Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

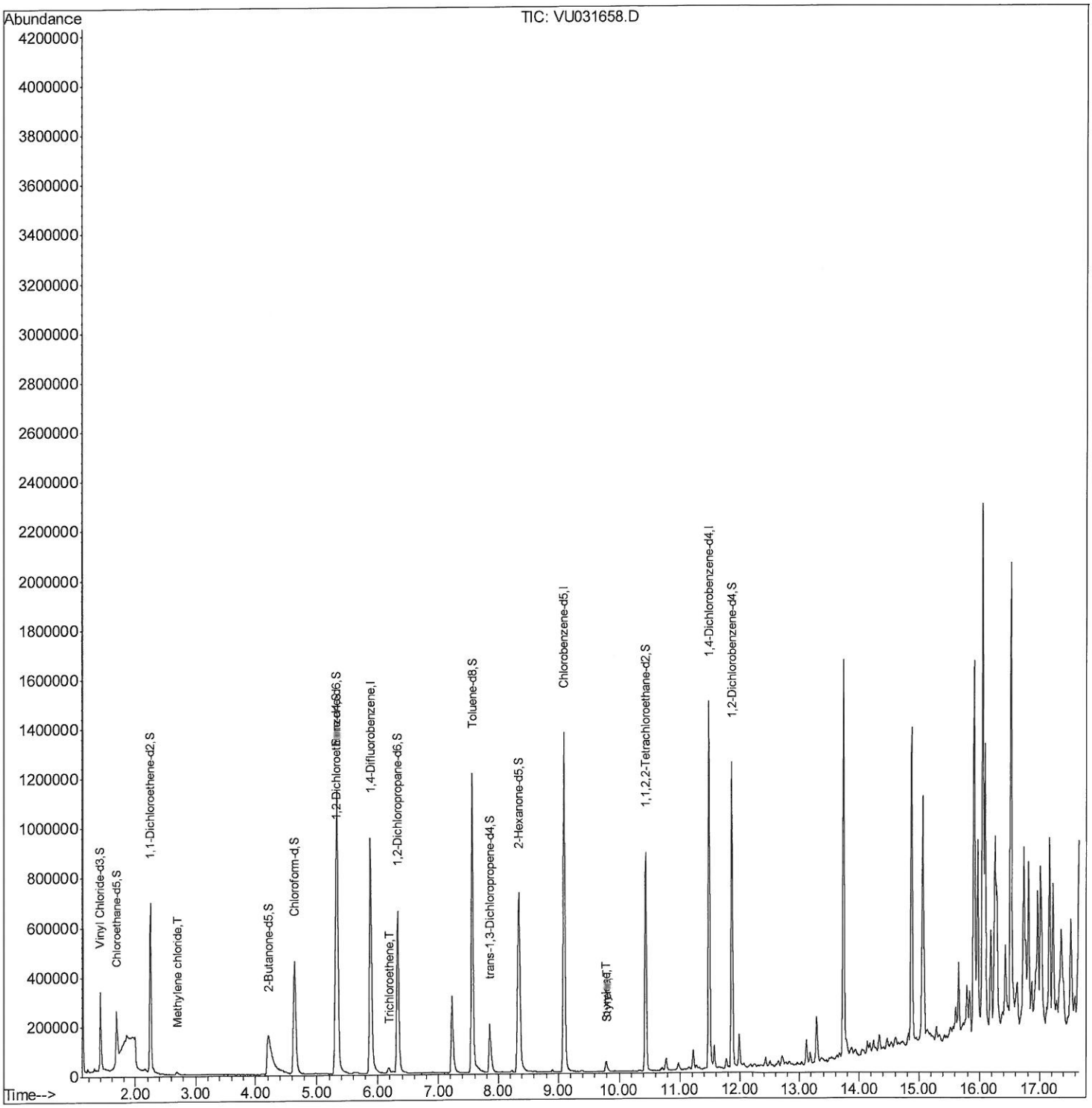
Quantitation Report (QT/LSC Reviewed)

Data File : VU031658.D
Acq On : 01 May 2019 01:25
Operator : JC/SP
Sample : K2604-10
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: May 01 05:18:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ84

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:17 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (Qedit)

Data File : VU031658.D
Acq On : 01 May 2019 01:25
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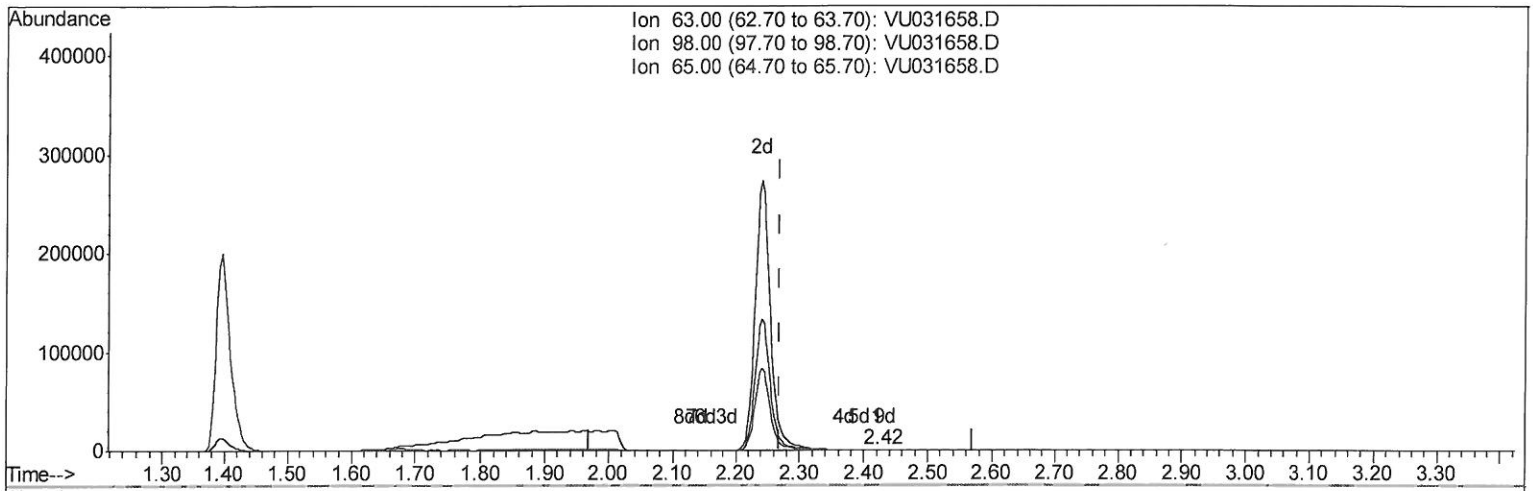
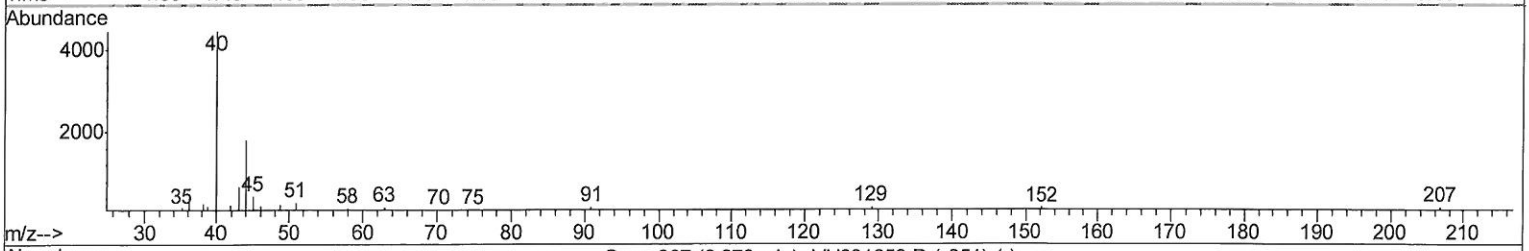
ALS Vial : 37 Sample Multiplier: 1

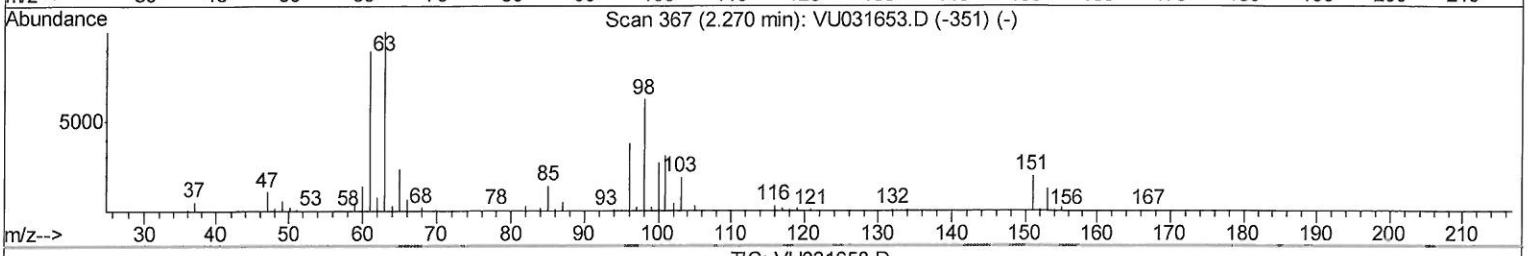
Quant Time: May 01 04:46:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ84

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:17 AM




TIC: VU031658.D

(11) 1,1-Dichloroethene-d2 (S)

2.421min (+0.151) 0.01ug/L

response 139

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 98.00 | 66.60 | 61.15 |
| 65.00 | 23.40 | 28.78 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (Qedit)

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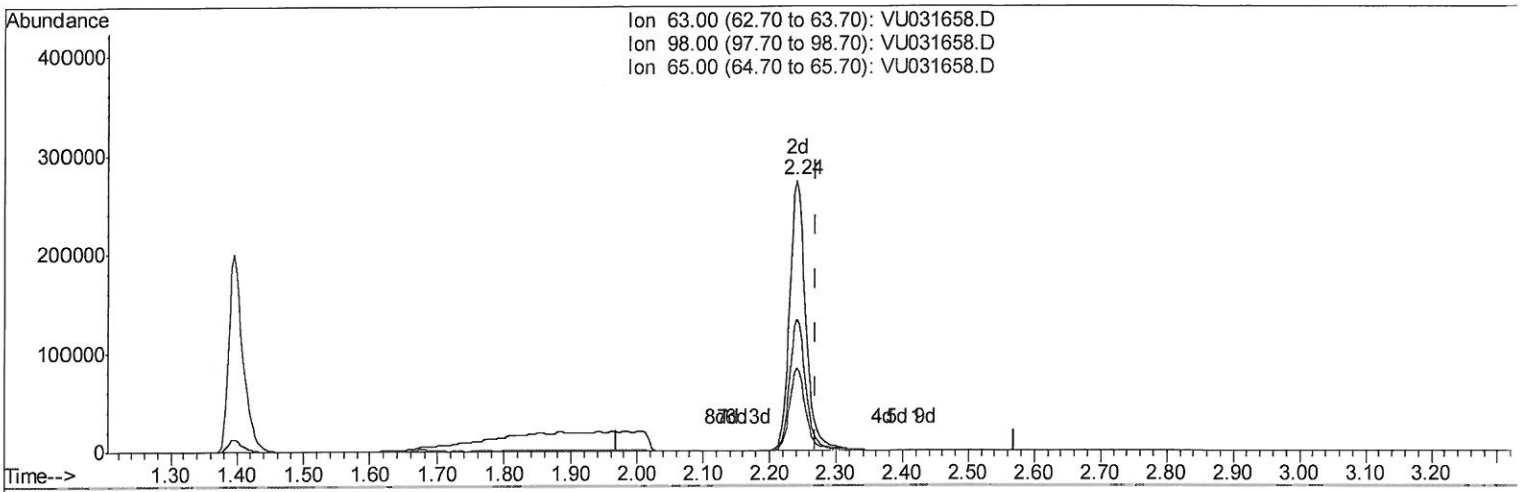
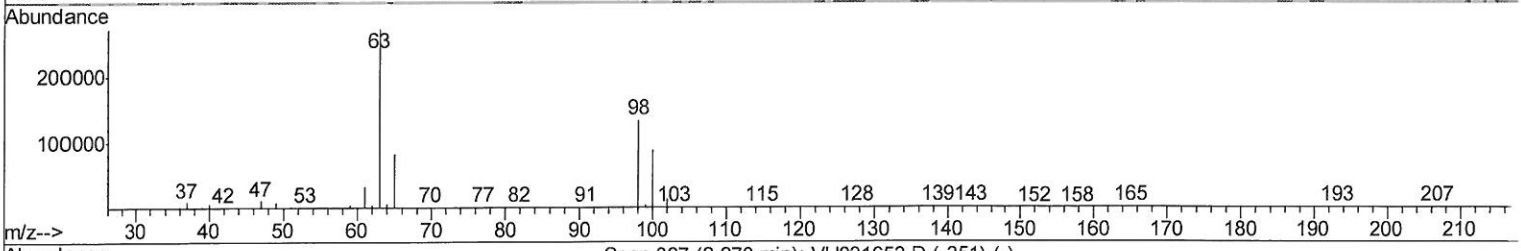
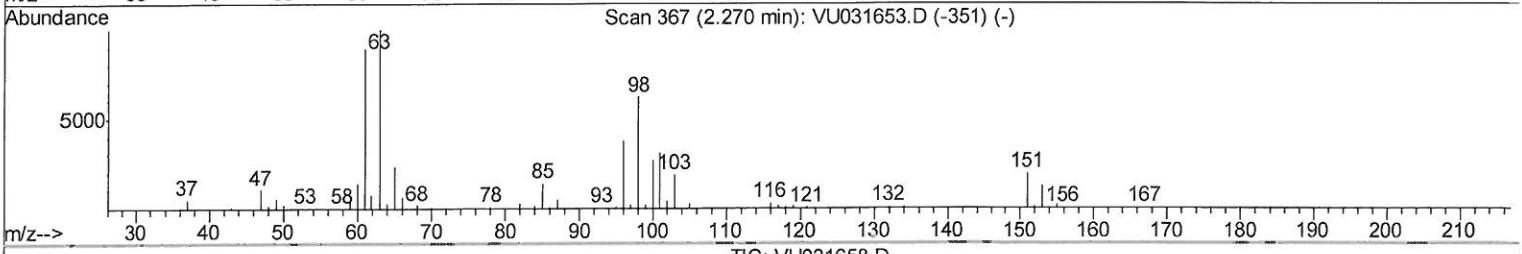
**Instrument :**
MSVOA_U
**ClientSampleId :**
GAJ84

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:17 AM




TIC: VU031658.D

(11) 1,1-Dichloroethene-d2 (S)

2.241min (-0.029) 31.09ug/L m

response 456342

JMD 5/2/19

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 98.00 | 66.60 | 0.02# |
| 65.00 | 23.40 | 0.01# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\

Quantitation Report (QT/LSC Reviewed)

Data File : VU031658.D
Acq On : 01 May 2019 01:25
Operator : JC/SP
Sample : K2604-10
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAJ84

**Manual Integrations APPROVED**
MMDadoda
5/1/2019 9:54:17 AM

Quant Time: May 01 05:18:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 880563 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 838861 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 352826 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 293726 | 39.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = | 79.72% | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 186287 | 32.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = | 65.42%# | | |
| 11) 1,1-Dichloroethene-d2 | 2.24 | 63 | 456342m | 31.09 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 62.18% | | |
| 21) 2-Butanone-d5 | 4.21 | 46 | 561723 | 84.13 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = | 84.13% | | |
| 24) Chloroform-d | 4.64 | 84 | 524110 | 38.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 77.66% | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 373750 | 42.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 84.76% | | |
| 32) Benzene-d6 | 5.33 | 84 | 1057608 | 41.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 82.12% | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 380732 | 42.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = | 84.02% | | |
| 41) Toluene-d8 | 7.56 | 98 | 898189 | 40.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 80.06% | | |
| 43) trans-1,3-Dichloropropene- | 7.86 | 79 | 152584 | 39.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 78.44% | | |
| 47) 2-Hexanone-d5 | 8.34 | 63 | 385060 | 98.16 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = | 98.16% | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 470199 | 38.66 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = | 77.32% | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 298227 | 40.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 80.38% | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Methylene chloride | 2.69 | 84 | 5792 | 0.714 | ug/L | 94 |
| 34) Trichloroethene | 6.18 | 95 | 6147 | 0.822 | ug/L | 80 |
| 54) o-xylene | 9.79 | 106 | 11248 | 1.022 | ug/L | 74 |
| 55) Styrene | 9.81 | 104 | 8152 | 0.433 | ug/L | 86 |

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