

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
 Data File : VV022393.D  
 Acq On : 29 Sep 2021 21:20  
 Operator : SY/MD  
 Sample : M3978-13  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4A40

Manual Integrations  
 APPROVED

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 9/30/2021 1:54:58 PM

Quant Time: Sep 30 05:31:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 30 05:14:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 244521     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 241387     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 104682     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 80452      | 38.769   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 77.540%  |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 69461      | 42.320   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.640%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 109666m    | 30.396   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 60.800%  |        |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 149881     | 102.343  | ug/L   | 0.03     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 102.340% |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 166986     | 44.564   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.120%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 104155     | 45.327   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.660%  |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 341839     | 45.015   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.040%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 117263     | 48.268   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.540%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 308868     | 44.438   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.880%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 47718      | 43.014   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.020%  |        |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 105898     | 107.276  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 107.280% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 162474     | 46.072   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.140%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 124940     | 53.674   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.340% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 13) Acetone                   | 2.188          | 43   | 4773m      | 4.153    | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 2.770          | 73   | 10177      | 1.845    | ug/L   | 97       |
| 34) Trichloroethene           | 5.918          | 95   | 11555      | 6.099    | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.976          | 164  | 488366     | 313.089  | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

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

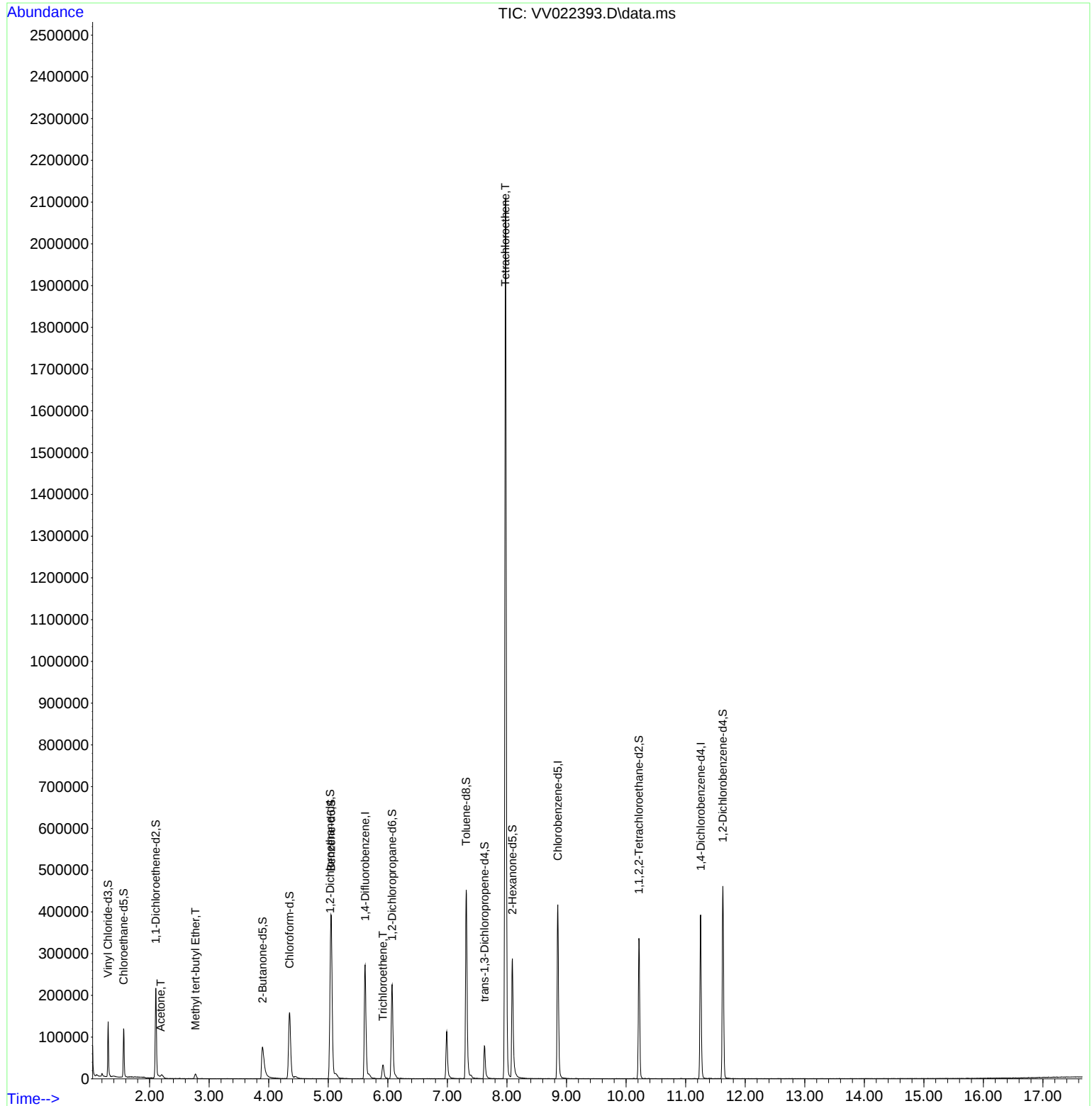
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
Data File : VV022393.D  
Acq On : 29 Sep 2021 21:20  
Operator : SY/MD  
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Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 24 Sample Multiplier: 1

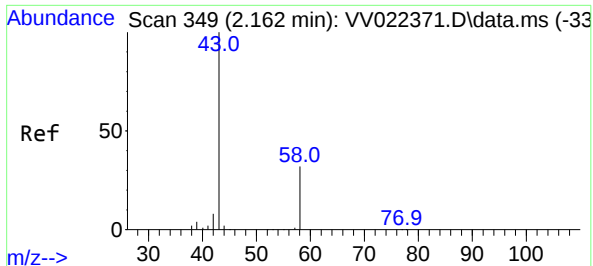
Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 30 05:14:53 2021  
Response via : Initial Calibration





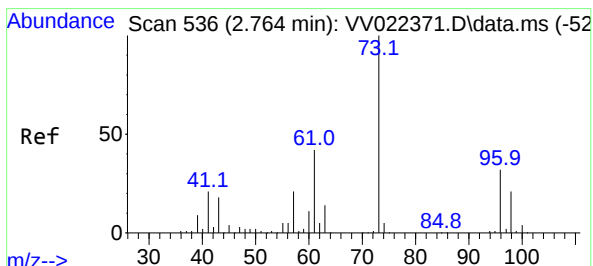
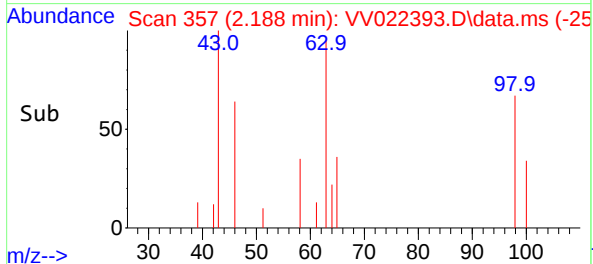
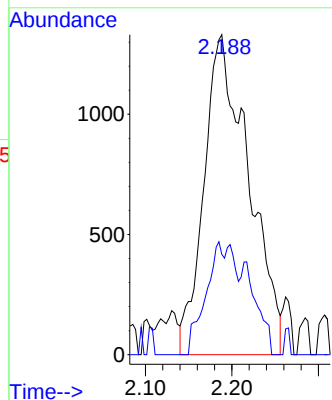
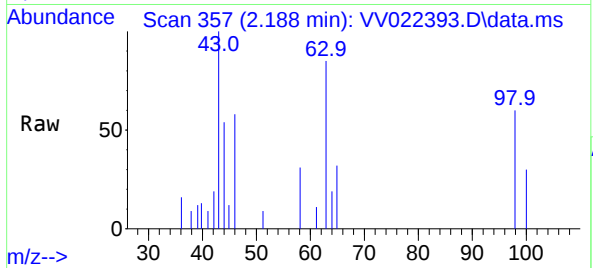
#13  
Acetone  
Concen: 4.153 ug/L m  
RT: 2.188 min Scan# 357  
Delta R.T. 0.026 min  
Lab File: VV022393.D  
Acq: 29 Sep 2021 21:20

Tgt Ion: 43 Resp: 4773  
Ion Ratio Lower Upper  
43 100  
58 7.7 0.0 67.2

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A40

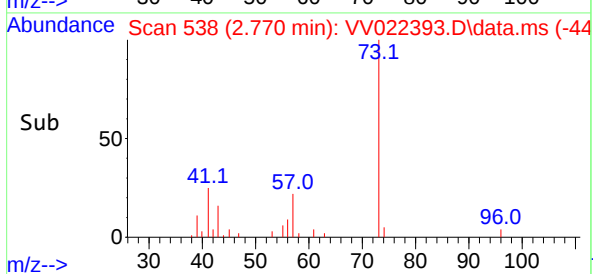
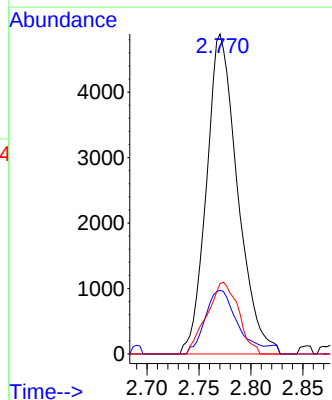
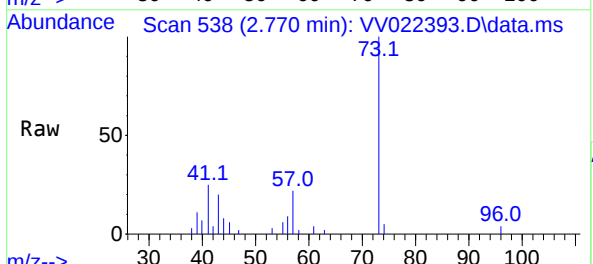
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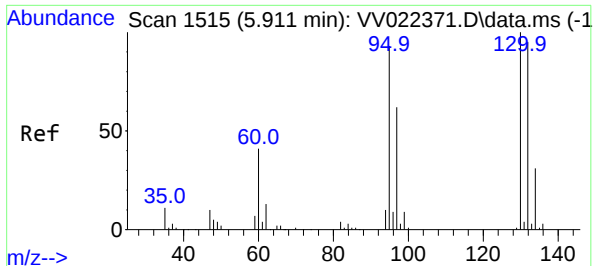
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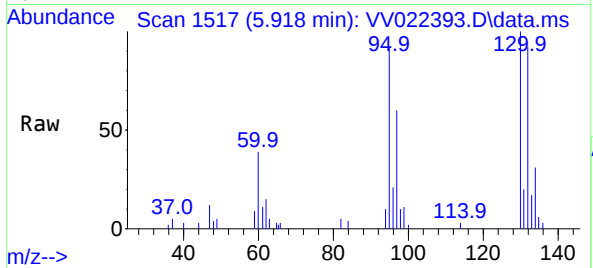
#18  
Methyl tert-butyl Ether  
Concen: 1.845 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.007 min  
Lab File: VV022393.D  
Acq: 29 Sep 2021 21:20

Tgt Ion: 73 Resp: 10177  
Ion Ratio Lower Upper  
73 100  
43 20.4 14.6 21.8  
57 22.7 17.6 26.4

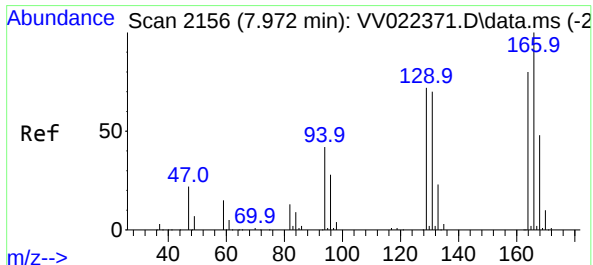
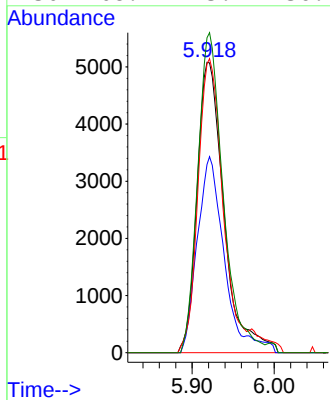
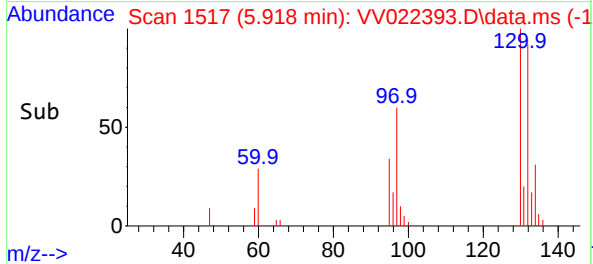




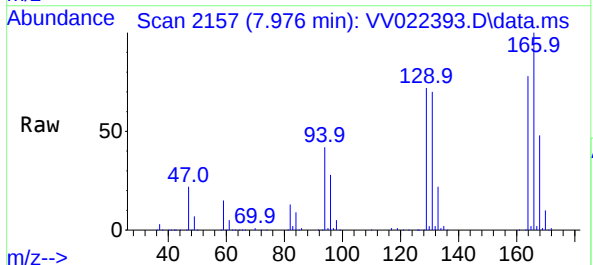
#34  
Trichloroethene  
Concen: 6.099 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.007 min  
Lab File: VV022393.D  
Acq: 29 Sep 2021 21:20



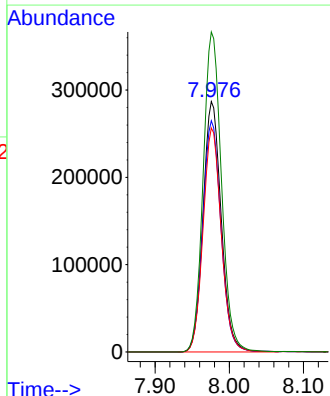
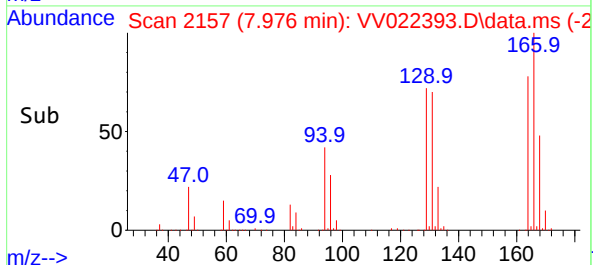
Tgt Ion: 95 Resp: 11555  
Ion Ratio Lower Upper  
95 100  
97 64.8 45.2 84.0  
132 99.4 71.0 131.8  
130 108.4 73.7 136.9



#46  
Tetrachloroethene  
Concen: 313.089 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV022393.D  
Acq: 29 Sep 2021 21:20



Tgt Ion: 164 Resp: 488366  
Ion Ratio Lower Upper  
164 100  
129 92.4 66.4 123.4  
131 89.5 63.6 118.0  
166 127.8 91.6 170.0



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