

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR122418\  
 Data File : VR026297.D  
 Acq On : 24 Dec 2018 12:19  
 Operator : SY/MD  
 Sample : J6468-02  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JG0

Quant Time: Dec 24 23:10:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR121718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Dec 24 22:50:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 559611   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 433279   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 139143   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 184314   | 5.18     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.60% |
| 7) Chloroethane-d5             | 2.63   | 69    | 195609   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.80% |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 371182   | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.80%  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 182781   | 57.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.60% |
| 24) Chloroform-d               | 7.20   | 84    | 375600   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 144700   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 32) Benzene-d6                 | 7.85   | 84    | 763035   | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.60% |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 184397   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.20% |
| 41) Toluene-d8                 | 9.97   | 98    | 658246   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.20% |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 42292    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 104379   | 53.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 66308    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 122936   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.80% |

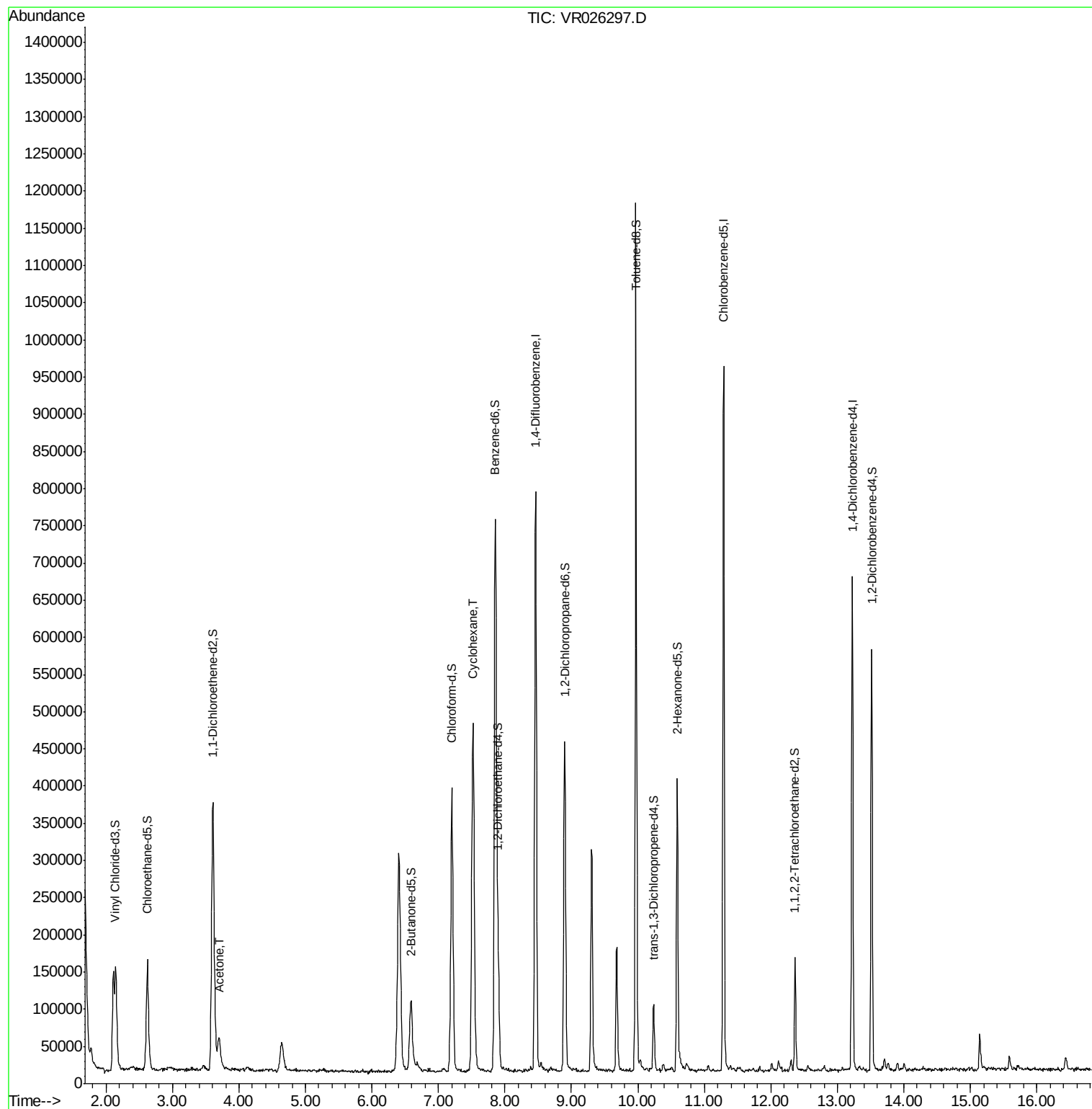
| Target Compounds |      |    |        |             | Qvalue |
|------------------|------|----|--------|-------------|--------|
| 13) Acetone      | 3.70 | 43 | 78849  | 24.476 ug/L | 96     |
| 30) Cyclohexane  | 7.52 | 56 | 244455 | 3.887 ug/L  | 100    |

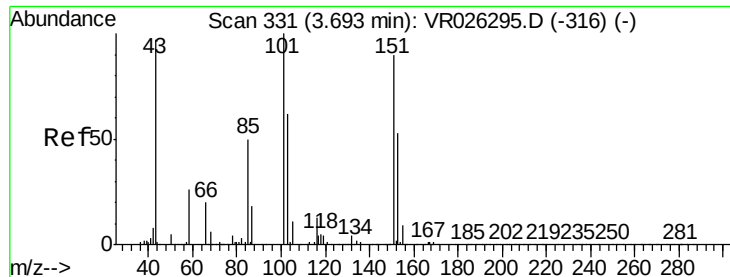
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 24.476 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026297.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA\_R

ClientSampleId :

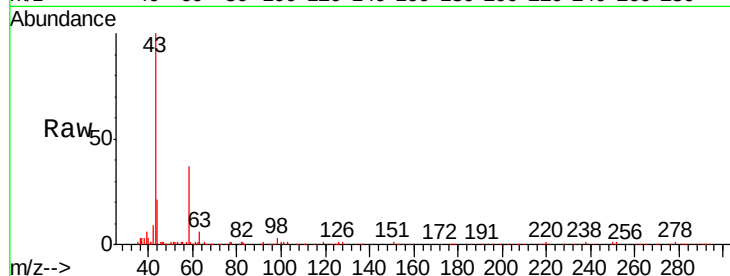
C0JG0

Tgt Ion: 43 Resp: 78849

Ion Ratio Lower Upper

43 100

58 28.1 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

25000

20000

15000

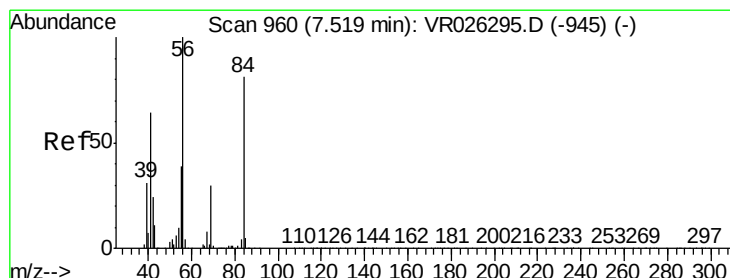
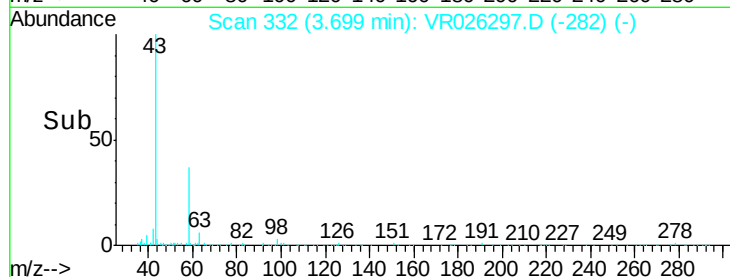
10000

5000

0

Time-->

3.60 3.70 3.80 3.90



#30

Cyclohexane

Concen: 3.887 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

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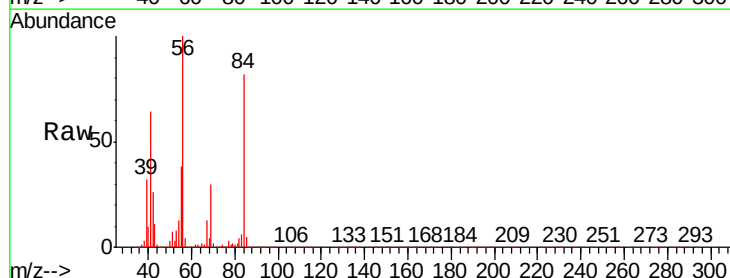
Tgt Ion: 56 Resp: 244455

Ion Ratio Lower Upper

56 100

69 30.4 24.0 36.0

84 80.8 64.5 96.7



Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

7.52

120000

100000

80000

60000

40000

20000

0

Time-->

7.40 7.50 7.60

