Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062124\
Data File : VV036228.D
Acq On : 22 Jun 2024 00:32
Operator : SY/MD
Sample : P2987-20
Misc : 5.53g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0TA8

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 22 03:02:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.529 | 114 | 548296 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.783 | 117 | 543294 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.185 | 152 | 180849 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.272 | 65 | 152656 | 15.144 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 60.560% | | | |
| 7) Chloroethane-d5 | 1.526 | 69 | 135039 | 16.801 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 67.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.050 | 65 | 65733 | 14.648 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 58.600% | | | |
| 21) 2-Butanone-d5 | 3.838 | 46 | 67375m | 29.131 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 58.260% | | | |
| 24) Chloroform-d | 4.243 | 84 | 293226 | 16.822 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 67.280% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.937 | 65 | 172949 | 18.923 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 75.680% | | | |
| 32) Benzene-d6 | 4.953 | 84 | 565989 | 17.526 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 70.120% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.985 | 67 | 185739 | 18.263 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 73.040% | | | |
| 41) Toluene-d8 | 7.239 | 98 | 463452 | 16.265 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 65.040% | | | |
| 43) trans-1,3-Dichloroprop... | 7.554 | 79 | 65755 | 15.769 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 63.080% | | | |
| 47) 2-Hexanone-d5 | 8.030 | 63 | 38029 | 27.600 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 55.200% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84 | 136129 | 17.913 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 71.640% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.557 | 152 | 121200 | 18.275 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 73.120%# | | | |
| Target Compounds | | | | | | Qvalue |
| 13) Acetone | 2.153 | 43 | 28116m | 7.804 | ug/L | |
| 14) Carbon disulfide | 2.233 | 76 | 258218 | 8.469 | ug/L | 98 |
| 16) Methylene chloride | 2.442 | 84 | 36056 | 2.906 | ug/L | 97 |

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

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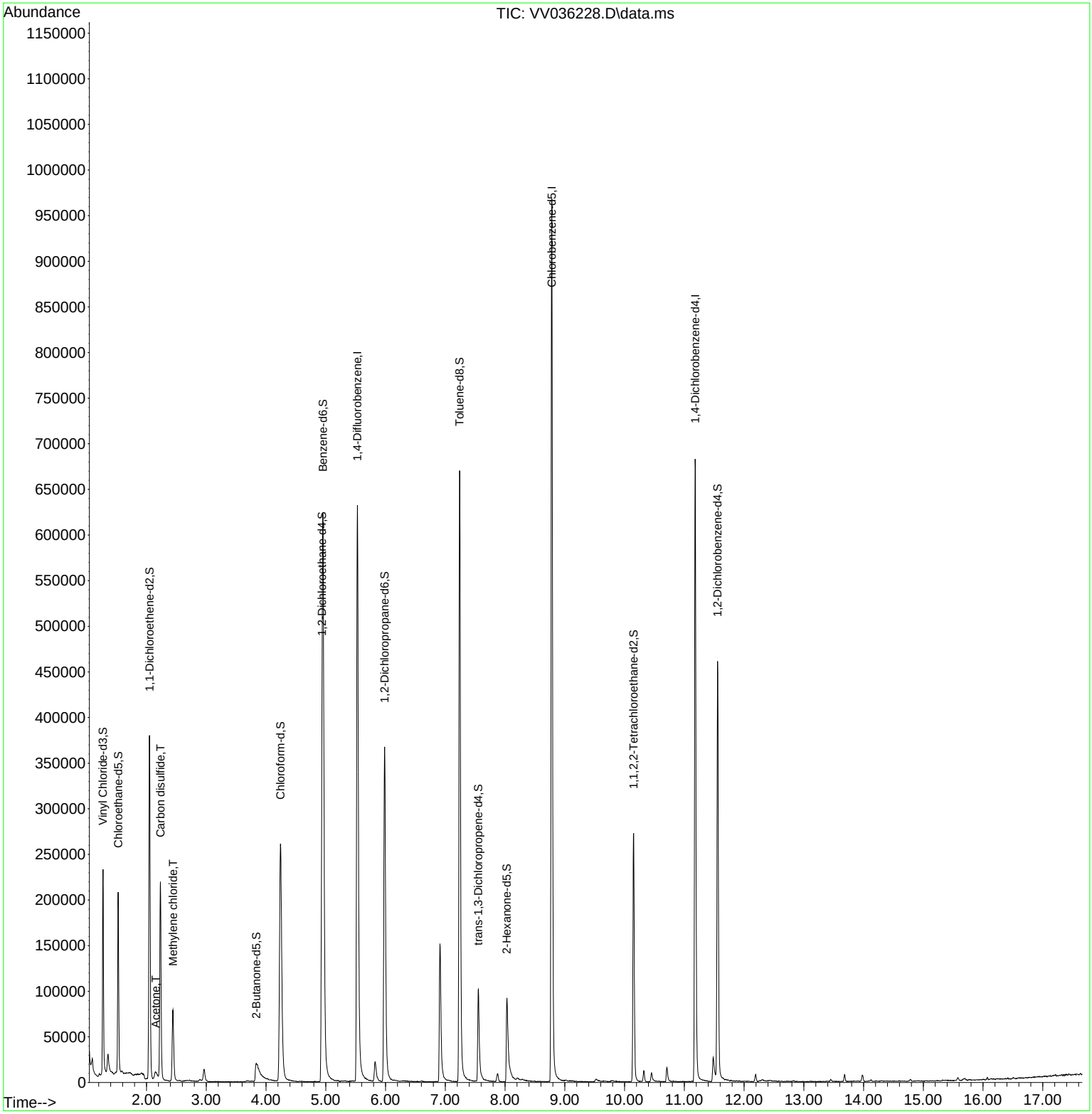

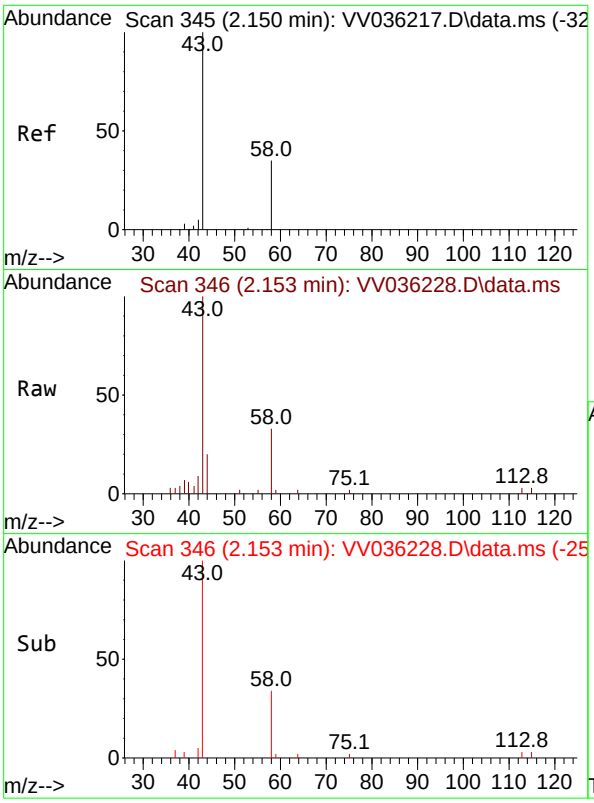


#13
Acetone
Concen: 7.804 ug/L m
RT: 2.153 min Scan# 34
Delta R.T. 0.003 min
Lab File: VV036228.D
Acq: 22 Jun 2024 00:32

Tgt Ion: 43 Resp: 2811(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.0 | 0.0 | 24.2 |

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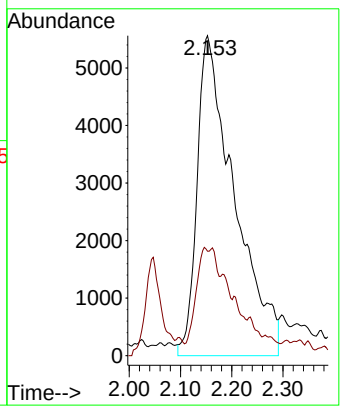
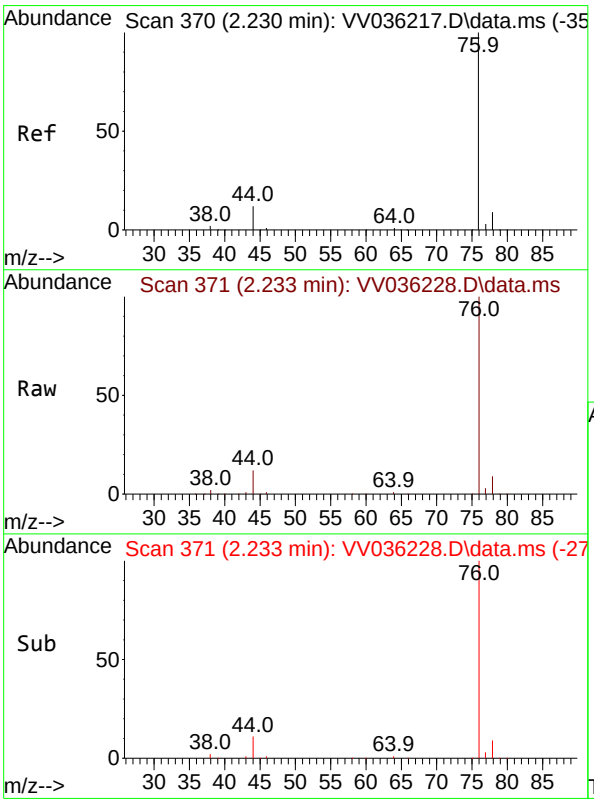
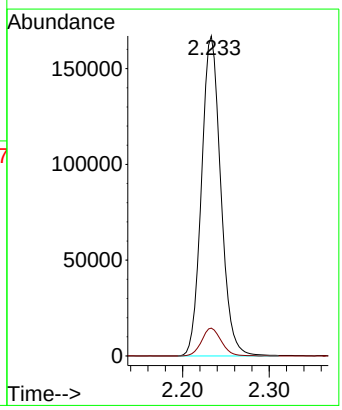


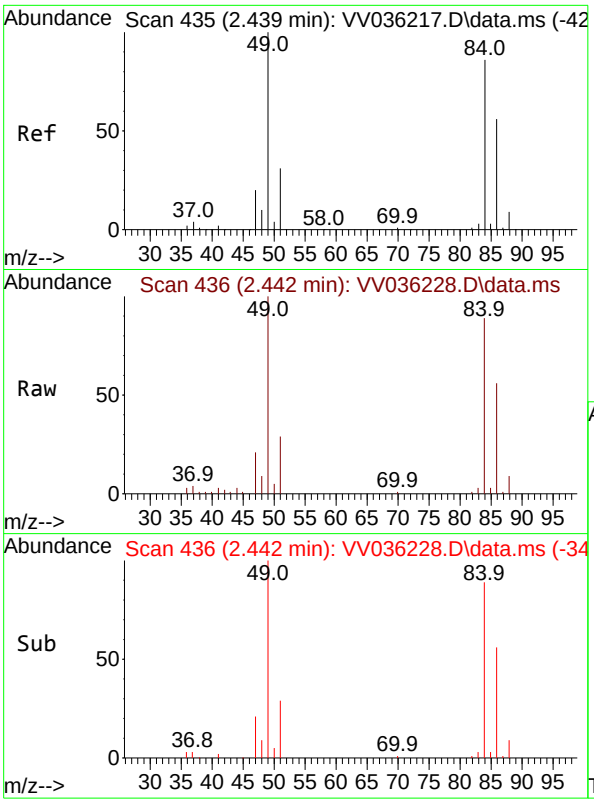




#14
Carbon disulfide
Concen: 8.469 ug/L
RT: 2.233 min Scan# 371
Delta R.T. 0.003 min
Lab File: VV036228.D
Acq: 22 Jun 2024 00:32

Tgt Ion: 76 Resp: 258218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.4 | 11.2 |

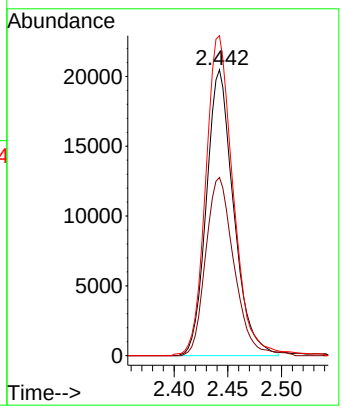





#16
Methylene chloride
Concen: 2.906 ug/L
RT: 2.442 min Scan# 4
Delta R.T. 0.003 min
Lab File: VV036228.D
Acq: 22 Jun 2024 00:32

Tgt Ion: 84 Resp: 3605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.3 | 44.6 | 82.8 |
| 49 | 111.9 | 81.1 | 150.5 |

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