

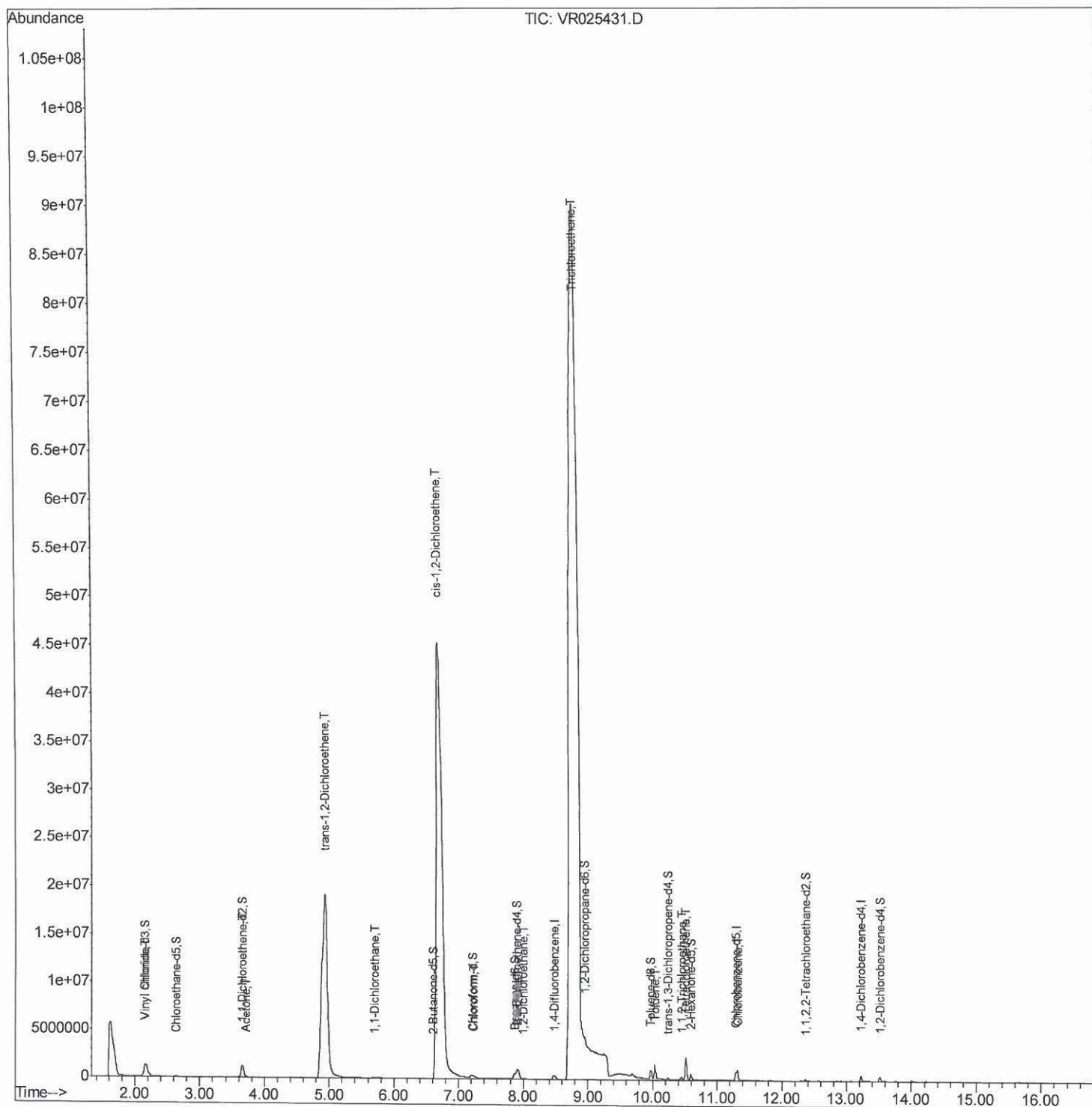
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR062518\  
Data File : VR025431.D  
Acq On : 25 Jun 2018 16:19  
Operator : SY/MD  
Sample : J3673-13MS  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
DAZA7MS

Manual Integrations  
APPROVED

MMDadoda  
6/28/2018 5:14:43 PM

Quant Time: Jun 26 02:05:48 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 22 22:38:28 2018  
Response via : Initial Calibration



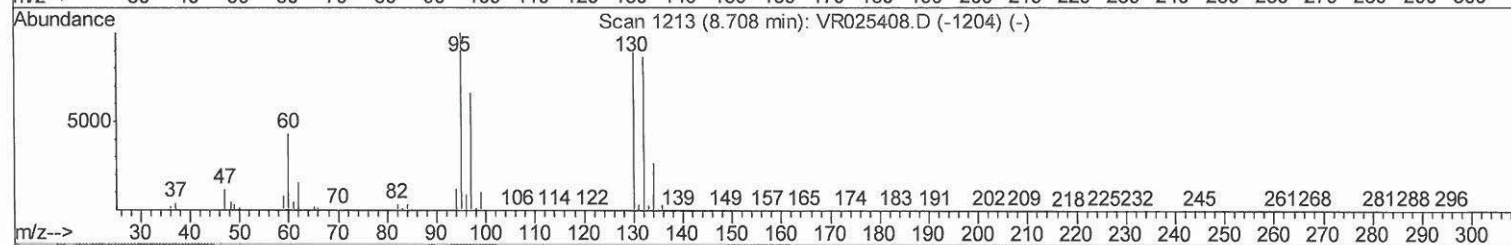
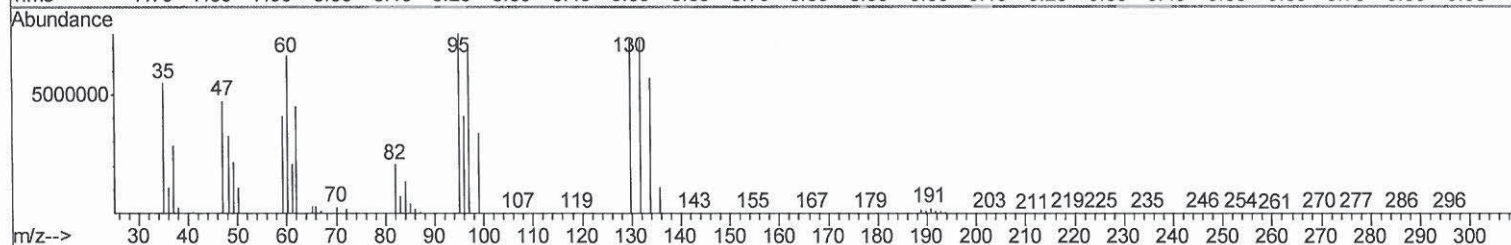
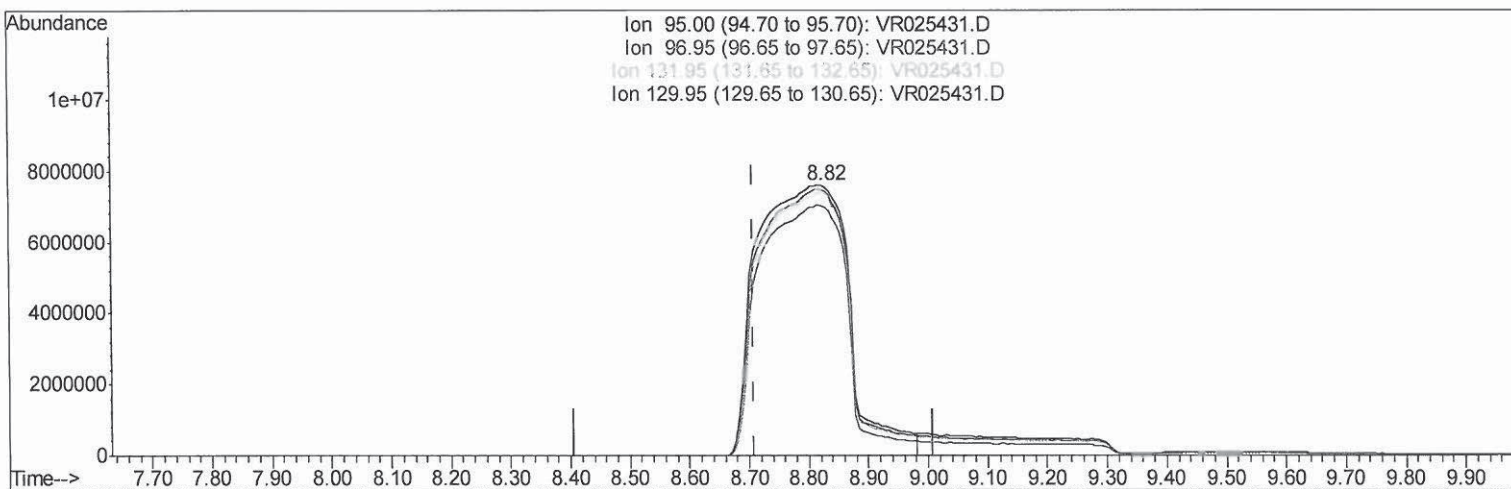
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TIC: VR025431.D

(34) Trichloroethene (T)

8.824min (+0.116) 2022.39ug/L

response 80736746

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 95.00  | 100   | 100    |
| 96.95  | 65.10 | 92.30# |
| 131.95 | 87.00 | 96.73  |
| 129.95 | 88.60 | 98.30  |

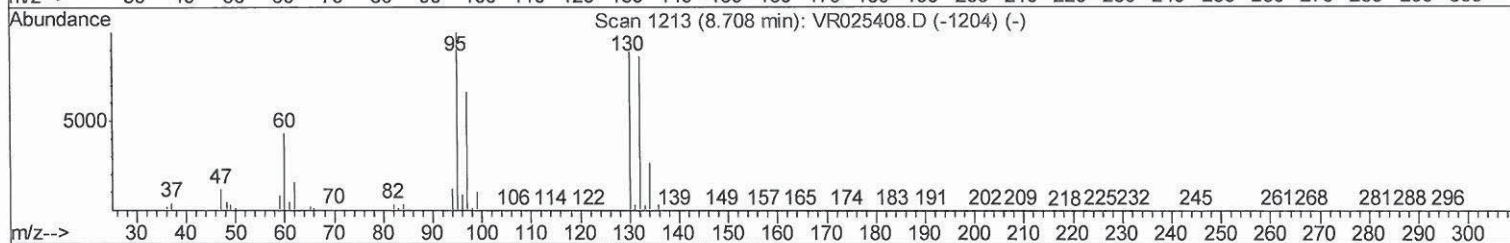
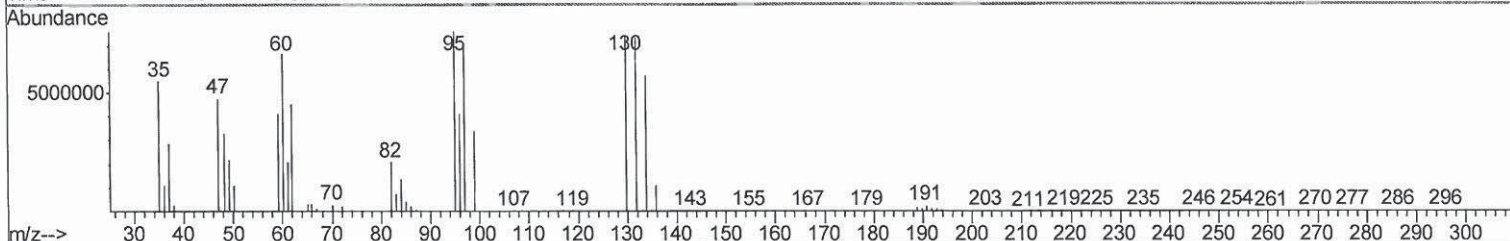
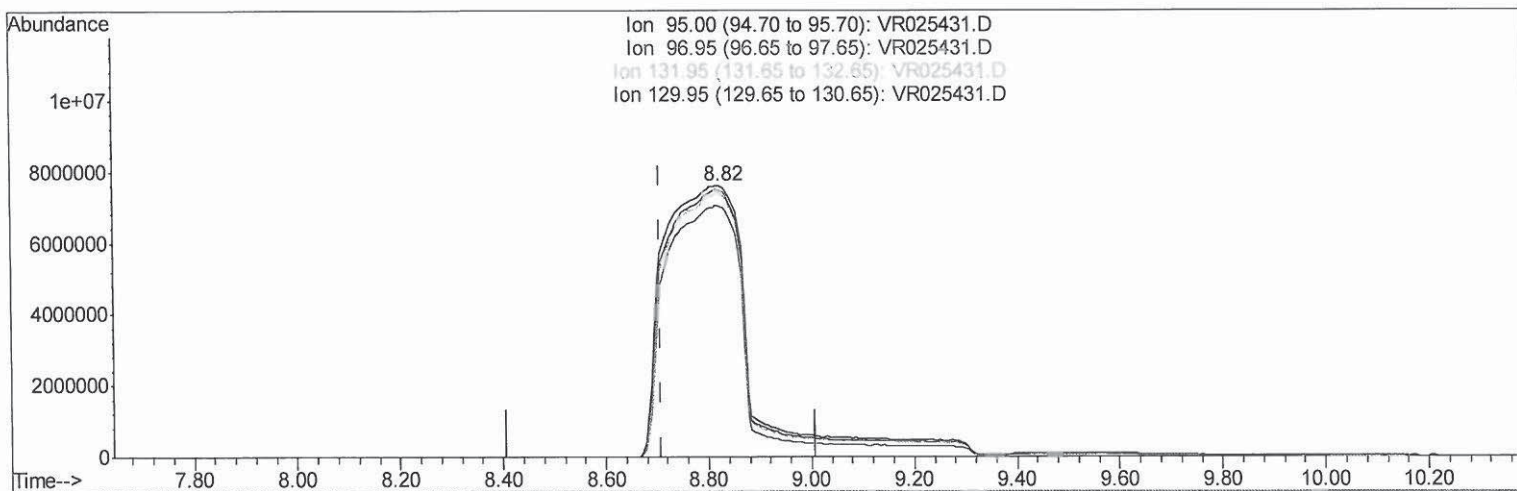
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Quant Title : TRACE VOA SOM01.0  
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Response via : Initial Calibration



TIC: VR025431.D

(34) Trichloroethene (T)

8.824min (+0.116) 2277.47ug/L m

response 90919647

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 95.00  | 100   | 100    |
| 96.95  | 65.10 | 92.30# |
| 131.95 | 87.00 | 96.73  |
| 129.95 | 88.60 | 98.30  |

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 MSVOA\_R  
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Manual Integrations  
 APPROVED

MMDadoda  
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Quant Time: Jun 26 02:05:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 22 22:38:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.48  | 114  | 562456   | 5.00 | ug/L  | 0.02     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 420267   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 141401   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 84397    | 4.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.00%   |
| 7) Chloroethane-d5             | 2.63   | 69    | 56178    | 3.99     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.80%   |
| 11) 1,1-Dichloroethene-d2      | 3.66   | 63    | 522556   | 10.60    | ug/L | 0.02     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 212.00%# |
| 20) 2-Butanone-d5              | 6.60   | 46    | 5917     | 1.15     | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 2.30%#   |
| 24) Chloroform-d               | 7.21   | 84    | 341255   | 4.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%   |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 143849   | 5.25     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.00%  |
| 32) Benzene-d6                 | 7.87   | 84    | 713342   | 5.00     | ug/L | 0.01     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00%  |
| 36) 1,2-Dichloropropane-d6     | 8.95   | 67    | 168093   | 4.15     | ug/L | 0.05     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.00%   |
| 41) Toluene-d8                 | 9.97   | 98    | 549024   | 4.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20%   |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 62281    | 5.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 115.60%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 220423   | 58.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 117.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 83403    | 5.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 131662   | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80%  |

## Target Compounds

|                              |       |     |           |          | Qvalue |     |
|------------------------------|-------|-----|-----------|----------|--------|-----|
| 5) Vinyl chloride            | 2.16  | 62  | 2609343   | 112.038  | ug/L   | 99  |
| 12) 1,1-Dichloroethene       | 3.67  | 96  | 575063    | 29.085   | ug/L # | 66  |
| 13) Acetone                  | 3.71  | 43  | 43296     | 18.668   | ug/L   | 92  |
| 18) trans-1,2-Dichloroethene | 4.94  | 96  | 20277410  | 498.897  | ug/L   | 97  |
| 19) 1,1-Dichloroethane       | 5.70  | 63  | 110666    | 1.449    | ug/L   | 96  |
| 22) cis-1,2-Dichloroethene   | 6.68  | 96  | 45732975  | 1078.271 | ug/L # | 84  |
| 25) Chloroform               | 7.24  | 83  | 64066     | 0.918    | ug/L   | 95  |
| 27) 1,2-Dichloroethane       | 8.00  | 62  | 53569     | 1.681    | ug/L # | 89  |
| 33) Benzene                  | 7.92  | 78  | 1172479   | 7.105    | ug/L   | 100 |
| 34) Trichloroethene          | 8.82  | 95  | 90919647m | 2277.465 | ug/L   | 100 |
| 42) Toluene                  | 10.04 | 91  | 1005194   | 5.685    | ug/L   | 100 |
| 45) 1,1,2-Trichloroethane    | 10.45 | 97  | 82208     | 4.828    | ug/L   | 93  |
| 47) Tetrachloroethene        | 10.52 | 164 | 462148    | 17.341   | ug/L   | 95  |
| 51) Chlorobenzene            | 11.32 | 112 | 504388    | 5.326    | ug/L   | 99  |

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