

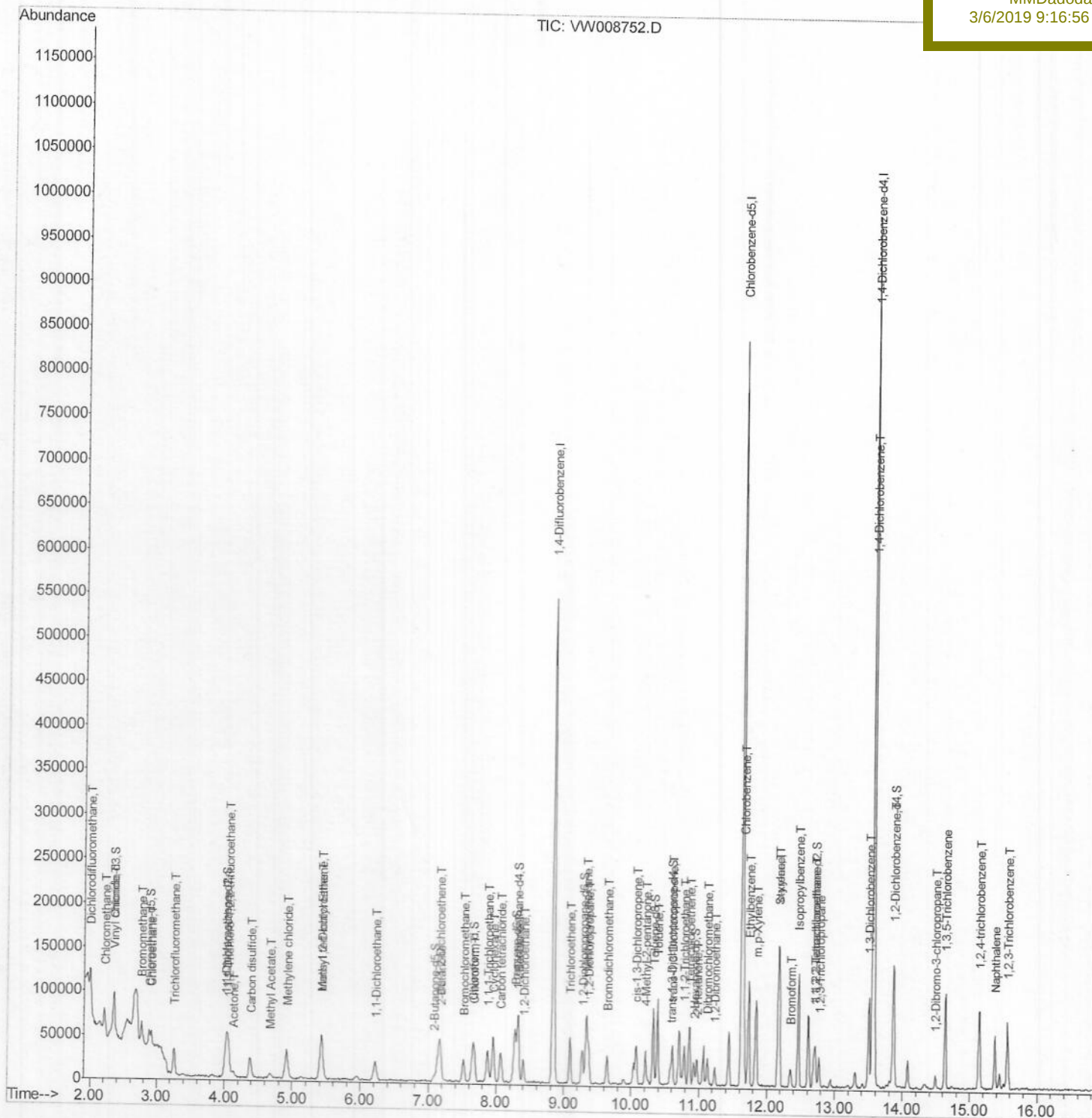
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\  
Data File : VW008752.D  
Acq On : 20 Feb 2019 11:15  
Operator : SY/VA  
Sample : VSTD2.501  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 12:40:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 20 12:31:26 2019  
Response via : Initial Calibration

Instrument :  
MSVOA\_W  
Client Sampled :  
VSTD2.501

Manual Integrations  
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3/6/2019 9:16:56 AM



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022019\  
Quantitation Report (Qedit)

Data File : VW008752.D

Acq On : 20 Feb 2019 11:15

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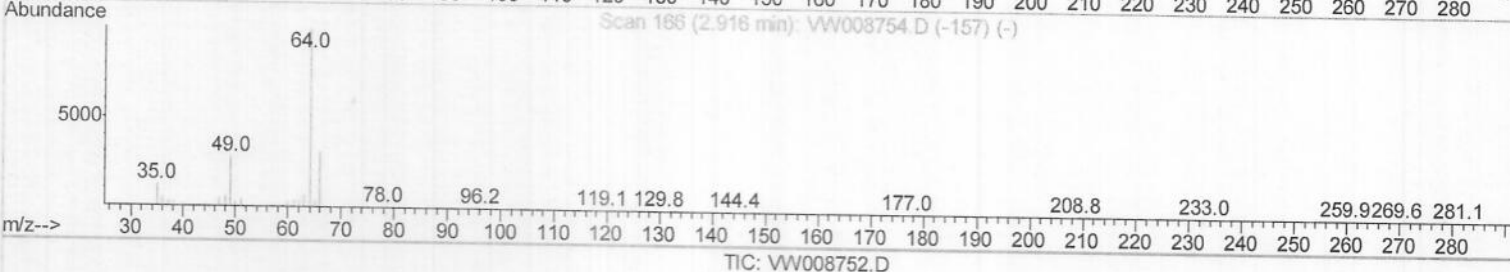
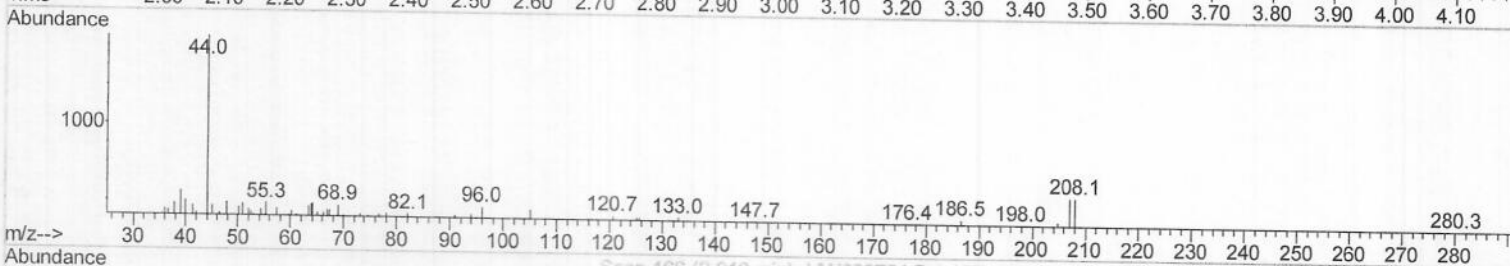
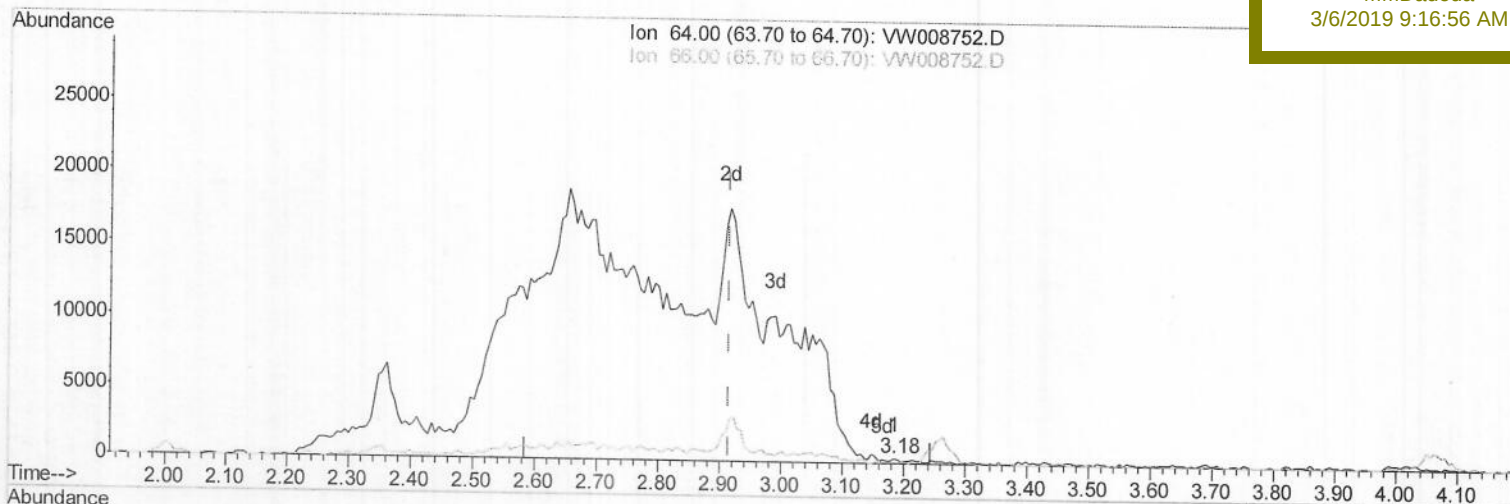
MSVOA\_W

ClientSampleId :

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(8) Chloroethane (T)

3.184min (+0.268) 0.06ug/L

response 153

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 64.00 | 100   | 100   |
| 66.00 | 29.00 | 23.33 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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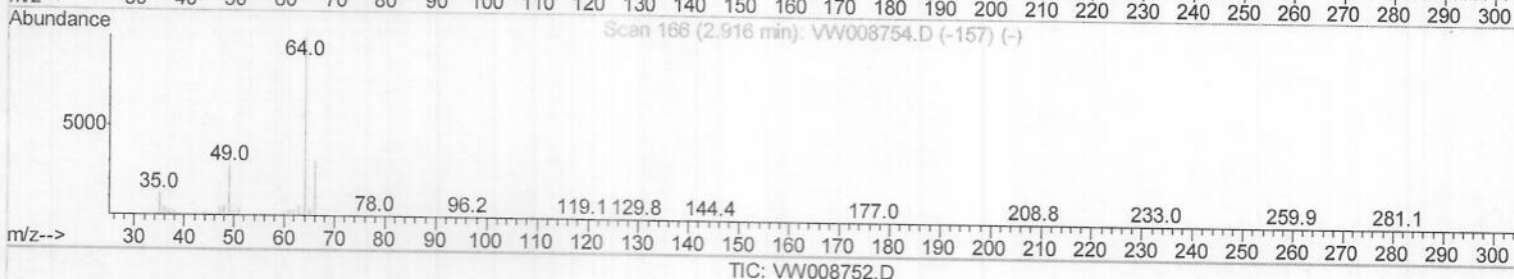
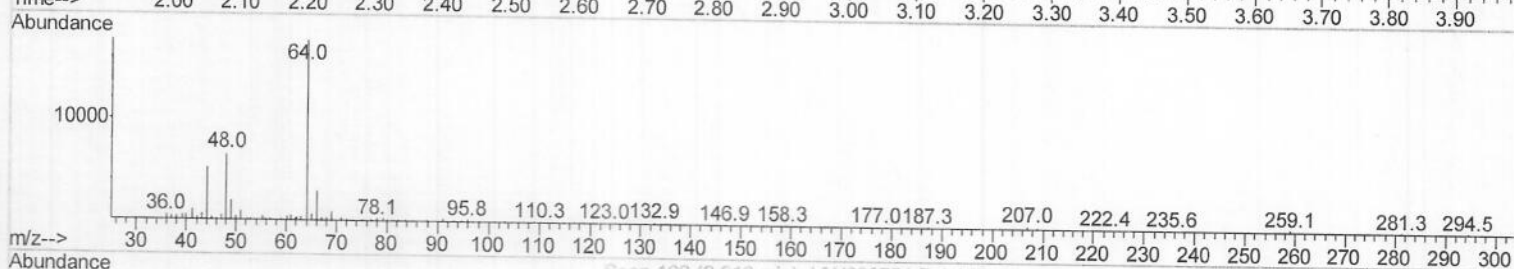
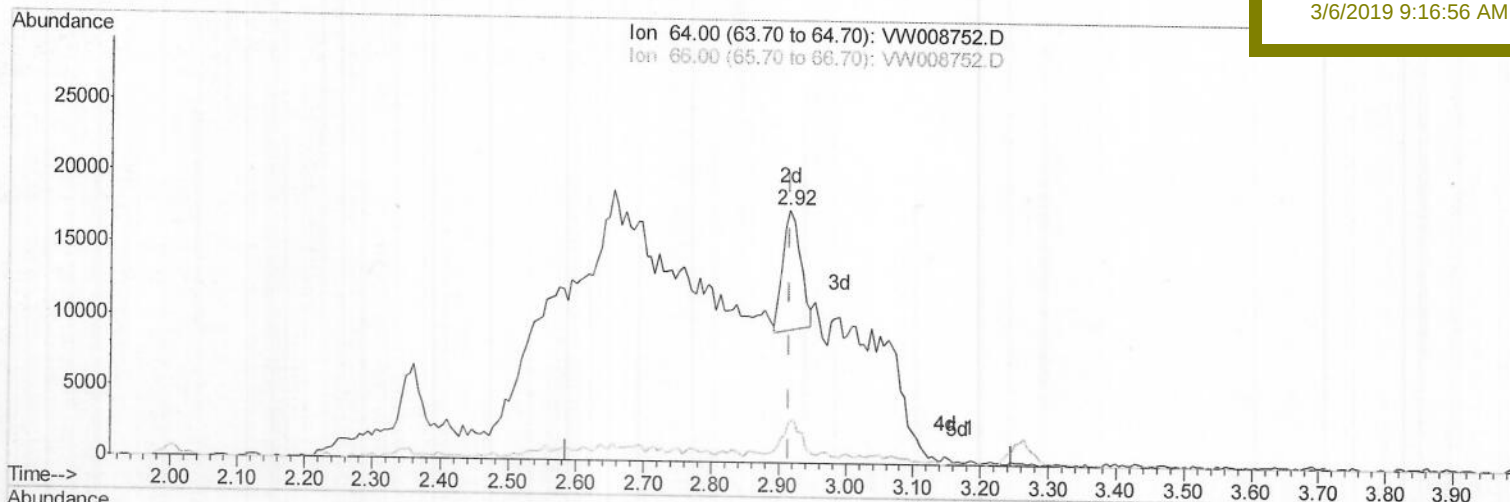
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TIC: VW008752.D

(8) Chloroethane (T)

2.916min (-0.000) 6.31ug/L m

response 15340

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 64.00 | 100   | 100    |
| 66.00 | 29.00 | 16.71# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022019\  
Quantitation Report (Qedit)

Data File : VW008752.D

Acq On : 20 Feb 2019 11:15

Operator : SY/VA

Sample : VSTD2.501

Misc : 5.00G/10ML/MSVOA\_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

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QLast Update : Wed Feb 20 12:31:26 2019

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Instrument :

MSVOA\_W

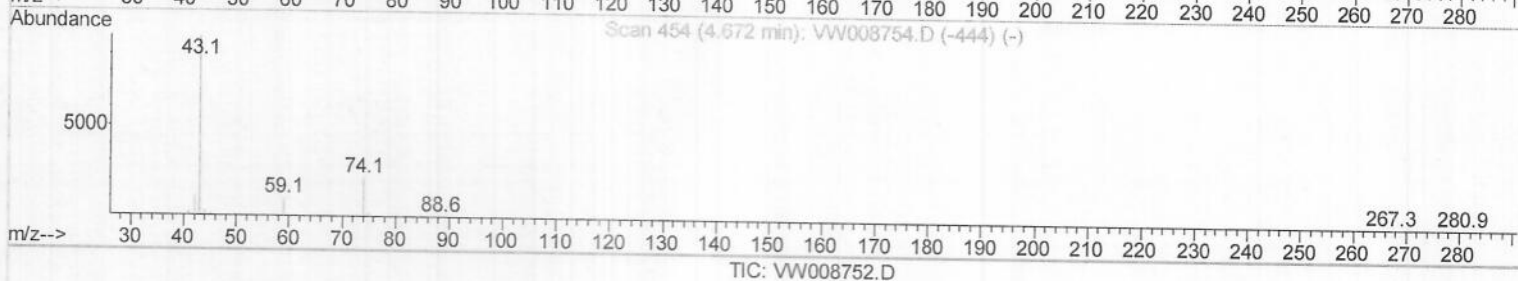
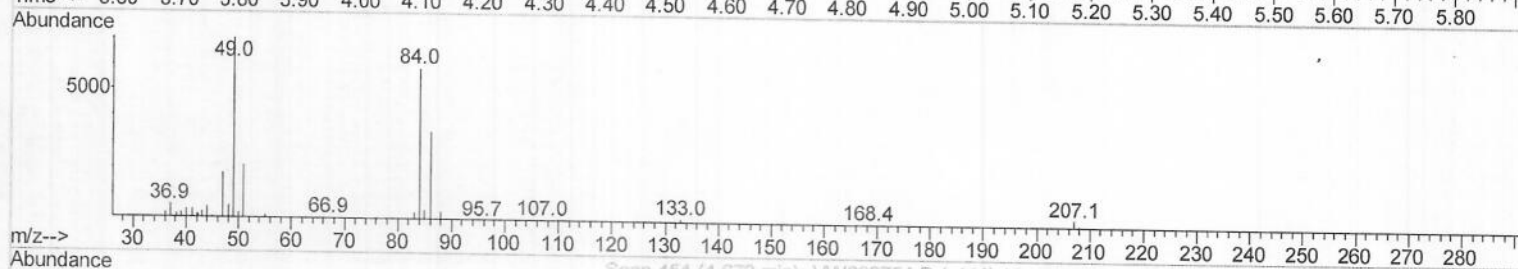
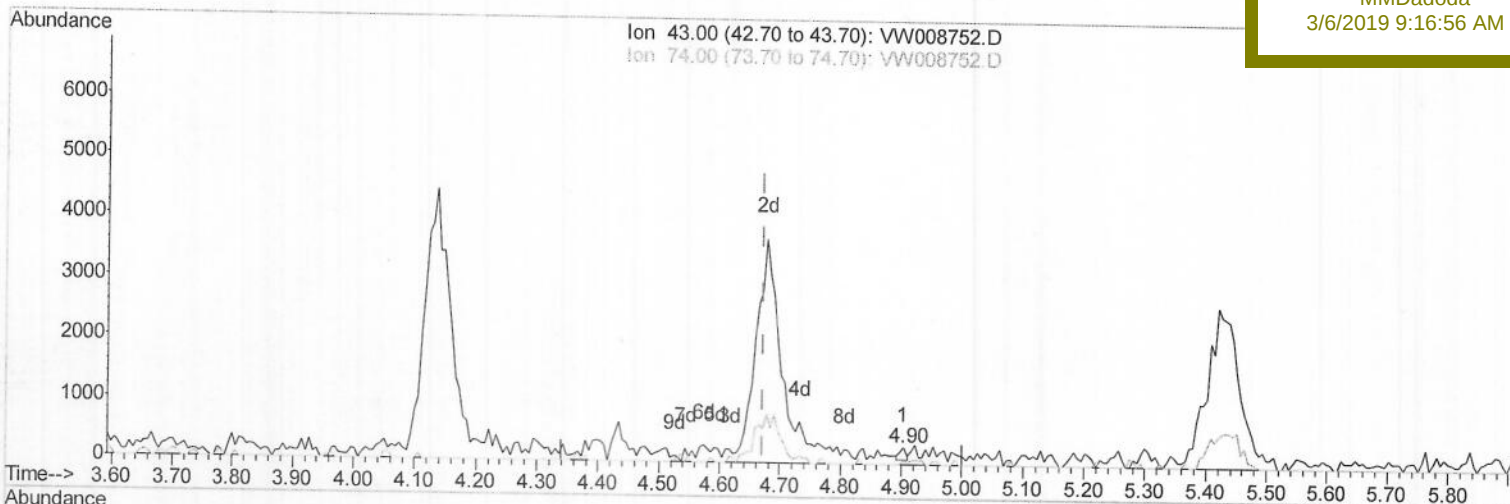
ClientSampleId :

VSTD2.501

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(15) Methyl Acetate (T)

4.903min (+0.232) 0.05ug/L

response 151

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 74.00 | 24.40 | 29.14 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022019\  
Quantitation Report (Qedit)

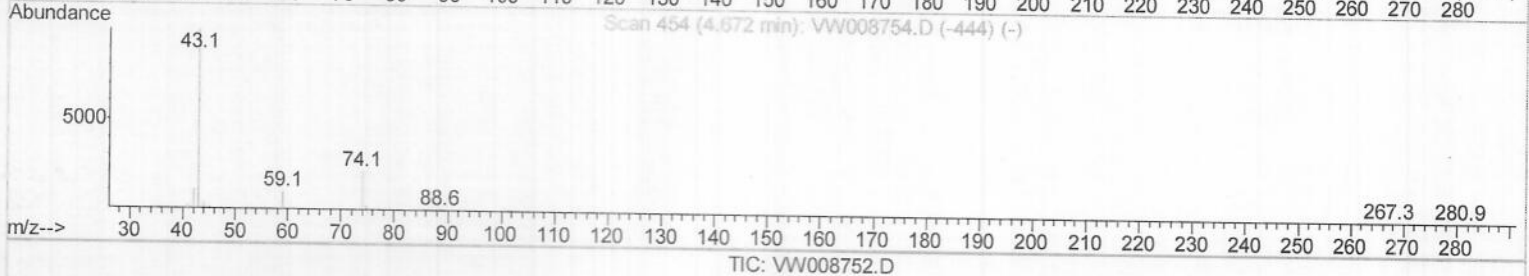
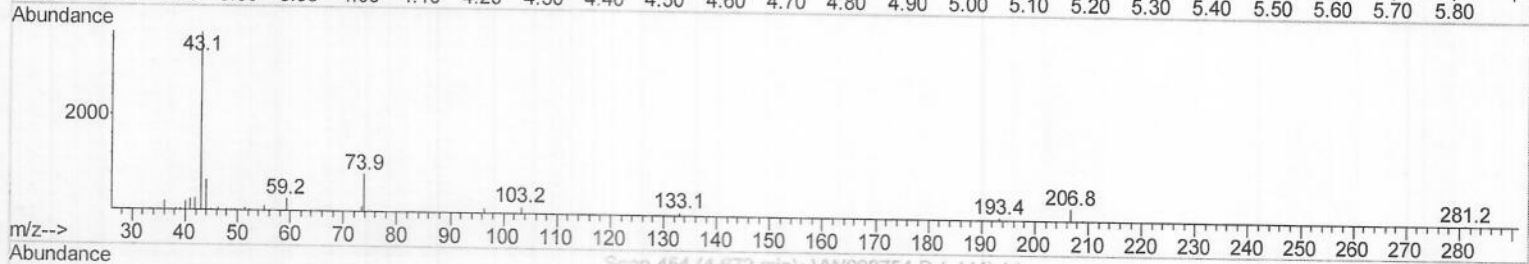
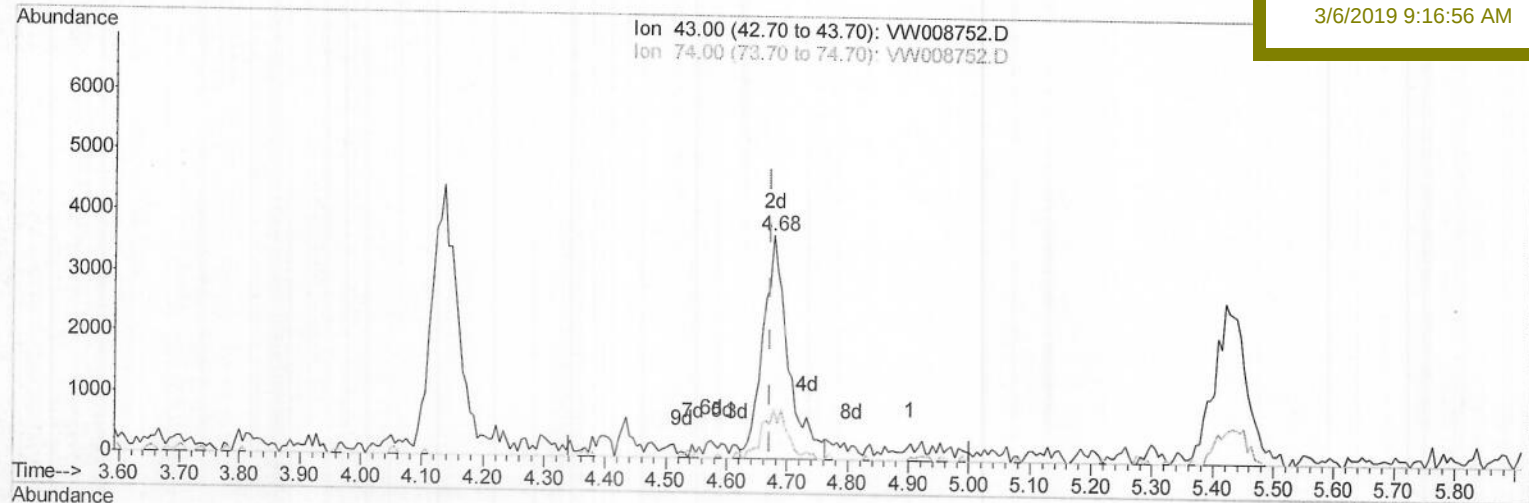
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Acq On : 20 Feb 2019 11:15  
Operator : SY/VA  
Sample : VSTD2.501  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

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Instrument :  
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Manual Integrations  
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TIC: VW008752.D

(15) Methyl Acetate (T)

4.678min (+0.006) 3.81ug/L m

response 10784

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 74.00 | 24.40 | 0.41# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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02/21/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022019\

Quantitation Report (Qedit)

Data File : VW008752.D

Acq On : 20 Feb 2019 11:15

Operator : SY/VA

Sample : VSTD2.501

Misc : 5.00G/10ML/MSVOA\_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 12:33:57 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 20 12:31:26 2019

Response via : Initial Calibration

Instrument :

MSVOA\_W

ClientSampleId :

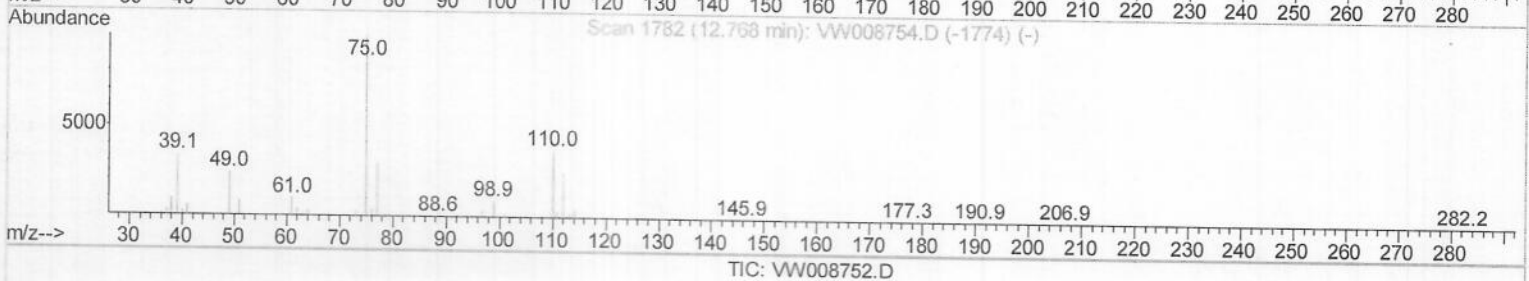
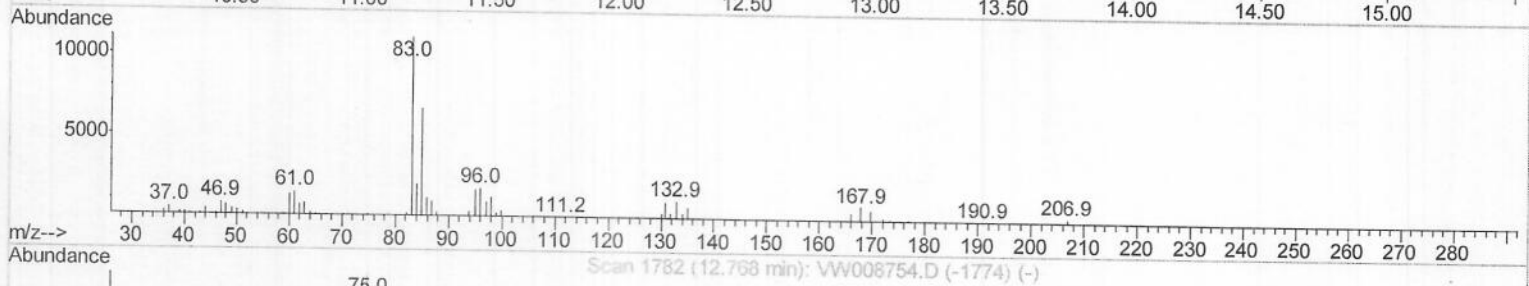
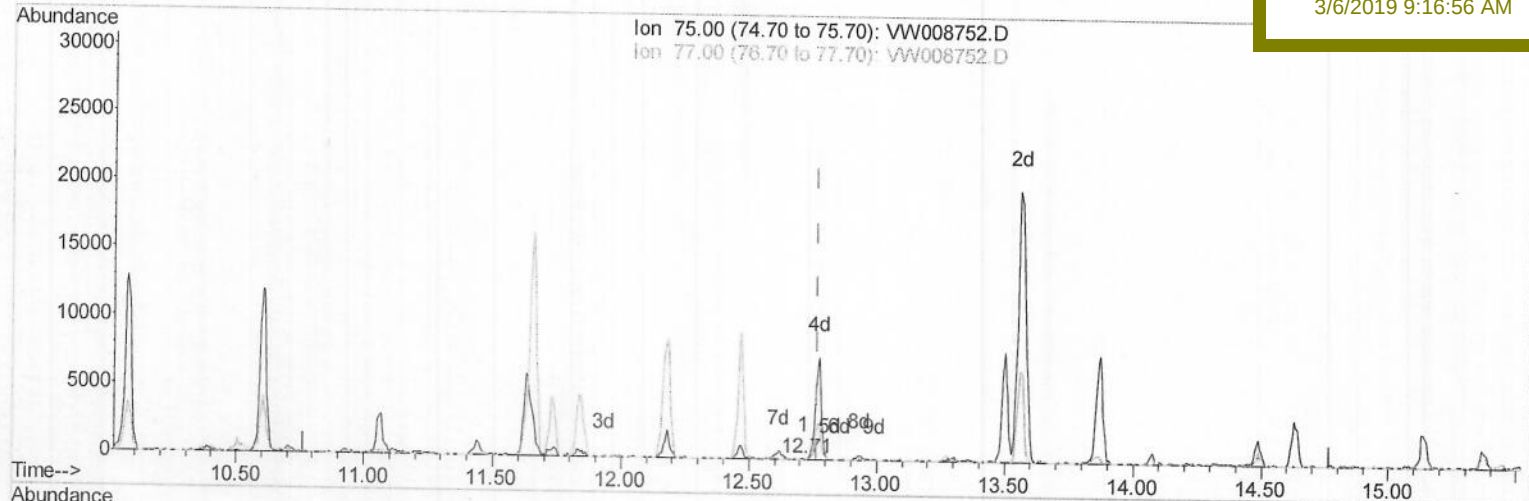
VSTD2.501

Manual Integrations

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(59) 1,2,3-Trichloropropane

12.713min (-0.055) 0.01ug/L

response 69

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 75.00 | 100   | 100   |
| 77.00 | 31.80 | 28.99 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

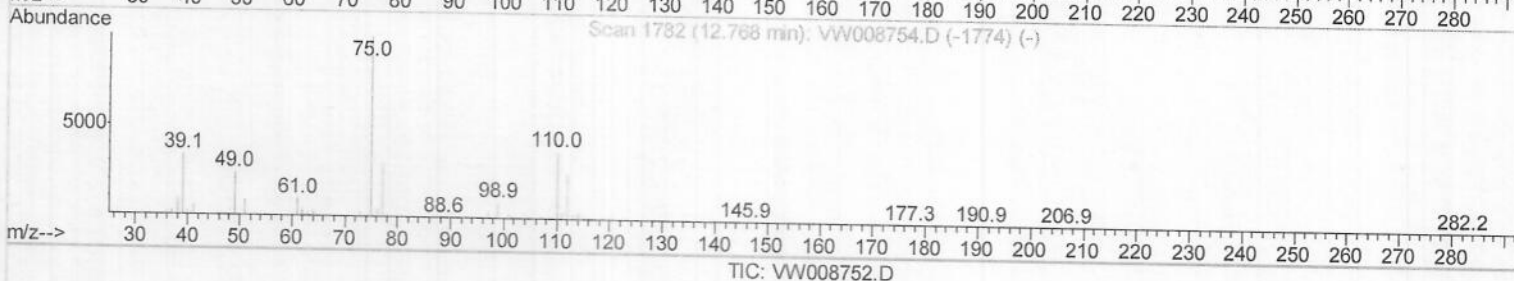
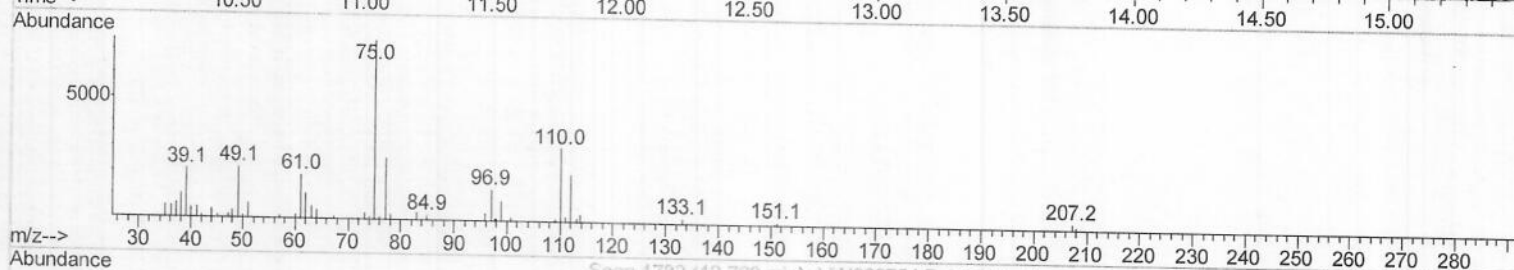
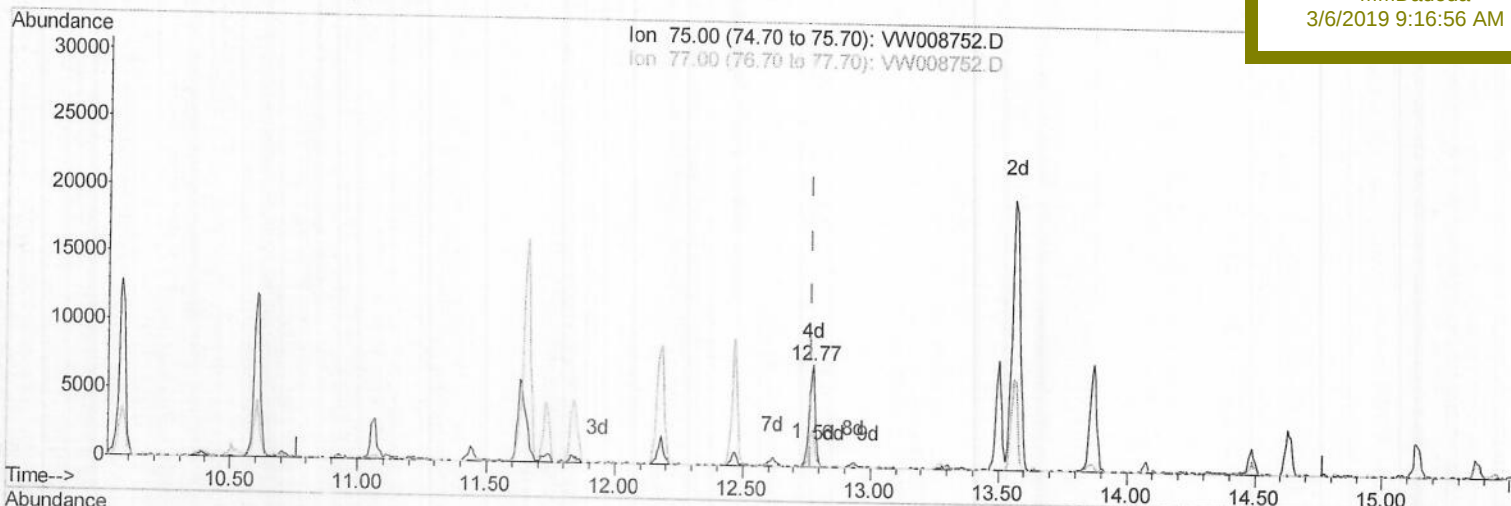
Data File : VW008752.D  
Acq On : 20 Feb 2019 11:15  
Operator : SY/VA  
Sample : VSTD2.501  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 12:33:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 20 12:31:26 2019  
Response via : Initial Calibration

Instrument :  
MSVOA\_W  
Client Sampled :  
VSTD2.501

Manual Integrations  
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3/6/2019 9:16:56 AM



(59) 1,2,3-Trichloropropane

12.774min (+0.006) 2.49ug/L m

response 12078

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 75.00 | 100   | 100   |
| 77.00 | 31.80 | 0.17# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

SY  
02/21/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\  
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Instrument :  
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Manual Integrations  
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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 452944   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 456647   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 245725   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 2.35  | 65  | 20352 | 4.56 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.88  | 69  | 17526 | 5.83 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.02  | 63  | 31580 | 2.61 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.09  | 46  | 9865  | 5.18 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 28891 | 2.40 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.30  | 65  | 17271 | 2.39 | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.27  | 84  | 54952 | 2.15 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.27  | 67  | 16413 | 2.36 | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.32 | 98  | 54551 | 2.19 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79  | 7966  | 1.99 | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.93 | 63  | 7907  | 4.44 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 16055 | 2.39 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.86 | 152 | 22439 | 2.26 | ug/L | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 2.00  | 85  | 22599  | 4.527 ug/L   | 99     |
| 3) Chloromethane               | 2.21  | 50  | 23173  | 5.890 ug/L   | 97     |
| 5) Vinyl chloride              | 2.35  | 62  | 22801  | 4.659 ug/L   | 88     |
| 6) Bromomethane                | 2.77  | 94  | 14740  | 5.077 ug/L   | 97     |
| 8) Chloroethane                | 2.92  | 64  | 15340m | 6.309 ug/L   |        |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 28195  | 6.672 ug/L   | 99     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 16176  | 2.829 ug/L # | 90     |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 14565  | 2.782 ug/L   | 89     |
| 13) Acetone                    | 4.14  | 43  | 12007  | 6.456 ug/L   | 88     |
| 14) Carbon disulfide           | 4.38  | 76  | 44985  | 2.713 ug/L # | 94     |
| 15) Methyl Acetate             | 4.68  | 43  | 10784m | 3.810 ug/L   |        |
| 16) Methylene chloride         | 4.92  | 84  | 22889  | 3.123 ug/L   | 97     |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 39839  | 4.281 ug/L   | 96     |
| 18) trans-1,2-Dichloroethene   | 5.42  | 96  | 15161  | 2.669 ug/L   | 93     |
| 19) 1,1-Dichloroethane         | 6.22  | 63  | 26690  | 2.825 ug/L   | 91     |
| 21) 2-Butanone                 | 7.18  | 43  | 14984  | 7.080 ug/L   | 84     |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 16666  | 2.738 ug/L   | 95     |
| 23) Bromochloromethane         | 7.51  | 128 | 7739   | 2.824 ug/L   | 97     |
| 25) Chloroform                 | 7.68  | 83  | 28221  | 2.652 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 21061  | 2.698 ug/L   | 97     |
| 30) Cyclohexane                | 7.96  | 56  | 25785  | 2.567 ug/L   | 97     |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97  | 26511  | 2.421 ug/L   | 97     |
| 32) Carbon tetrachloride       | 8.07  | 117 | 23865  | 2.270 ug/L   | 100    |
| 34) Benzene                    | 8.32  | 78  | 60674  | 2.483 ug/L   | 100    |
| 35) Trichloroethene            | 9.09  | 95  | 16846  | 2.373 ug/L   | 96     |
| 36) Methylcyclohexane          | 9.34  | 83  | 28498  | 2.341 ug/L   | 98     |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 14880  | 2.591 ug/L   | 100    |
| 41) Bromodichloromethane       | 9.64  | 83  | 20337  | 2.407 ug/L   | 97     |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75  | 23408  | 2.335 ug/L   | 97     |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 25681  | 5.649 ug/L   | 98     |

SY  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 44) Toluene                    | 10.39 | 91   | 68834    | 2.518 | uq/L   | 97       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 21078    | 2.281 | uq/L   | 92       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 12615    | 2.596 | uq/L   | 95       |
| 47) Tetrachloroethene          | 10.86 | 164  | 14752    | 2.615 | uq/L   | 92       |
| 49) 2-Hexanone                 | 10.97 | 43   | 19014    | 5.797 | uq/L   | 98       |
| 50) Dibromochloromethane       | 11.13 | 129  | 14324    | 2.314 | uq/L   | 98       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 12713    | 2.563 | uq/L # | 87       |
| 52) Chlorobenzene              | 11.66 | 112  | 48533    | 2.727 | uq/L   | 99       |
| 53) Ethylbenzene               | 11.73 | 91   | 79693    | 2.537 | uq/L   | 99       |
| 54) m,p-Xylene                 | 11.84 | 106  | 31492    | 2.661 | uq/L   | 99       |
| 55) o-xylene                   | 12.16 | 106  | 30227    | 2.693 | uq/L   | 92       |
| 56) Styrene                    | 12.18 | 104  | 48097    | 2.528 | uq/L   | 97       |
| 57) Isopropylbenzene           | 12.47 | 105  | 79274    | 2.493 | uq/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 16681    | 2.768 | uq/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 12078m   | 2.492 | uq/L   | 97       |
| 62) Bromoform                  | 12.35 | 173  | 8586     | 2.216 | uq/L # | 99       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 41209    | 2.623 | uq/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 42528    | 2.722 | uq/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 37695    | 2.643 | uq/L   | 94       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 3334     | 2.371 | uq/L   | 96       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 31936    | 2.776 | uq/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 15.14 | 180  | 27260    | 2.760 | uq/L   | 99       |
| 69) Naphthalene                | 15.37 | 128  | 52156    | 2.333 | uq/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 25635    | 2.932 | uq/L   | 97       |

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

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