

# Quantitation Report (Qedit)

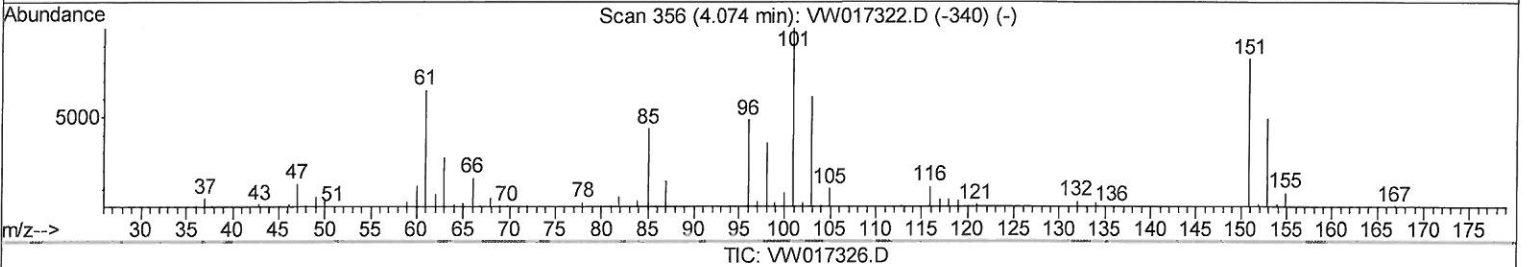
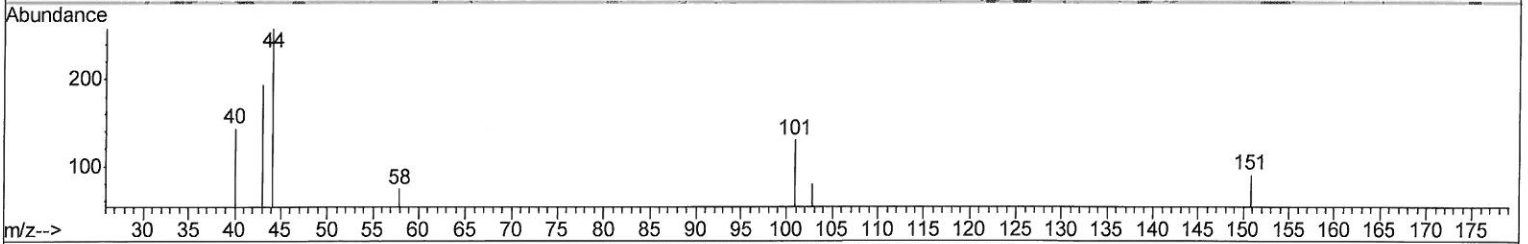
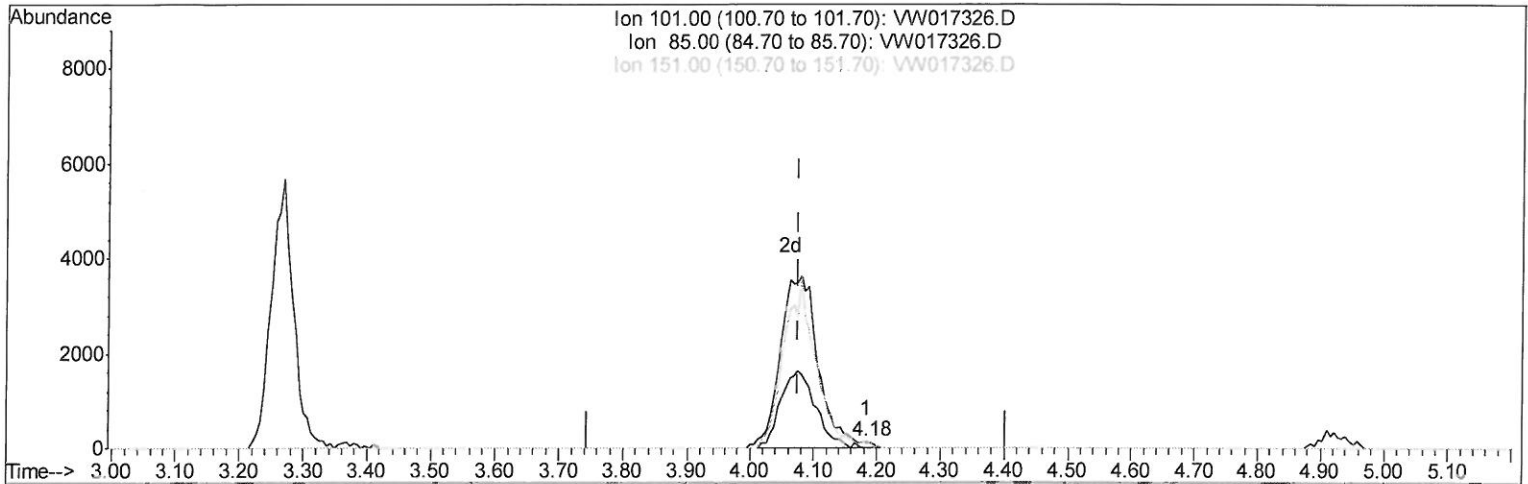
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\  
 Data File : VW017326.D  
 Acq On : 18 Nov 2020 14:10  
 Operator : SY/VA  
 Sample : VSTD2.505  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.505

Manual Integrations  
 APPROVED

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 11/20/2020 12:26:15 PM

Quant Time: Nov 18 14:44:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 13:27:13 2020  
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TIC: VW017326.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.184min (+0.109) 0.03ug/L

response 154

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 85.00  | 43.20 | 37.01 |
| 151.00 | 82.90 | 84.42 |
| 0.00   | 0.00  | 0.00  |

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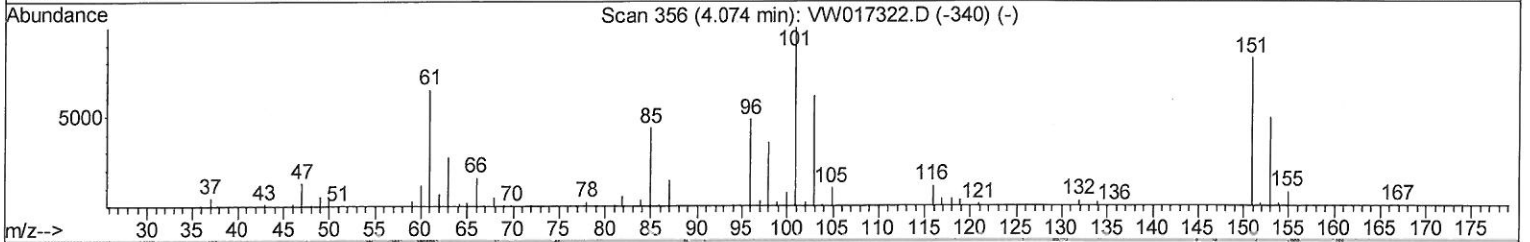
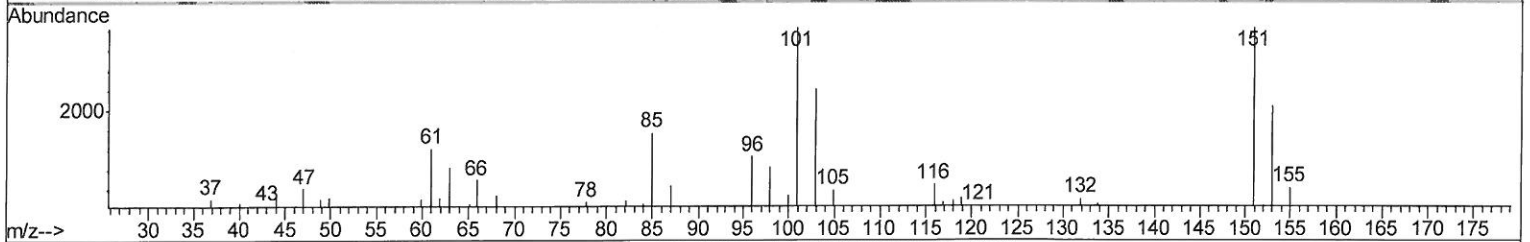
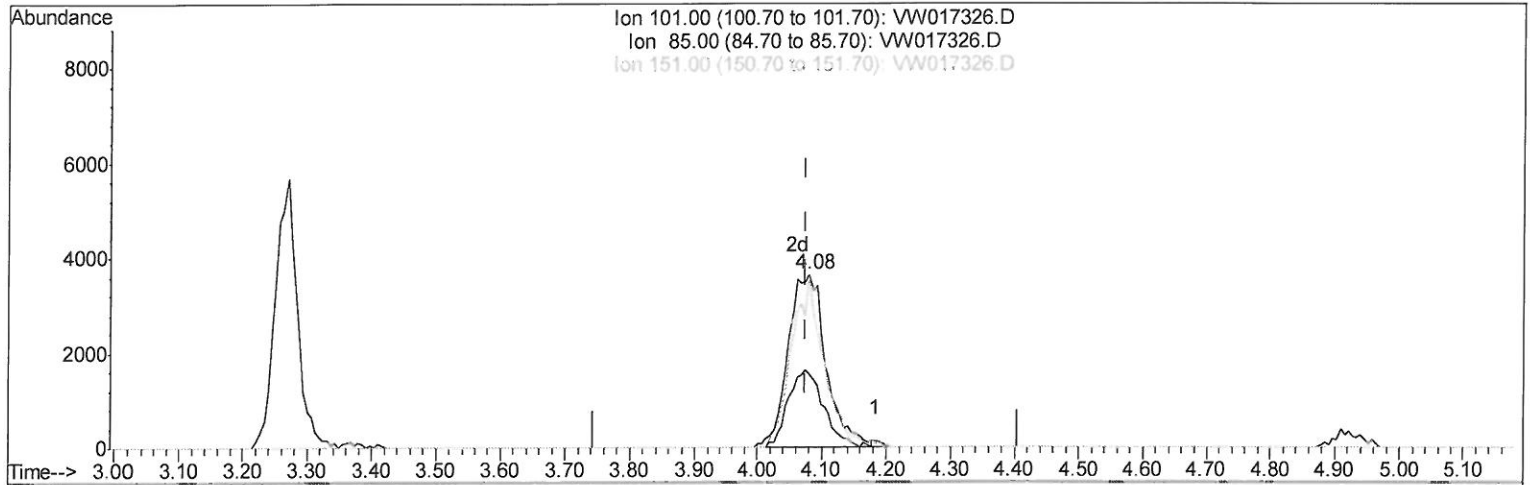
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TIC: VW017326.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.080min (+0.006) 2.47ug/L m 11/25/2024

response 14880

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 85.00  | 43.20 | 0.38# |
| 151.00 | 82.90 | 0.87# |
| 0.00   | 0.00  | 0.00  |

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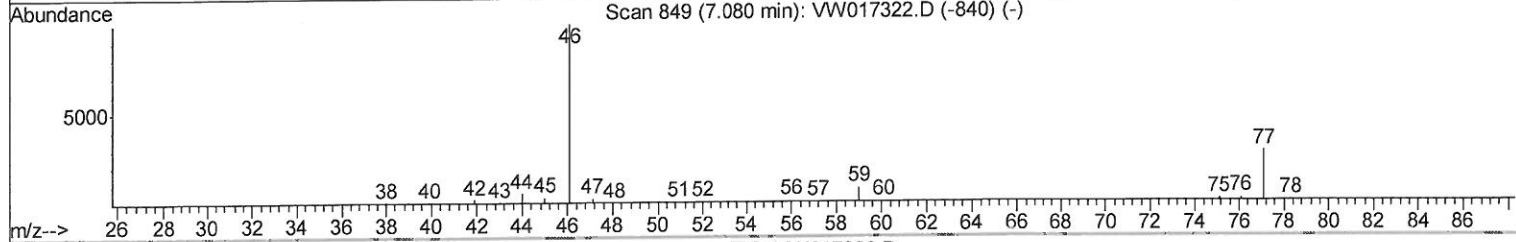
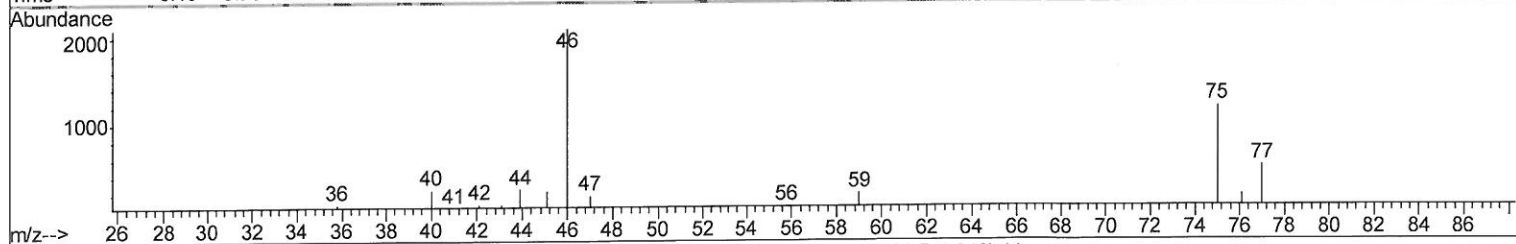
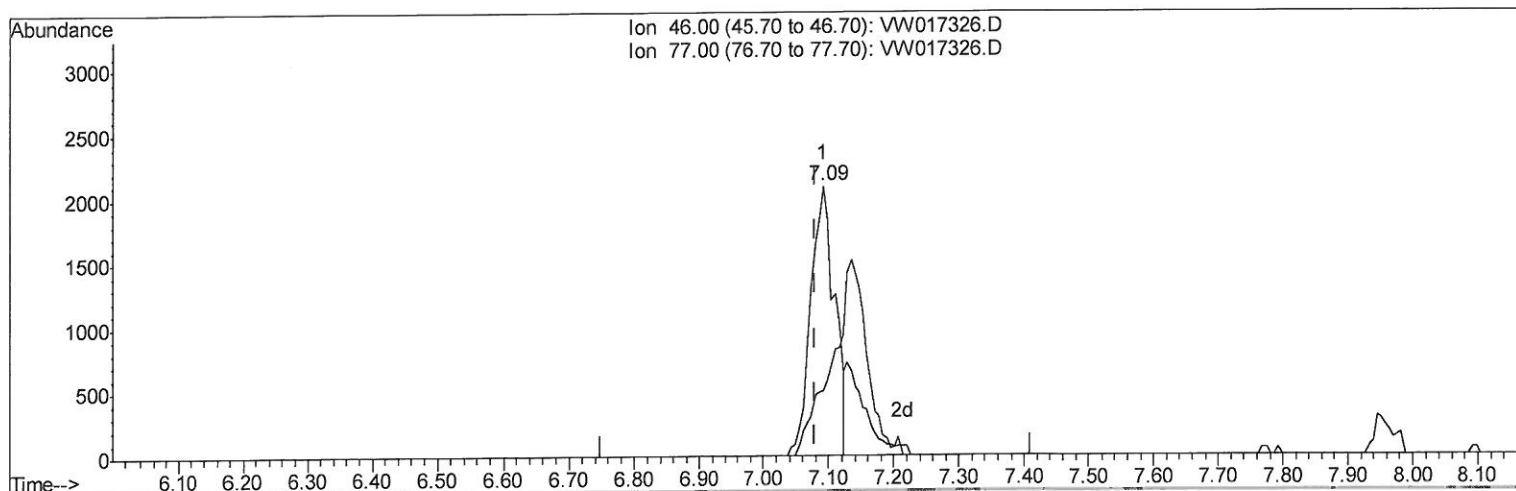
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TIC: VW017326.D

(20) 2-Butanone-d5 (S)  
 7.092min (+0.012) 5.45ug/L  
 response 5302

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 46.00 | 100   | 100    |
| 77.00 | 29.10 | 82.67# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

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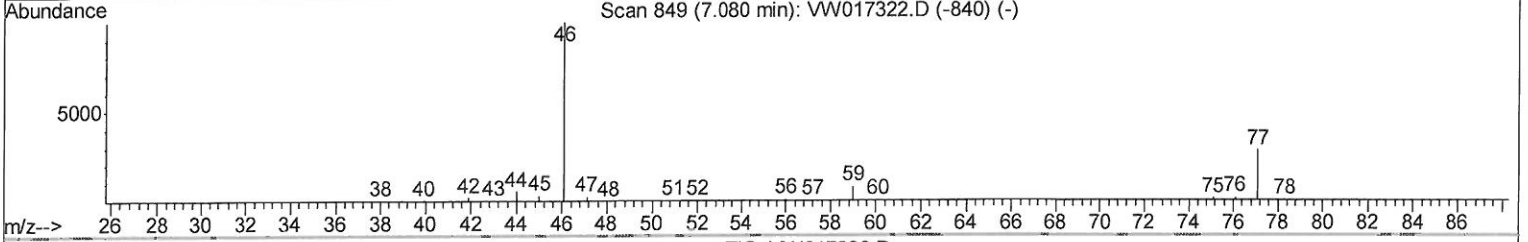
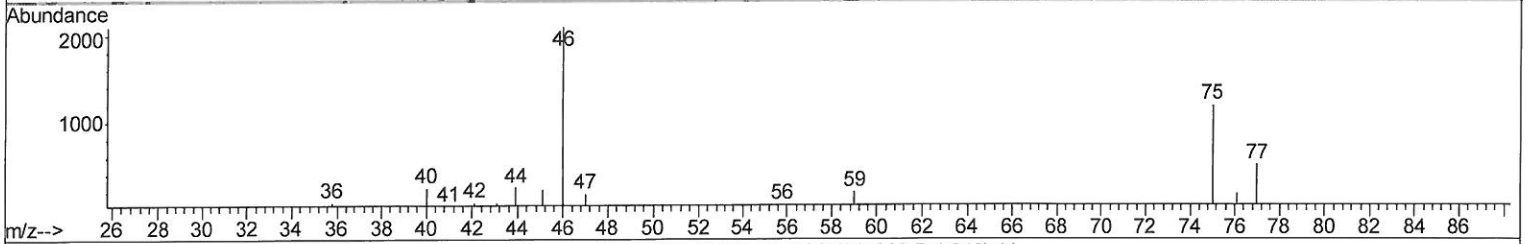
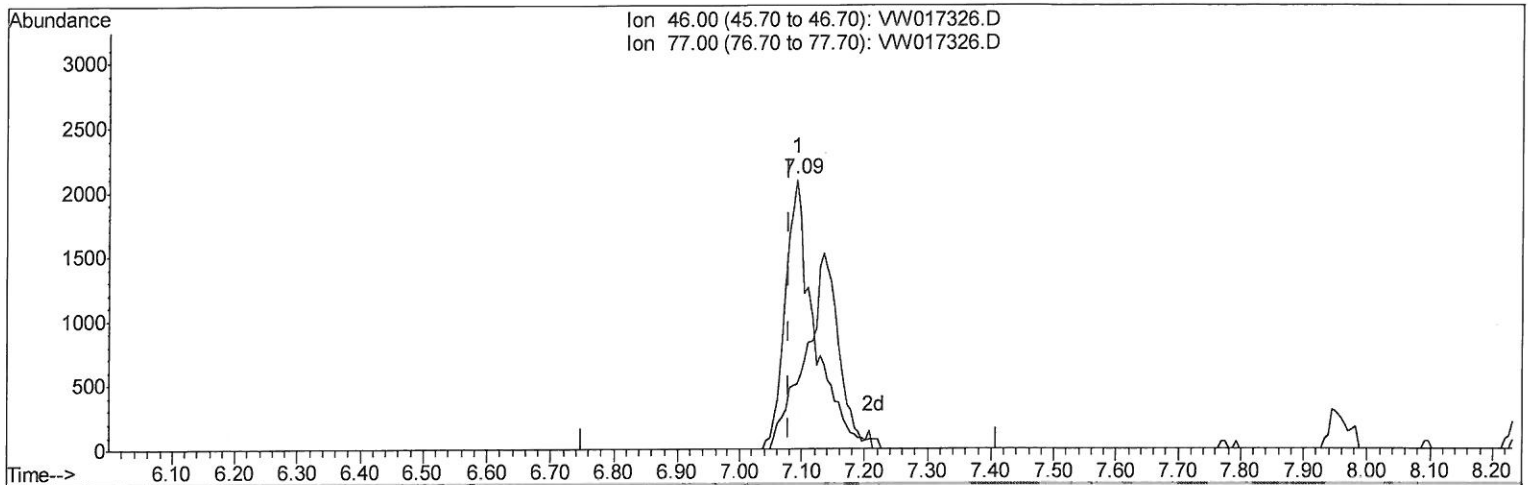
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(20) 2-Butanone-d5 (S)

7.092min (+0.012) 7.05ug/L m

11/25/20 sy

response 6854

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 46.00 | 100   | 100    |
| 77.00 | 29.10 | 63.95# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

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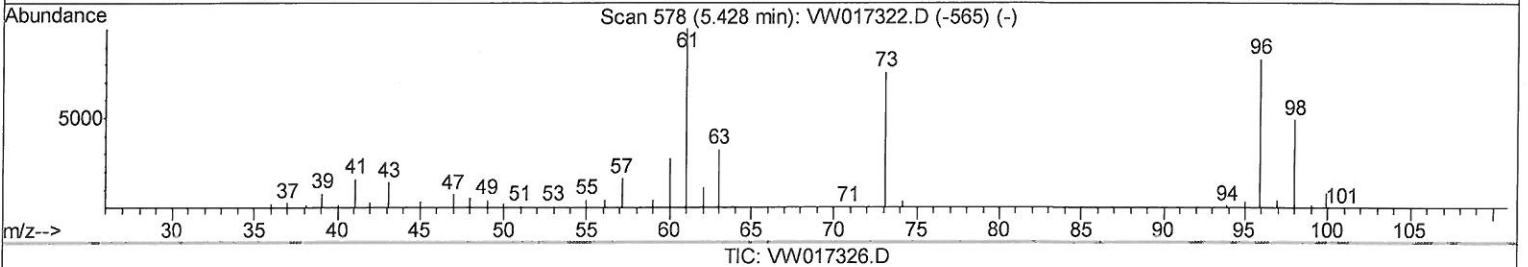
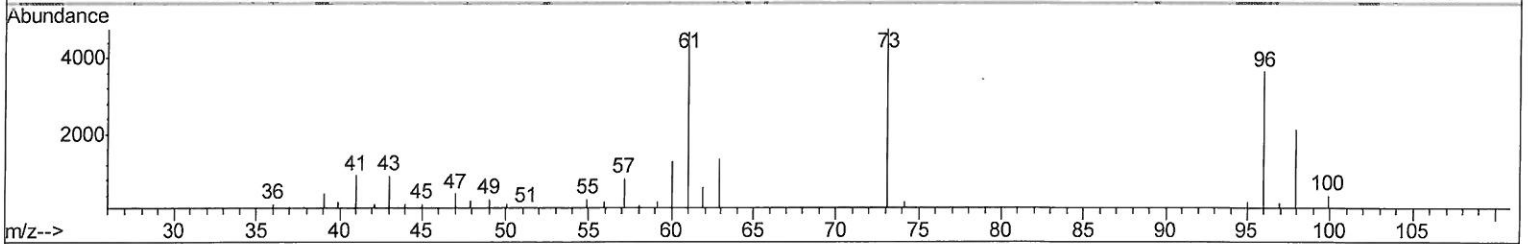
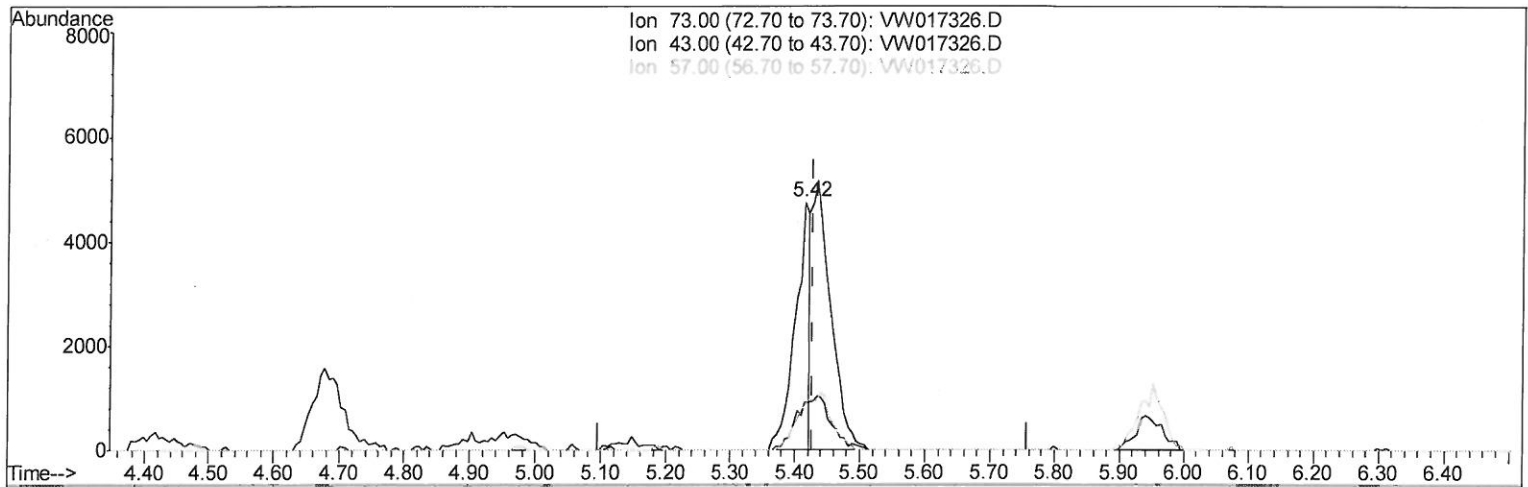
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(17) Methyl tert-butyl Ether (T)

5.415min (-0.013) 1.18ug/L

response 7549

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 73.00 | 100   | 100   |
| 43.00 | 19.60 | 0.56# |
| 57.00 | 20.40 | 24.08 |
| 0.00  | 0.00  | 0.00  |

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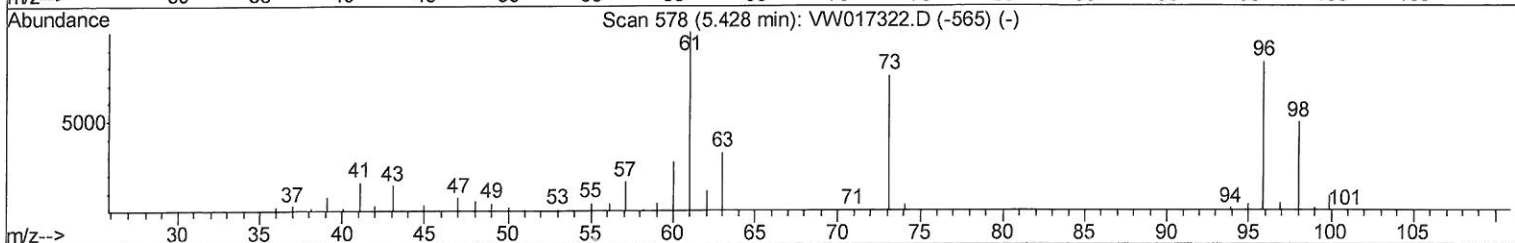
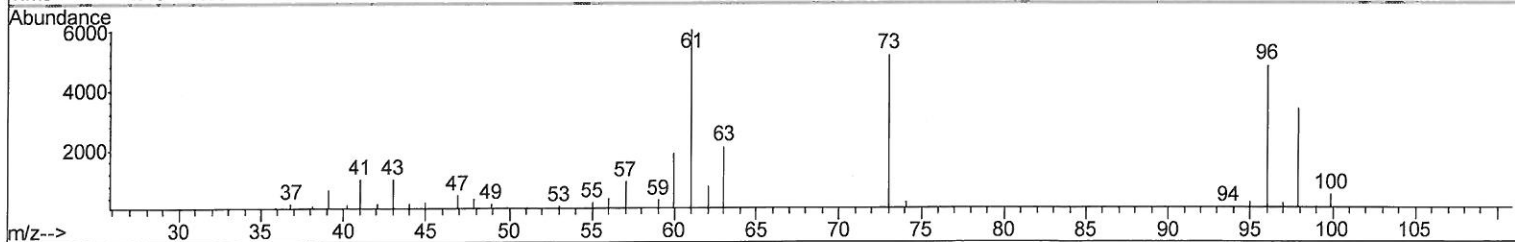
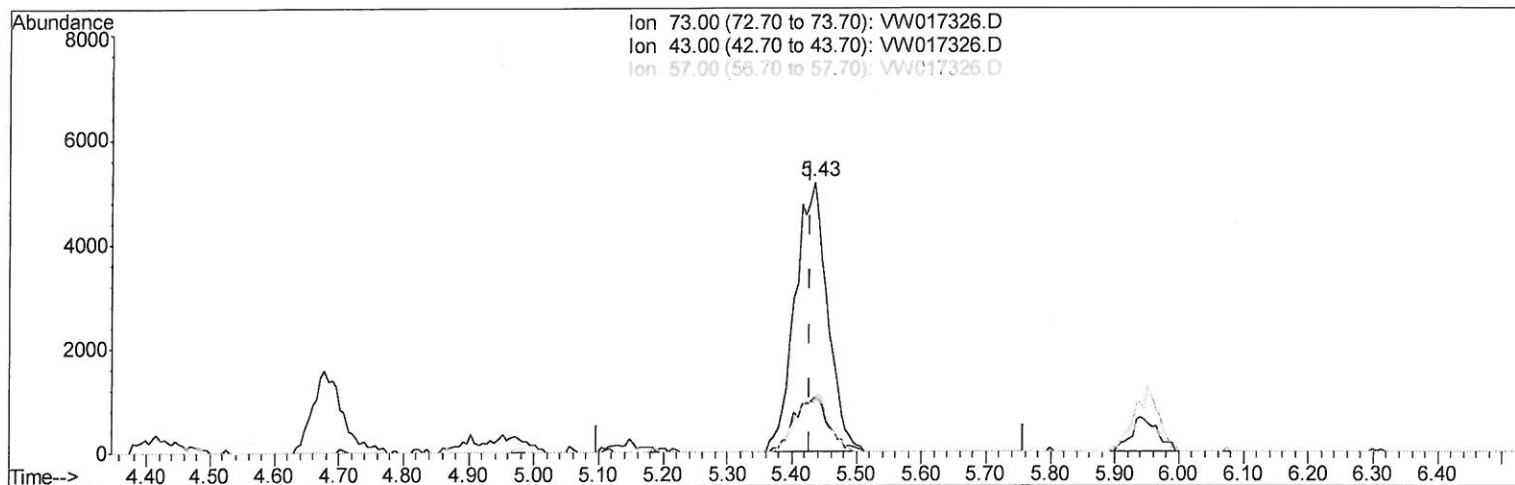
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TIC: VW017326.D

(17) Methyl tert-butyl Ether (T)

5.433min (+0.006) 2.79ug/L m

response 17907

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 73.00 | 100   | 100    |
| 43.00 | 19.60 | 0.23#  |
| 57.00 | 20.40 | 10.15# |
| 0.00  | 0.00  | 0.00   |

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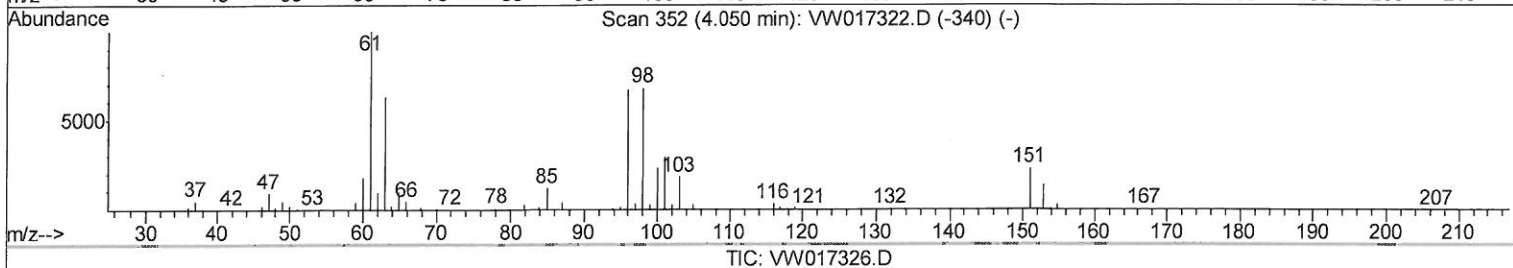
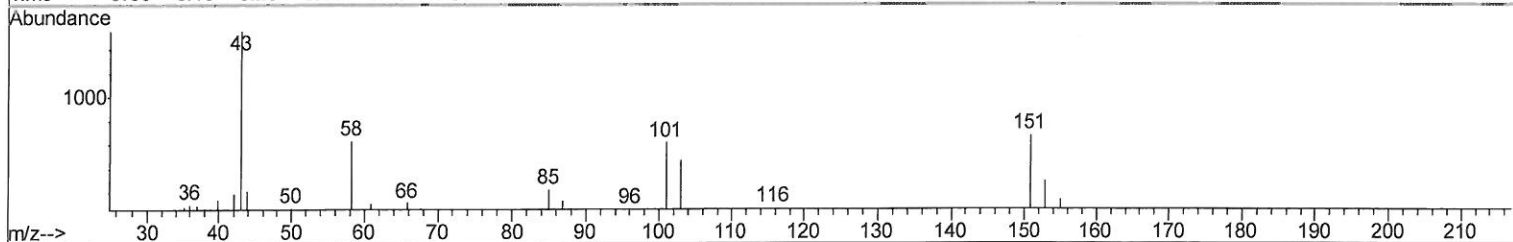
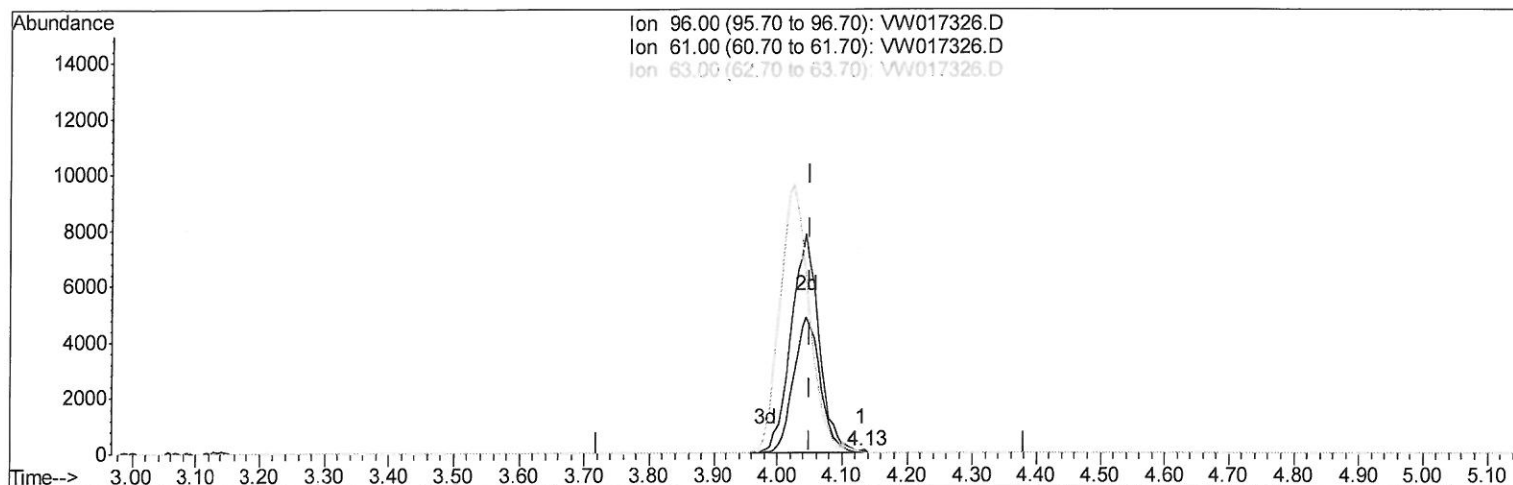
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(12) 1,1-Dichloroethene (T)

4.129min (+0.079) 0.01ug/L

response 44

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 149.50 | 179.03 |
| 63.00 | 99.40  | 93.55  |
| 0.00  | 0.00   | 0.00   |

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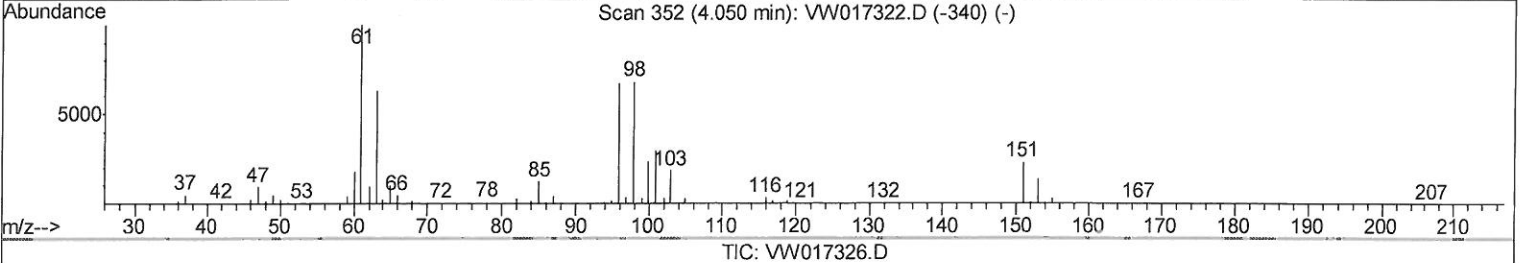
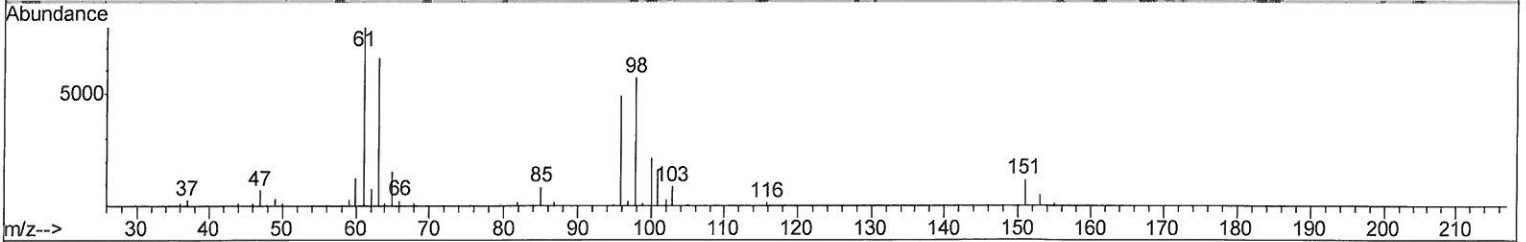
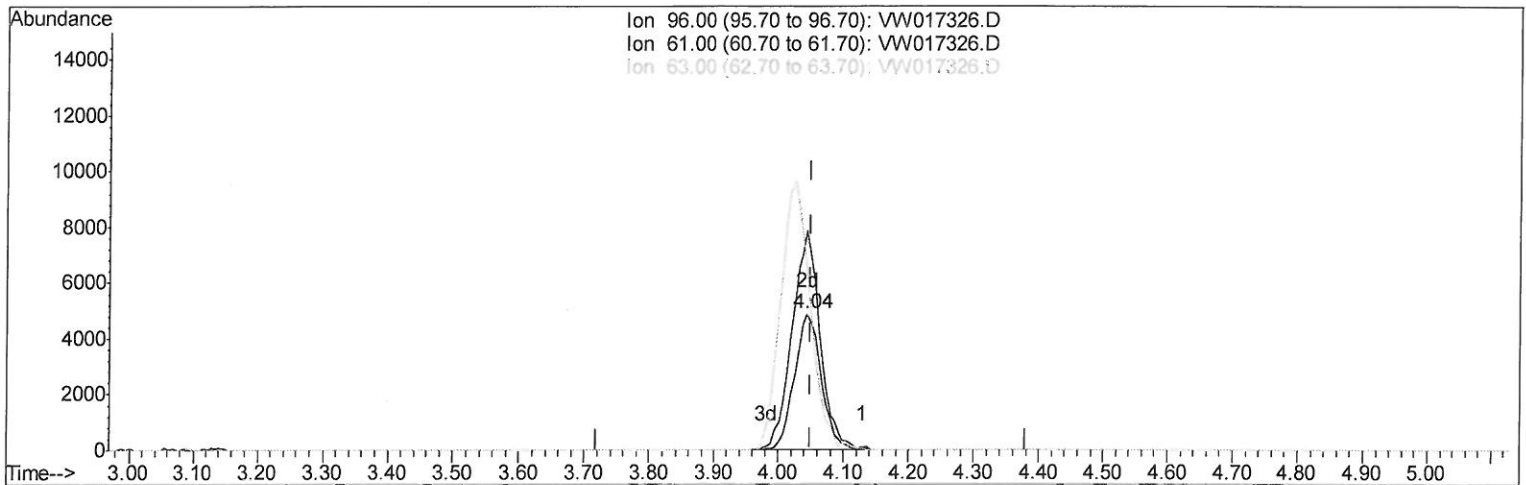
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(12) 1,1-Dichloroethene (T)

4.043min (-0.006) 2.43ug/L m

21/25/2024

response 13932

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100    | 100     |
| 61.00 | 149.50 | 161.26  |
| 63.00 | 99.40  | 133.38# |
| 0.00  | 0.00   | 0.00    |

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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 436363   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 401750   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 205673   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 2.35  | 65  | 18539 | 2.86 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.89  | 69  | 14202 | 2.75 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.03  | 63  | 30157 | 2.68 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.09  | 46  | 6854m | 7.05 | ug/L | 0.01 |
| 24) Chloroform-d               | 7.65  | 84  | 30499 | 2.71 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.30  | 65  | 15385 | 2.92 | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.28  | 84  | 60058 | 2.67 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.27  | 67  | 15705 | 2.64 | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.33 | 98  | 55206 | 2.63 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79  | 6678  | 2.62 | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.93 | 63  | 4306  | 5.88 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 12946 | 3.06 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.85 | 152 | 21199 | 2.88 | ug/L | 0.00 |

11/25/2024

## Target Compounds

|                                |       |     |        |            | Qvalue |
|--------------------------------|-------|-----|--------|------------|--------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 9759   | 2.451 ug/L | 97     |
| 3) Chloromethane               | 2.21  | 50  | 11591  | 2.589 ug/L | 100    |
| 5) Vinyl chloride              | 2.37  | 62  | 16064  | 2.449 ug/L | 96     |
| 6) Bromomethane                | 2.78  | 94  | 12027  | 2.450 ug/L | 100    |
| 8) Chloroethane                | 2.93  | 64  | 10087  | 2.515 ug/L | 91     |
| 9) Trichlorofluoromethane      | 3.27  | 101 | 13647  | 2.333 ug/L | 97     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.08  | 101 | 14880m | 2.470 ug/L |        |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 13932m | 2.427 ug/L |        |
| 13) Acetone                    | 4.13  | 43  | 5124   | 7.447 ug/L | 82     |
| 14) Carbon disulfide           | 4.39  | 76  | 40178  | 2.373 ug/L | 97     |
| 15) Methyl Acetate             | 4.68  | 43  | 4931   | 3.230 ug/L | 96     |
| 16) Methylene chloride         | 4.92  | 84  | 26722  | 3.195 ug/L | 95     |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 17907m | 2.788 ug/L |        |
| 18) trans-1,2-Dichloroethene   | 5.43  | 96  | 15143  | 2.488 ug/L | 95     |
| 19) 1,1-Dichloroethane         | 6.23  | 63  | 23168  | 2.488 ug/L | 99     |
| 21) 2-Butanone                 | 7.18  | 43  | 8084   | 7.427 ug/L | 84     |
| 22) cis-1,2-Dichloroethene     | 7.18  | 96  | 15474  | 2.516 ug/L | 99     |
| 23) Bromochloromethane         | 7.52  | 128 | 7652   | 2.713 ug/L | 85     |
| 25) Chloroform                 | 7.68  | 83  | 26823  | 2.588 ug/L | 99     |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 16107  | 2.759 ug/L | 99     |
| 30) Cyclohexane                | 7.96  | 56  | 18540  | 2.292 ug/L | 99     |
| 31) 1,1,1-Trichloroethane      | 7.88  | 97  | 23036  | 2.450 ug/L | 98     |
| 32) Carbon tetrachloride       | 8.07  | 117 | 21899  | 2.432 ug/L | 98     |
| 34) Benzene                    | 8.33  | 78  | 56366  | 2.490 ug/L | 100    |
| 35) Trichloroethene            | 9.10  | 95  | 16049  | 2.486 ug/L | 100    |
| 36) Methylcyclohexane          | 9.34  | 83  | 23651  | 2.286 ug/L | 95     |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 13149  | 2.611 ug/L | 99     |
| 41) Bromodichloromethane       | 9.65  | 83  | 17732  | 2.486 ug/L | 99     |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75  | 17816  | 2.289 ug/L | 95     |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 16412  | 7.675 ug/L | 98     |

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|--------------------------------|-------|------|----------|-------|--------|----------|
| 44) Toluene                    | 10.39 | 91   | 60902    | 2.424 | ug/L   | 97       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 15316    | 2.335 | ug/L   | 88       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 11060    | 2.864 | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.87 | 164  | 14563    | 2.516 | ug/L   | 95       |
| 49) 2-Hexanone                 | 10.98 | 43   | 7976     | 5.710 | ug/L   | 94       |
| 50) Dibromochloromethane       | 11.13 | 129  | 12865    | 2.599 | ug/L   | 99       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 10774    | 2.905 | ug/L   | 99       |
| 52) Chlorobenzene              | 11.66 | 112  | 42209    | 2.534 | ug/L   | 97       |
| 53) Ethylbenzene               | 11.73 | 91   | 66754    | 2.371 | ug/L   | 98       |
| 54) m,p-Xylene                 | 11.84 | 106  | 25676    | 2.359 | ug/L   | 91       |
| 55) o-xylene                   | 12.16 | 106  | 24023    | 2.339 | ug/L   | 95       |
| 56) Styrene                    | 12.18 | 104  | 38648    | 2.291 | ug/L   | 99       |
| 57) Isopropylbenzene           | 12.46 | 105  | 65058    | 2.297 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 12127    | 2.956 | ug/L   | 94       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 8915     | 3.054 | ug/L   | 92       |
| 62) Bromoform                  | 12.35 | 173  | 7238     | 2.675 | ug/L # | 95       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 33983    | 2.581 | ug/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 33944    | 2.619 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 29494    | 2.585 | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 1837     | 3.076 | ug/L   | 93       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 23184    | 2.406 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 17260    | 2.362 | ug/L   | 98       |
| 69) Naphthalene                | 15.37 | 128  | 23126    | 2.335 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 16256    | 2.610 | ug/L   | 94       |

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

(QT Reviewed)

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTD2.505

MMDadoda  
11/20/2020 12:26:15 PM

Quant Time: Nov 18 14:45:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 18 13:27:13 2020  
Response via : Initial Calibration

