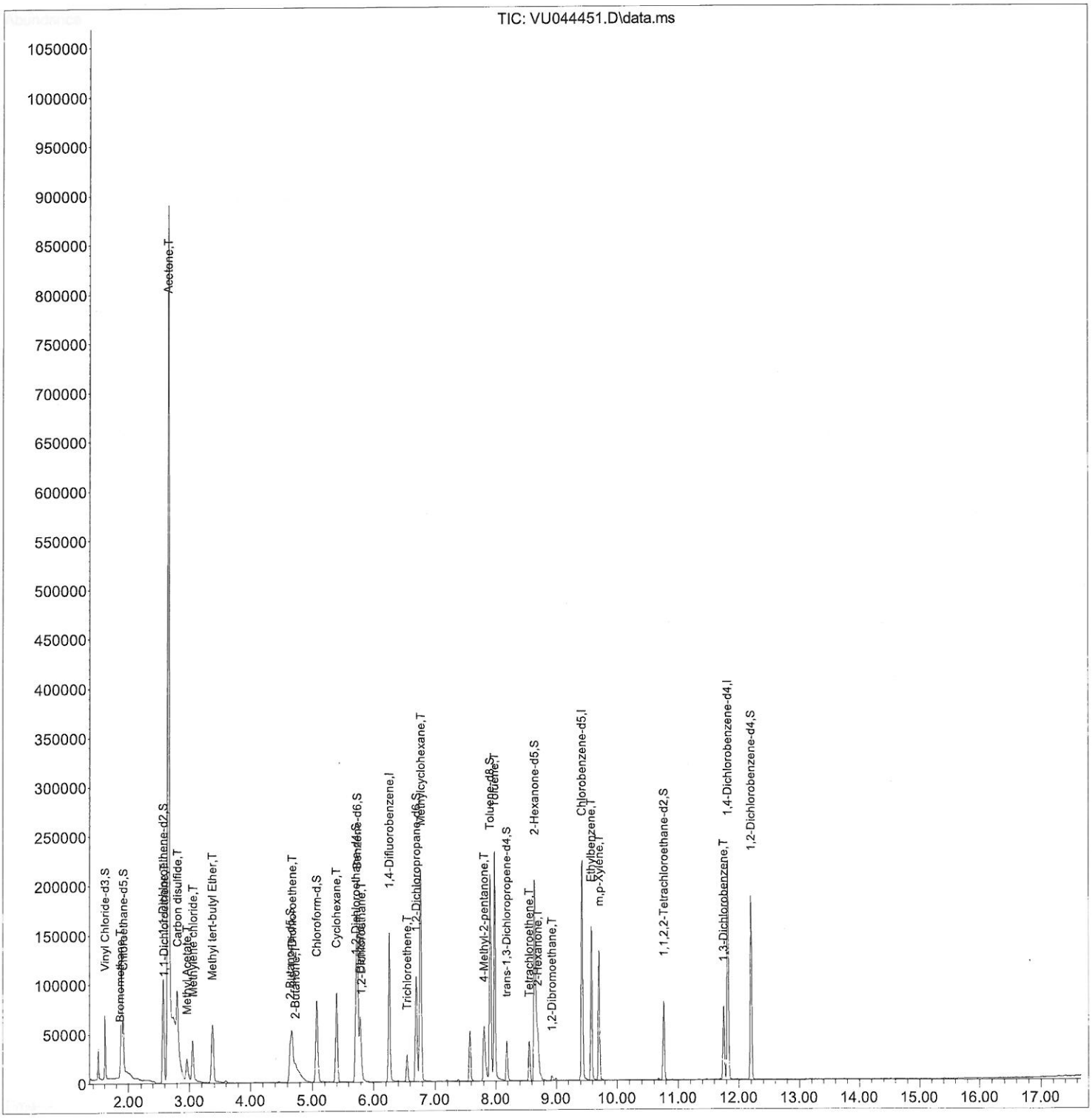
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM



Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
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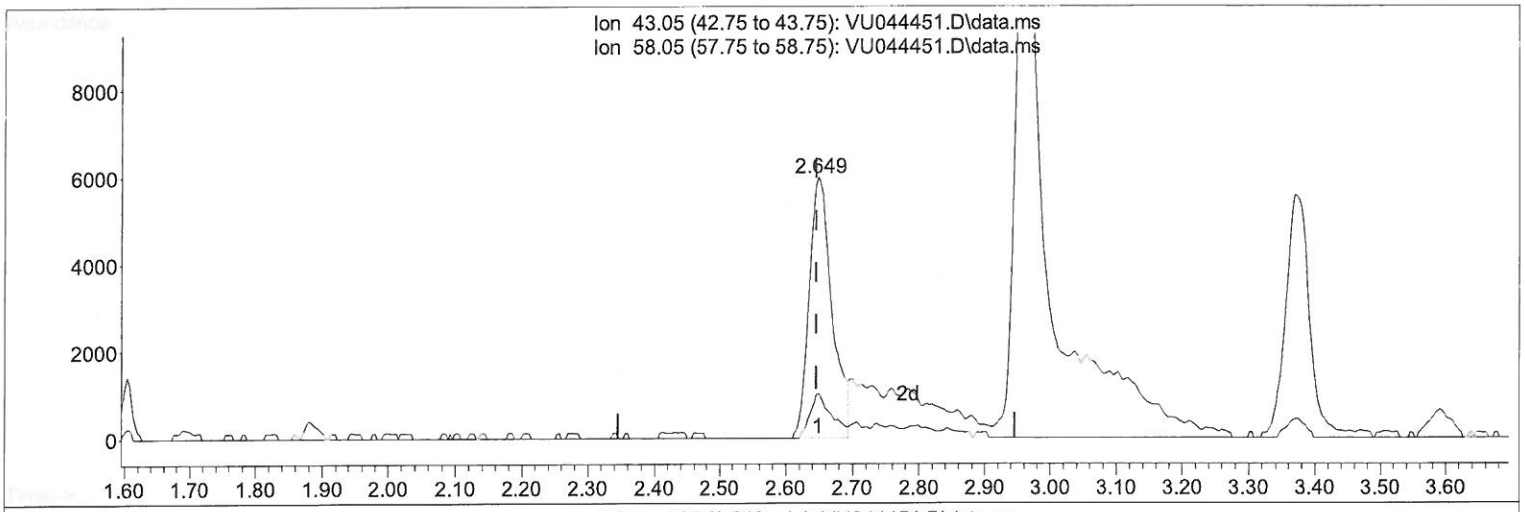
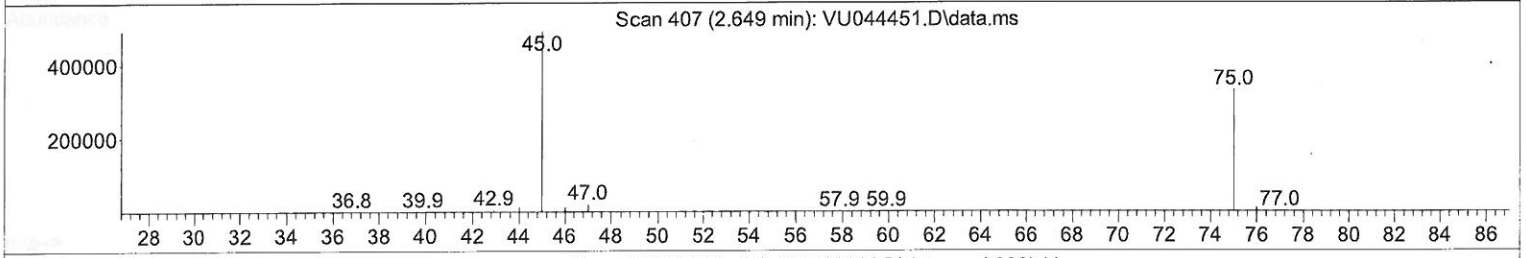
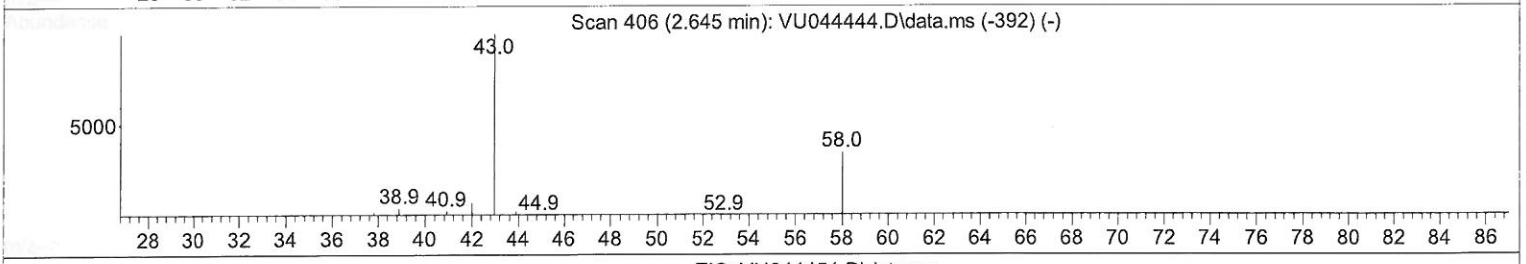
**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM




TIC: VU044451.D\data.ms

(13) Acetone (T)

2.649min (+ 0.003) 6.33 ug/L

response 14280

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70 | 15.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
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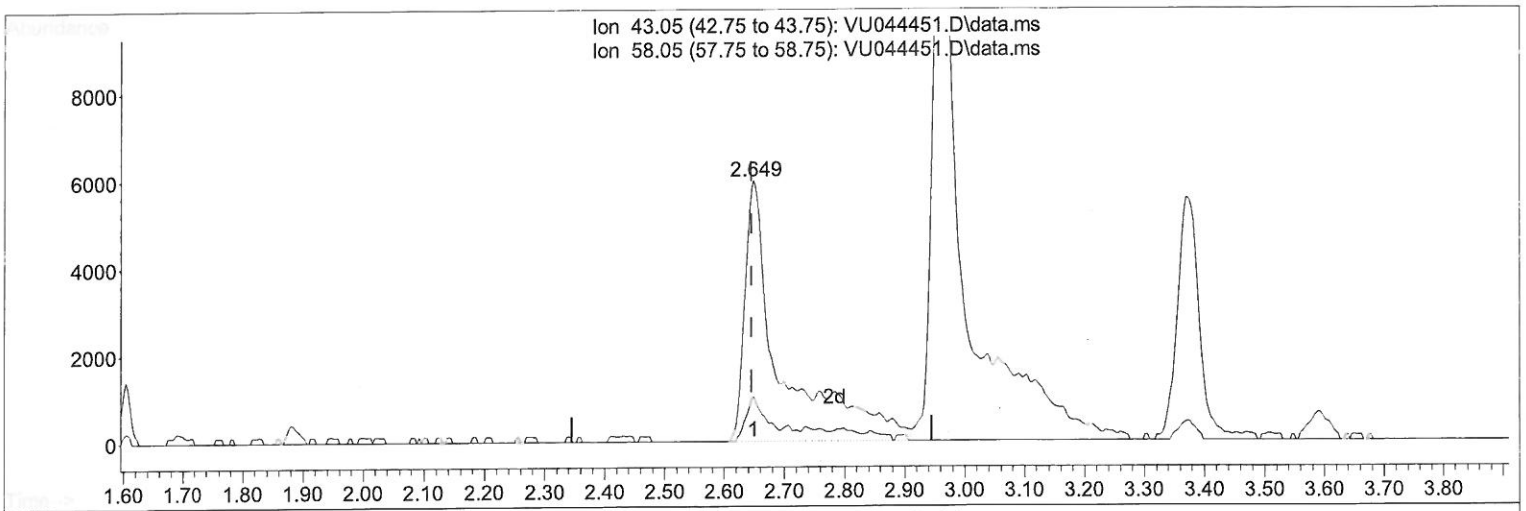


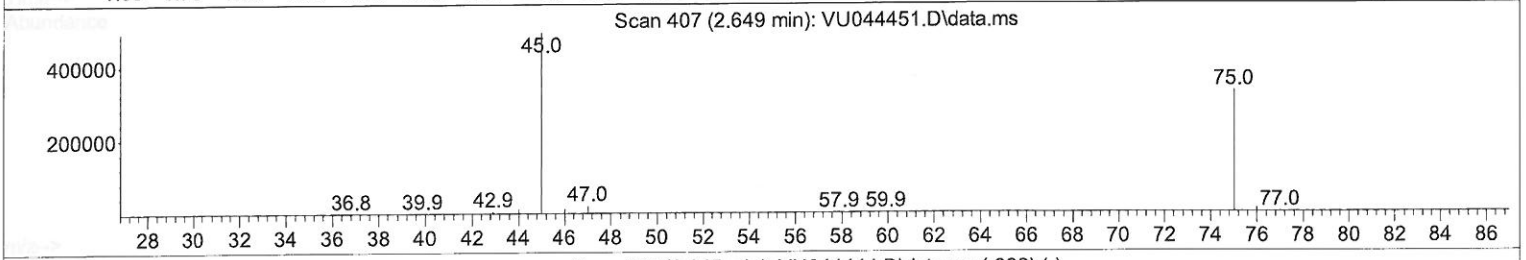


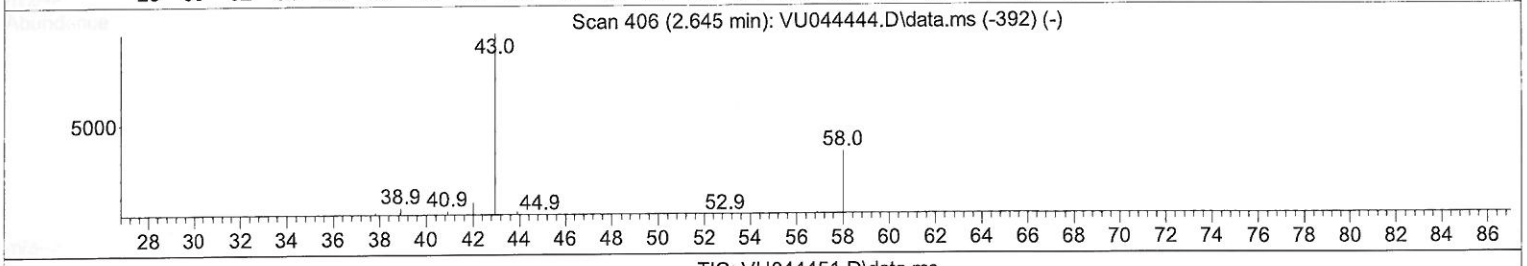


TIC: VU044451.D\data.ms

(13) Acetone (T)

2.649min (+ 0.003) 11.00 ug/L m

response 24823

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70 | 9.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
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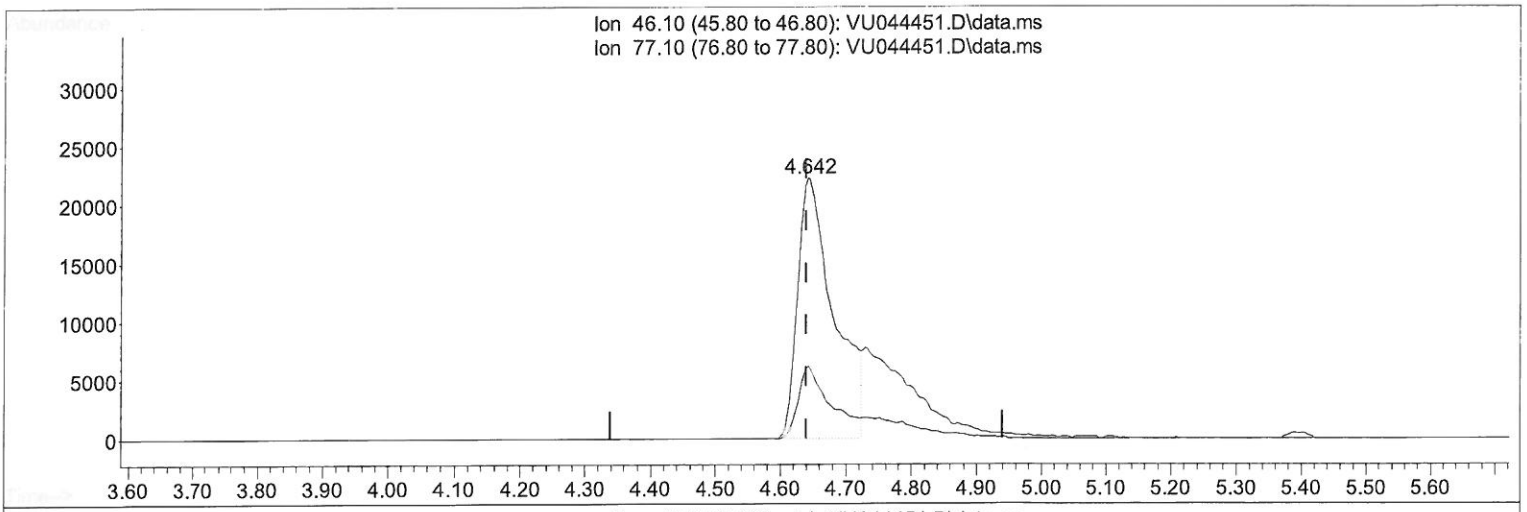


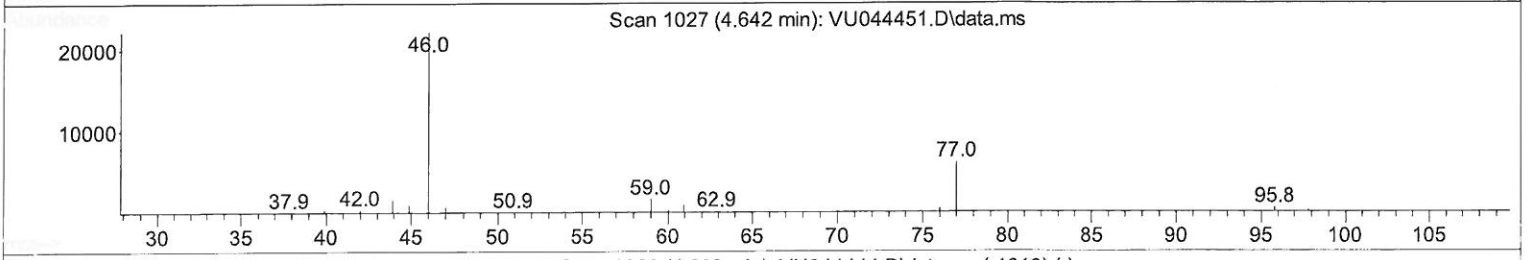


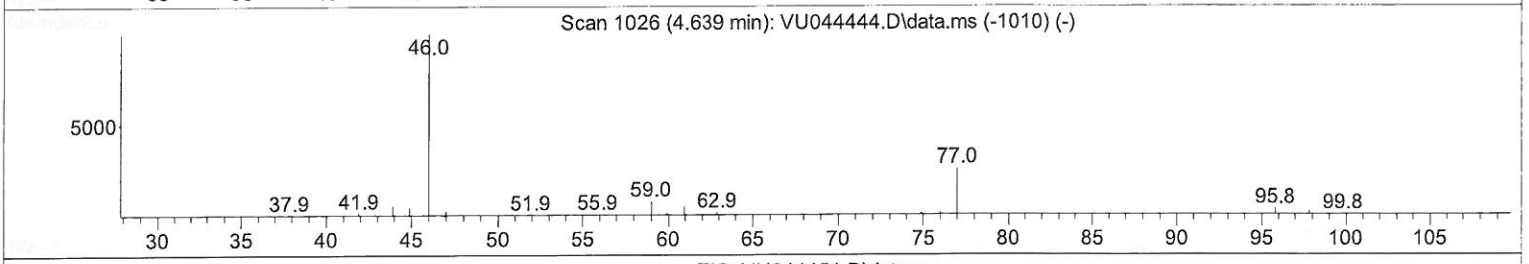


TIC: VU044451.D\data.ms

(20) 2-Butanone-d5 (S)

4.642min (+ 0.003) 31.30 ug/L

response 85043

| Ion | Exp% | Act% |
|---|---|---|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00 | 25.19 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
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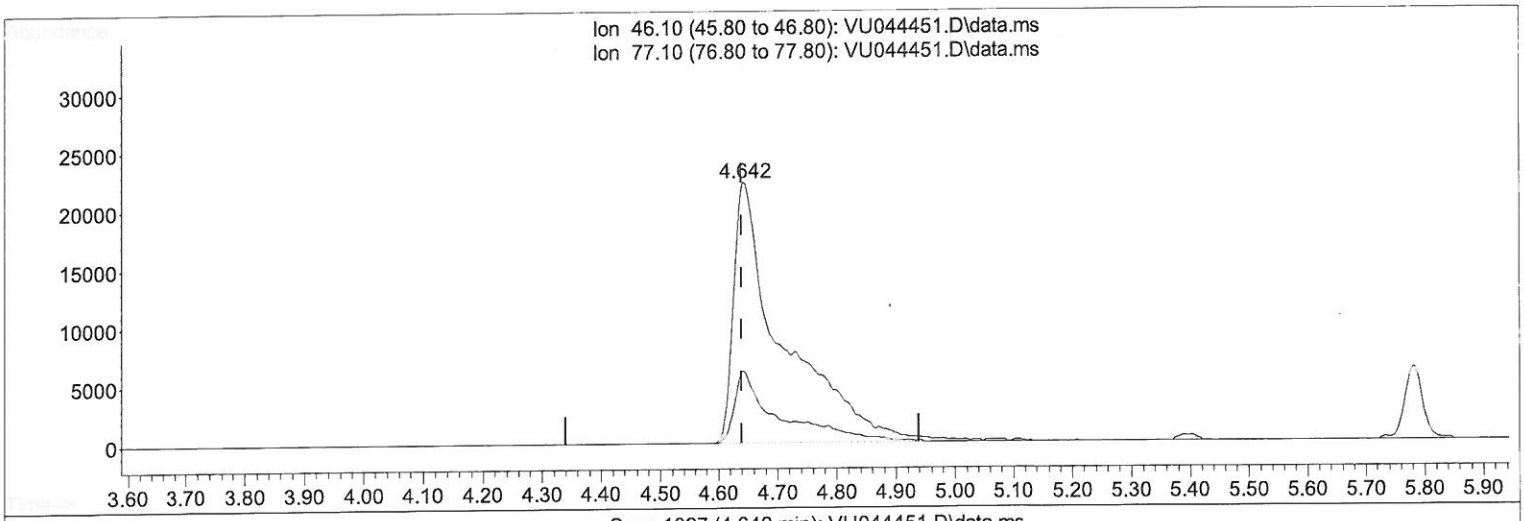


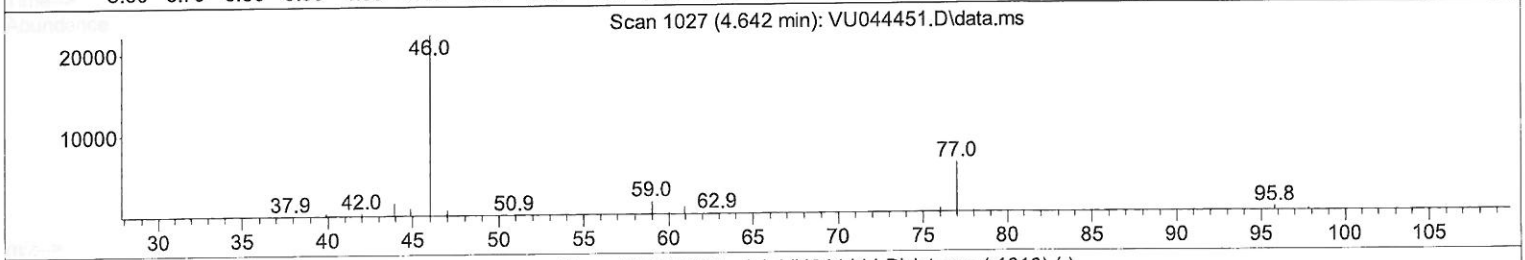


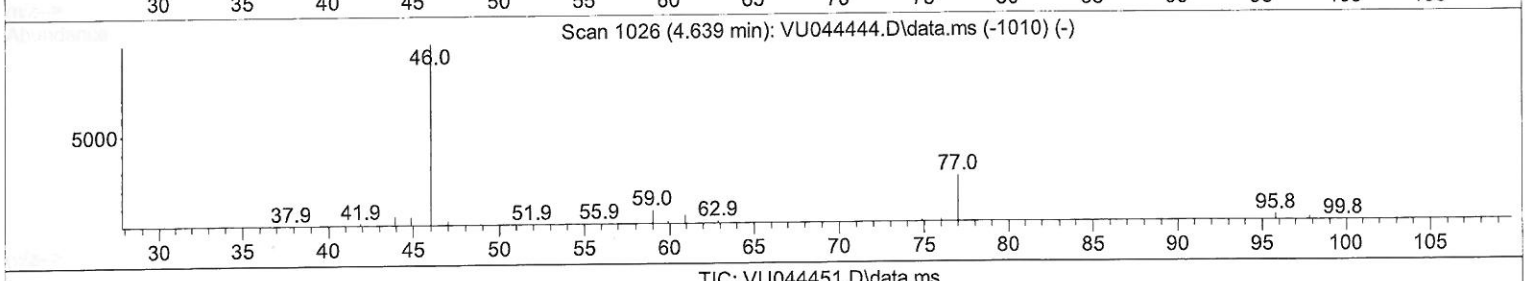


TIC: VU044451.D\data.ms

(20) 2-Butanone-d5 (S)

4.642min (+ 0.003) 46.70 ug/L m

response 126866

| Ion | Exp% | Act% |
|---|---|---|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00 | 16.88# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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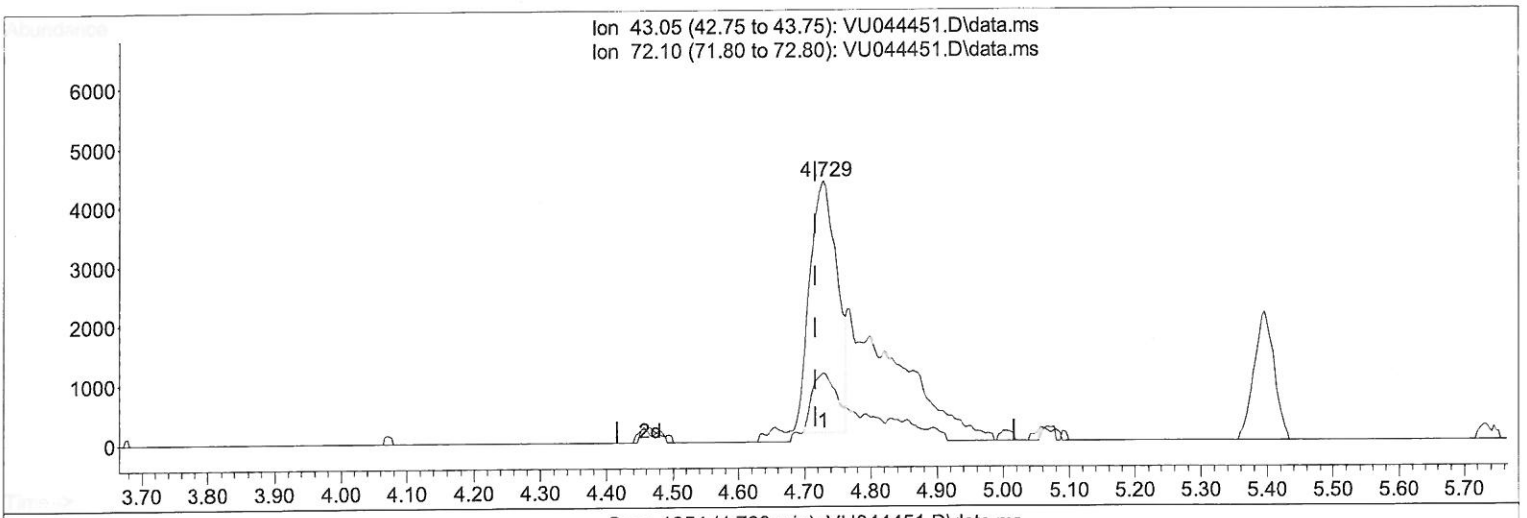
Quantitation Report (Qedit)

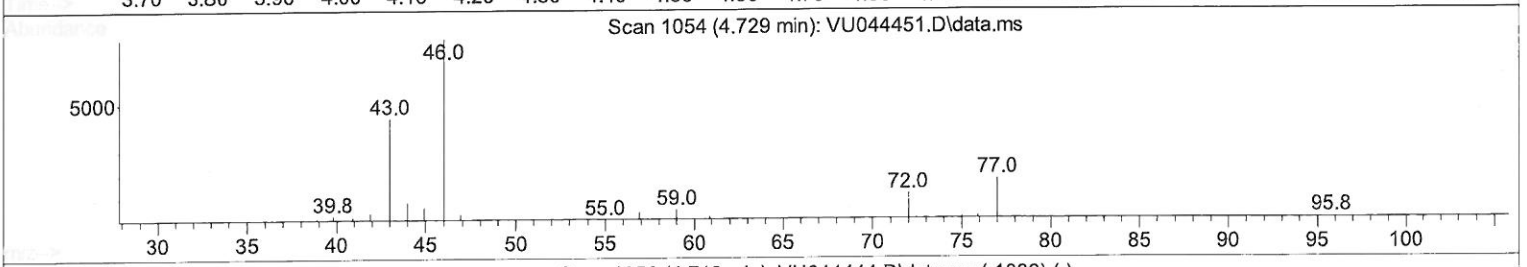
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

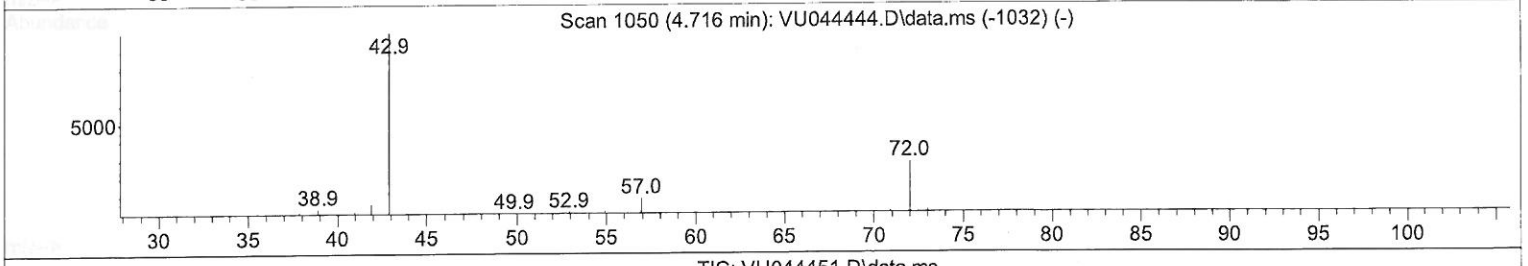
Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM




TIC: VU044451.D\data.ms

(21) 2-Butanone (T)

4.729min (+ 0.013) 3.78 ug/L

response 12159

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30 | 27.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

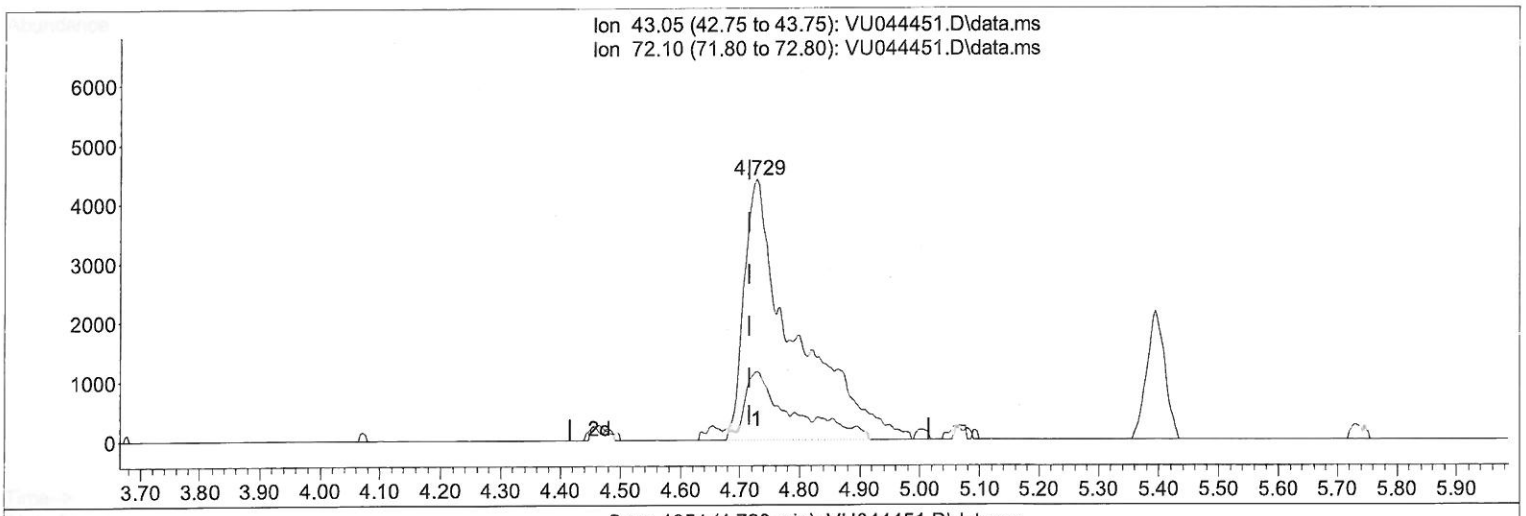
Quantitation Report (Qedit)

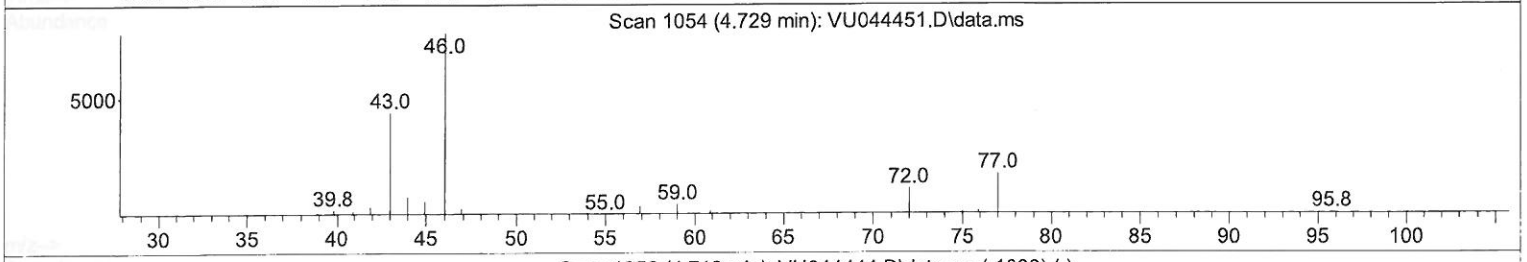
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

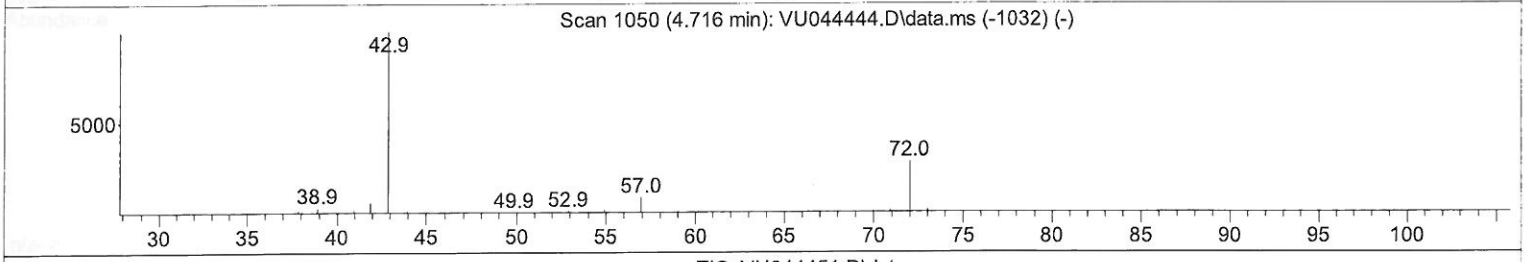
Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM




TIC: VU044451.D\data.ms

(21) 2-Butanone (T)

4.729min (+ 0.013) 7.93 ug/L m

response 25506

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30 | 13.01# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 8/20/21

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
Data File : VU044451.D
Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.256 | 114 | 121455 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.423 | 117 | 121050 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 56192 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.601 | 65 | 43202 | 4.398 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.000% | | | |
| 7) Chloroethane-d5 | 1.916 | 69 | 38922 | 4.559 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 91.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.572 | 65 | 18829 | 4.506 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 90.200% | | | |
| 20) 2-Butanone-d5 | 4.642 | 46 | 126866m | 46.700 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 93.400% | | | |
| 24) Chloroform-d | 5.070 | 84 | 74453 | 4.286 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.710 | 65 | 43030 | 4.543 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.800% | | | |
| 32) Benzene-d6 | 5.735 | 84 | 158863 | 4.661 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.697 | 67 | 51128 | 4.689 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 93.800% | | | |
| 41) Toluene-d8 | 7.903 | 98 | 139353 | 4.610 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.200% | | | |
| 43) trans-1,3-Dichloroprop... | 8.186 | 79 | 17368 | 4.435 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.600% | | | |
| 46) 2-Hexanone-d5 | 8.645 | 63 | 101196 | 47.784 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 95.560% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84 | 41182 | 4.484 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 89.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 45935 | 4.838 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 96.800% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Bromomethane | 1.861 | 94 | 3925 | 0.477 | ug/L | 91 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 5129 | 0.549 | ug/L # | 1 |
| 13) Acetone | 2.649 | 43 | 24823m | 11.004 | ug/L | |
| 14) Carbon disulfide | 2.800 | 76 | 61891 | 2.044 | ug/L | 100 |
| 15) Methyl Acetate | 2.961 | 43 | 34666 | 9.409 | ug/L | 99 |
| 16) Methylene chloride | 3.054 | 84 | 18571 | 1.339 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 3.372 | 73 | 67517 | 2.797 | ug/L | 100 |
| 21) 2-Butanone | 4.729 | 43 | 25506m | 7.934 | ug/L | |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 17243 | 1.658 | ug/L | 95 |
| 27) 1,2-Dichloroethane | 5.800 | 62 | 17987 | 1.394 | ug/L # | 95 |
| 30) Cyclohexane | 5.395 | 56 | 45382 | 2.710 | ug/L | 100 |
| 33) Benzene | 5.781 | 78 | 55479 | 1.351 | ug/L | 100 |
| 34) Trichloroethene | 6.549 | 95 | 9399 | 0.926 | ug/L | 96 |
| 35) Methylcyclohexane | 6.771 | 83 | 83134 | 4.909 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.803 | 43 | 52410 | 7.178 | ug/L | 98 |
| 42) Toluene | 7.977 | 91 | 172260 | 4.027 | ug/L | 99 |
| 47) Tetrachloroethene | 8.559 | 164 | 8397 | 1.196 | ug/L | 97 |
| 48) 2-Hexanone | 8.697 | 43 | 30075 | 5.772 | ug/L | 98 |

MD 8/20/24

MD 8/20/24

Quantitation Report (QT Reviewed)

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Acq On : 18 Aug 2021 17:01
Operator : SY/MD
Sample : M3395-14DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 04:04:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 19 03:54:51 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
X3622DL

**Manual Integrations APPROVED**
MMDadoda
8/19/2021 3:31:40 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-Dibromoethane | 8.928 | 107 | 3431 | 0.468 | ug/L | # | 92 |
| 52) Ethylbenzene | 9.575 | 91 | 111926 | 2.477 | ug/L | | 98 |
| 53) m,p-Xylene | 9.703 | 106 | 35721 | 2.102 | ug/L | | 97 |
| 64) 1,3-Dichlorobenzene | 11.751 | 146 | 29333 | 1.629 | ug/L | | 98 |

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