

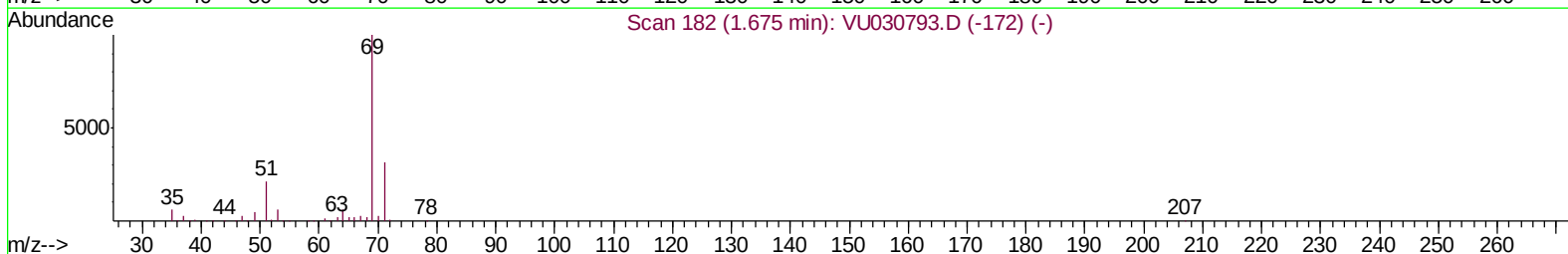
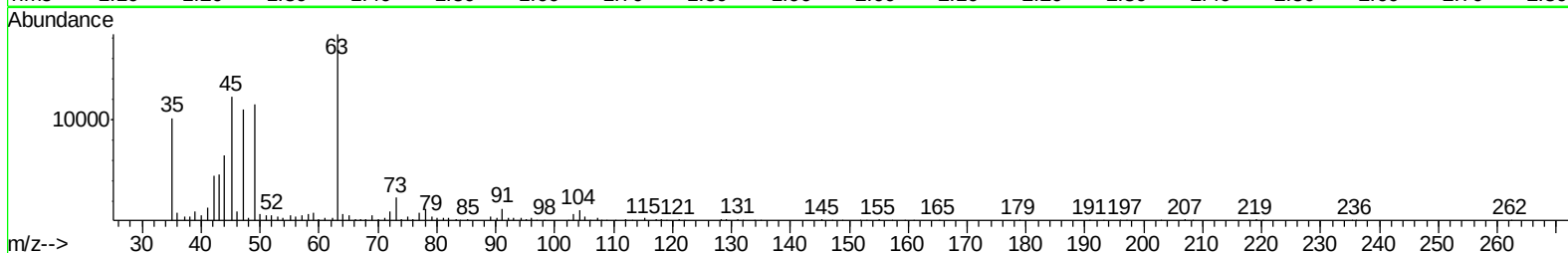
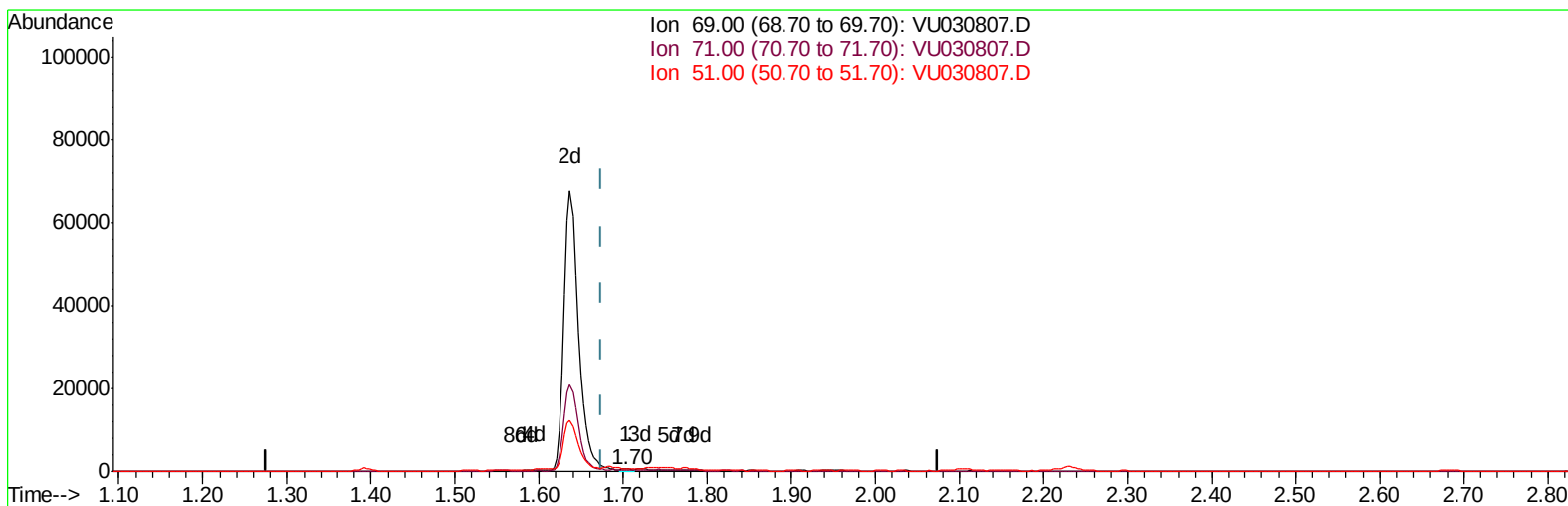
Data File : VU030807.D  
Acq On : 06 Apr 2019 17:49  
Operator : JC/SP  
Sample : K2277-09ME  
Misc : 4.51g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF172ME

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 1:52:37 PM

Quant Time: Apr 08 05:06:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 05:01:06 2019  
Response via : Initial Calibration



TIC: VU030807.D

(7) Chloroethane-d5 (S)

1.704min (+0.029) 0.16ug/L

response 548

| Ion   | Exp%  | Act%    |
|-------|-------|---------|
| 69.00 | 100   | 100     |
| 71.00 | 31.60 | 0.00#   |
| 51.00 | 27.70 | 118.61# |
| 0.00  | 0.00  | 0.00    |

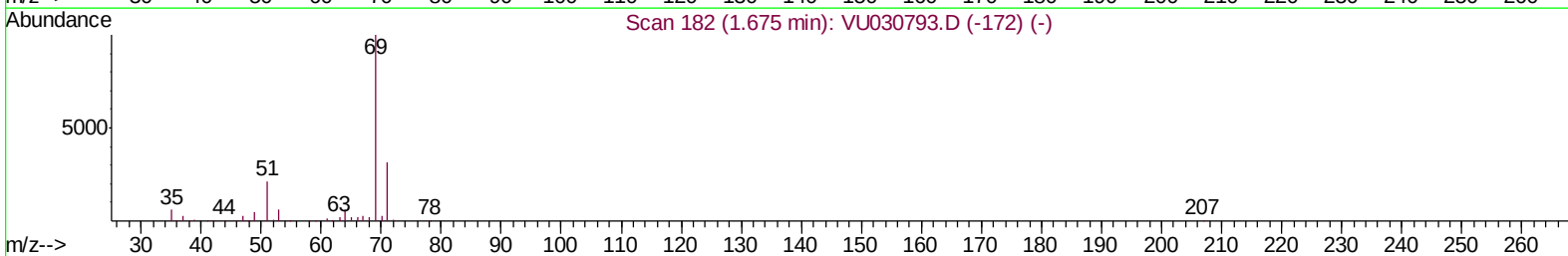
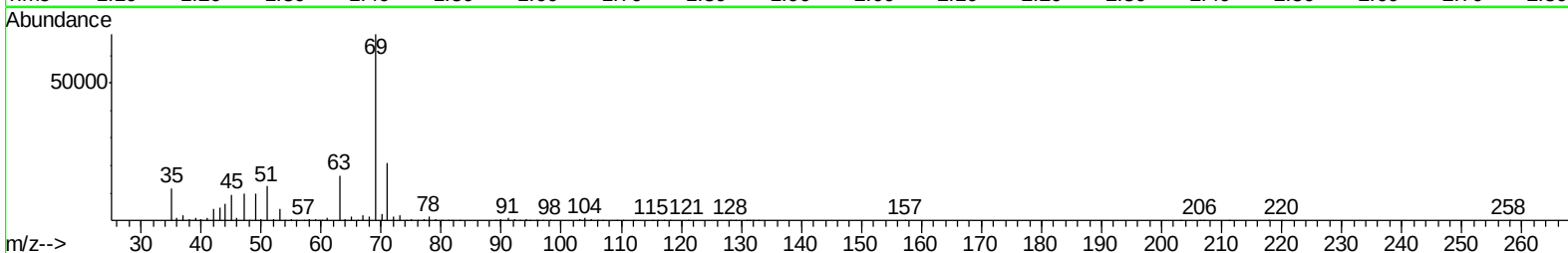
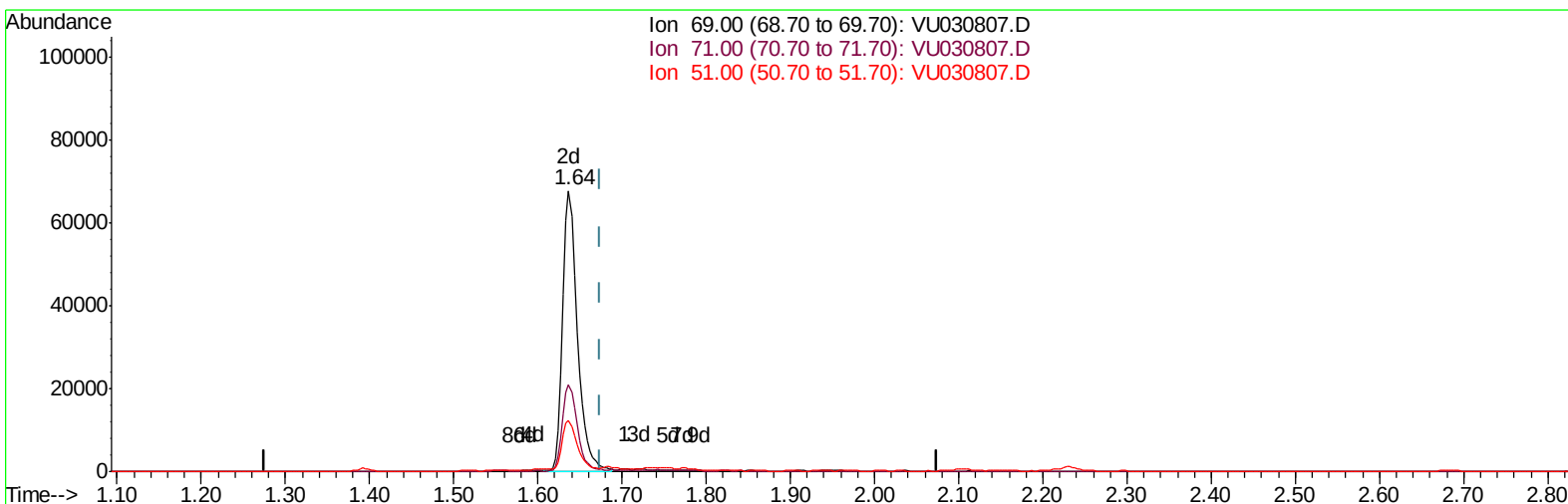
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TIC: VU030807.D

(7) Chloroethane-d5 (S)

1.637min (-0.039) 23.92ug/L m

response 82050

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 69.00 | 100   | 100   |
| 71.00 | 31.60 | 0.00# |
| 51.00 | 27.70 | 0.79# |
| 0.00  | 0.00  | 0.00  |

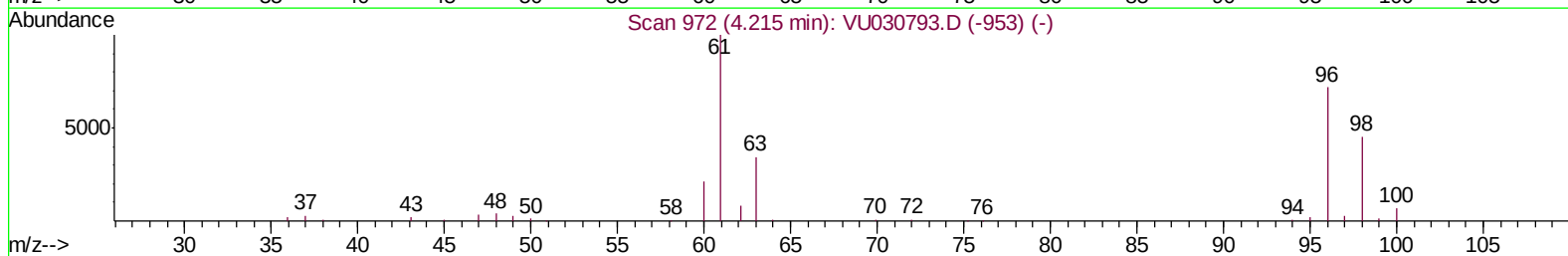
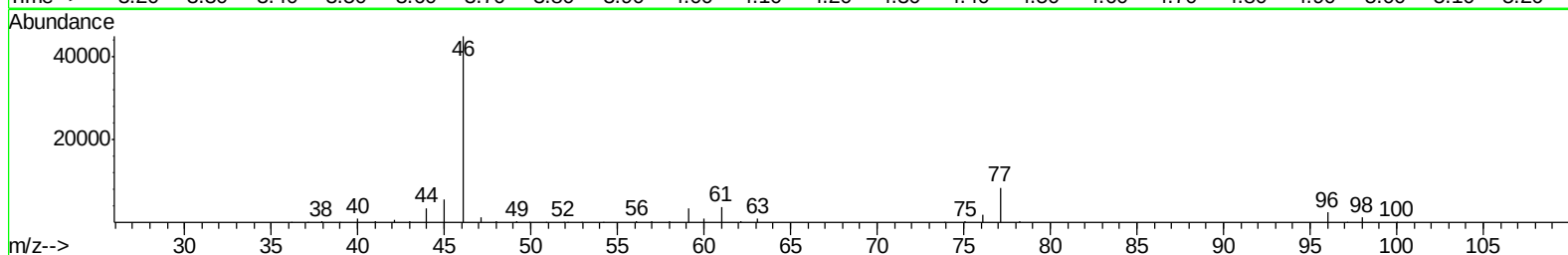
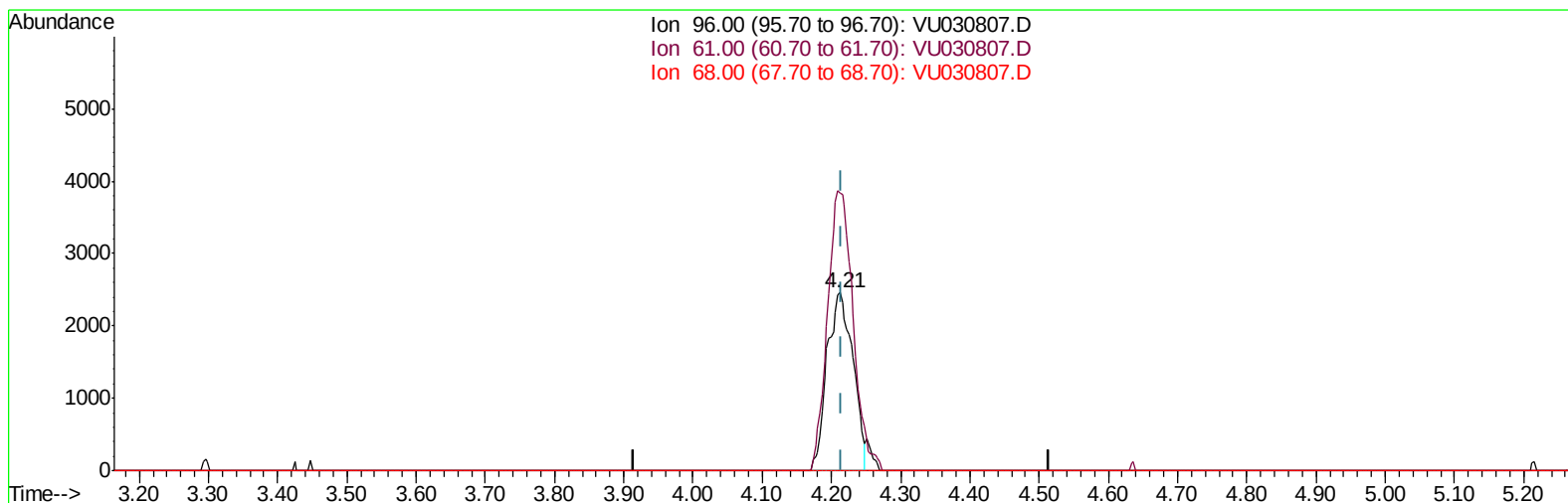
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Misc : 4.51g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
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TIC: VU030807.D

(20) cis-1,2-Dichloroethene (T)

4.212min (-0.003) 1.56ug/L

response 6388

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 147.00 | 156.27 |
| 68.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

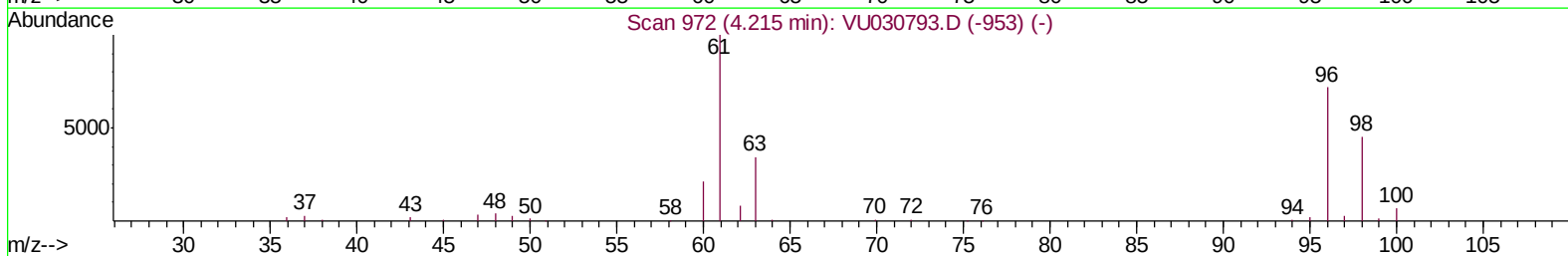
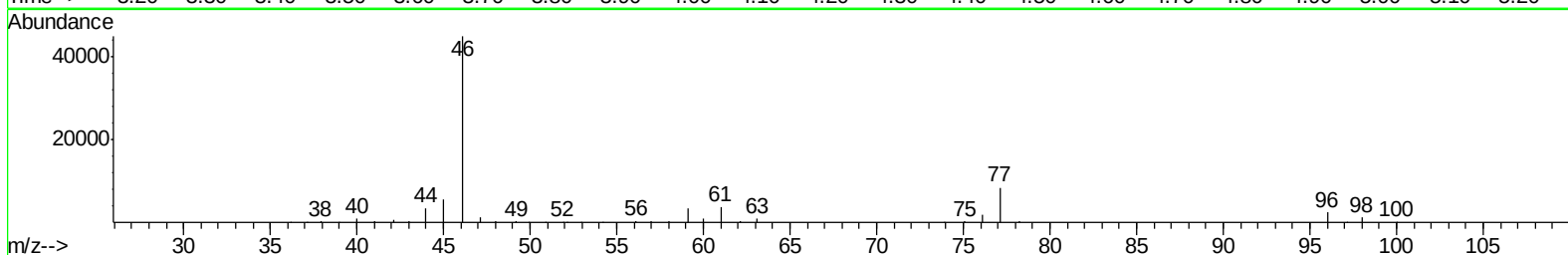
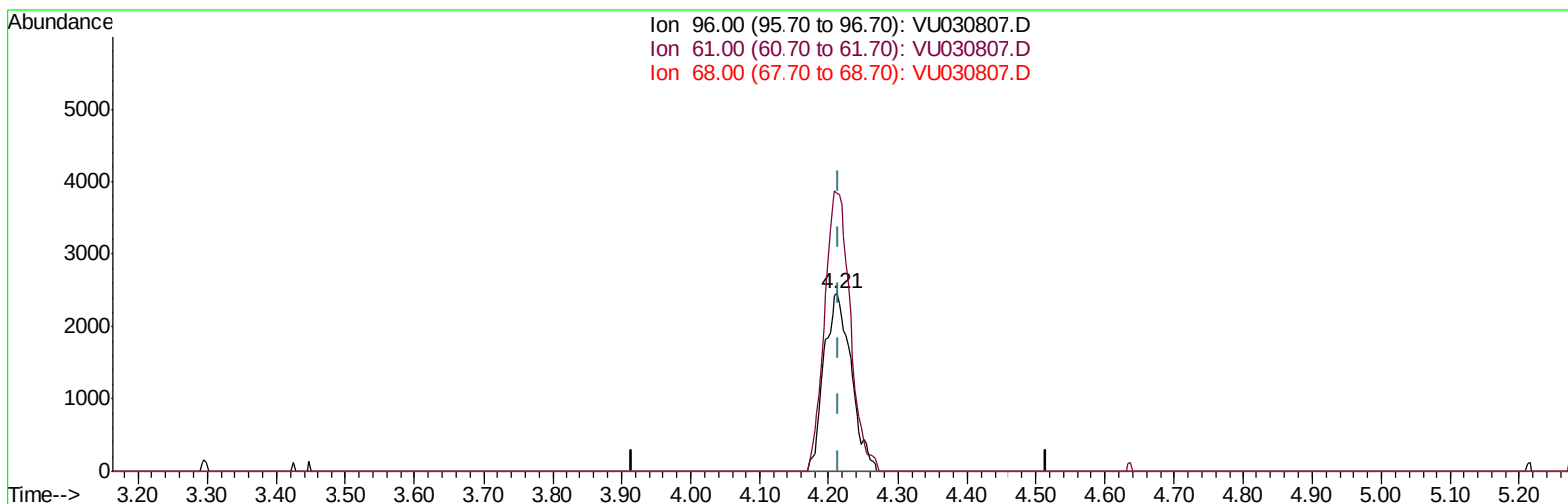
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
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Response via : Initial Calibration



TIC: VU030807.D

(20) cis-1,2-Dichloroethene (T)

4.212min (-0.003) 1.63ug/L m

response 6678

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 147.00 | 156.27 |
| 68.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF172ME

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 1:52:37 PM

Quant Time: Apr 08 06:30:20 2019  
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Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 05:01:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 506323   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 496465   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 237340   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 109525   | 24.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 48.46%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 82050m   | 23.92    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 47.84%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 175744   | 21.50    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 43.00%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 204655   | 57.13    | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 57.13%  |
| 24) Chloroform-d               | 4.64    | 84    | 198343   | 28.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.46%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 145415   | 30.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 61.74%# |
| 32) Benzene-d6                 | 5.33    | 84    | 417099   | 28.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.56%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 144914   | 29.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 58.36%# |
| 41) Toluene-d8                 | 7.56    | 98    | 354729   | 27.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 55.22%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 63080    | 27.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.70%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 144324   | 63.58    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 63.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 209467   | 31.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 62.52%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 133524   | 28.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 57.22%# |

| Target Compounds           |      |     |       |        | Qvalue |
|----------------------------|------|-----|-------|--------|--------|
| 20) cis-1,2-Dichloroethene | 4.21 | 96  | 6678m | 1.627  | ug/L   |
| 34) Trichloroethene        | 6.18 | 95  | 31018 | 7.784  | ug/L   |
| 46) Tetrachloroethene      | 8.22 | 164 | 58321 | 20.131 | ug/L   |

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

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