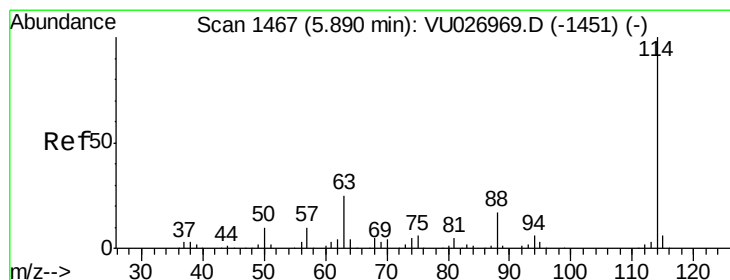
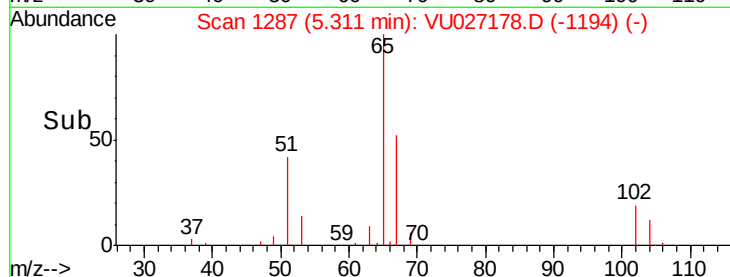
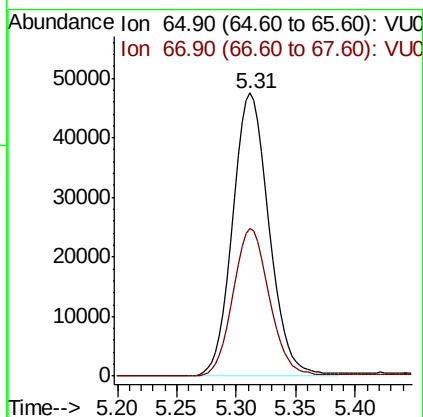
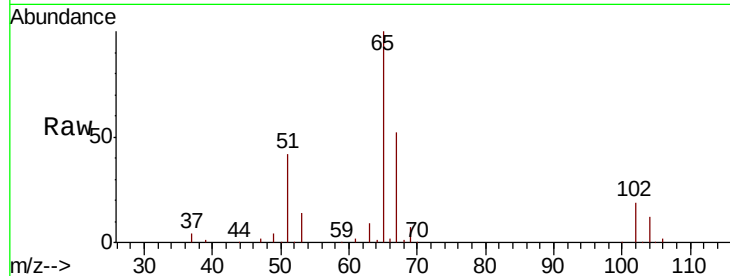




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.177 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027178.D  
 Acq: 26 Sep 2018 15:27

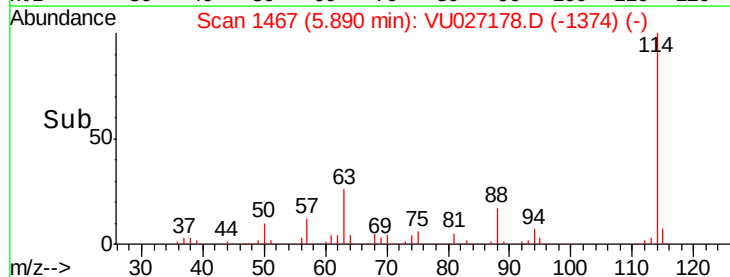
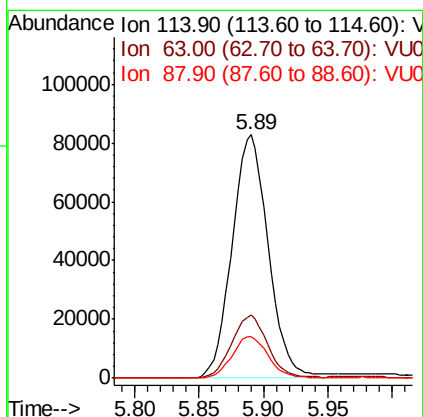
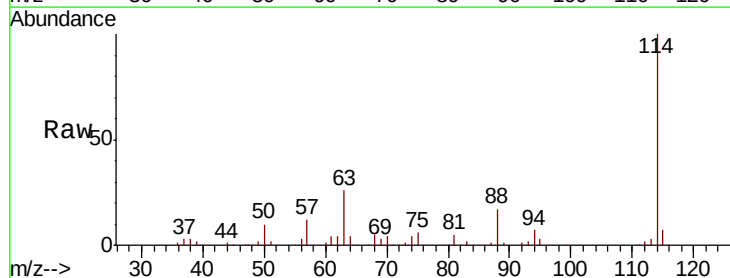
Instrument :  
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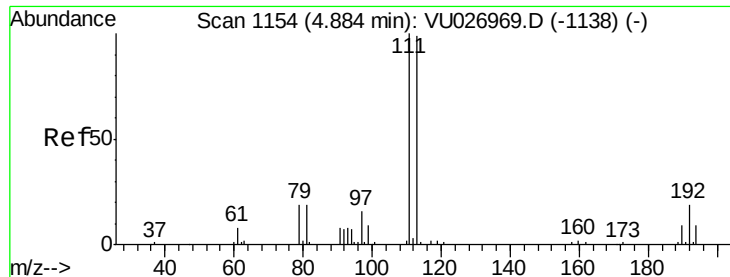
Tot Ion: 65 Resp: 100879  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027178.D  
 Acq: 26 Sep 2018 15:27

Tgt Ion: 114 Resp: 162730  
 Ion Ratio Lower Upper  
 114 100  
 63 25.7 0.0 49.2  
 88 17.2 0.0 33.8

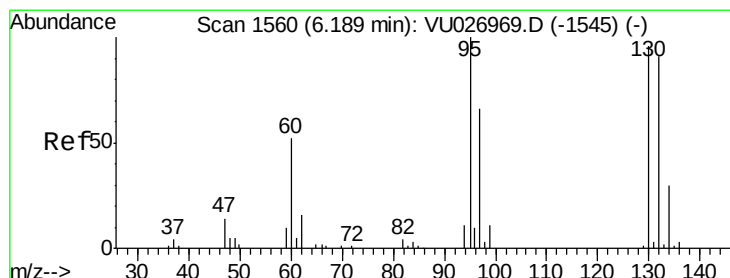
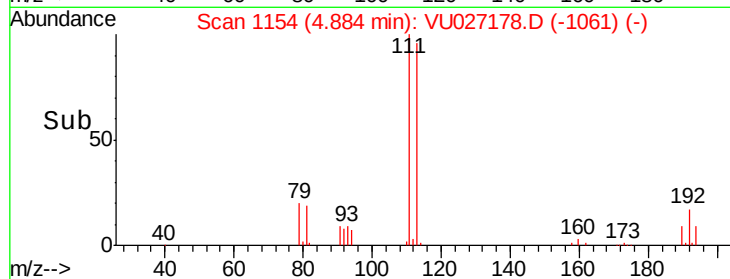
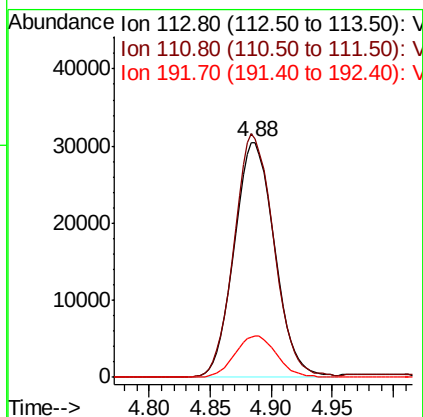
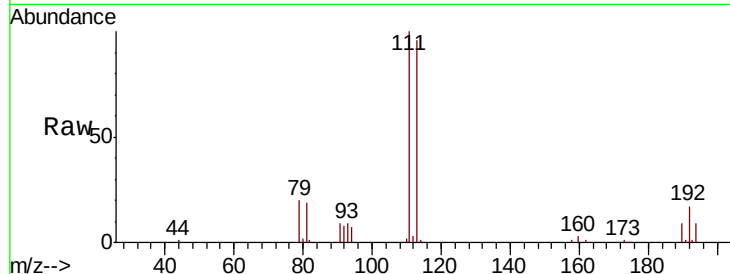




#35  
 Dibromofluoromethane  
 Concen: 49.745 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027178.D  
 Acq: 26 Sep 2018 15:27

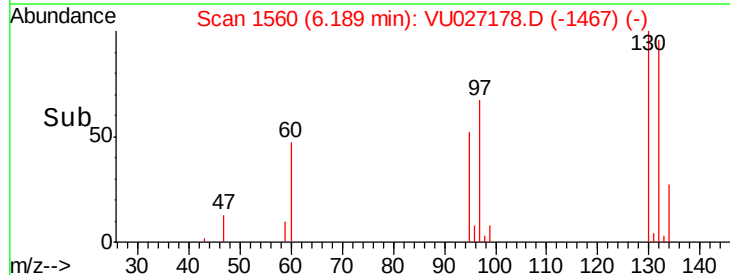
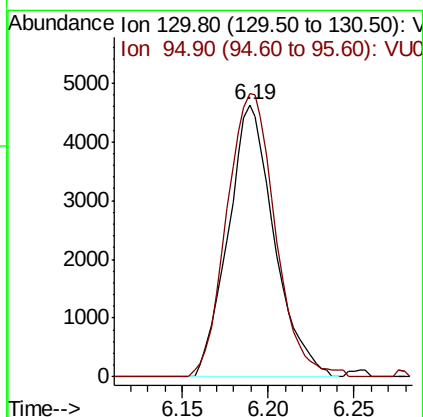
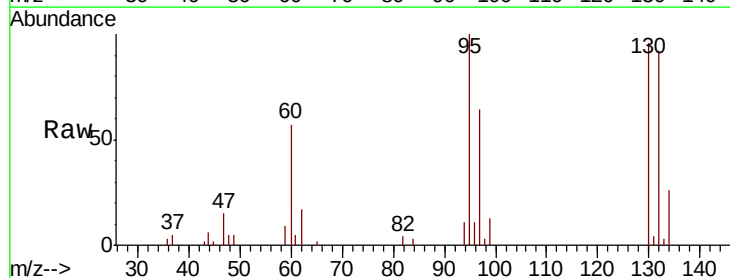
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-FOS4-SEP18

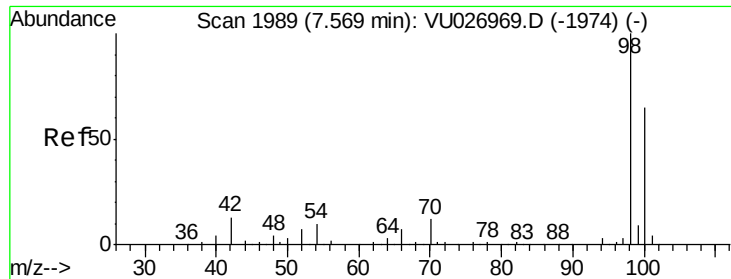
Tot Ion:113 Resp: 70168  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 82.2 123.4  
 192 18.1 15.2 22.8



#44  
 Trichloroethene  
 Concen: 6.137 ug/l  
 RT: 6.19 min Scan# 1560  
 Delta R.T. 0.00 min  
 Lab File: VU027178.D  
 Acq: 26 Sep 2018 15:27

Tgt Ion:130 Resp: 8626  
 Ion Ratio Lower Upper  
 130 100  
 95 103.9 0.0 208.8

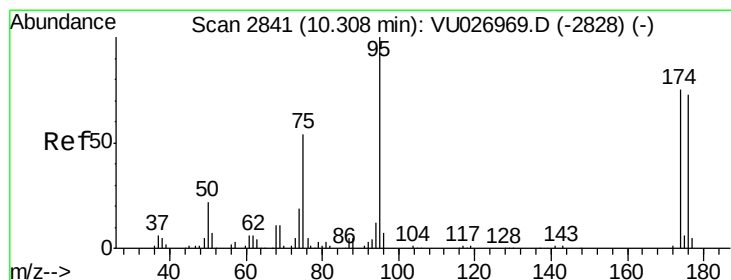
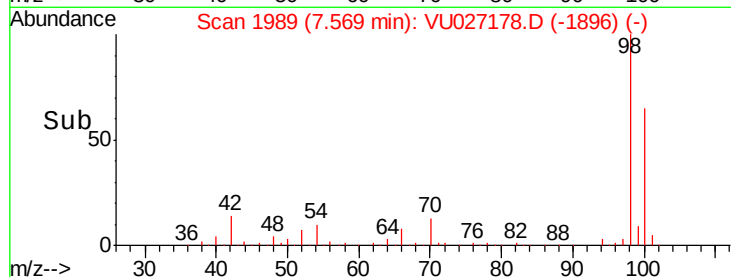
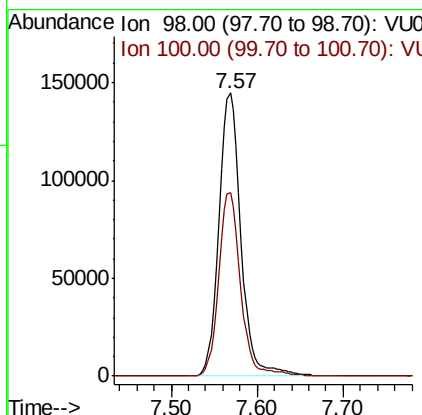
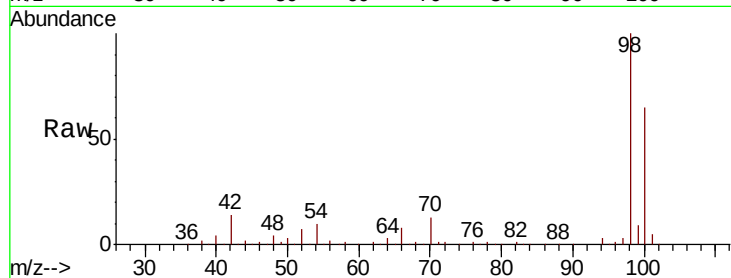




#50  
Toluene-d8  
Concen: 48.195 ug/l  
RT: 7.57 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VU027178.D  
Acq: 26 Sep 2018 15:27

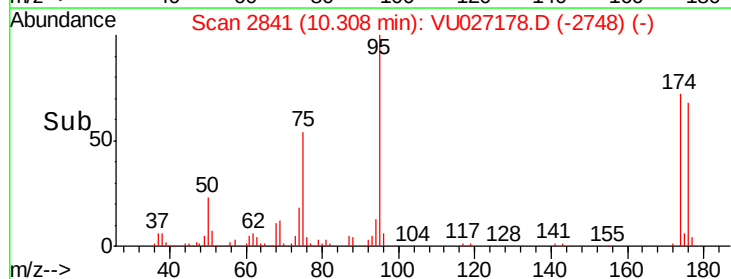
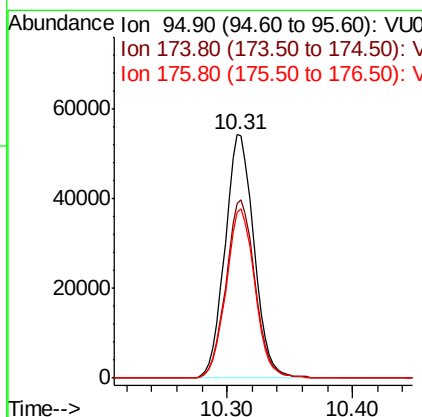
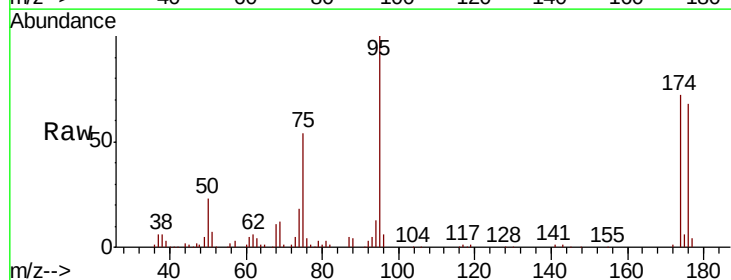
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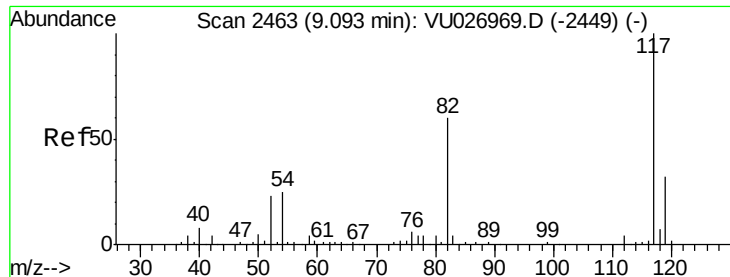
Tot Ion: 98 Resp: 259077  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 47.434 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU027178.D  
Acq: 26 Sep 2018 15:27

Tgt Ion: 95 Resp: 87494  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 150.2  
176 68.8 0.0 145.2

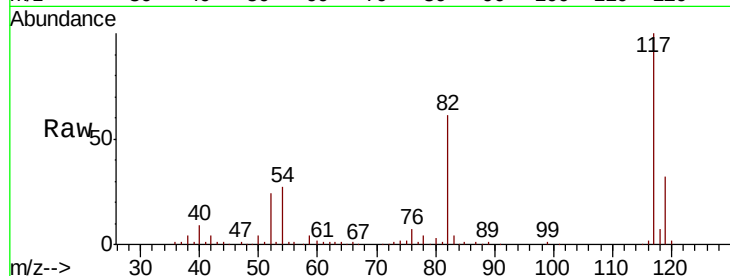




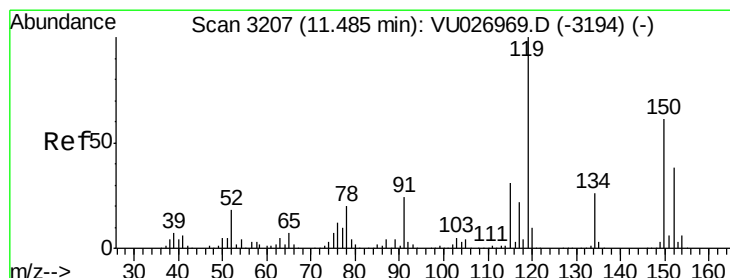
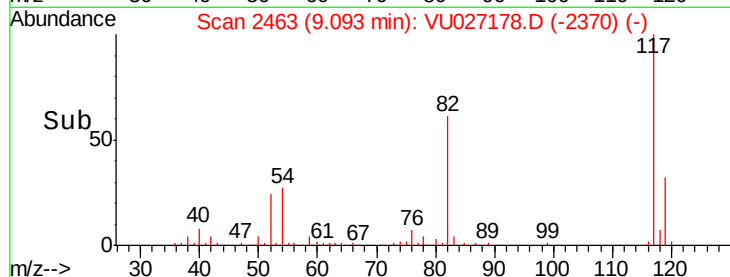
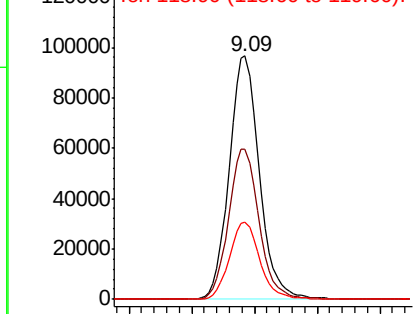
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU027178.D  
Acq: 26 Sep 2018 15:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-FOS4-SEP18

Tot Ion:117 Resp: 161327  
Ion Ratio Lower Upper  
117 100  
82 61.4 48.0 72.0  
119 32.0 25.8 38.8

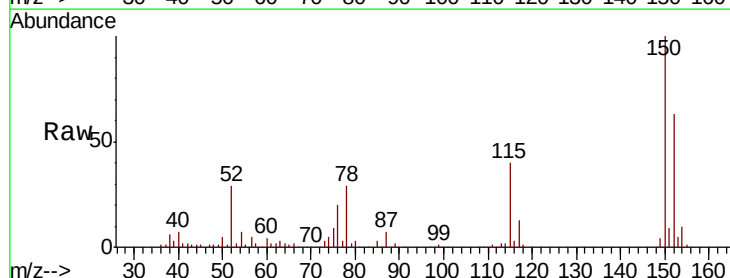


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. 0.00 min  
Lab File: VU027178.D  
Acq: 26 Sep 2018 15:27

Tgt Ion:152 Resp: 74554  
Ion Ratio Lower Upper  
152 100  
115 63.0 44.9 134.5  
150 158.7 0.0 355.8



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

