

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\  
 Data File : VV016716.D  
 Acq On : 09 Jun 2020 14:51  
 Operator : SY/MD  
 Sample : L2901-21MSD  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETTR2MSD

Quant Time: Jun 10 02:25:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 00:34:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 343003   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 325109   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 163008   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 81921    | 33.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 67.70% |
| 7) Chloroethane-d5             | 1.56    | 69    | 61665    | 42.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.92% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 149481   | 36.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.56% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 163382   | 91.21    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.21% |
| 24) Chloroform-d               | 4.37    | 84    | 201838   | 41.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.02% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 143948   | 43.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.00% |
| 32) Benzene-d6                 | 5.07    | 84    | 388700   | 41.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.96% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 123821   | 42.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.78% |
| 41) Toluene-d8                 | 7.34    | 98    | 346291   | 40.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.54% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 59618    | 39.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.36% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 110247   | 86.56    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 175015   | 45.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.52% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 155956   | 44.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.66% |

## Target Compounds

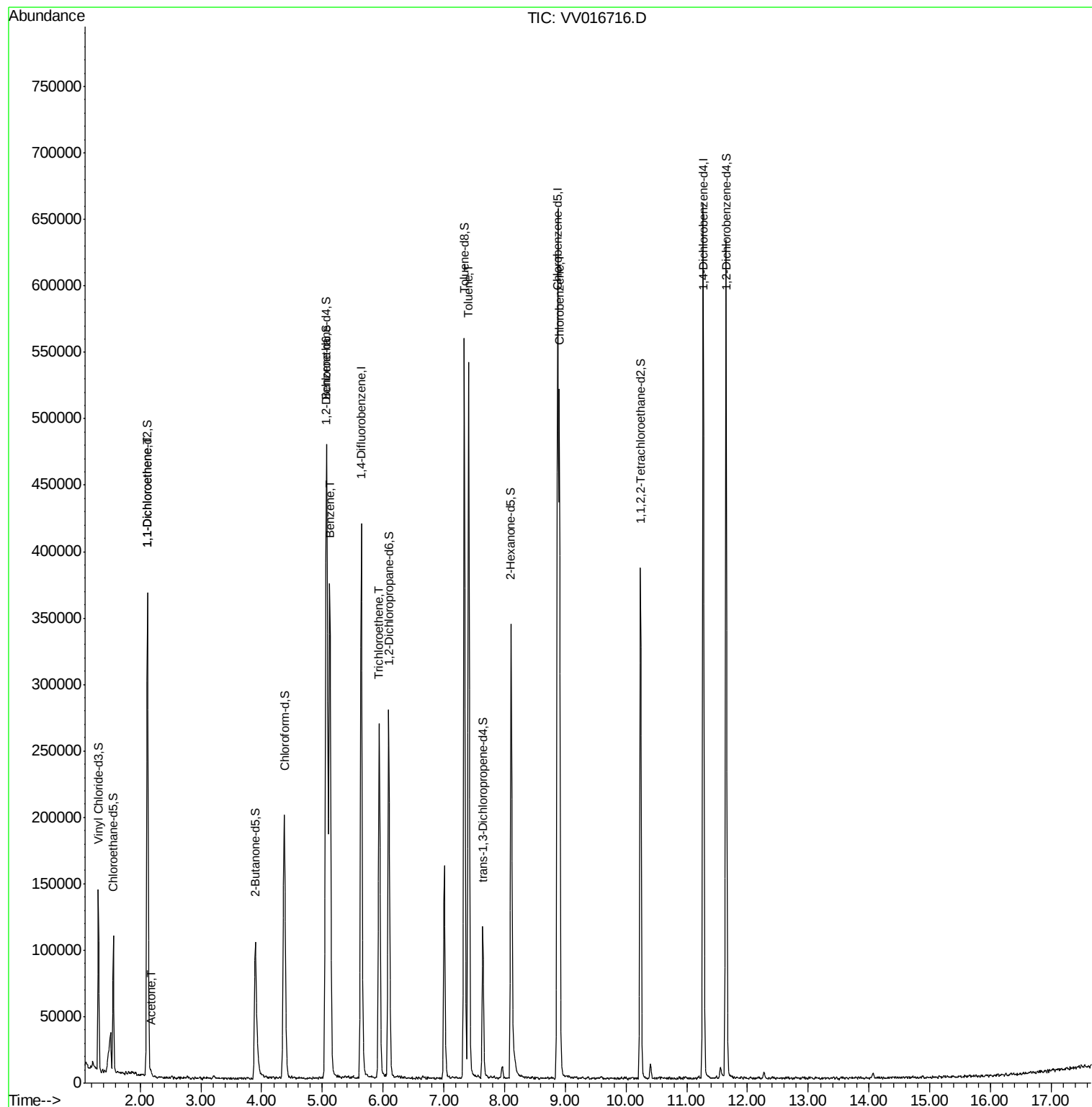
|                        |      |     |        |        | Ovalue   |
|------------------------|------|-----|--------|--------|----------|
| 12) 1,1-Dichloroethene | 2.13 | 96  | 57781  | 33.941 | ug/L 94  |
| 13) Acetone            | 2.17 | 43  | 2887   | 2.446  | ug/L 80  |
| 33) Benzene            | 5.12 | 78  | 353219 | 36.721 | ug/L 100 |
| 34) Trichloroethene    | 5.94 | 95  | 88974  | 34.489 | ug/L 98  |
| 42) Toluene            | 7.41 | 91  | 371423 | 36.628 | ug/L 100 |
| 51) Chlorobenzene      | 8.90 | 112 | 249607 | 37.729 | ug/L 99  |

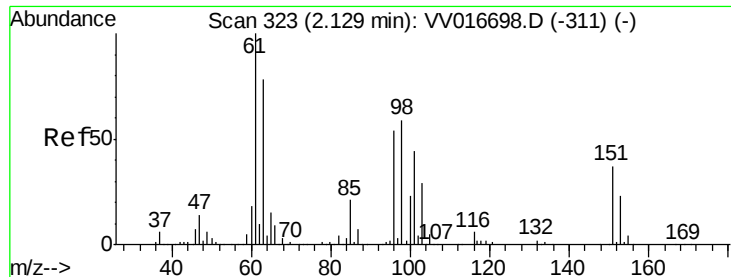
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Jun 10 00:34:30 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 33.941 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA\_V

ClientSampleId :

ETTR2MSD

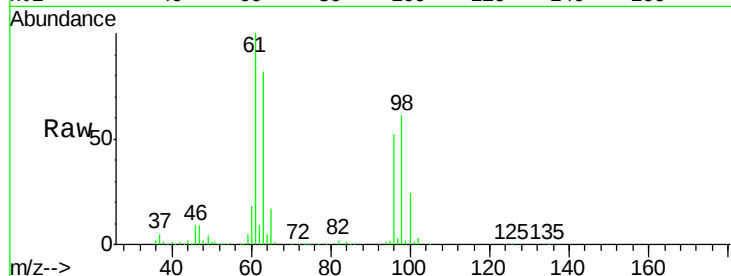
Tot Ion: 96 Resp: 57781

Ion Ratio Lower Upper

96 100

61 192.7 130.4 242.2

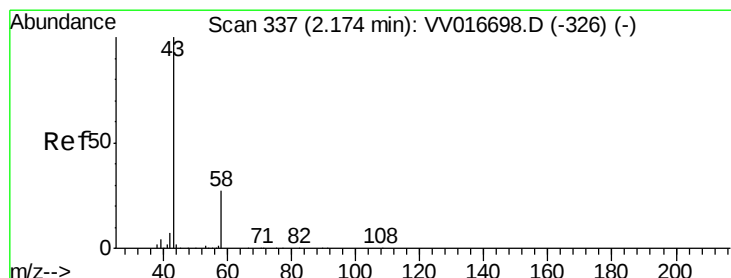
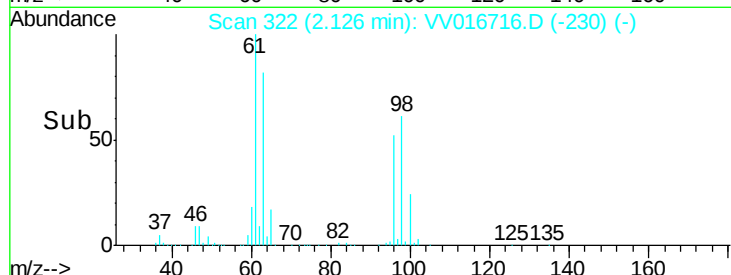
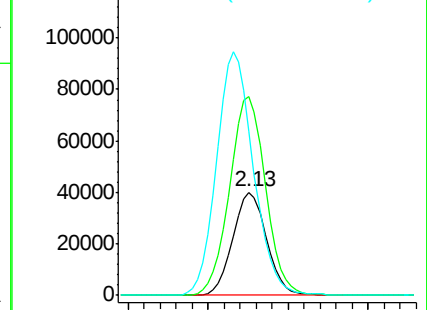
63 158.8 103.3 191.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 2.446 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016716.D

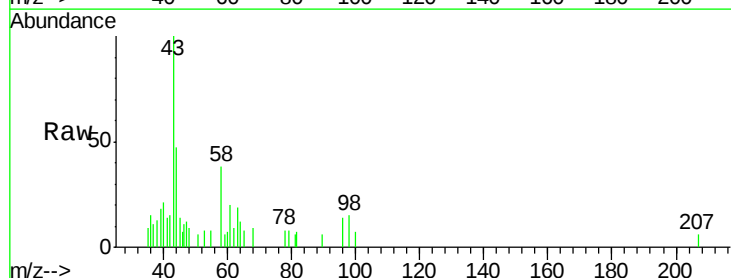
Acq: 09 Jun 2020 14:51

Tgt Ion: 43 Resp: 2887

Ion Ratio Lower Upper

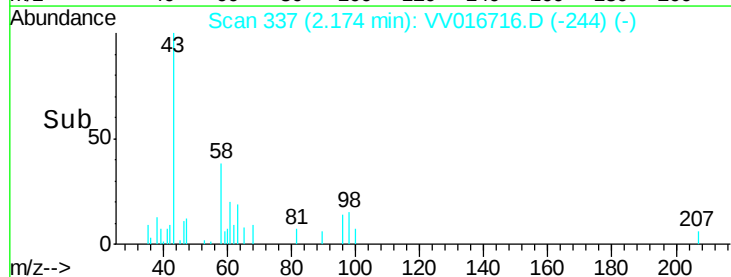
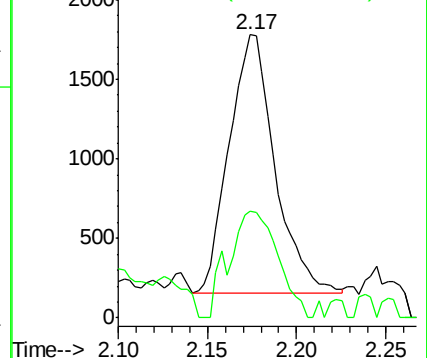
43 100

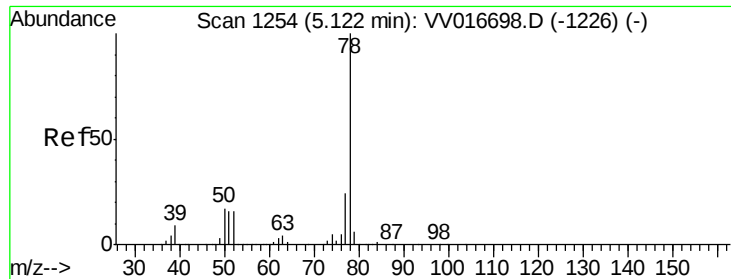
58 37.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#33

Benzene

Concen: 36.721 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

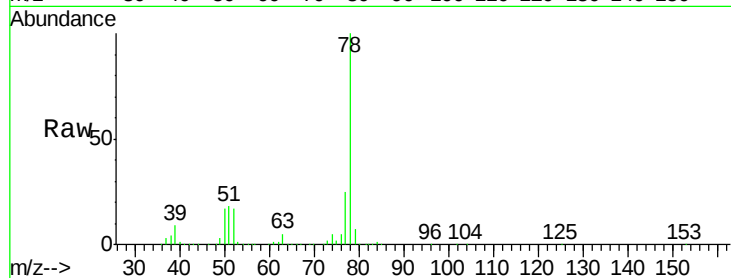
Instrument :

MSVOA\_V

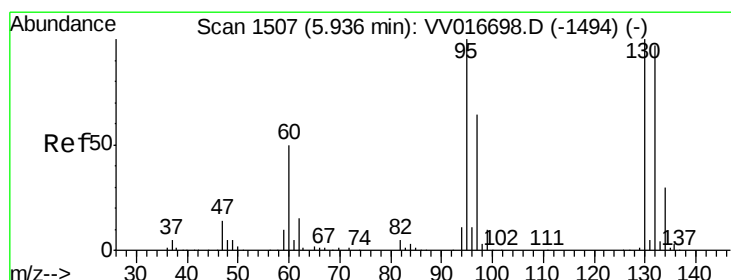
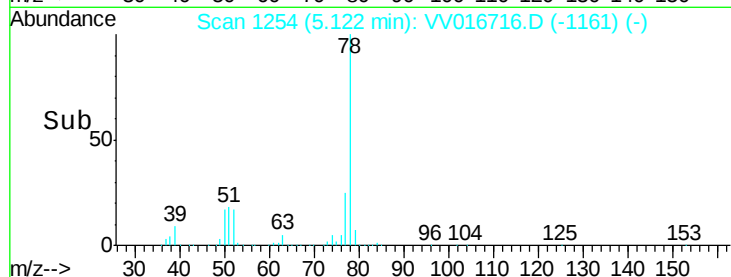
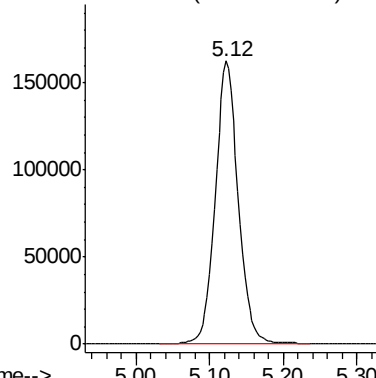
ClientSampleId :

ETTR2MSD

Tgt Ion: 78 Resp: 353219



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 34.489 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Tgt Ion: 95 Resp: 88974

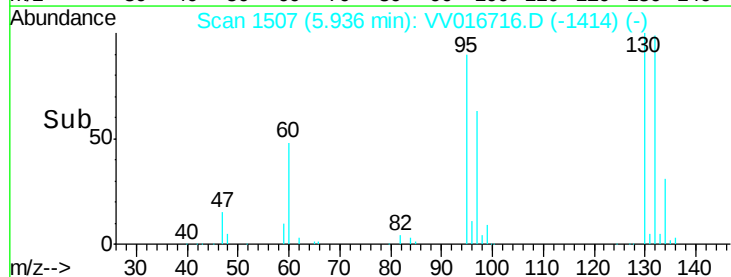
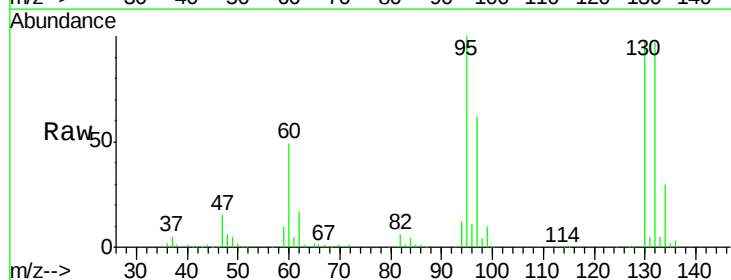
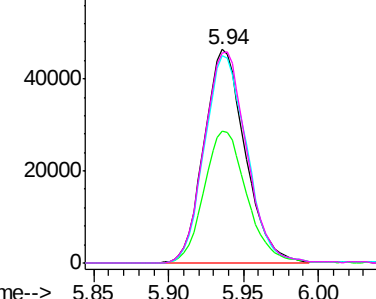
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.8  | 44.3  | 82.3  |
| 132 | 97.2  | 67.9  | 126.1 |
| 130 | 98.3  | 72.2  | 134.2 |

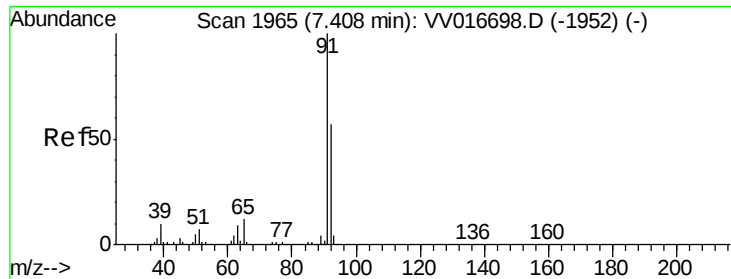
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#42

Toluene

Concen: 36.628 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Instrument :

MSVOA\_V

ClientSampleId :

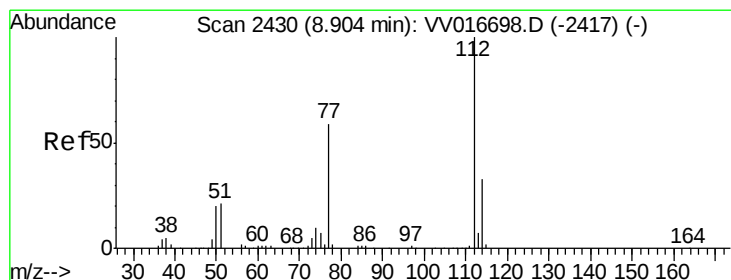
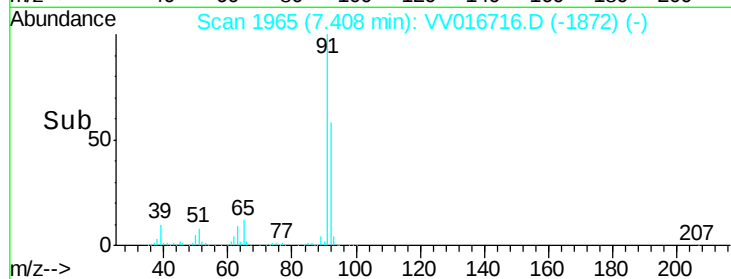
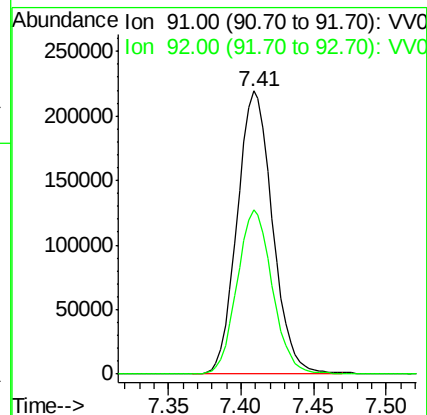
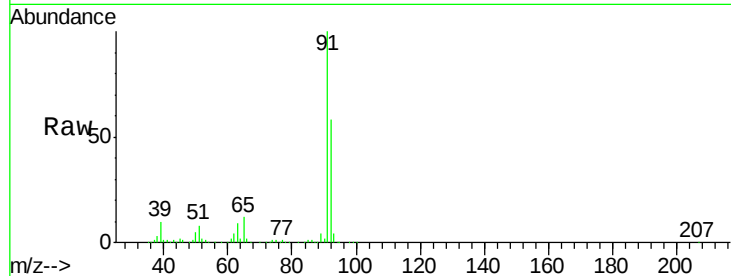
ETTR2MSD

Tot Ion: 91 Resp: 371423

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#51

Chlorobenzene

Concen: 37.729 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016716.D

Acq: 09 Jun 2020 14:51

Tgt Ion: 112 Resp: 249607

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 59.4 47.9 71.9

