

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050719\

Data File : VU031805.D

Acq On : 07 May 2019 15:27

Operator : JC/SP

Sample : K2690-06

Misc : 4.89µ/5mL/100uL/5.0mL/MSVOA\_U/MEOH

ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 05:24:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Wed May 08 06:47:54 2019

Response via : Initial Calibration

Instrument :

MSVOA\_U

ClientSampleId :

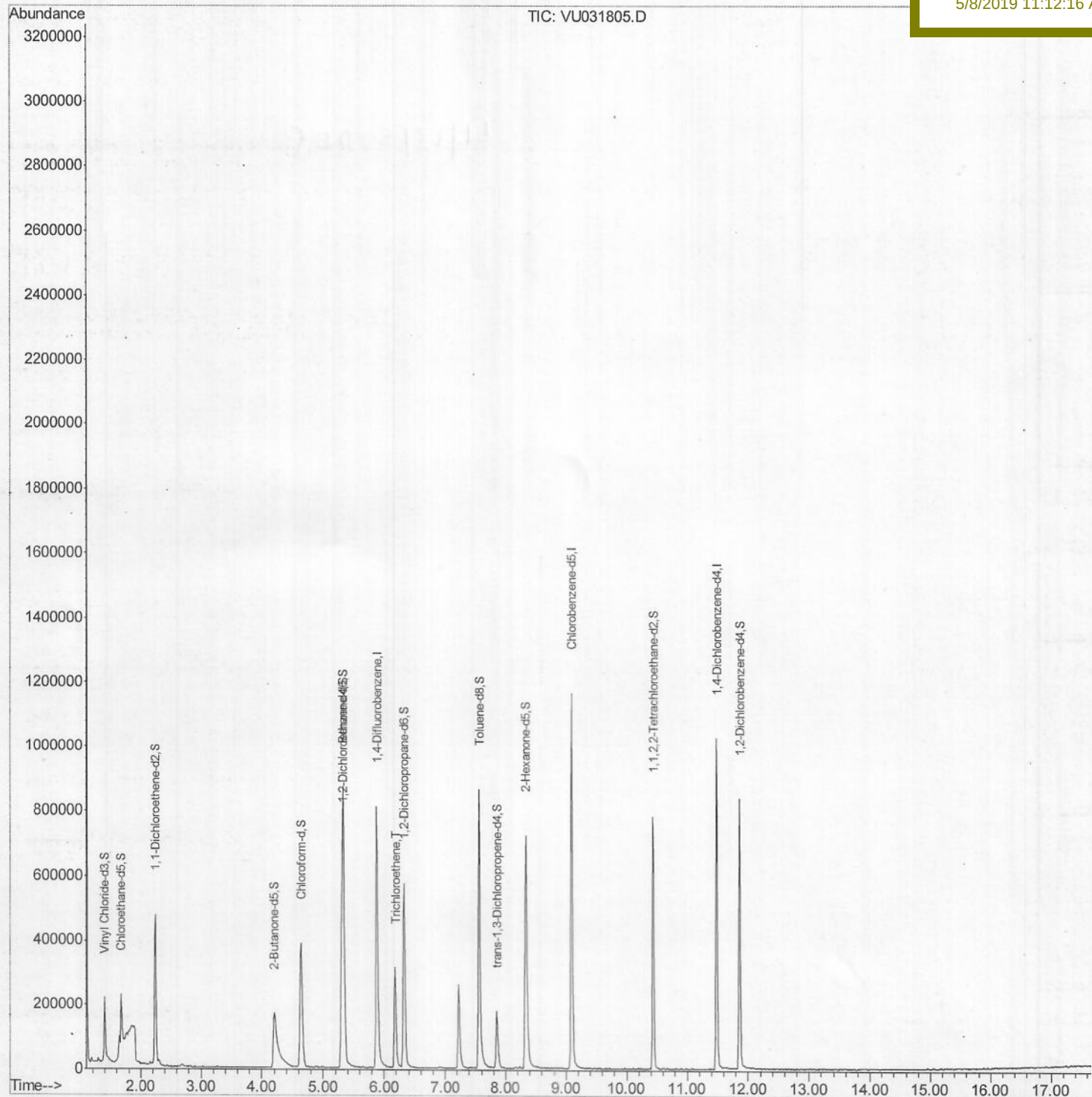
A5152

Manual Integrations

APPROVED

MMDadoda

5/8/2019 11:12:16 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

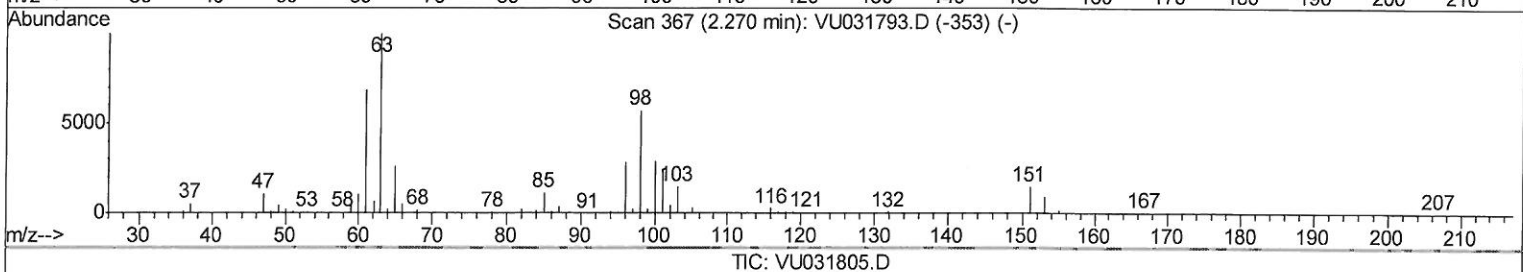
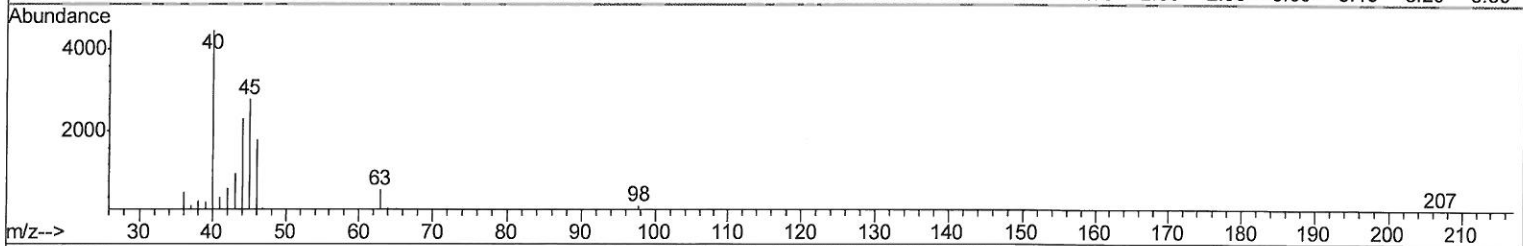
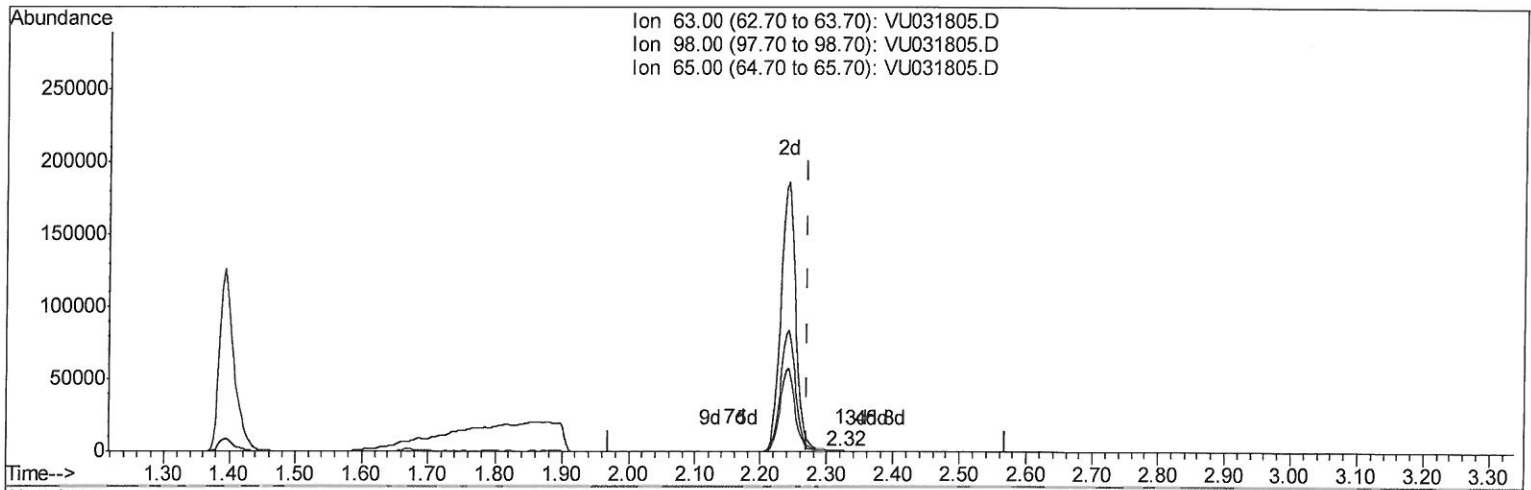
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A5152

Manual Integrations  
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5/8/2019 11:12:16 AM

Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 06:47:54 2019  
Response via : Initial Calibration



TIC: VU031805.D

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

2.321min (+0.051) 0.05ug/L

response 525

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 58.86 |
| 65.00 | 23.40 | 19.24 |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

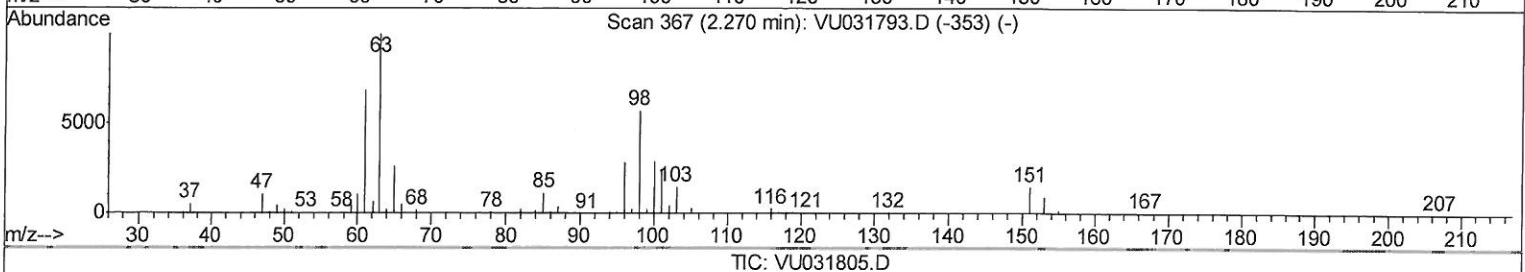
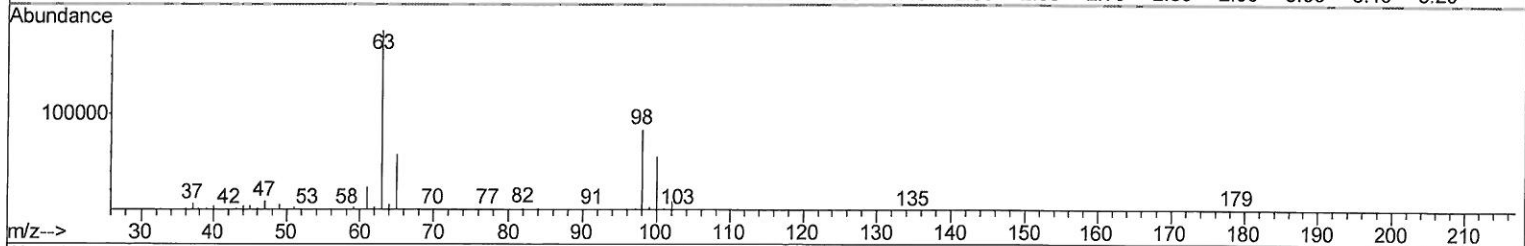
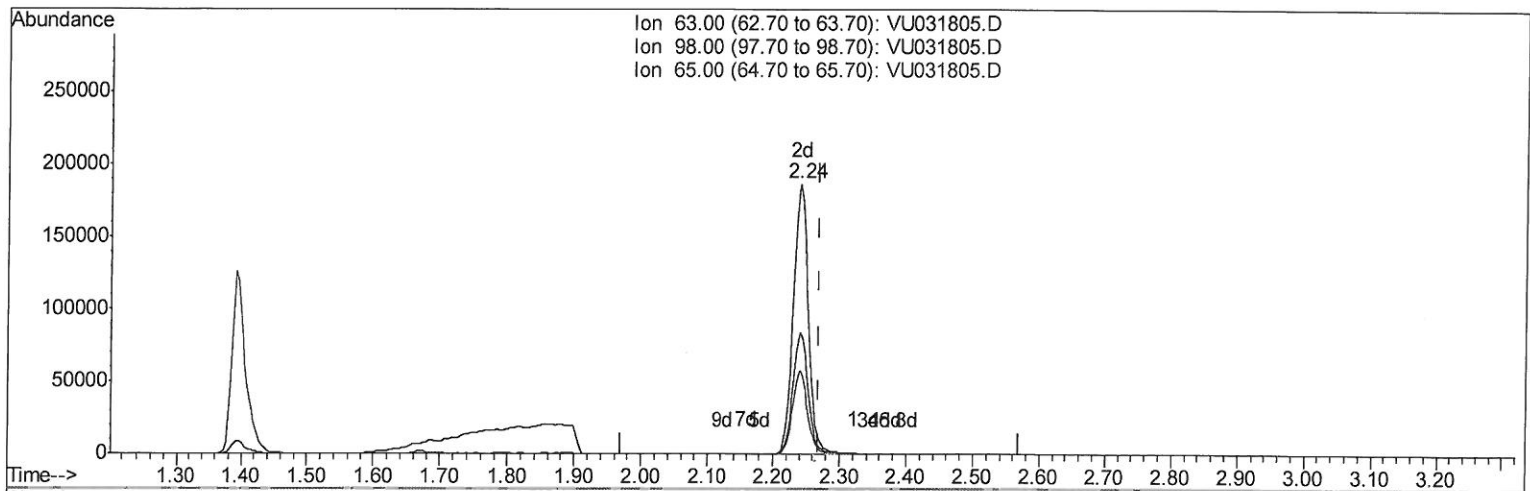
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
A5152

Manual Integrations  
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5/8/2019 11:12:16 AM

Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 06:47:54 2019  
Response via : Initial Calibration



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

2.241min (-0.029) 25.80ug/L m

response 294062

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 63.00 | 100   | 100   |
| 98.00 | 66.60 | 0.11# |
| 65.00 | 23.40 | 0.03# |
| 0.00  | 0.00  | 0.00  |

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5/7/2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

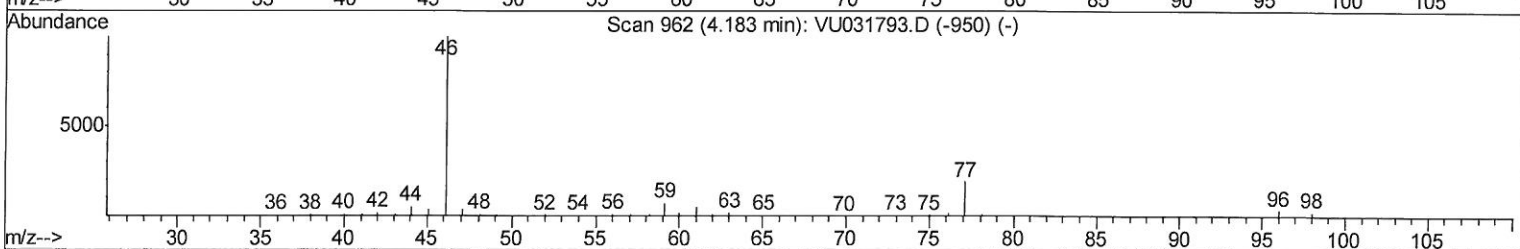
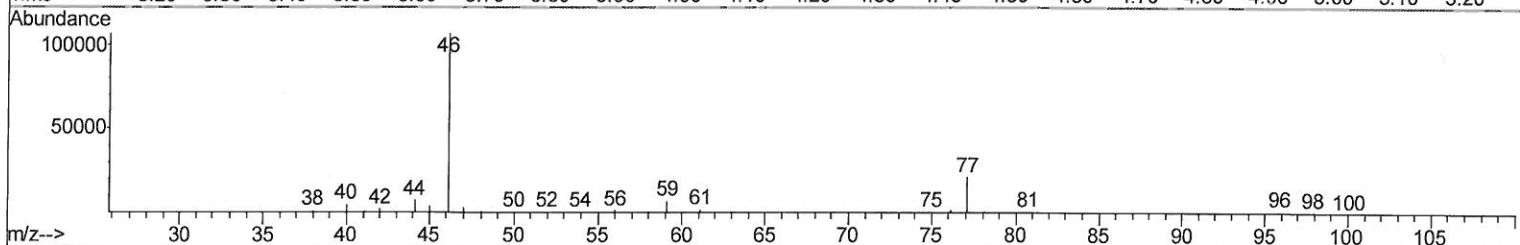
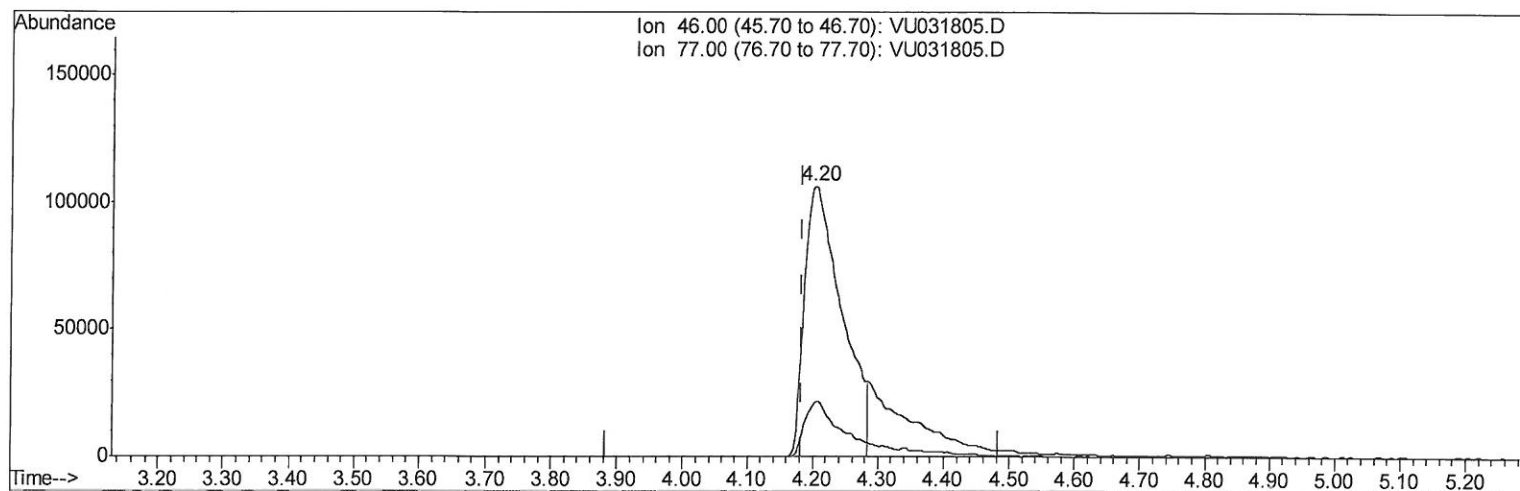
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A5152

Manual Integrations  
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Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 06:47:54 2019  
Response via : Initial Calibration



TIC: VU031805.D

(21) 2-Butanone-d5 (S)

4.202min (+0.019) 81.84ug/L

response 424469

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 20.30 | 16.17 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

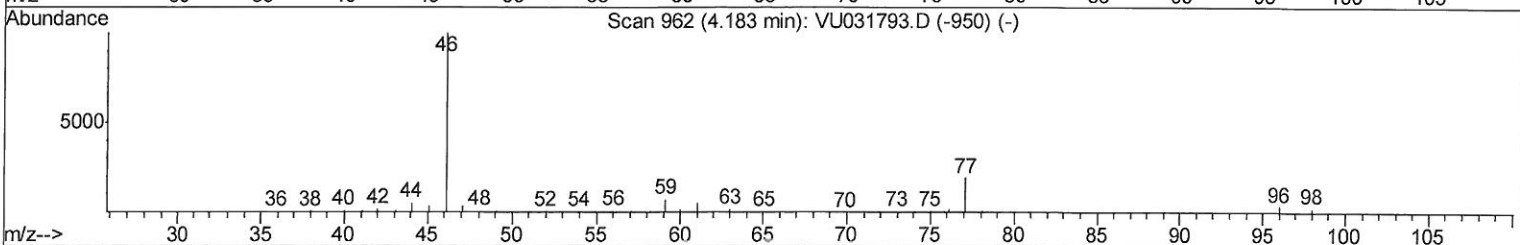
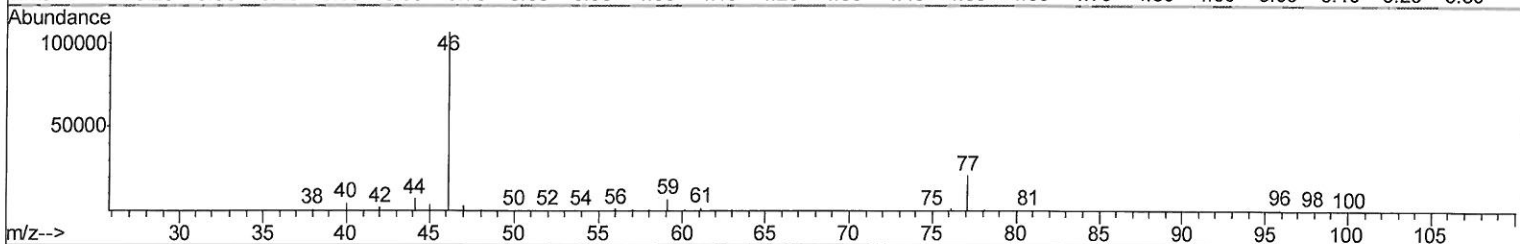
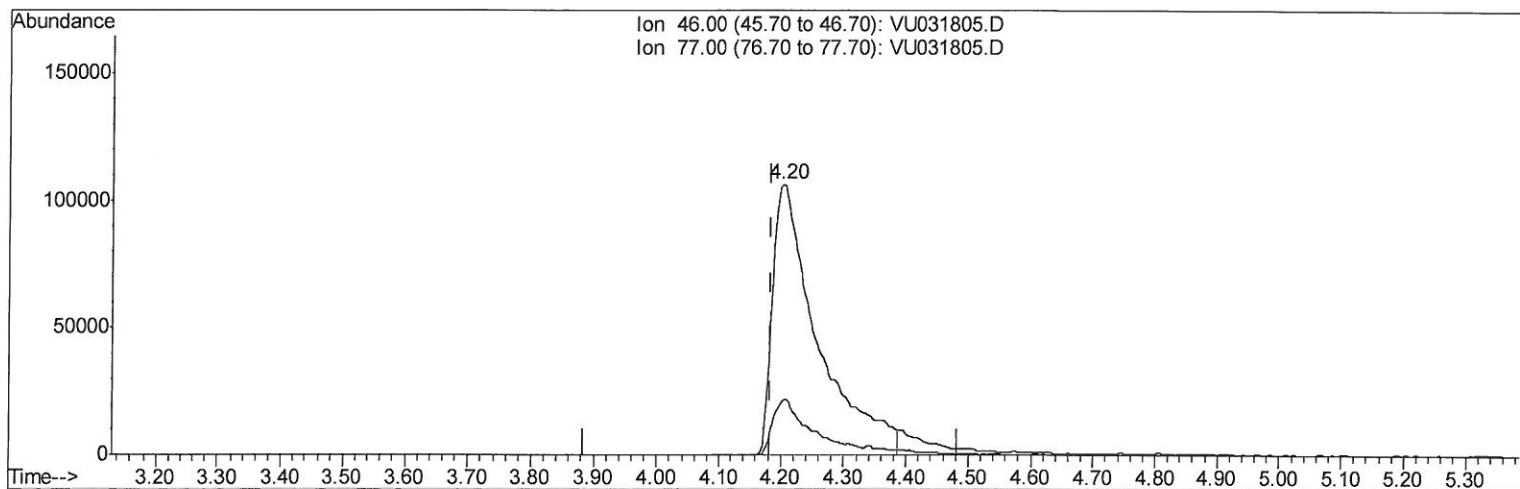
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A5152

Manual Integrations  
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Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 06:47:54 2019  
Response via : Initial Calibration



TIC: VU031805.D

(21) 2-Butanone-d5 (S)

4.202min (+0.019) 102.10ug/L m

response 529495

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 46.00 | 100   | 100    |
| 77.00 | 20.30 | 12.96# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

*Handwritten:* 7 MD  
5/12/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

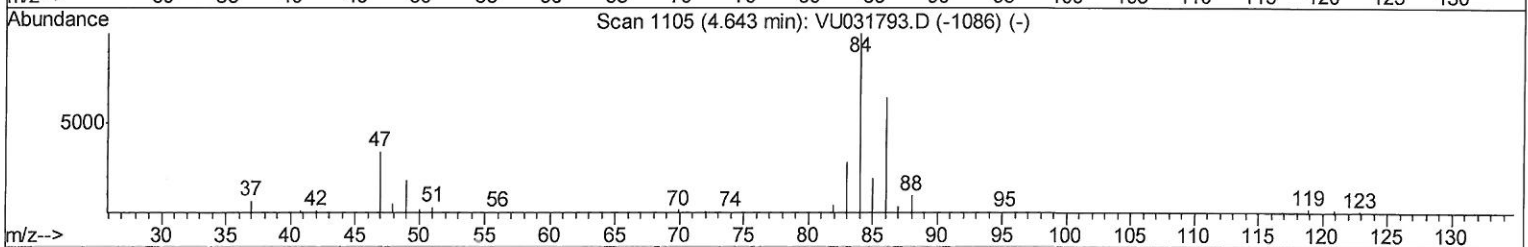
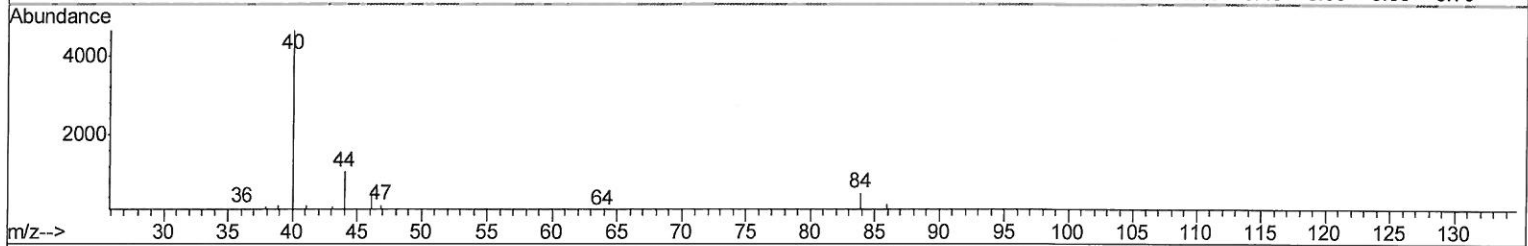
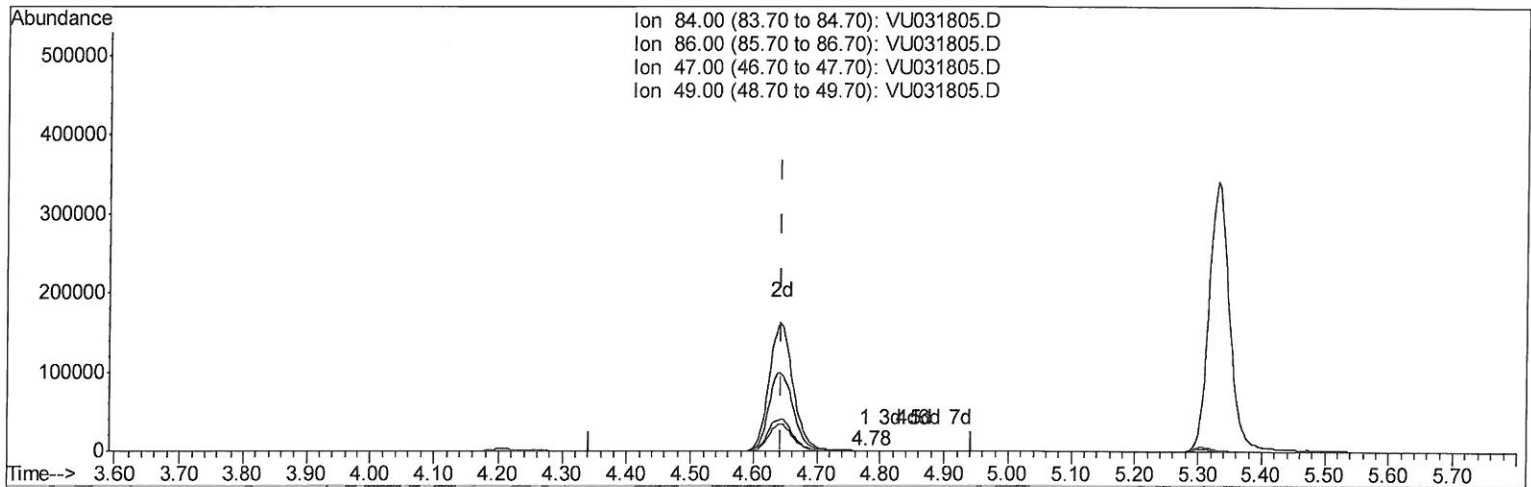
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
A5152

Manual Integrations  
APPROVED

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Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 08 06:47:54 2019  
Response via : Initial Calibration



TIC: VU031805.D

(24) Chloroform-d (S)

4.778min (+0.135) 0.03ug/L

response 271

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 84.00 | 100   | 100   |
| 86.00 | 62.50 | 49.82 |
| 47.00 | 45.70 | 33.21 |
| 49.00 | 27.20 | 29.89 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU050719\  
Quantitation Report (Qedit)

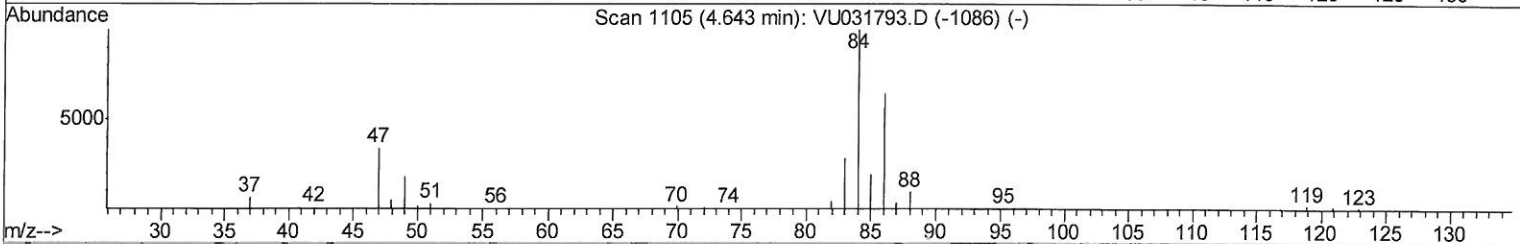
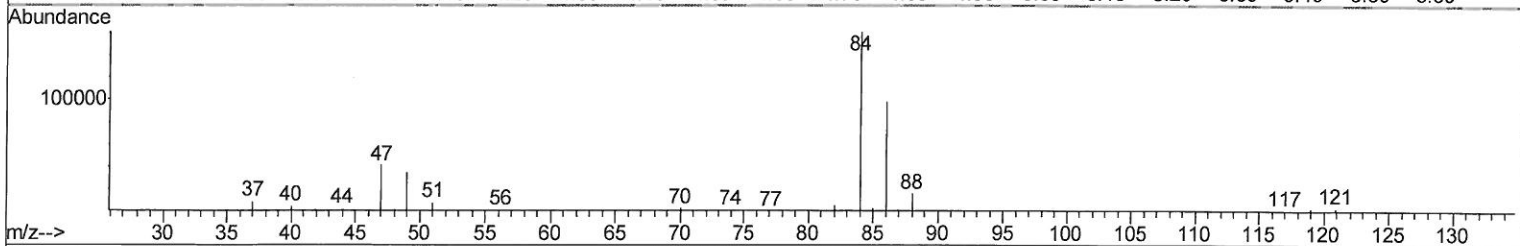
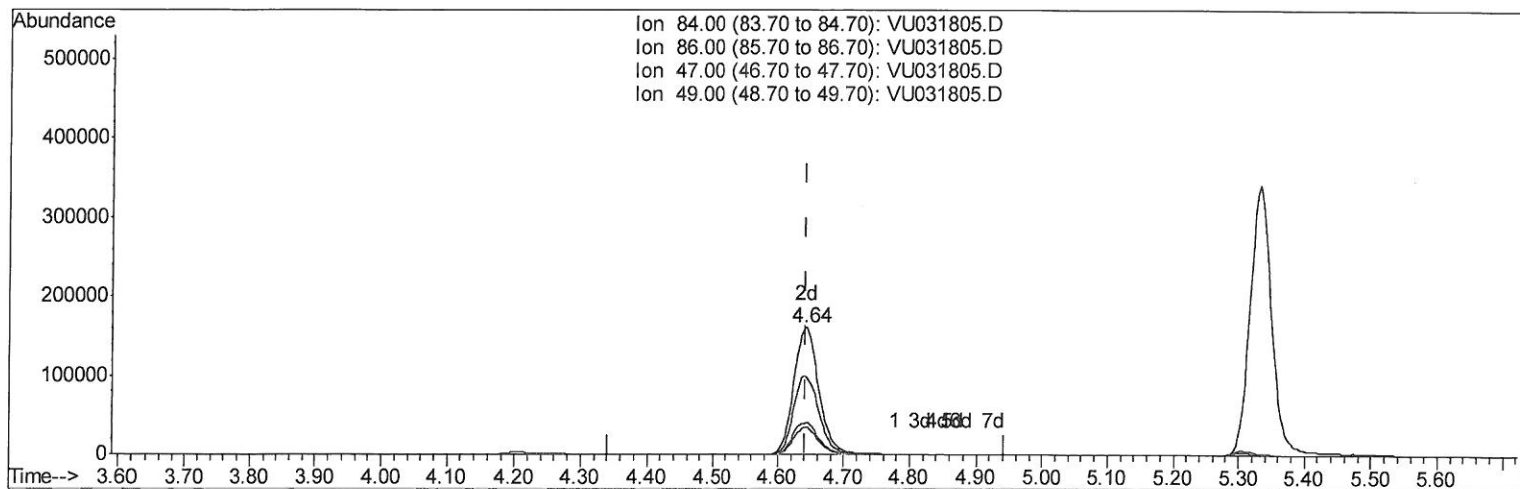
Data File : VU031805.D  
Acq On : 07 May 2019 15:27  
Operator : JC/SP  
Sample : K2690-06  
Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
A5152

Manual Integrations  
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MMDadoda  
5/8/2019 11:12:16 AM

Quant Time: May 08 06:52:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
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Response via : Initial Calibration



TIC: VU031805.D

(24) Chloroform-d (S)

4.643min (-0.000) 40.22ug/L m

response 421621

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 84.00 | 100   | 100   |
| 86.00 | 62.50 | 0.03# |
| 47.00 | 45.70 | 0.02# |
| 49.00 | 27.20 | 0.02# |

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5/12/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050719\

Data File : VU031805.D

Acq On : 07 May 2019 15:27

Operator : JC/SP

Sample : K2690-06

Misc : 4.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH

ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 05:24:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Wed May 08 06:47:54 2019

Response via : Initial Calibration

Instrument :

MSVOA\_U

ClientSampleId :

A5152

Manual Integrations  
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5/8/2019 11:12:16 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 683941   | 50.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 651092   | 50.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 236886   | 50.00 | ug/L  | 0.00      |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 182690   | 31.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 63.84%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 140017   | 31.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 63.30%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 294062m  | 25.80    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.60%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 529495m  | 102.10   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.10% |
| 24) Chloroform-d               | 4.64    | 84    | 421621m  | 40.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 319392   | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.26%  |
| 32) Benzene-d6                 | 5.33    | 84    | 773317   | 38.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 301688   | 42.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.78%  |
| 41) Toluene-d8                 | 7.56    | 98    | 602021   | 34.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 69.14%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 119688   | 39.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.28%  |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 302698   | 99.42    | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 404214   | 42.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 197661   | 39.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.36%# |

## Target Compounds

| Target Compounds    | R.T. | QIon | Response | Conc   | Units | Ovalue |
|---------------------|------|------|----------|--------|-------|--------|
| 34) Trichloroethene | 6.18 | 95   | 121303   | 20.905 | ug/L  | 94     |

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

MQ  
5/12/19