

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070918\  
 Data File : VV006562.D  
 Acq On : 09 Jul 2018 16:48  
 Operator : SY/MD  
 Sample : J3792-11RE  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB0H6RE

Quant Time: Jul 09 23:05:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jul 09 22:52:57 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 344445   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 315180   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 149820   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 80164    | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 74315    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 106657   | 3.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20% |
| 20) 2-Butanone-d5              | 3.97   | 46    | 207713   | 43.67    | ug/L | 0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.34% |
| 24) Chloroform-d               | 4.41   | 84    | 162978   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 77967    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 339119   | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 108932   | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.40% |
| 41) Toluene-d8                 | 7.37   | 98    | 295528   | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.00% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 35775    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 179850   | 45.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.06% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 81966    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 122510   | 4.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.00% |

## Target Compounds

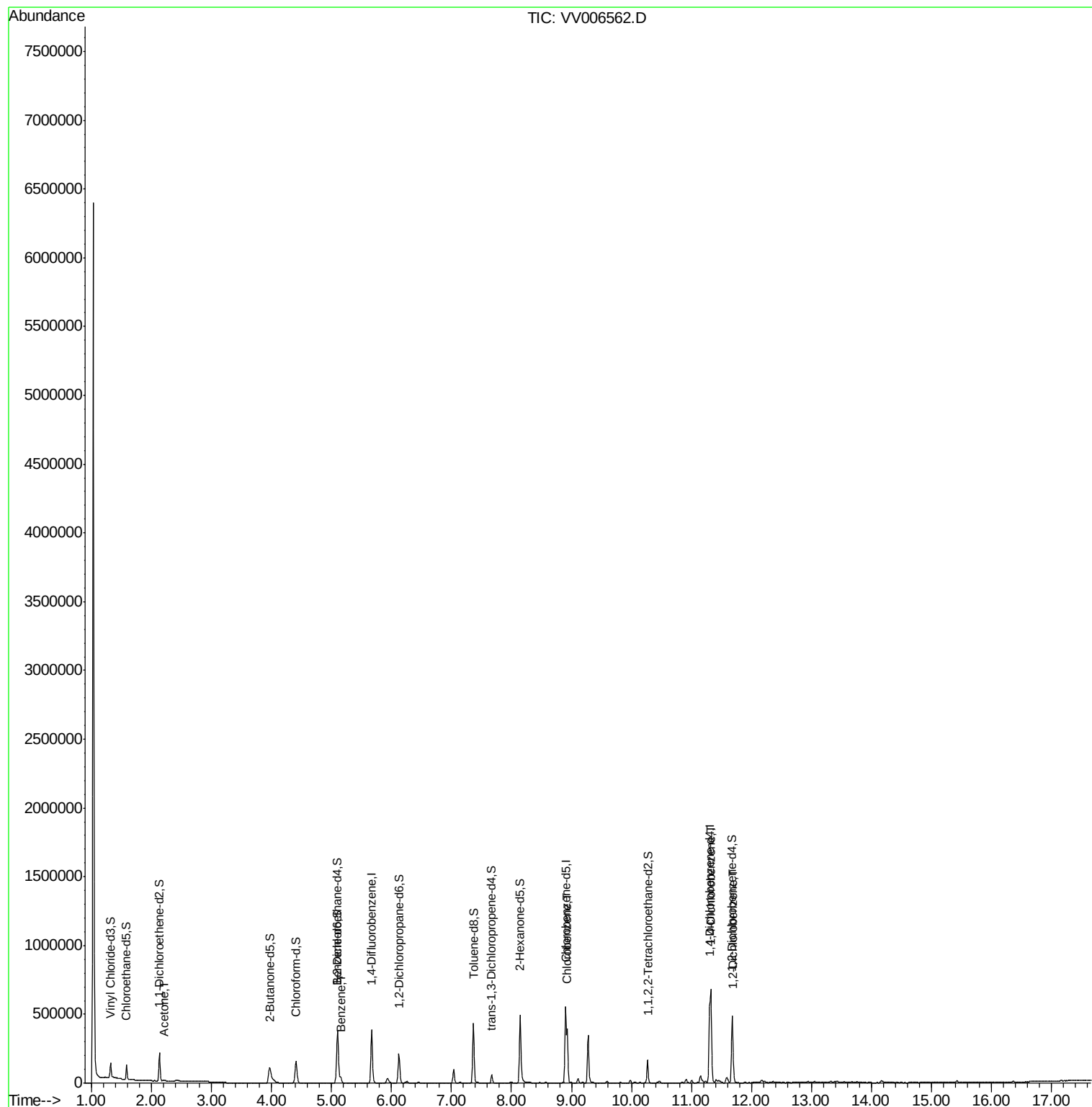
|                         |       |     |        |      | Ovalue   |
|-------------------------|-------|-----|--------|------|----------|
| 13) Acetone             | 2.22  | 43  | 4855   | 1.61 | ug/L 96  |
| 33) Benzene             | 5.15  | 78  | 45709  | 0.49 | ug/L 100 |
| 51) Chlorobenzene       | 8.93  | 112 | 210333 | 3.29 | ug/L 99  |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 267277 | 5.56 | ug/L 99  |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 27276  | 0.60 | ug/L 98  |

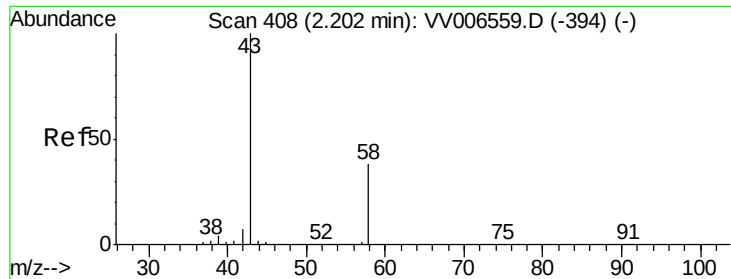
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV070918\  
Data File : VV006562.D  
Acq On : 09 Jul 2018 16:48  
Operator : SY/MD  
Sample : J3792-11RE  
Misc : 25 mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB0H6RE

Quant Time: Jul 09 23:05:08 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jul 09 22:52:57 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 1.61 ug/L

RT: 2.22 min Scan# 412

Delta R.T. 0.01 min

Lab File: VV006562.D

Acq: 09 Jul 2018 16:48

Instrument :

MSVOA\_V

ClientSampleId :

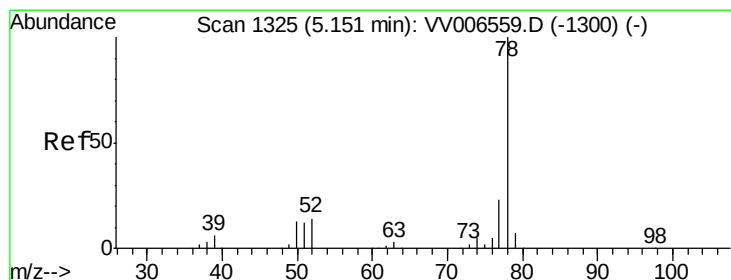
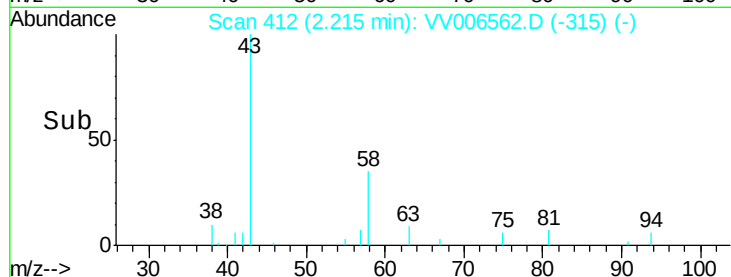
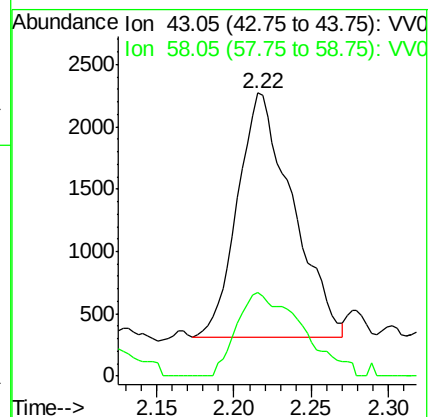
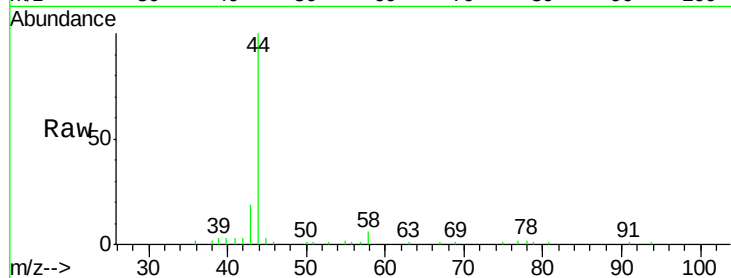
DB0H6RE

Tot Ion: 43 Resp: 4855

Ion Ratio Lower Upper

43 100

58 40.7 0.0 76.2



#33

Benzene

Concen: 0.49 ug/L

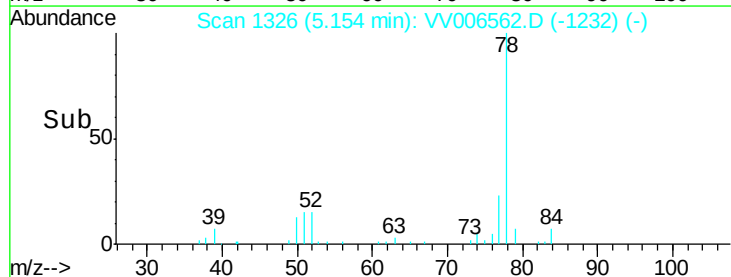
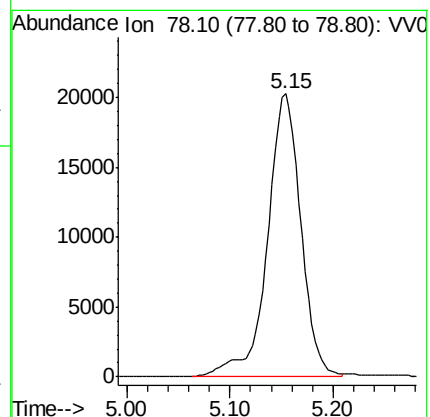
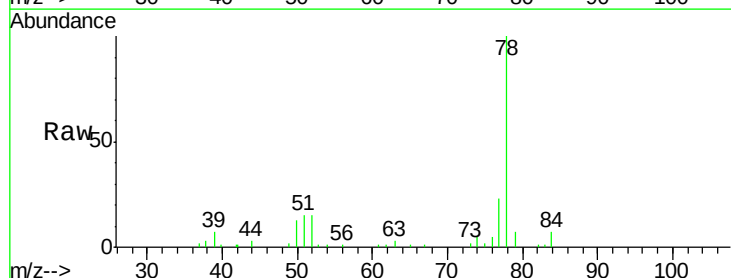
RT: 5.15 min Scan# 1326

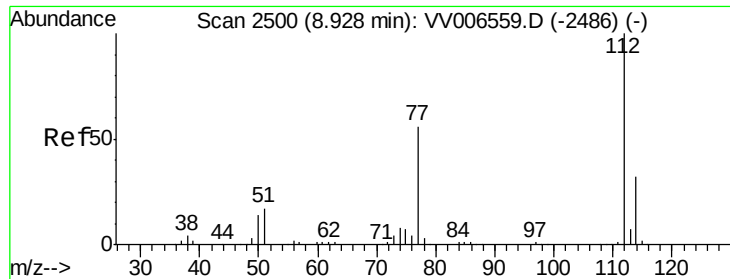
Delta R.T. 0.00 min

Lab File: VV006562.D

Acq: 09 Jul 2018 16:48

Tgt Ion: 78 Resp: 45709





#51

Chlorobenzene

Concen: 3.29 ug/L

RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

Lab File: VV006562.D

Acq: 09 Jul 2018 16:48

Instrument :

MSVOA\_V

ClientSampleId :

DB0H6RE

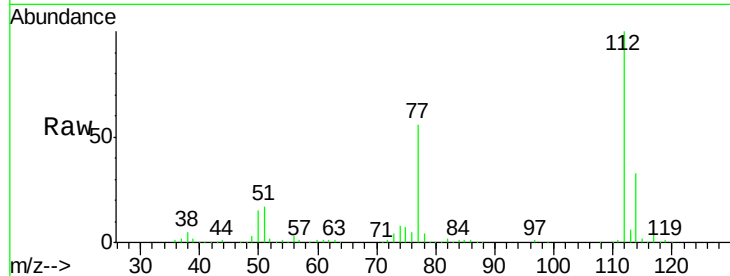
Tot Ion:112 Resp: 210333

Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

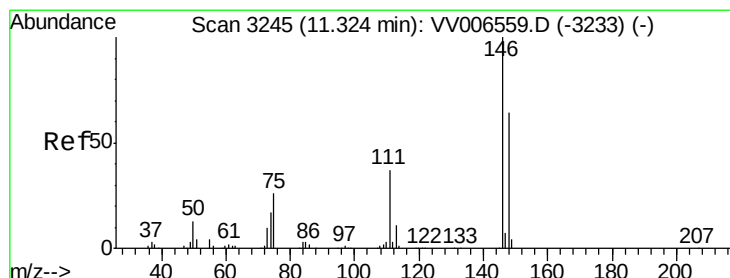
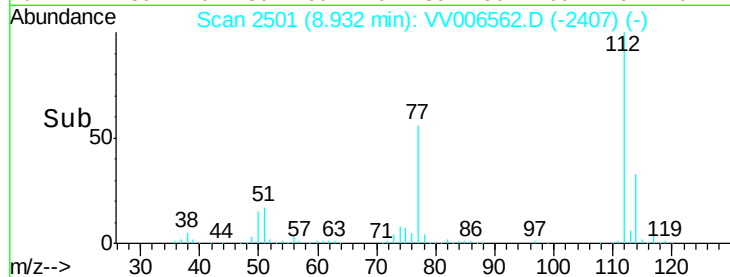
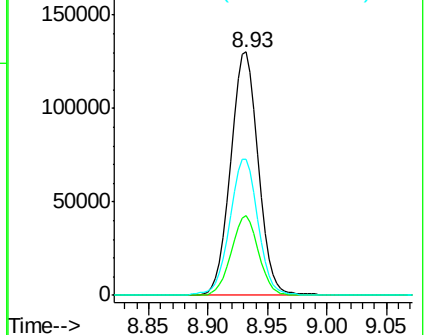
77 56.1 45.1 67.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 5.56 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006562.D

Acq: 09 Jul 2018 16:48

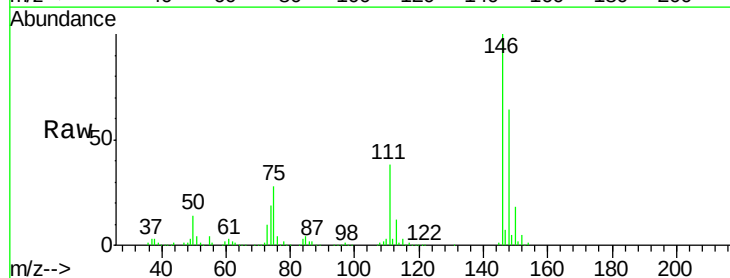
Tgt Ion:146 Resp: 267277

Ion Ratio Lower Upper

146 100

111 38.0 26.0 48.4

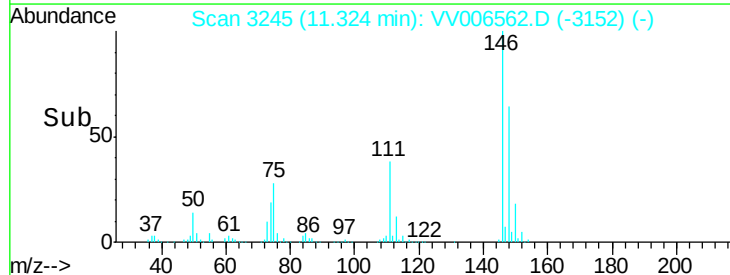
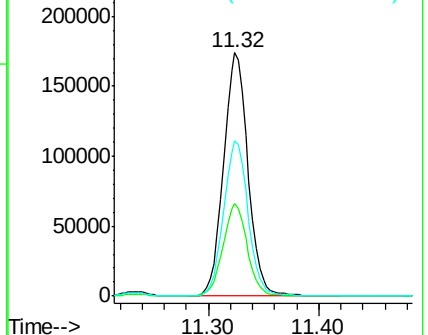
148 63.7 44.2 82.0

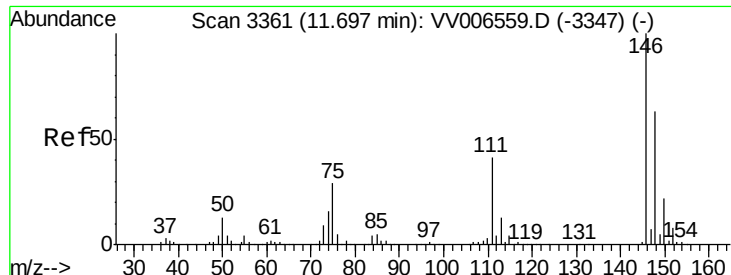


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

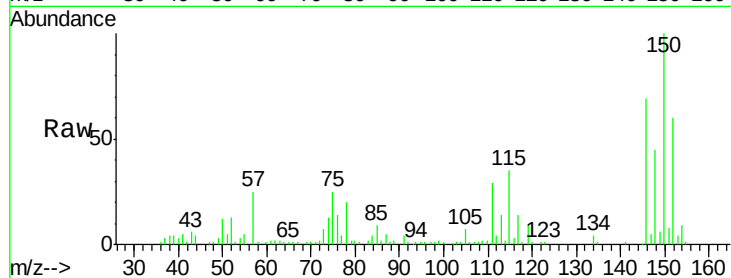




#65  
 1,2-Dichlorobenzene  
 Concen: 0.60 ug/L  
 RT: 11.70 min Scan# 3361  
 Delta R.T. 0.00 min  
 Lab File: VV006562.D  
 Acq: 09 Jul 2018 16:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB0H6RE

Tot Ion:146 Resp: 27276  
 Ion Ratio Lower Upper  
 146 100  
 111 41.8 32.4 48.6  
 148 65.8 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

