

Data File : VU027081.D  
Acq On : 23 Sep 2018 18:47  
Operator : MD/SY  
Sample : J4958-19  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 125 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-TT-SW4002-20180915

Quant Time: Sep 24 07:16:28 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  | 93295    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 160578   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 155505   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 72064    | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 99637    | 53.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.12% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 68561    | 49.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.52%  |      |
| 50) Toluene-d8            | 7.57   | 98  | 259871   | 48.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.98%  |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 83272    | 45.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.50%  |      |

Target Compounds

|                                |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 2.84  | 59  | 561   | 1.303     | ug/l # | 72     |
| 14) Allyl chloride             | 2.44  | 41  | 3427  | 1.311     | ug/l # | 73     |
| 16) Acetone                    | 2.32  | 43  | 1592  | Below Cal |        | 90     |
| 18) Methyl Acetate             | 2.44  | 43  | 8580  | 3.210     | ug/l # | 55     |
| 31) Cyclohexane                | 4.98  | 56  | 2471  | 0.311     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 4.98  | 75  | 8907  | 4.156     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 4.99  | 117 | 10338 | 5.069     | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone       | 7.57  | 43  | 1312  | 0.461     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75  | 45308 | 20.695    | ug/l # | 36     |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75  | 45308 | 66.229    | ug/l # | 100    |

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

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ALS Vial : 125 Sample Multiplier: 1

Instrument :

MSVOA\_U

ClientSampleId :

BP-TT-SW4002-20180915

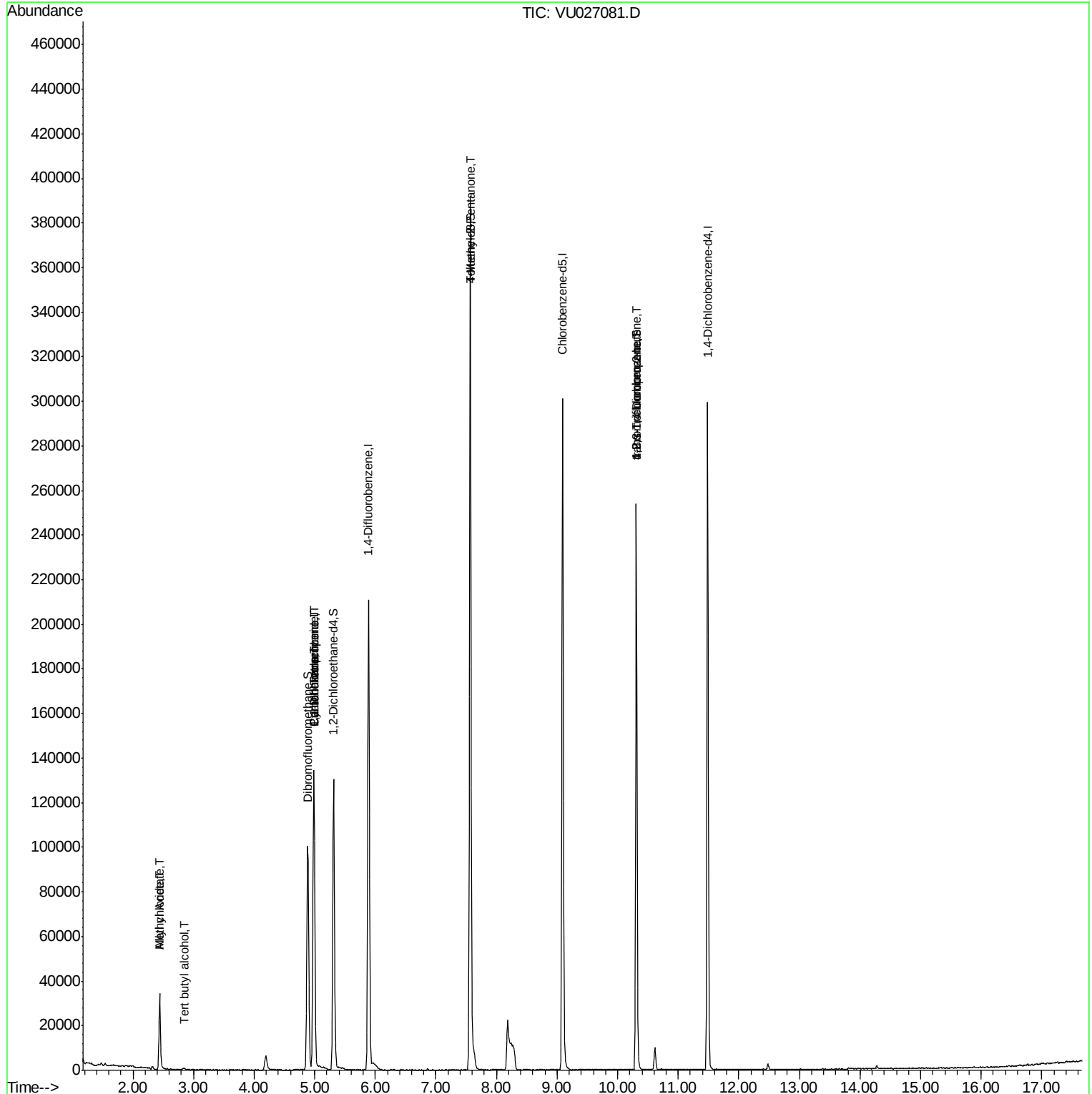
Quant Time: Sep 24 07:16:28 2018

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027081.D

Acq: 23 Sep 2018 18:47

Instrument :

MSVOA\_U

ClientSampleId :

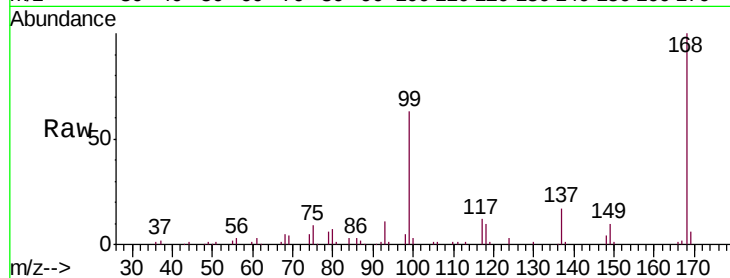
BP-TT-SW4002-20180915

Tgt Ion:168 Resp: 93295

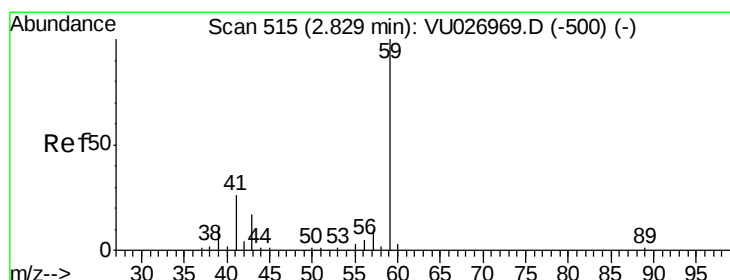
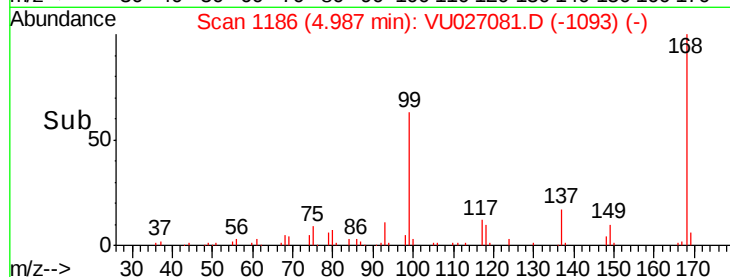
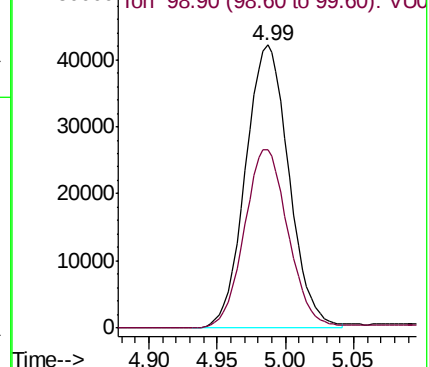
Ion Ratio Lower Upper

168 100

99 63.1 48.1 72.1



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



#11

Tert butyl alcohol

Concen: 1.303 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027081.D

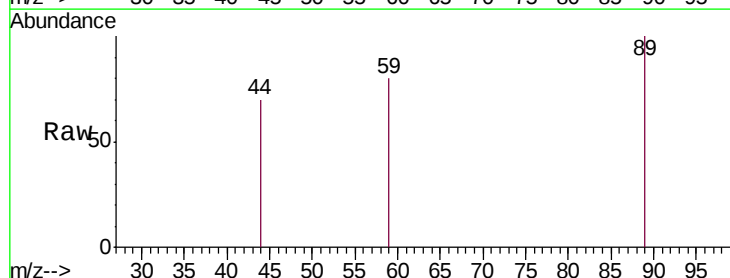
Acq: 23 Sep 2018 18:47

Tgt Ion: 59 Resp: 561

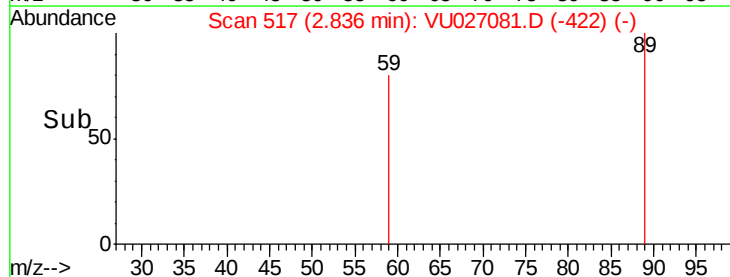
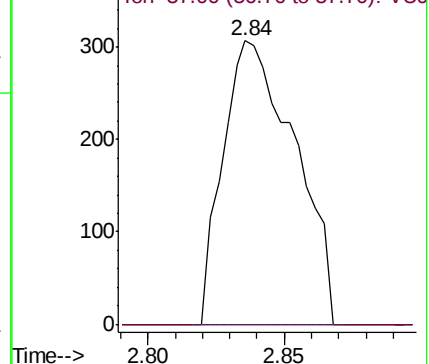
Ion Ratio Lower Upper

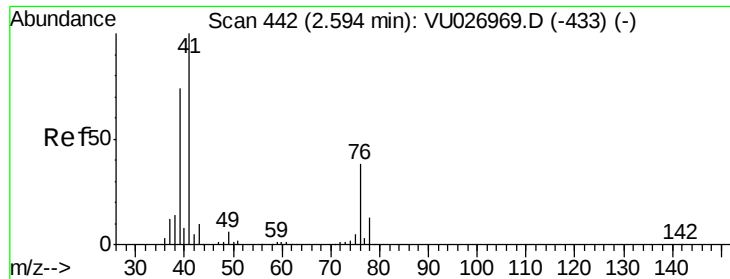
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

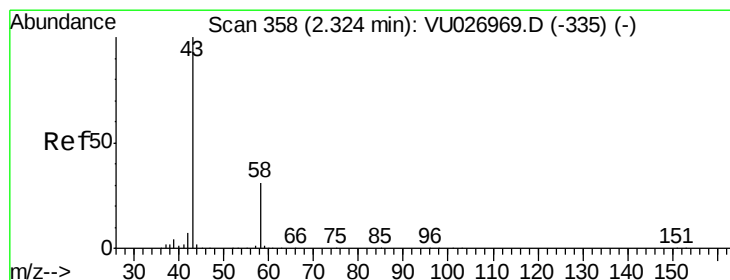
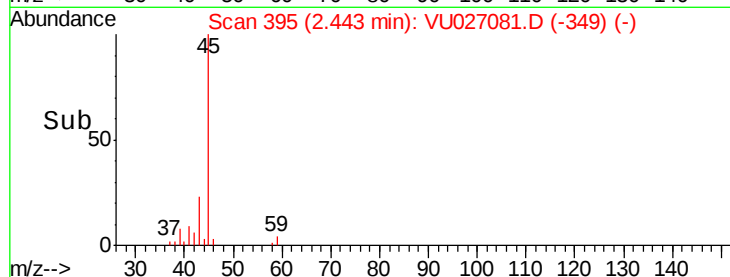
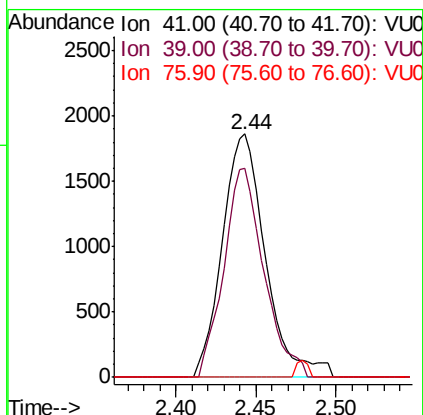
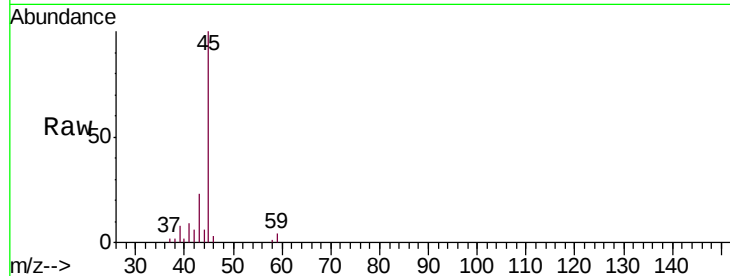




#14  
 Allyl chloride  
 Concen: 1.311 ug/l  
 RT: 2.44 min Scan# 395  
 Delta R.T. -0.15 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

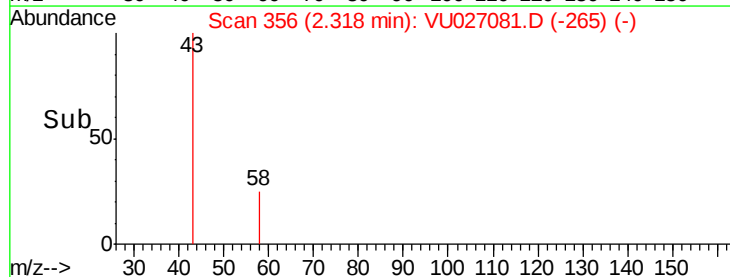
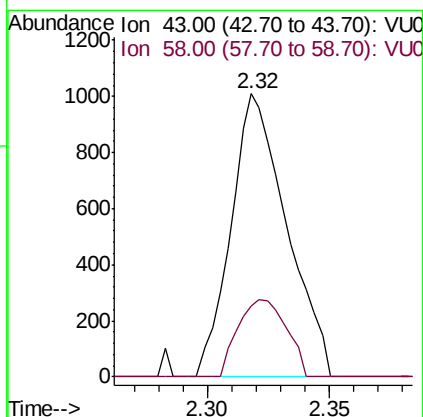
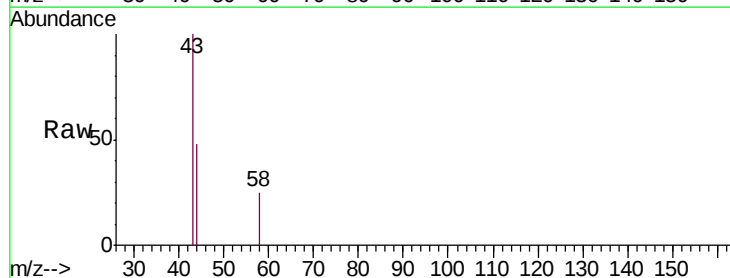
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BP-TT-SW4002-20180915

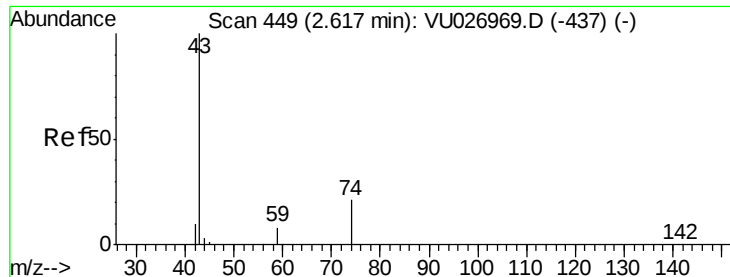
Tgt Ion: 41 Resp: 3427  
 Ion Ratio Lower Upper  
 41 100  
 39 79.4 55.7 83.5  
 76 0.0 26.5 39.7#



#16  
 Acetone  
 Concen: Below Cal  
 RT: 2.32 min Scan# 356  
 Delta R.T. -0.01 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

Tgt Ion: 43 Resp: 1592  
 Ion Ratio Lower Upper  
 43 100  
 58 25.0 24.6 36.8

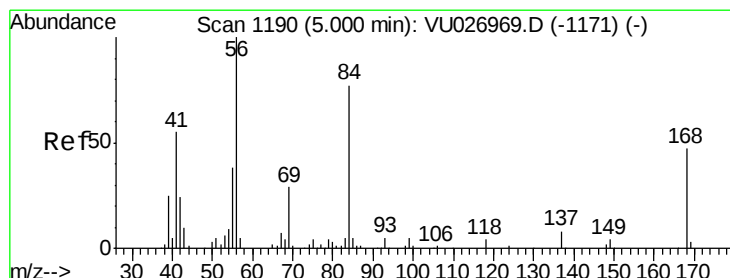
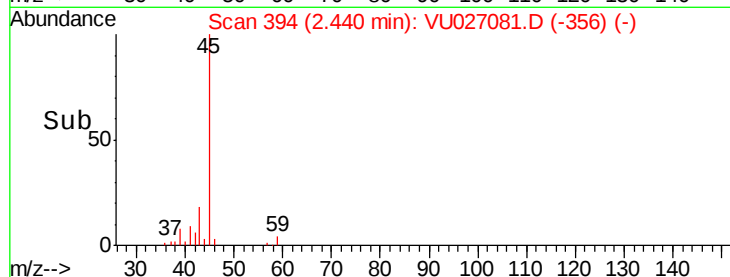
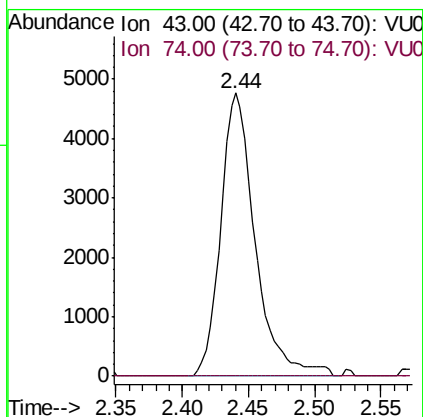
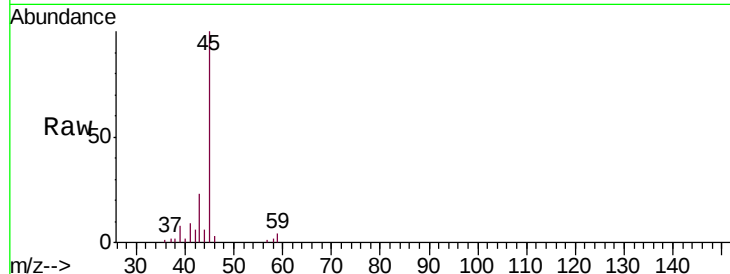




#18  
Methyl Acetate  
Concen: 3.210 ug/l  
RT: 2.44 min Scan# 394  
Delta R.T. -0.18 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

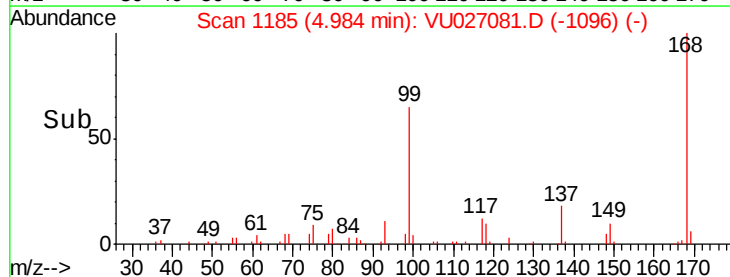
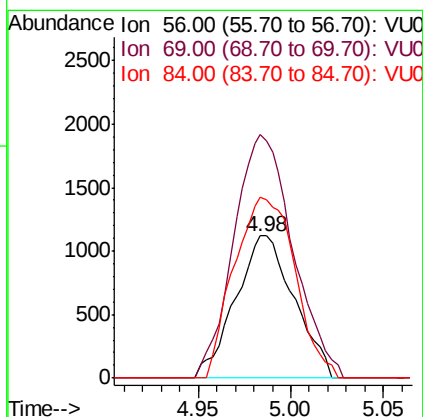
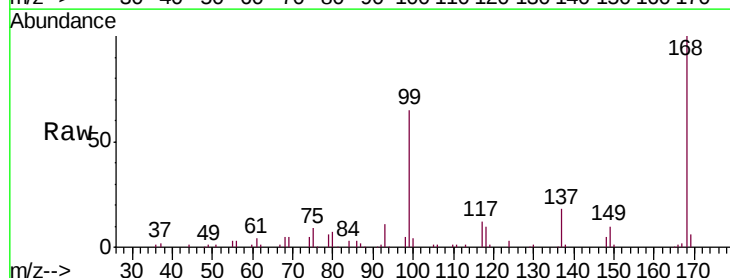
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-TT-SW4002-20180915

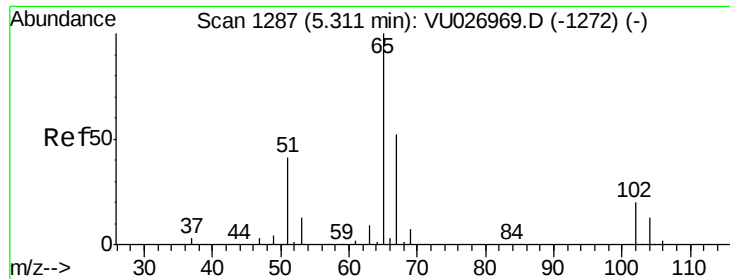
Tgt Ion: 43 Resp: 8580  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 25.0#



#31  
Cyclohexane  
Concen: 0.311 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. -0.02 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

Tgt Ion: 56 Resp: 2471  
Ion Ratio Lower Upper  
56 100  
69 171.6 23.0 34.4#  
84 127.8 61.4 92.2#

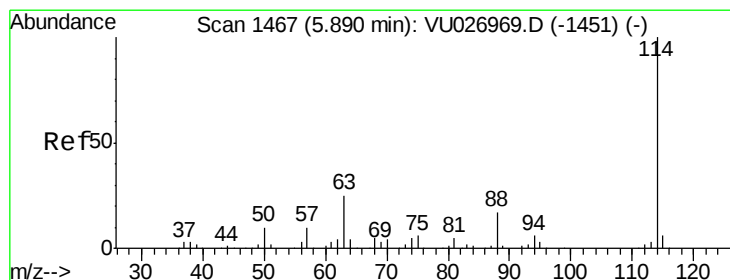
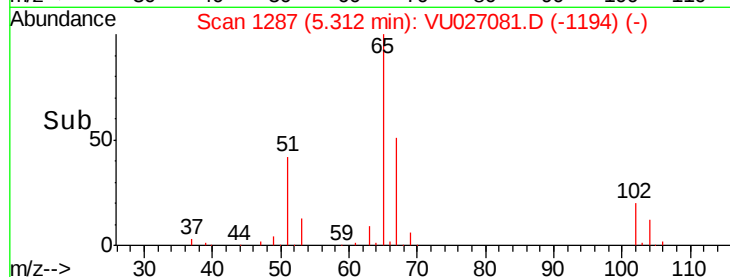
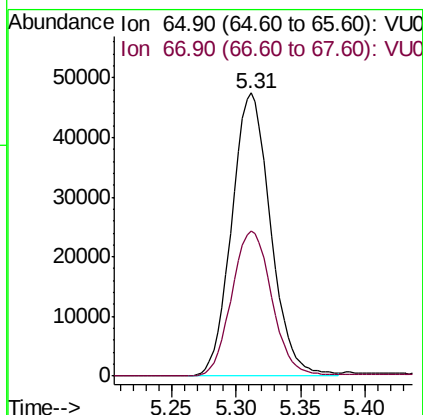
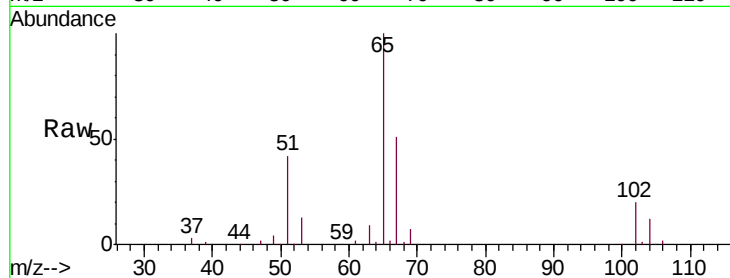




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.063 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

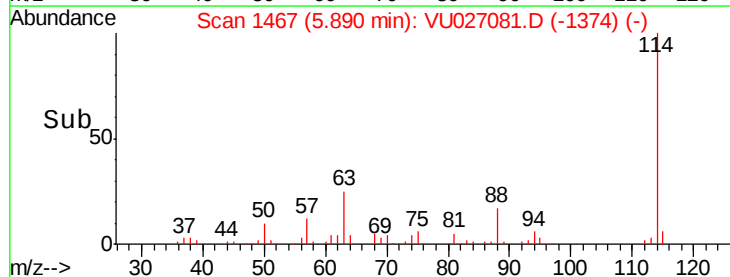
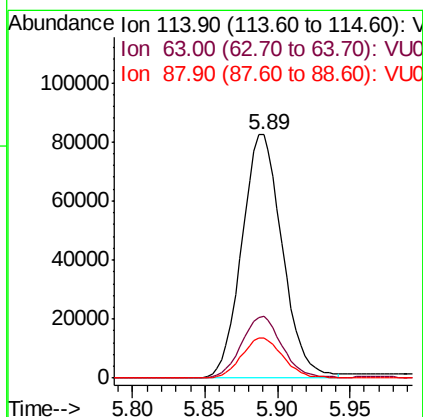
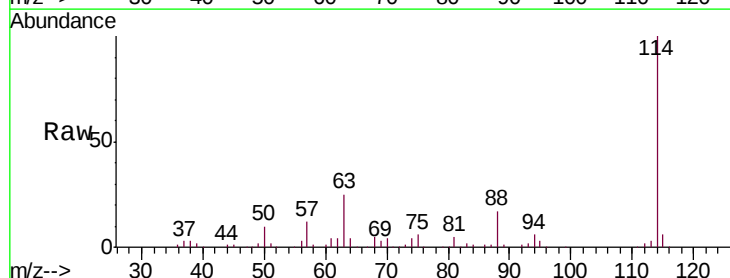
Instrument :  
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 ClientSampleId :  
 BP-TT-SW4002-20180915

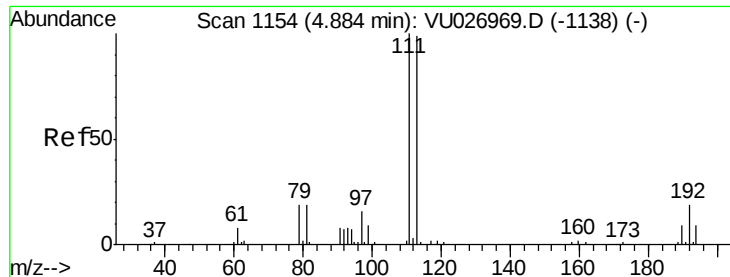
Tgt Ion: 65 Resp: 99637  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

Tgt Ion: 114 Resp: 160578  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 0.0 49.2  
 88 16.6 0.0 33.8

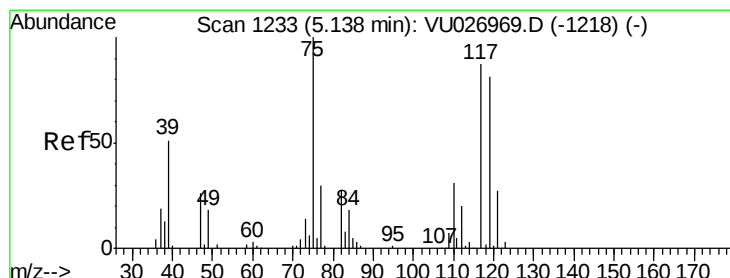
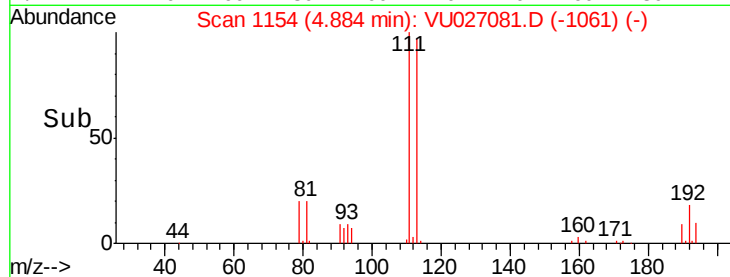
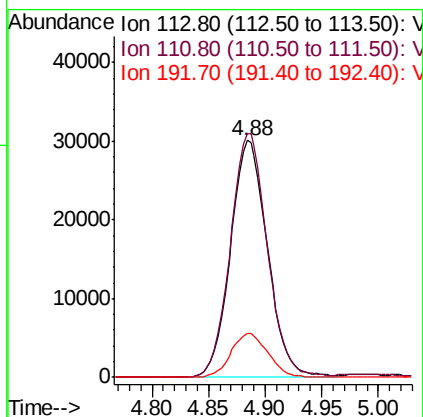
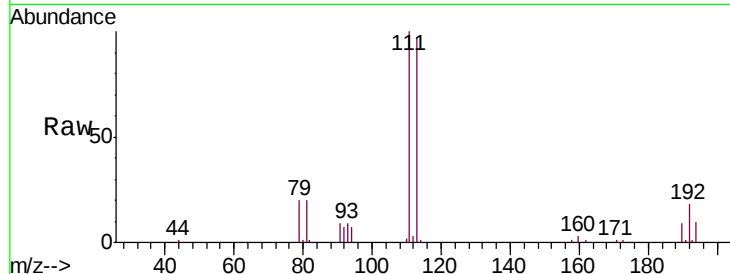




#35  
 Dibromofluoromethane  
 Concen: 49.257 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

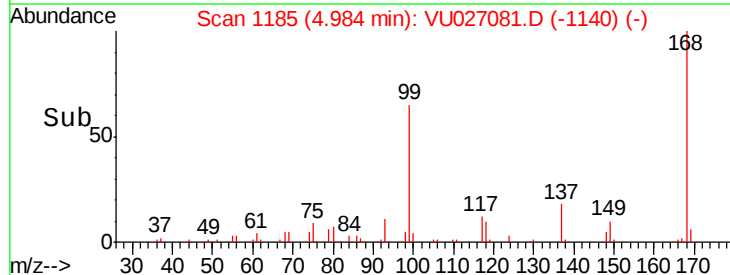
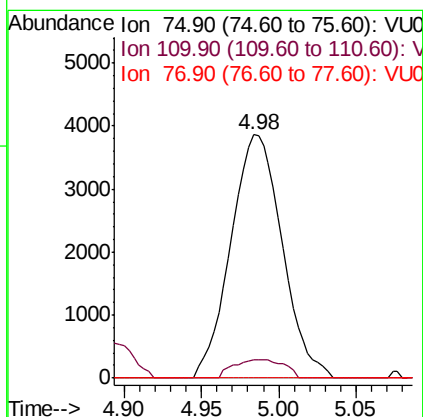
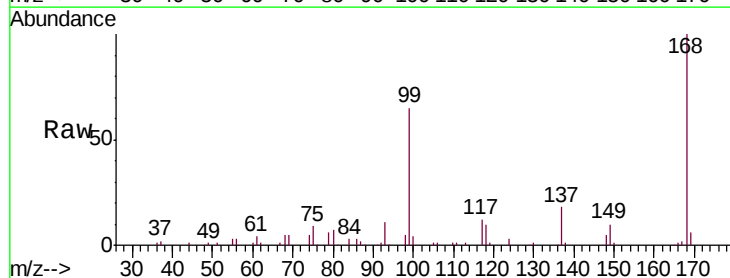
Instrument :  
 MSVOA\_U  
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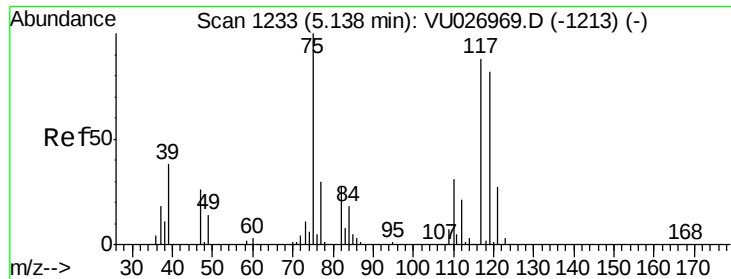
Tgt Ion:113 Resp: 68561  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.2 123.4  
 192 18.4 15.2 22.8



#36  
 1,1-Dichloropropene  
 Concen: 4.156 ug/l  
 RT: 4.98 min Scan# 1185  
 Delta R.T. -0.15 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

Tgt Ion: 75 Resp: 8907  
 Ion Ratio Lower Upper  
 75 100  
 110 7.5 16.1 48.2#  
 77 0.0 24.6 36.8#

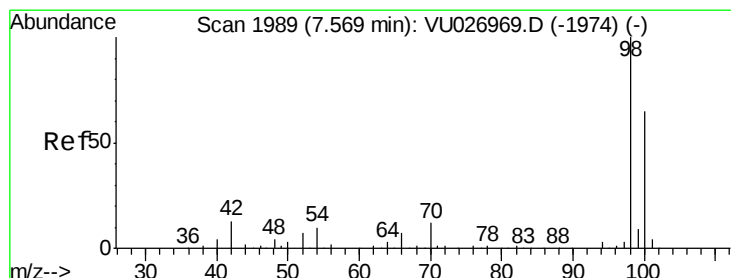
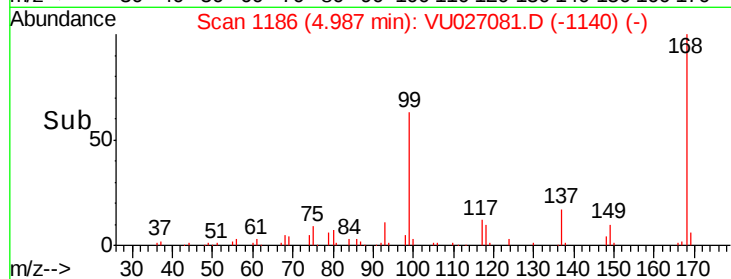
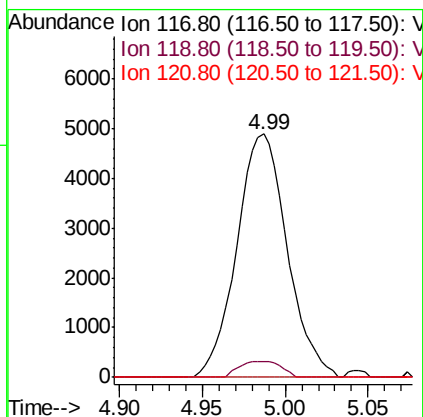
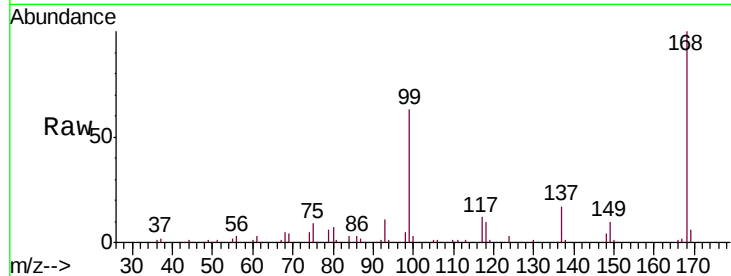




#38  
Carbon Tetrachloride  
Concen: 5.069 ug/l  
RT: 4.99 min Scan# 1186  
Delta R.T. -0.15 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

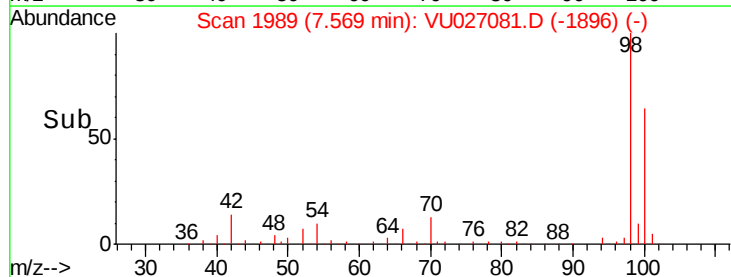
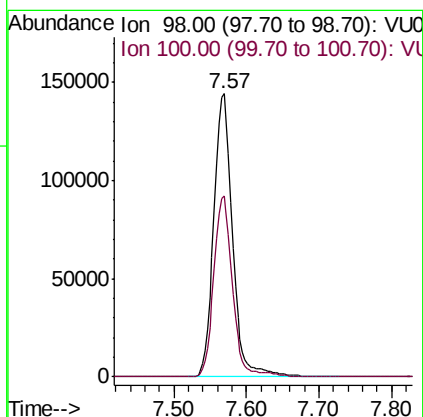
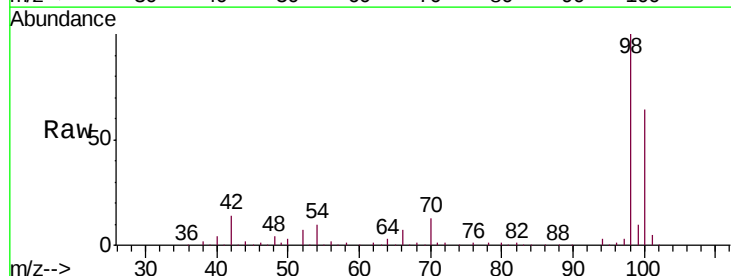
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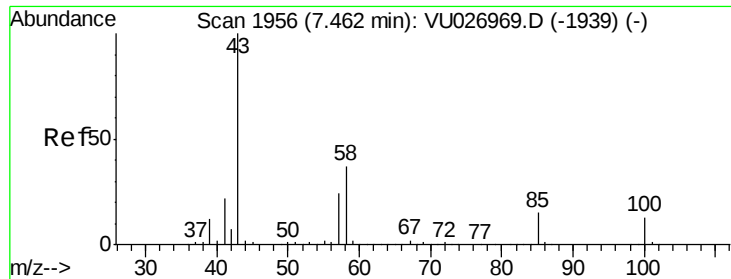
Tgt Ion:117 Resp: 10338  
Ion Ratio Lower Upper  
117 100  
119 6.2 74.4 111.6#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 48.990 ug/l  
RT: 7.57 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

Tgt Ion: 98 Resp: 259871  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.1 78.1

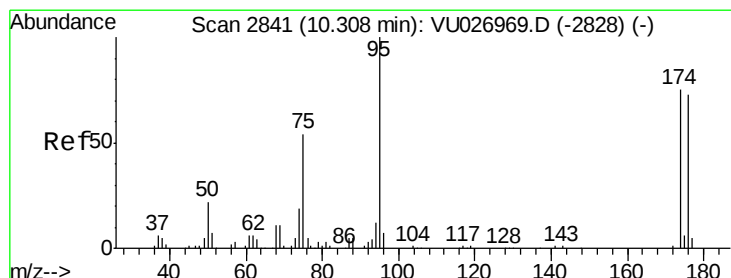
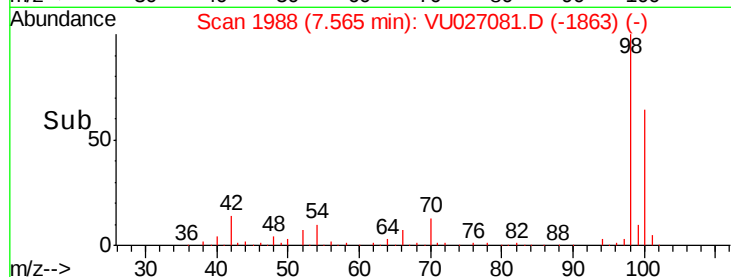
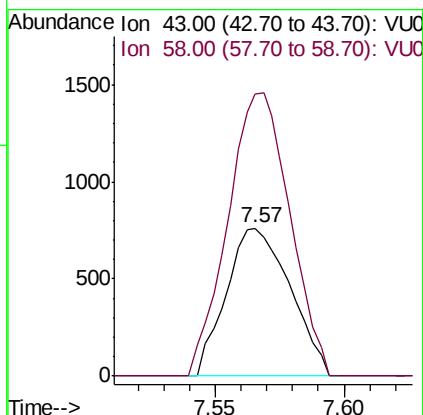
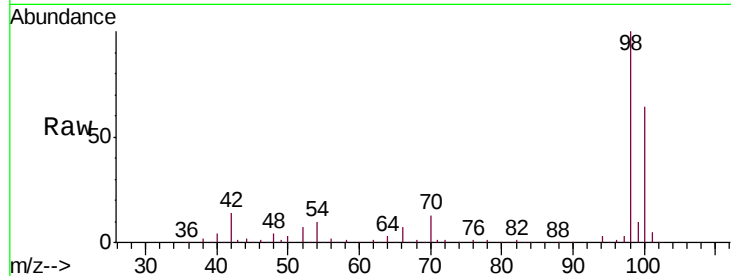




#51  
4-Methyl-2-Pentanone  
Concen: 0.461 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. 0.10 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

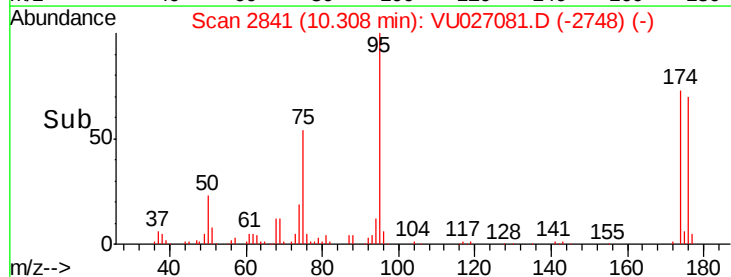
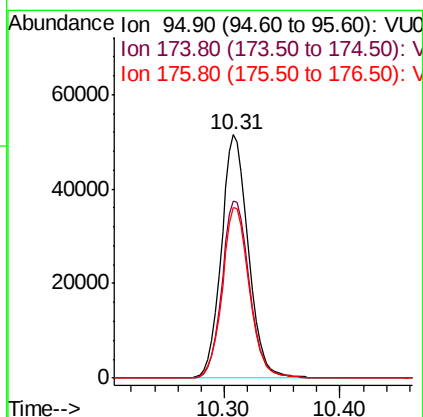
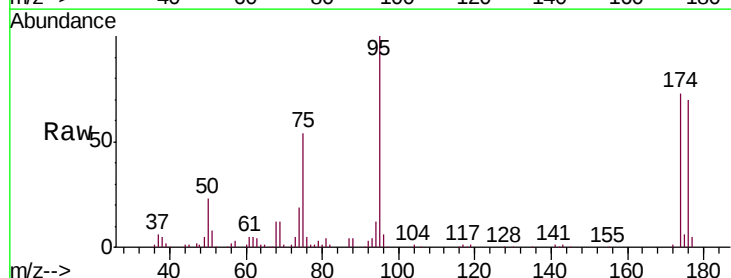
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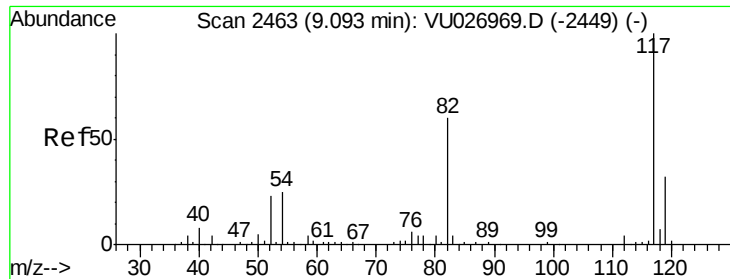
Tgt Ion: 43 Resp: 1312  
Ion Ratio Lower Upper  
43 100  
58 186.2 29.8 44.6#



#62  
4-Bromofluorobenzene  
Concen: 45.750 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

Tgt Ion: 95 Resp: 83272  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 150.2  
176 70.0 0.0 145.2

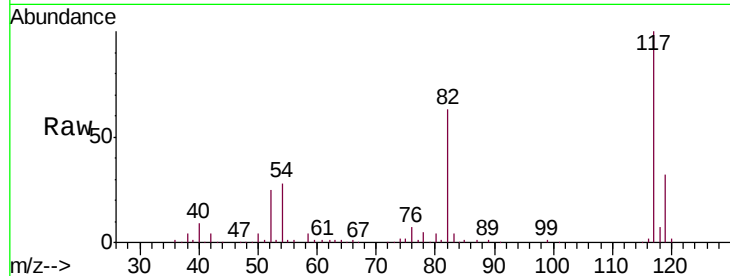




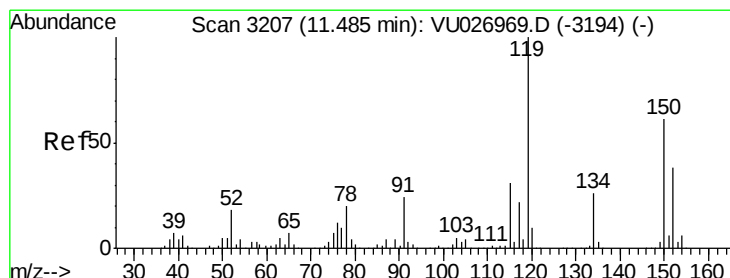
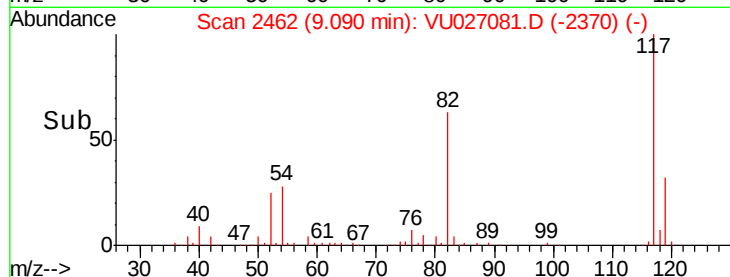
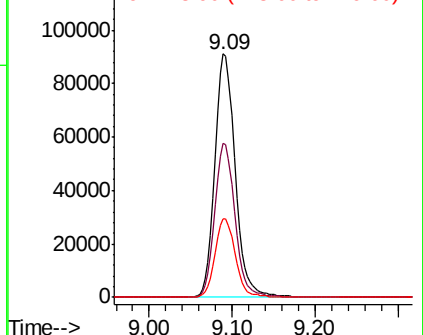
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-TT-SW4002-20180915

Tgt Ion:117 Resp: 155505  
Ion Ratio Lower Upper  
117 100  
82 63.0 48.0 72.0  
119 32.5 25.8 38.8

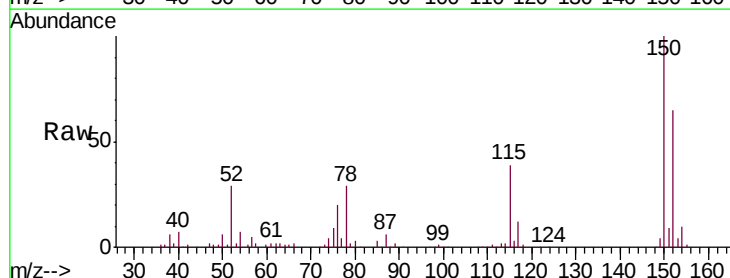


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)  
Ion 118.90 (118.60 to 119.60): V

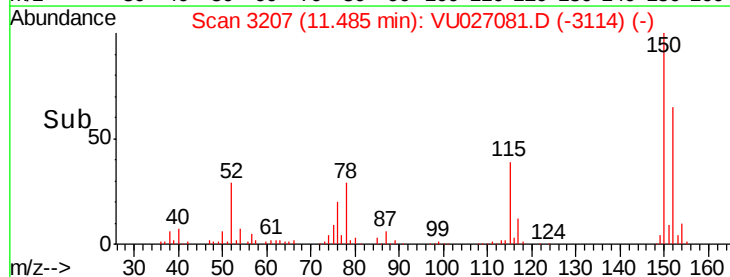
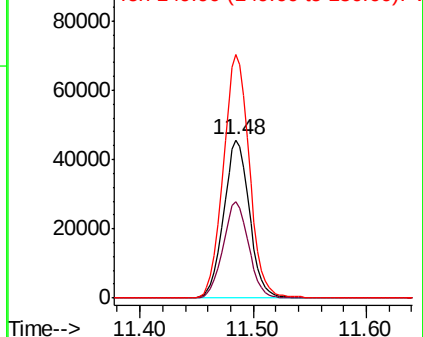


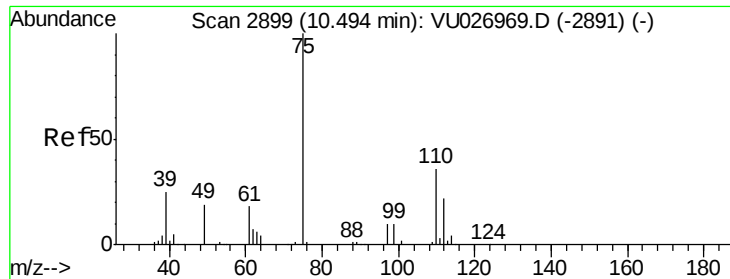
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. 0.00 min  
Lab File: VU027081.D  
Acq: 23 Sep 2018 18:47

Tgt Ion:152 Resp: 72064  
Ion Ratio Lower Upper  
152 100  
115 60.5 44.9 134.5  
150 155.9 0.0 355.8



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

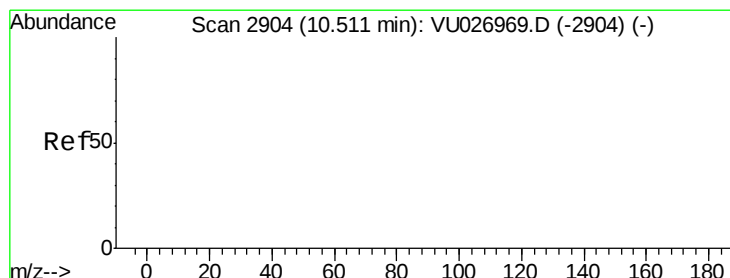
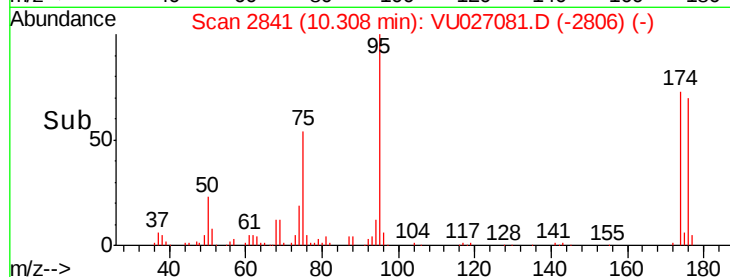
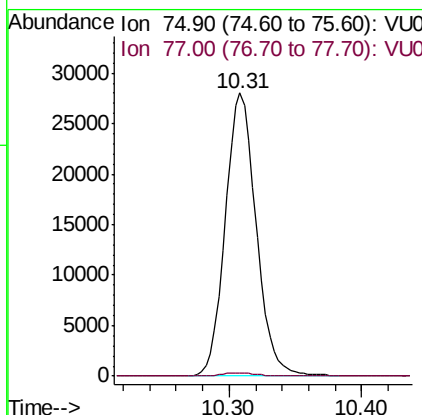
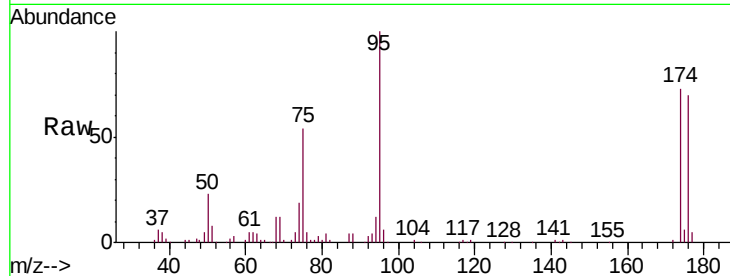




#76  
 1,2,3-Trichloropropane  
 Concen: 20.695 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. -0.19 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BP-TT-SW4002-20180915

Tgt Ion: 75 Resp: 45308  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.9 62.8#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.229 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. -0.21 min  
 Lab File: VU027081.D  
 Acq: 23 Sep 2018 18:47

Tgt Ion: 75 Resp: 45308  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0

