

Data File : VW003467.D  
Acq On : 23 Jun 2018 18:11  
Operator : SY/AP  
Sample : J3664-10  
Misc : 6.83G/5ML/MSVOA\_W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP021SB476-31-33-180619

Quant Time: Jun 25 04:01:18 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 05:18:54 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 162303   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 257483   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 234554   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 114194   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 84495    | 48.06 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.12% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 69410    | 43.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.76% |      |
| 50) Toluene-d8              | 10.33  | 98  | 229900   | 36.24 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.48% |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 78560    | 34.99 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 69.98% |      |

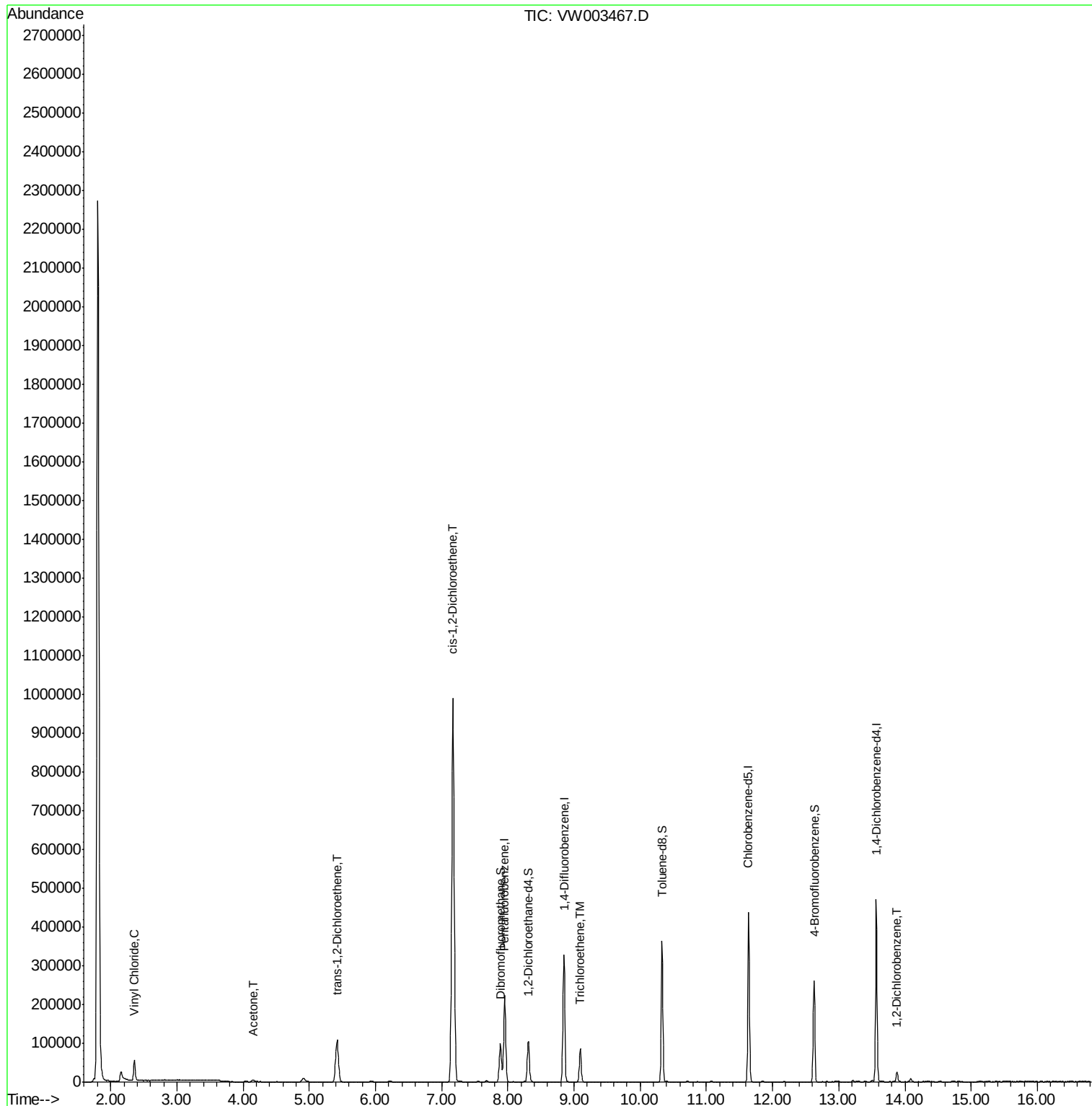
|                              |       |     |        |         |      |    |
|------------------------------|-------|-----|--------|---------|------|----|
| Target Compounds             |       |     |        | Qvalue  |      |    |
| 4) Vinyl Chloride            | 2.36  | 62  | 55349  | 30.625  | ug/l | 97 |
| 16) Acetone                  | 4.15  | 43  | 8555   | 23.203  | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.42  | 96  | 65304  | 40.841  | ug/l | 98 |
| 27) cis-1,2-Dichloroethene   | 7.17  | 96  | 568939 | 323.894 | ug/l | 92 |
| 44) Trichloroethene          | 9.10  | 130 | 28788  | 15.851  | ug/l | 97 |
| 91) 1,2-Dichlorobenzene      | 13.88 | 146 | 9801   | 2.944   | ug/l | 97 |

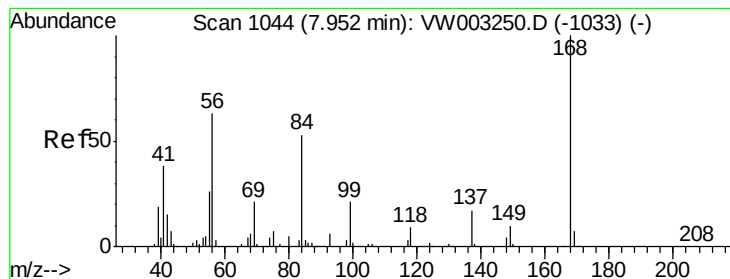
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003467.D

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Instrument :

MSVOA\_W

ClientSampleId :

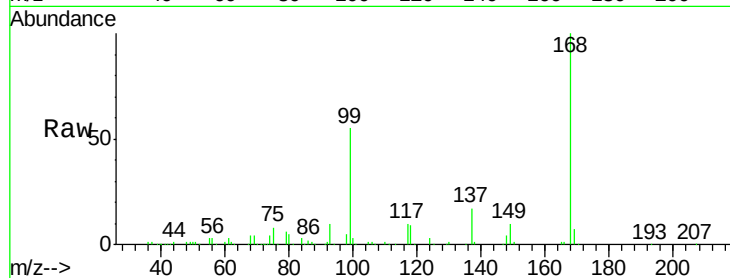
WP021SB476-31-33-180619

Tgt Ion:168 Resp: 162303

Ion Ratio Lower Upper

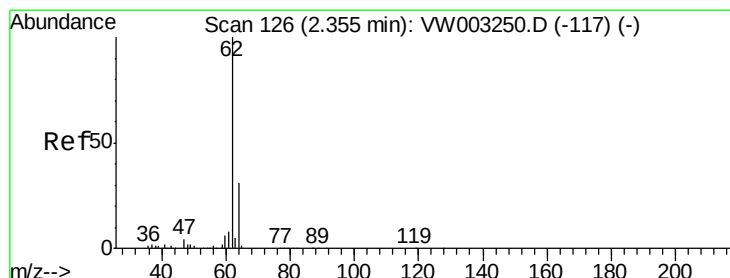
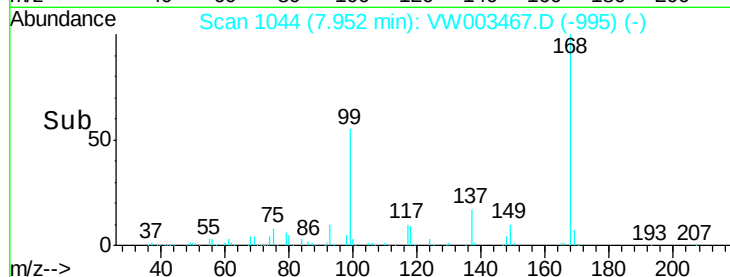
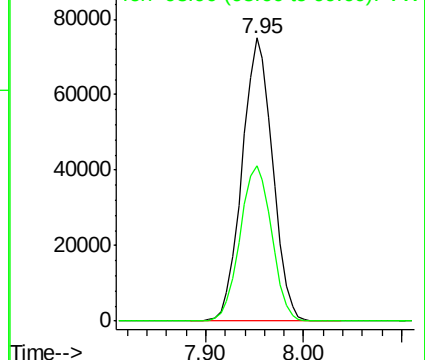
168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 30.625 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003467.D

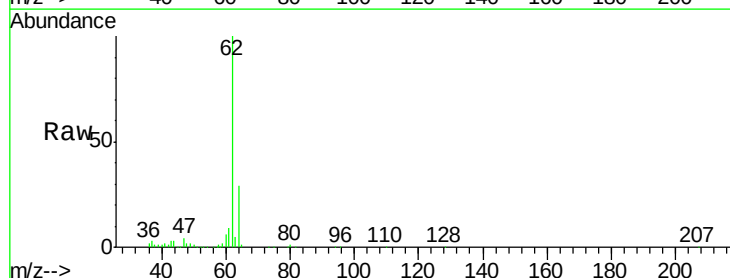
Acq: 23 Jun 2018 18:11

Tgt Ion: 62 Resp: 55349

Ion Ratio Lower Upper

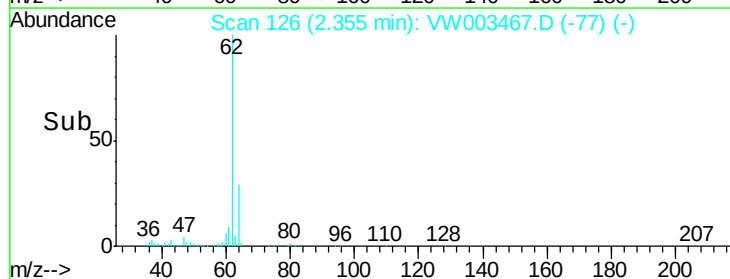
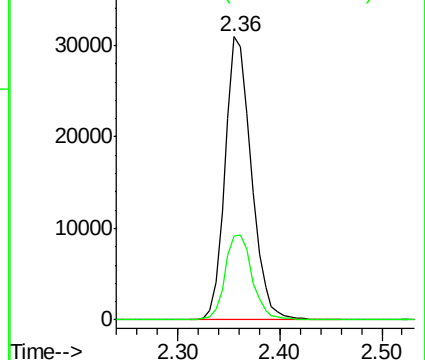
62 100

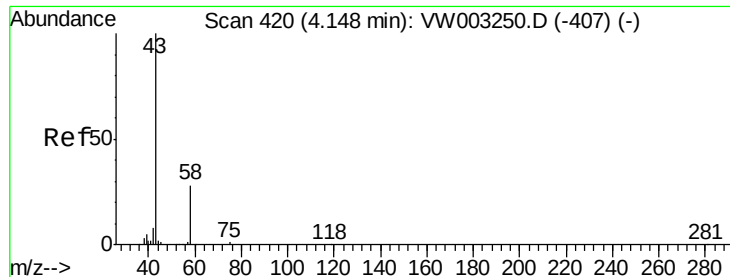
64 29.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#16

Acetone

Concen: 23.203 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA\_W

ClientSampleId :

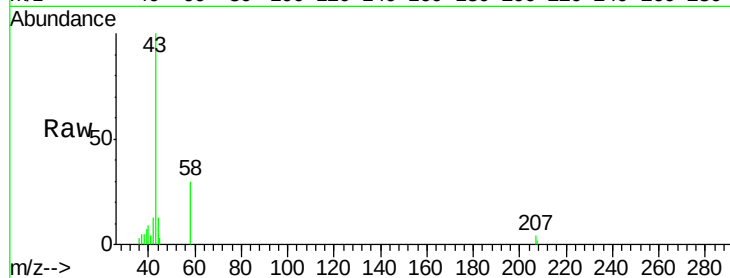
WP021SB476-31-33-180619

Tgt Ion: 43 Resp: 8555

Ion Ratio Lower Upper

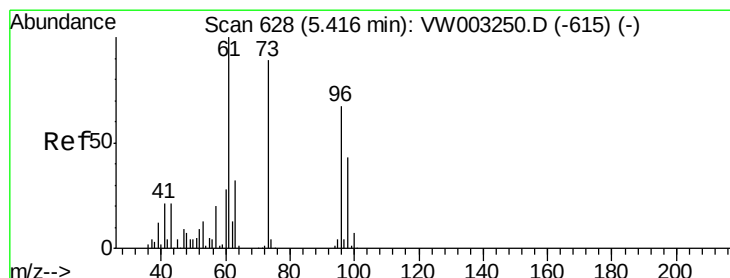
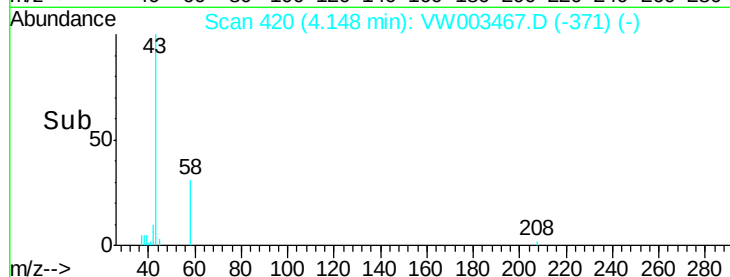
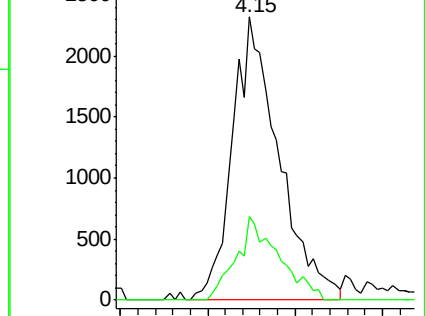
43 100

58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

trans-1,2-Dichloroethene

Concen: 40.841 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

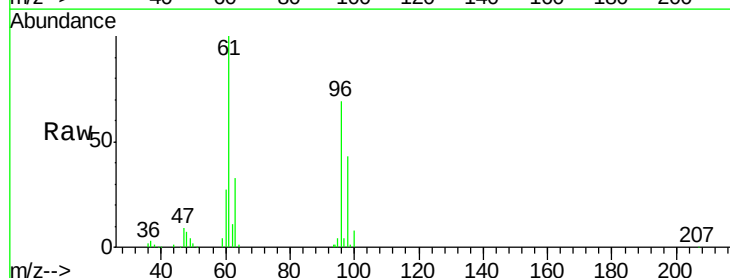
Tgt Ion: 96 Resp: 65304

Ion Ratio Lower Upper

96 100

61 145.6 118.7 178.1

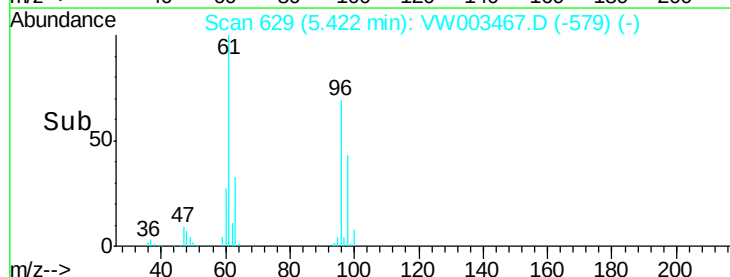
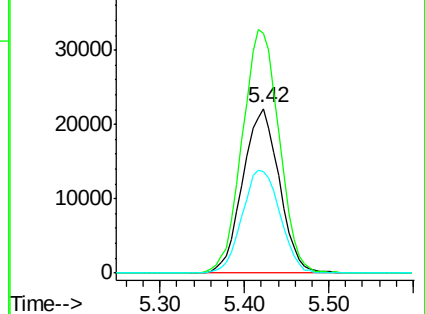
98 62.0 51.0 76.6

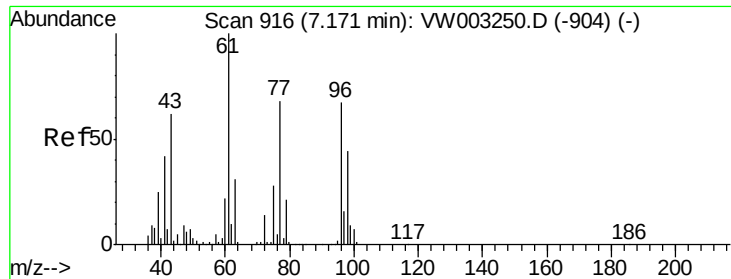


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



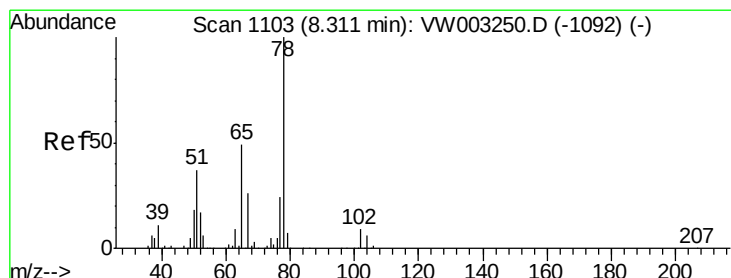
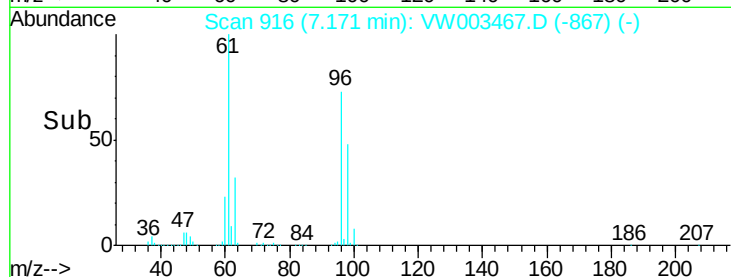
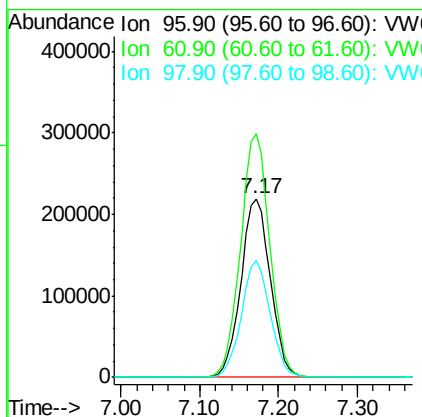
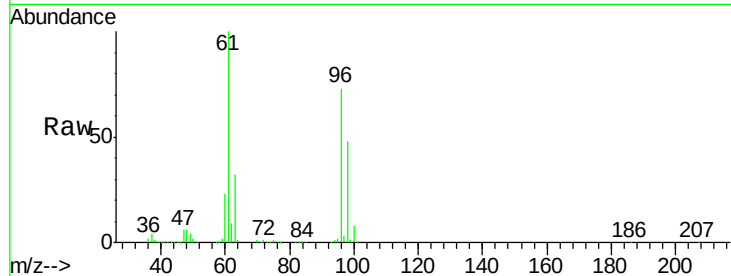


#27

cis-1,2-Dichloroethene  
 Concen: 323.894 ug/l  
 RT: 7.17 min Scan# 916  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB476-31-33-180619

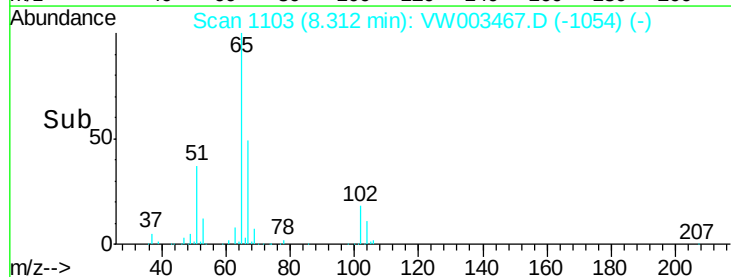
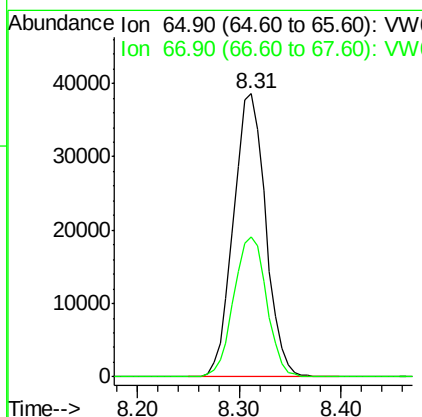
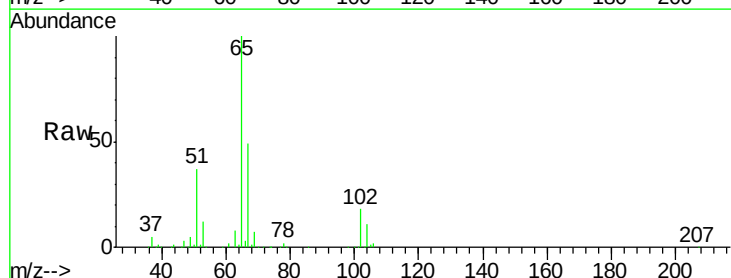
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.9 | 0.0   | 298.8 |
| 98      | 64.0  | 0.0   | 130.4 |

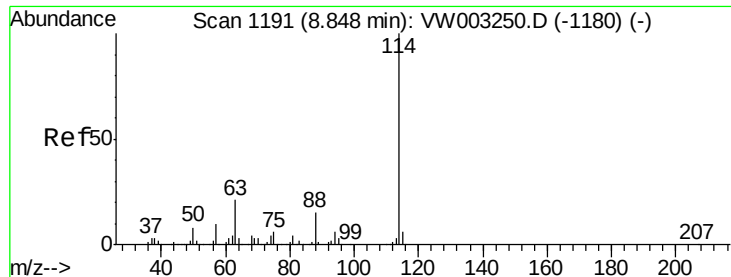


#33

1,2-Dichloroethane-d4  
 Concen: 48.063 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.3  | 0.0   | 104.2 |

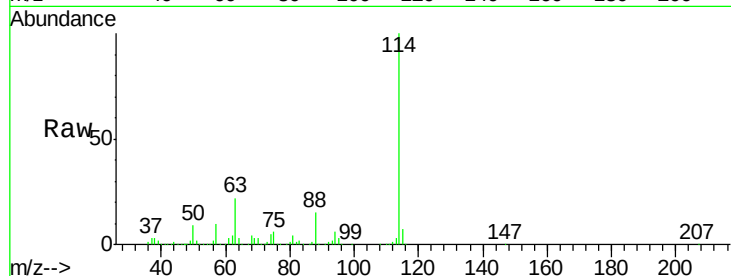




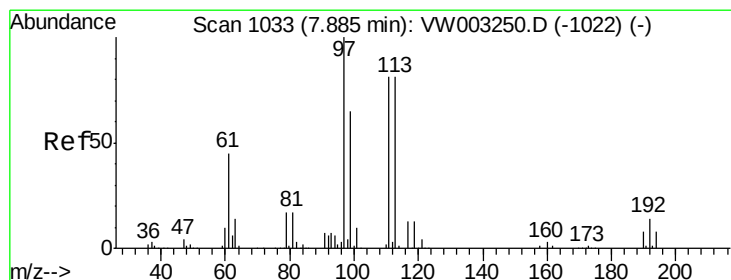
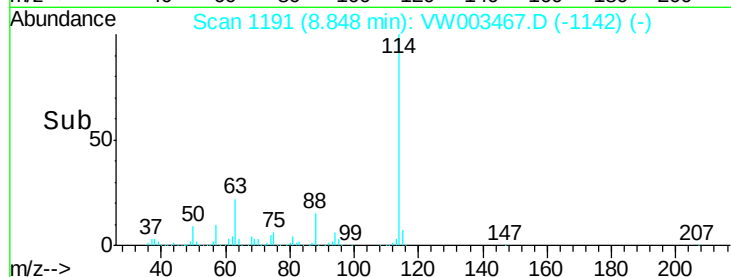
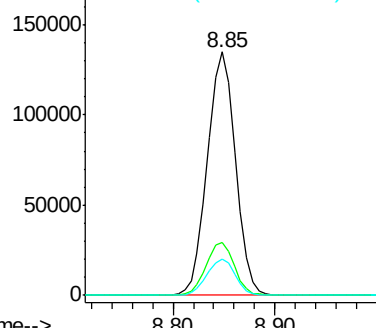
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP021SB476-31-33-180619

Tgt Ion:114 Resp: 257483  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 43.0  
 88 15.0 0.0 29.6

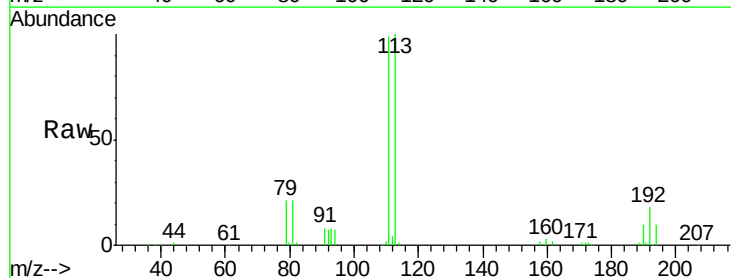


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

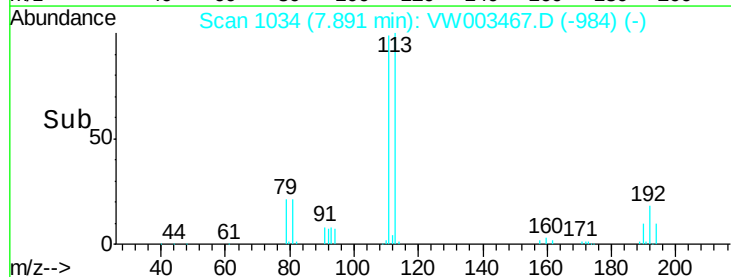
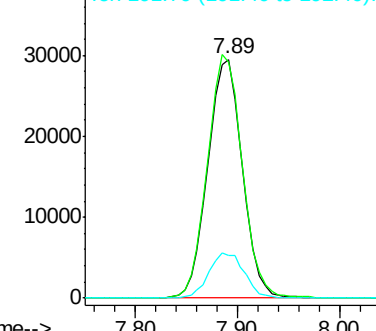


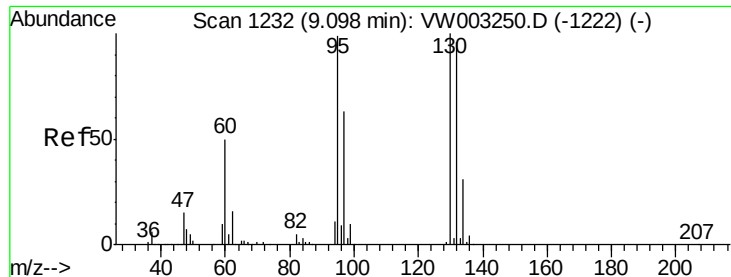
#35  
 Dibromofluoromethane  
 Concen: 43.383 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Tgt Ion:113 Resp: 69410  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.2 123.2  
 192 19.6 16.2 24.2



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: 15.851 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003467.D

Acq: 23 Jun 2018 18:11

Instrument :

MSVOA\_W

ClientSampleId :

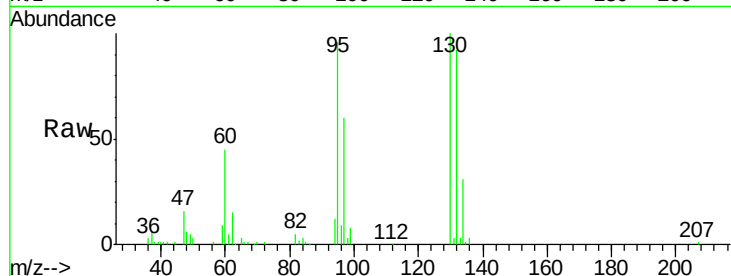
WP021SB476-31-33-180619

Tgt Ion:130 Resp: 28788

Ion Ratio Lower Upper

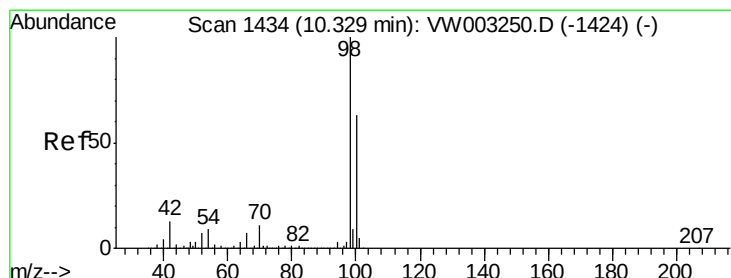
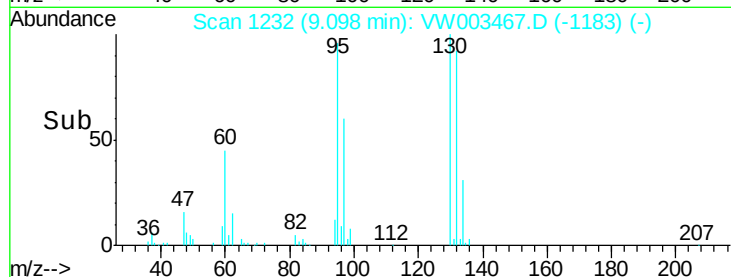
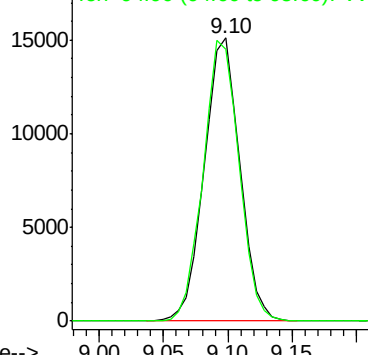
130 100

95 96.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 36.239 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003467.D

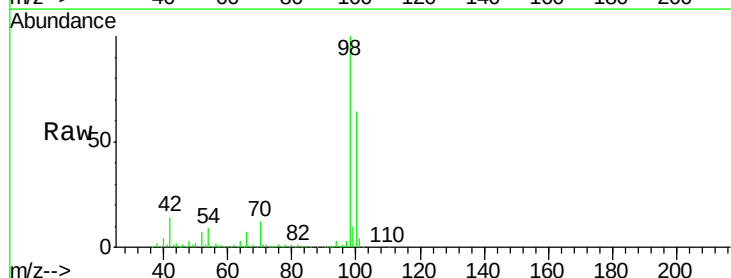
Acq: 23 Jun 2018 18:11

Tgt Ion: 98 Resp: 229900

Ion Ratio Lower Upper

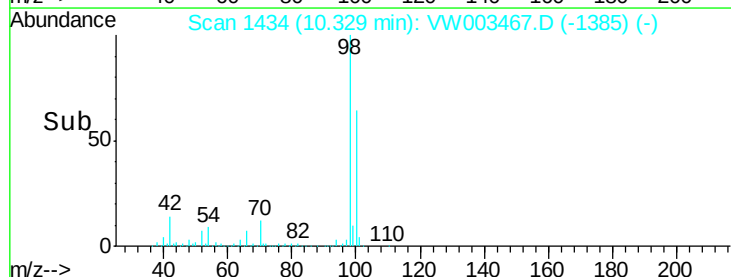
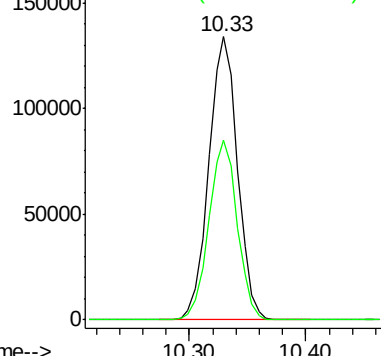
98 100

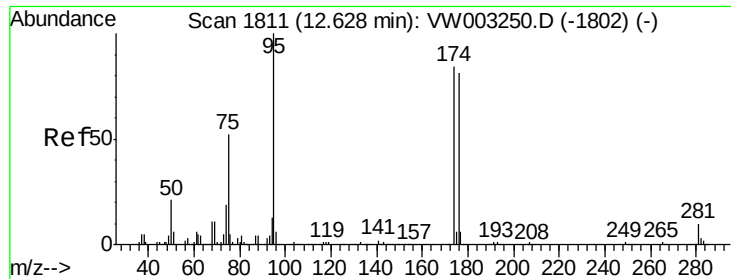
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

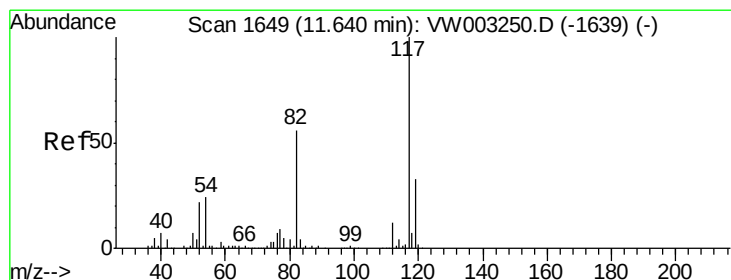
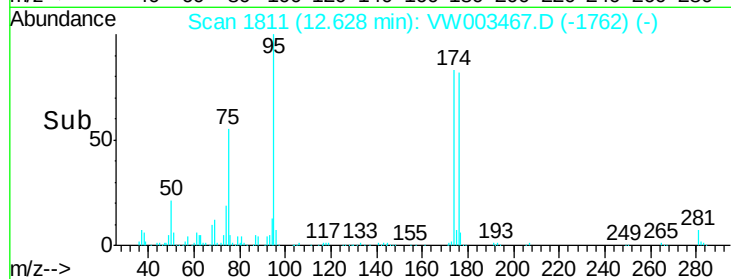
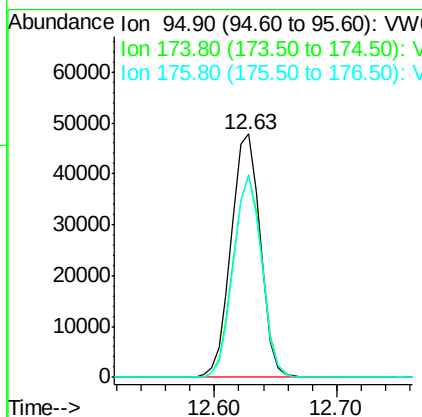
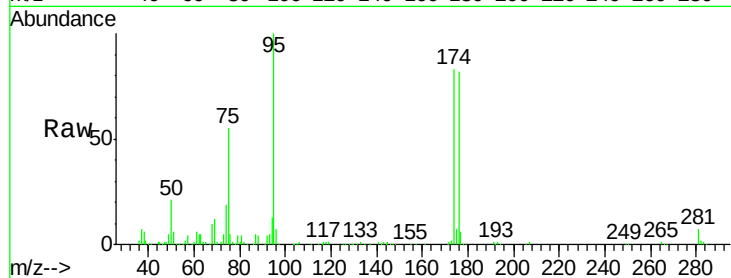




#62  
 4-Bromofluorobenzene  
 Concen: 34.992 ug/l  
 RT: 12.63 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

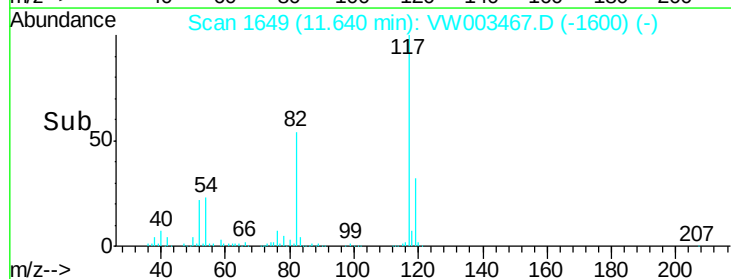
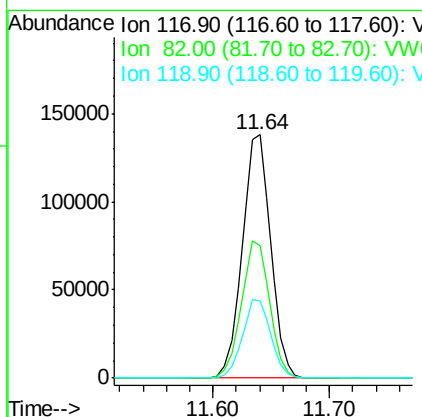
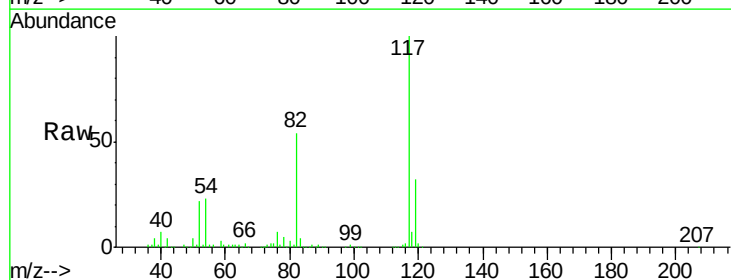
Instrument :  
 MSVOA\_W  
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 WP021SB476-31-33-180619

Tgt Ion: 95 Resp: 78560  
 Ion Ratio Lower Upper  
 95 100  
 174 82.7 0.0 166.4  
 176 80.3 0.0 162.0

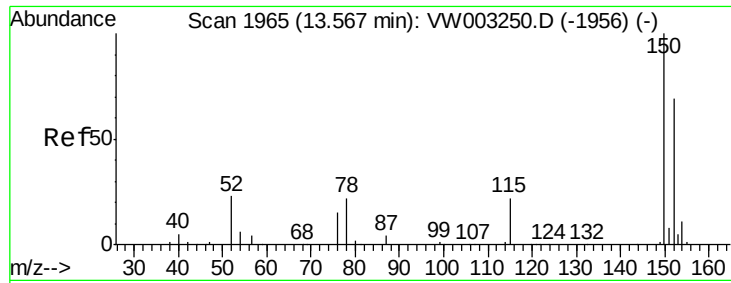


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.64 min Scan# 1649  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Tgt Ion: 117 Resp: 234554  
 Ion Ratio Lower Upper  
 117 100  
 82 54.3 44.6 67.0  
 119 31.5 26.7 40.1



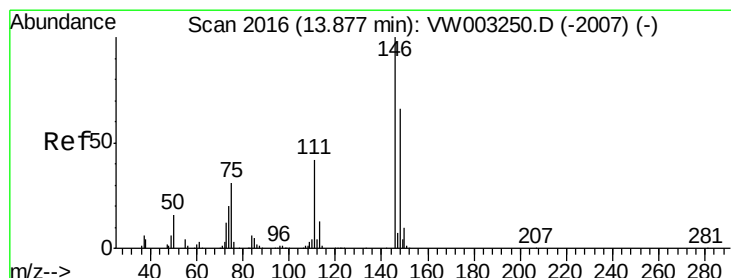
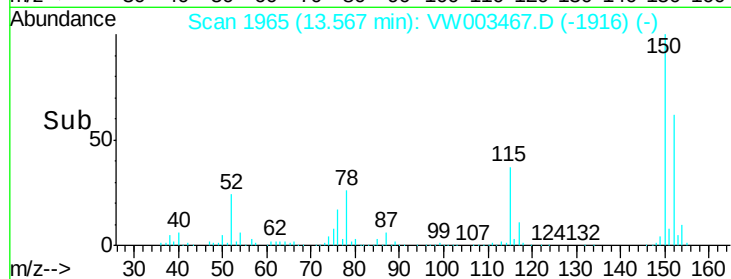
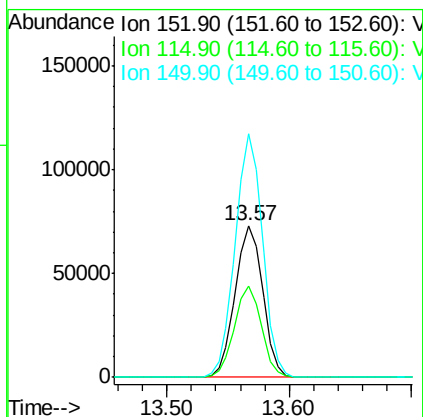
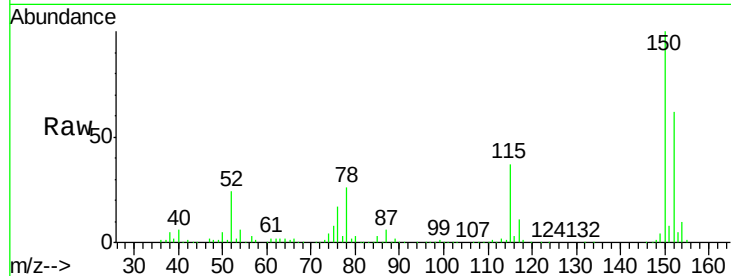




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Instrument :  
 MSVOA\_W  
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 WP021SB476-31-33-180619

Tgt Ion:152 Resp: 114194  
 Ion Ratio Lower Upper  
 152 100  
 115 58.8 29.3 88.0  
 150 158.7 0.0 349.6



#91  
 1,2-Dichlorobenzene  
 Concen: 2.944 ug/l  
 RT: 13.88 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: VW003467.D  
 Acq: 23 Jun 2018 18:11

Tgt Ion:146 Resp: 9801  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 20.3 61.0  
 148 61.8 32.3 96.9

