

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\  
 Data File : VV016770.D  
 Acq On : 10 Jun 2020 15:38  
 Operator : SY/MD  
 Sample : L2914-13DL 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9E25DL

Manual Integrations  
 APPROVED

MMDadoda  
 6/11/2020 4:23:21 PM

Quant Time: Jun 11 02:23:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 11 01:04:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 350510   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 326799   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 172931   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 124266   | 50.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 100.48% |
| 7) Chloroethane-d5             | 1.55    | 69    | 59164    | 39.87    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.74%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 146022   | 35.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.32%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 170032   | 92.89    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.89%  |
| 24) Chloroform-d               | 4.37    | 84    | 223513   | 44.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 163290   | 47.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.48%  |
| 32) Benzene-d6                 | 5.07    | 84    | 446309   | 47.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 136391   | 46.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.90%  |
| 41) Toluene-d8                 | 7.33    | 98    | 400545   | 46.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.66%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68827    | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.00%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 106533   | 83.21    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 83.21%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 185086   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.22%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 176216   | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.50%  |

| Target Compounds |      |    |         |         | Ovalue |
|------------------|------|----|---------|---------|--------|
| 22) 2-Butanone   | 4.01 | 43 | 6282m   | 3.378   | ug/L   |
| 33) Benzene      | 5.12 | 78 | 1671395 | 172.860 | ug/L   |
| 42) Toluene      | 7.41 | 91 | 8862    | 0.869   | ug/L   |
| 52) Ethylbenzene | 9.04 | 91 | 39308   | 3.482   | ug/L   |

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

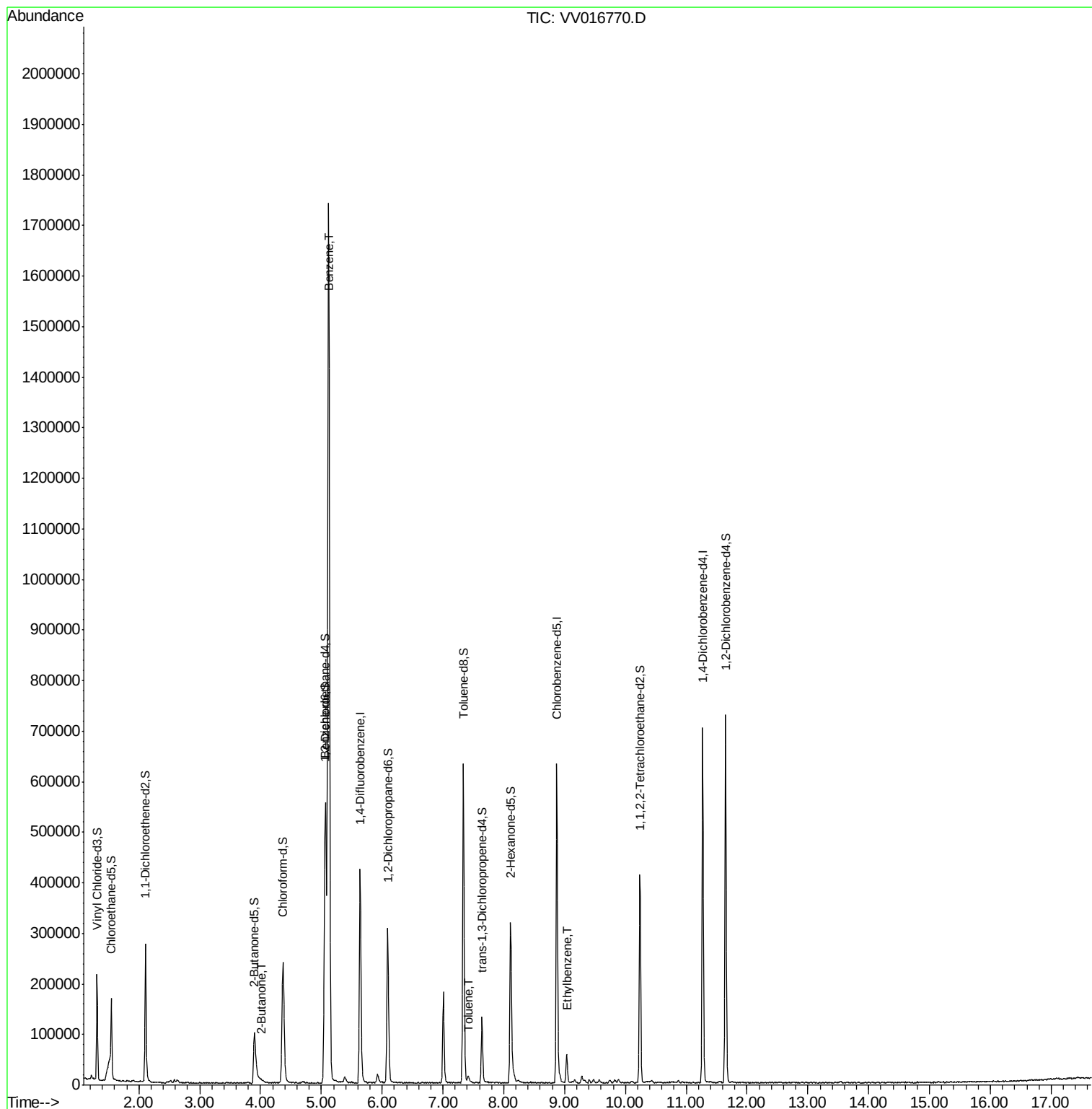
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061020\  
Data File : VV016770.D  
Acq On : 10 Jun 2020 15:38  
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ALS Vial : 11 Sample Multiplier: 1

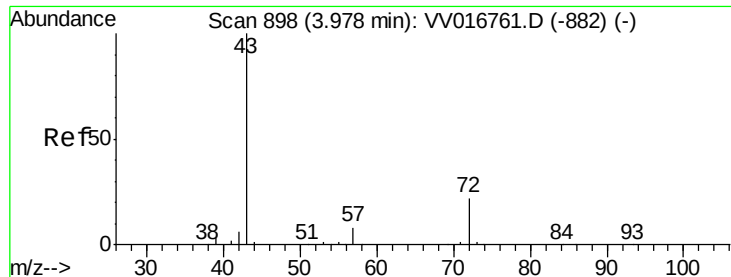
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Time: Jun 11 02:23:32 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 11 01:04:46 2020  
Response via : Initial Calibration





#22

2-Butanone

Concen: 3.378 ug/L m

RT: 4.01 min Scan# 908

Delta R.T. 0.03 min

Lab File: VV016770.D

Acq: 10 Jun 2020 15:38

Instrument :

MSVOA\_V

ClientSampled :

F9E25DL

Tot Ion: 43 Resp: 6282

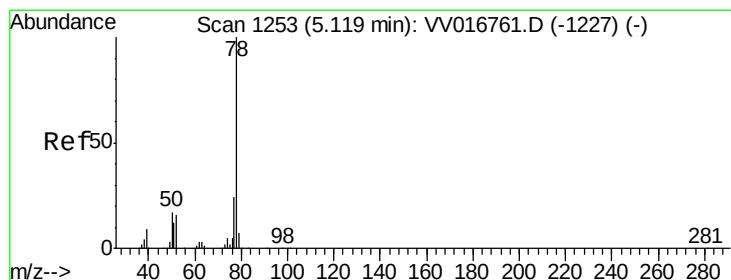
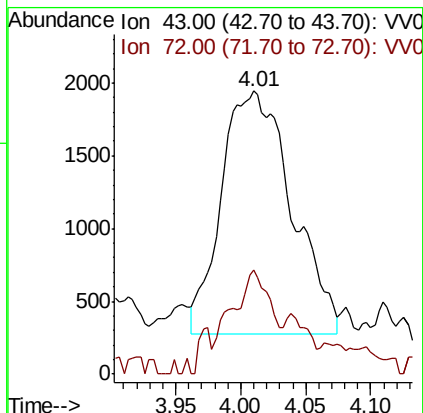
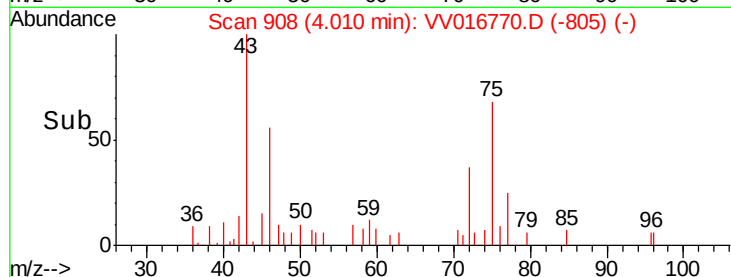
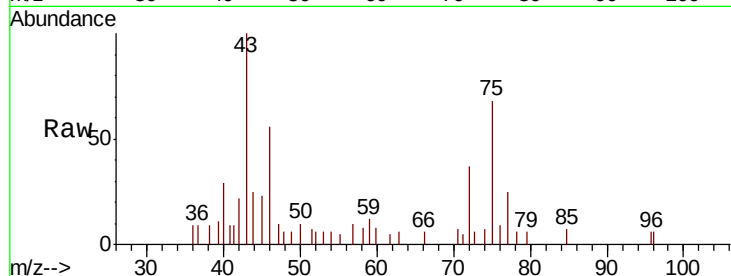
Ion Ratio Lower Upper

43 100

72 14.7 12.4 37.4

Manual Integrations  
APPROVED

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6/11/2020 4:23:21 PM



#33

Benzene

Concen: 172.860 ug/L

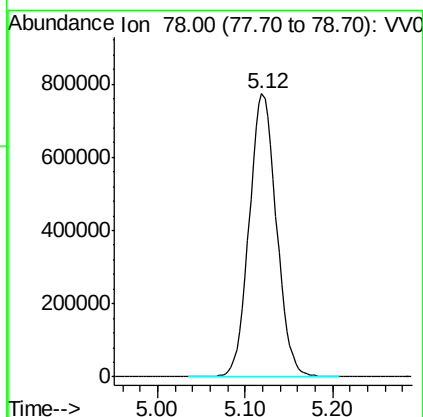
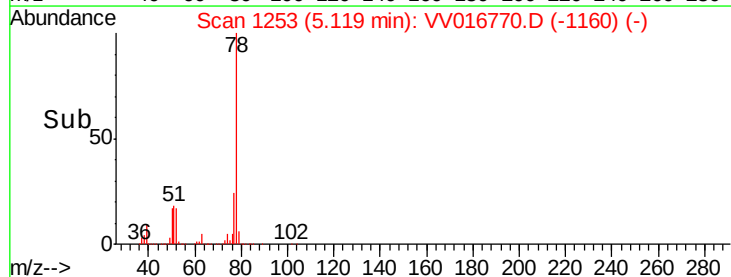
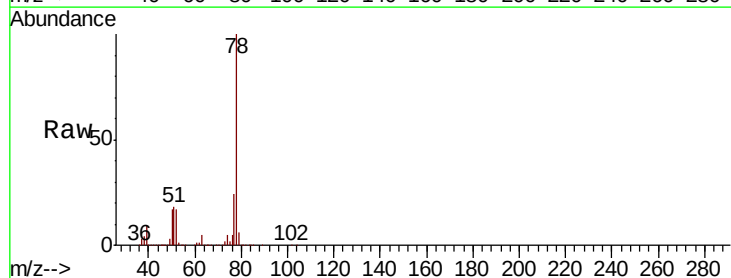
RT: 5.12 min Scan# 1253

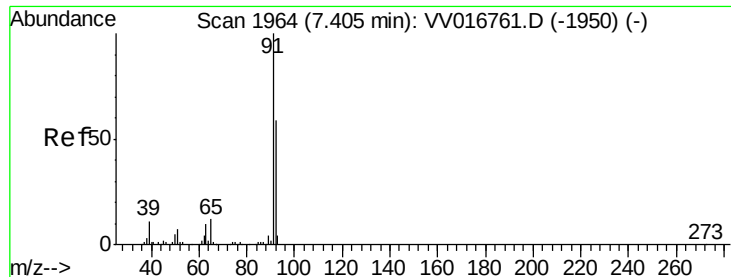
Delta R.T. 0.00 min

Lab File: VV016770.D

Acq: 10 Jun 2020 15:38

Tgt Ion: 78 Resp: 1671395





#42

Toluene

Concen: 0.869 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV016770.D

Acq: 10 Jun 2020 15:38

Instrument :

MSVOA\_V

ClientSampleId :

F9E25DL

Tot Ion: 91 Resp: 8862

Ion Ratio Lower Upper

91 100

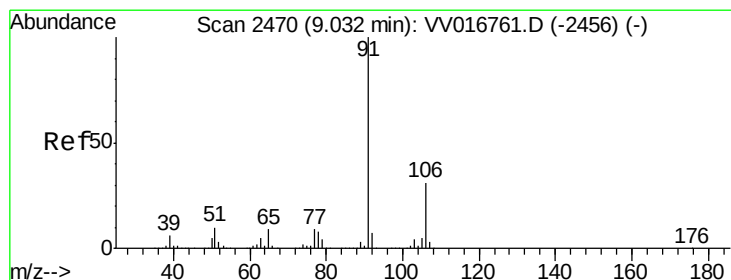
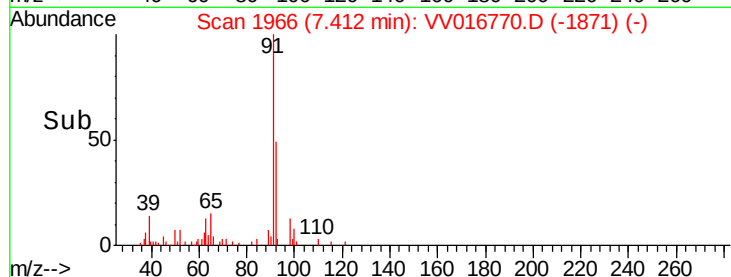
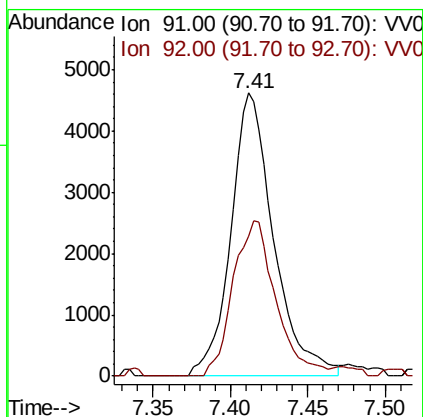
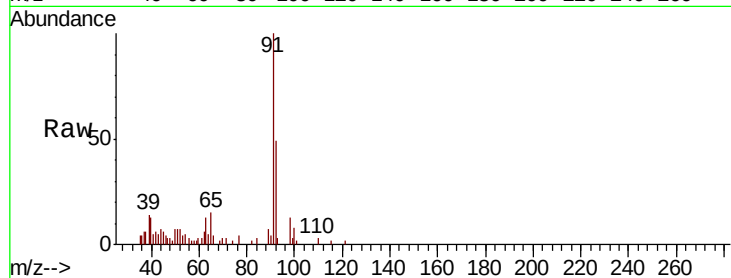
92 49.5 40.4 75.0

Manual Integrations

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#52

Ethylbenzene

Concen: 3.482 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016770.D

Acq: 10 Jun 2020 15:38

Tgt Ion: 91 Resp: 39308

Ion Ratio Lower Upper

91 100

106 28.1 21.1 39.1

