

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\  
 Data File : VV019568.D  
 Acq On : 12 Dec 2020 20:05  
 Operator : SY/MD  
 Sample : L4928-15  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4J5

Quant Time: Dec 13 07:15:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 13 04:37:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 636326   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 592122   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 273969   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 258172   | 56.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 113.16% |
| 7) Chloroethane-d5             | 1.57    | 69    | 207535   | 57.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 115.34% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 372401   | 43.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.94%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 267707   | 107.94   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.94% |
| 24) Chloroform-d               | 4.35    | 84    | 442019   | 53.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.50% |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 304904   | 56.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.46% |
| 32) Benzene-d6                 | 5.05    | 84    | 900034   | 56.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.98% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 280018   | 56.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 113.20% |
| 41) Toluene-d8                 | 7.32    | 98    | 795918   | 55.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.96% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 140690   | 50.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.00% |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 199571   | 102.79   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 345386   | 51.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.24% |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 288146   | 56.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.52% |

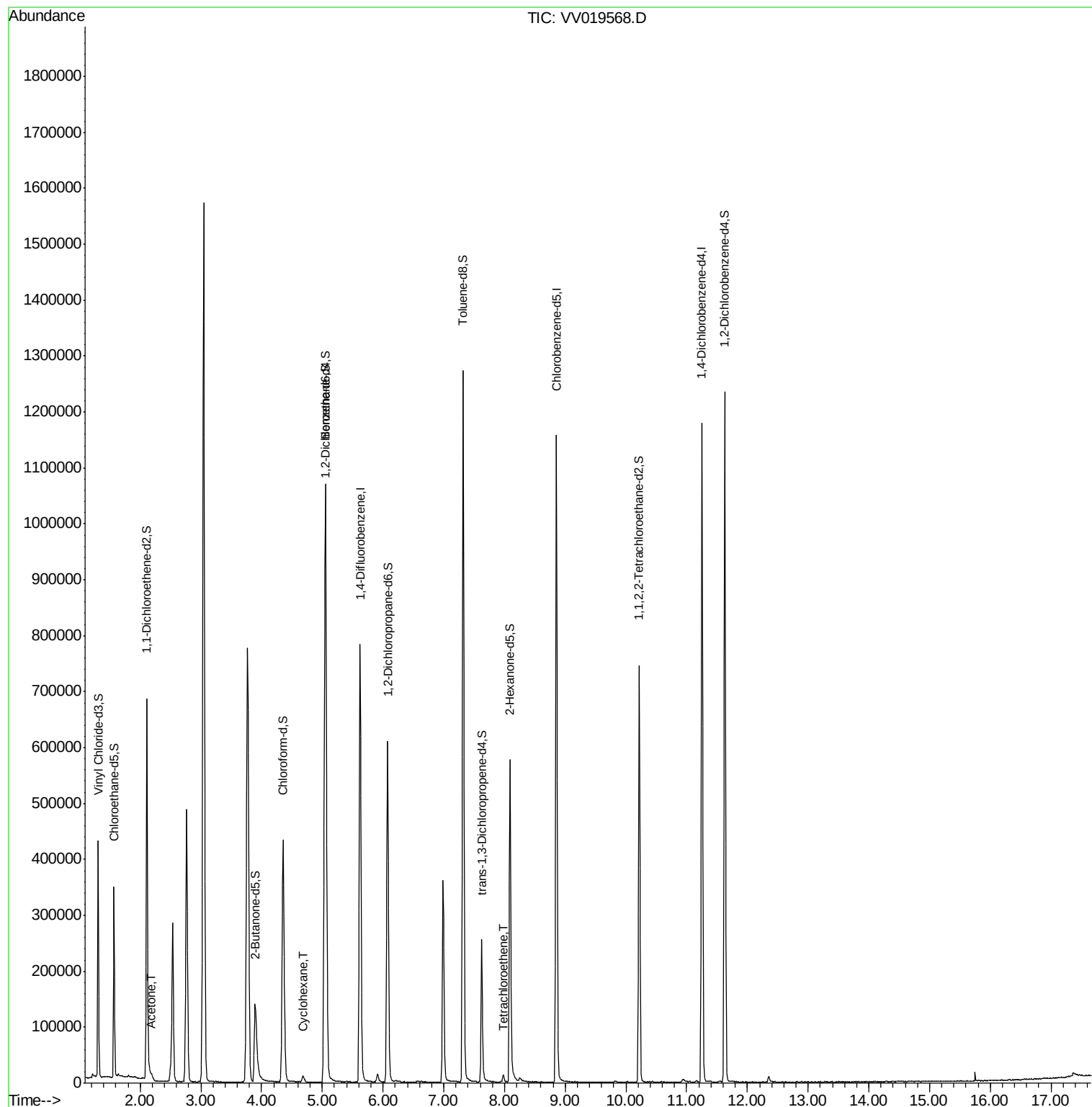
| Target Compounds      |      |     |       |              | Ovalue |
|-----------------------|------|-----|-------|--------------|--------|
| 13) Acetone           | 2.18 | 43  | 12976 | 6.141 ug/L   | 95     |
| 29) Cyclohexane       | 4.68 | 56  | 5873  | 0.809 ug/L # | 90     |
| 46) Tetrachloroethene | 7.98 | 164 | 2477  | 0.783 ug/L   | 92     |

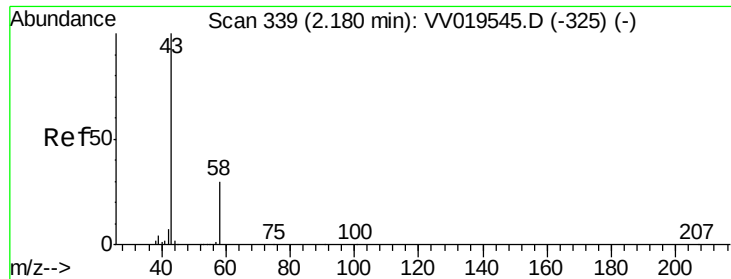
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.141 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV019568.D

Acq: 12 Dec 2020 20:05

Instrument :

MSVOA\_V

ClientSampleId :

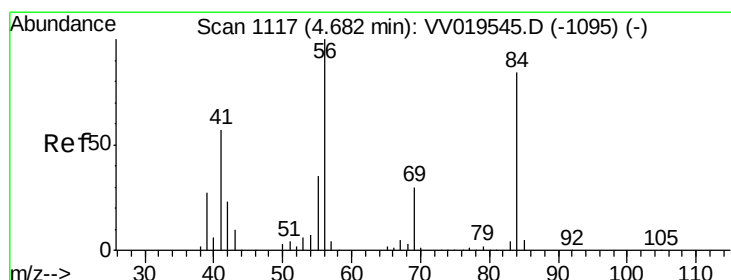
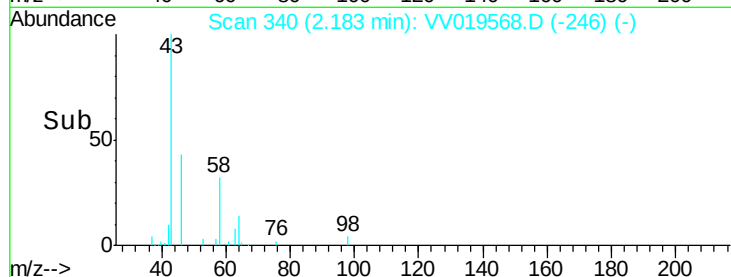
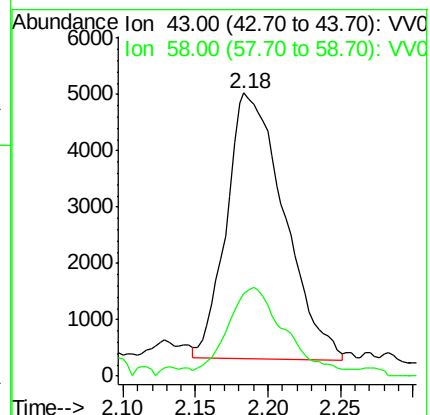
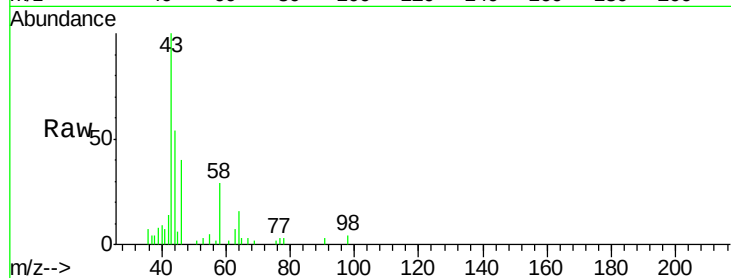
BG4J5

Tot Ion: 43 Resp: 12976

Ion Ratio Lower Upper

43 100

58 33.8 0.0 61.6



#29

Cyclohexane

Concen: 0.809 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VV019568.D

Acq: 12 Dec 2020 20:05

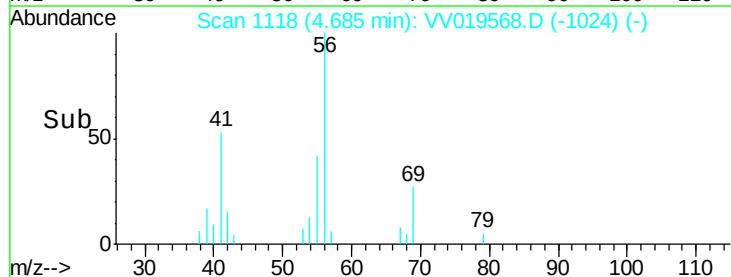
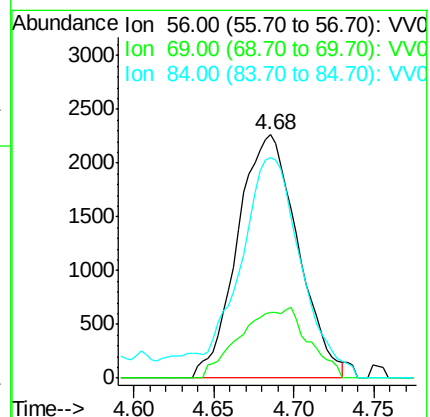
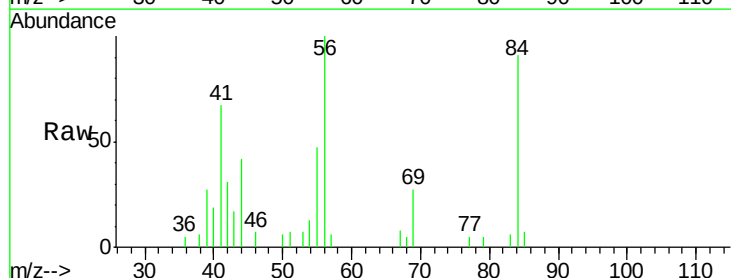
Tgt Ion: 56 Resp: 5873

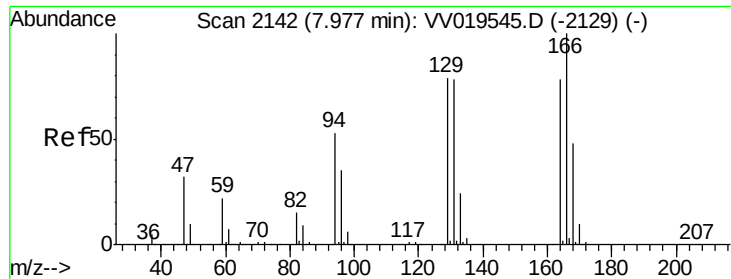
Ion Ratio Lower Upper

56 100

69 19.9 24.6 37.0#

84 90.9 68.2 102.4





#46

Tetrachloroethene

Concen: 0.783 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019568.D

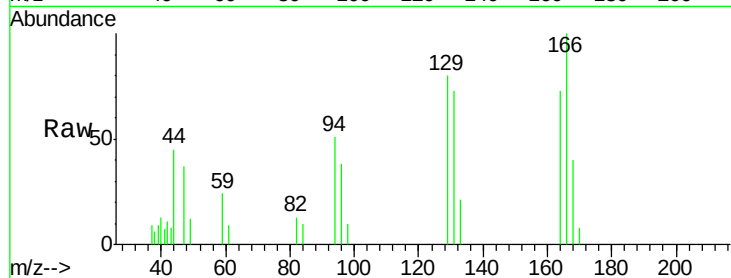
Acq: 12 Dec 2020 20:05

Instrument :

MSVOA\_V

ClientSampleId :

BG4J5



Tot Ion:164 Resp: 2477

Ion Ratio Lower Upper

164 100

129 109.6 70.6 131.0

131 100.5 68.0 126.4

166 137.2 86.9 161.5

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

