

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\  
 Data File : VV017504.D  
 Acq On : 15 Jul 2020 12:08  
 Operator : SY/MD  
 Sample : L3281-18  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXX8

Quant Time: Jul 16 03:02:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 16 01:29:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 142390   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 139420   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 70751    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 35331    | 4.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 30725    | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 59421    | 3.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 84711    | 49.84    | ug/L | -0.03  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.68% |
| 24) Chloroform-d               | 4.38   | 84    | 83180    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 47461    | 4.80     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00% |
| 32) Benzene-d6                 | 5.08   | 84    | 142278   | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.20% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 40569    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.00% |
| 41) Toluene-d8                 | 7.34   | 98    | 133926   | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20% |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 18496    | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 58570    | 45.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.48% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 28294    | 4.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.40% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 57367    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.80% |

## Target Compounds

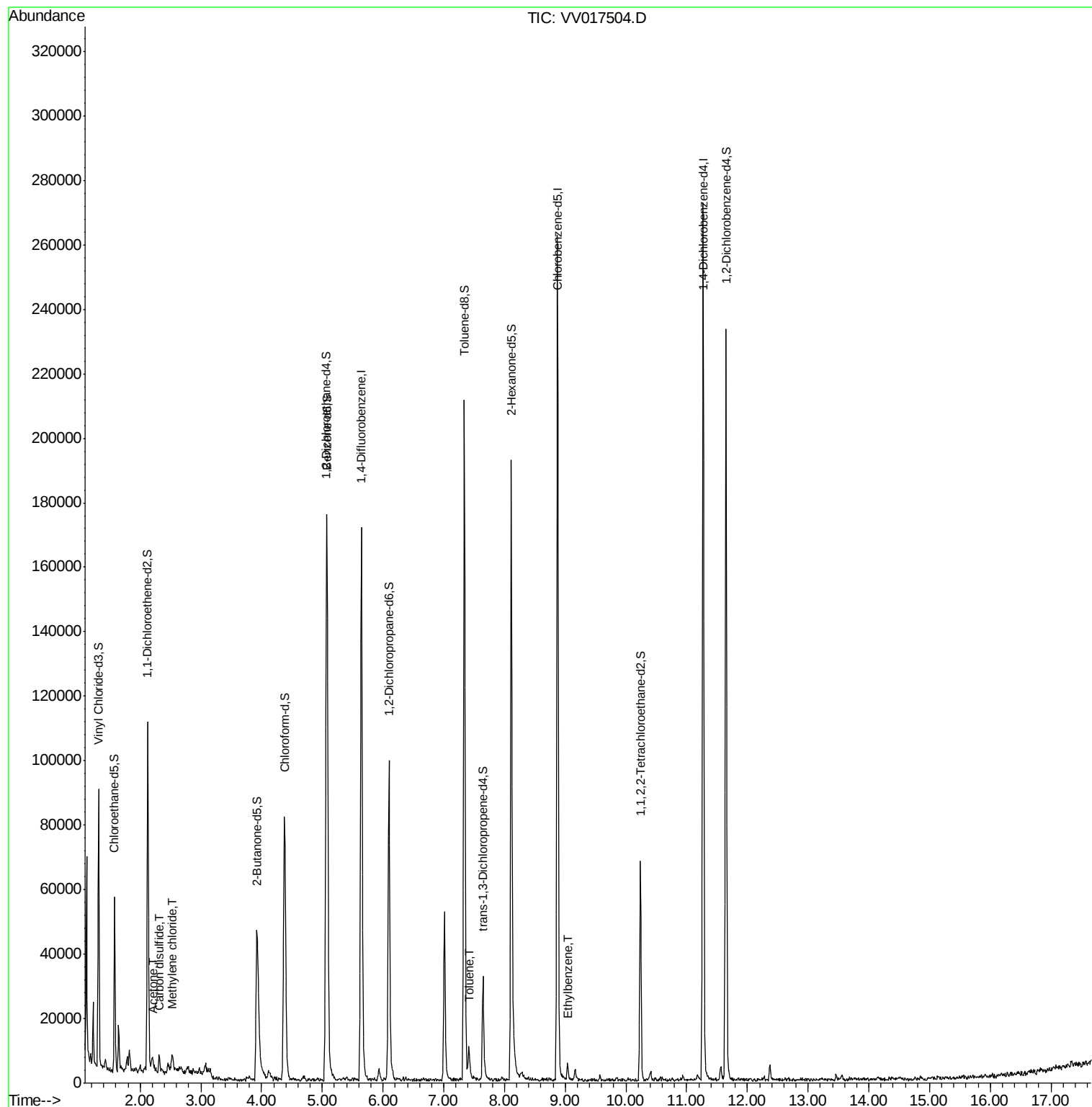
|                        |      |    |      |       | Ovalue    |
|------------------------|------|----|------|-------|-----------|
| 13) Acetone            | 2.20 | 43 | 6788 | 5.501 | ug/L 78   |
| 14) Carbon disulfide   | 2.32 | 76 | 5919 | 0.223 | ug/L # 95 |
| 16) Methylene chloride | 2.53 | 84 | 2231 | 0.216 | ug/L 90   |
| 42) Toluene            | 7.41 | 91 | 7131 | 0.174 | ug/L 84   |
| 54) Ethylbenzene       | 9.04 | 91 | 3845 | 0.082 | ug/L 89   |

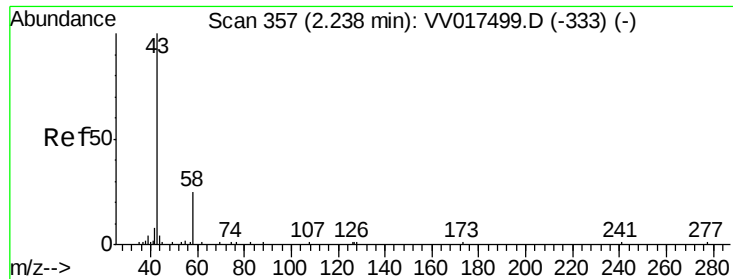
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.501 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.04 min

Lab File: VV017504.D

Acq: 15 Jul 2020 12:08

Instrument :

MSVOA\_V

ClientSampleId :

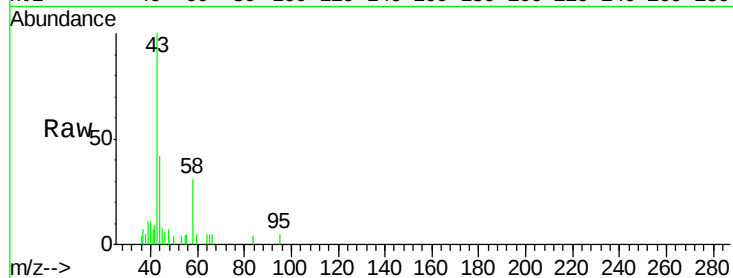
GAXX8

Tot Ion: 43 Resp: 6788

Ion Ratio Lower Upper

43 100

58 26.4 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

2500

2000

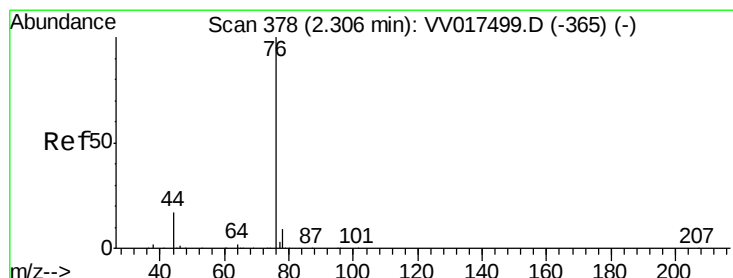
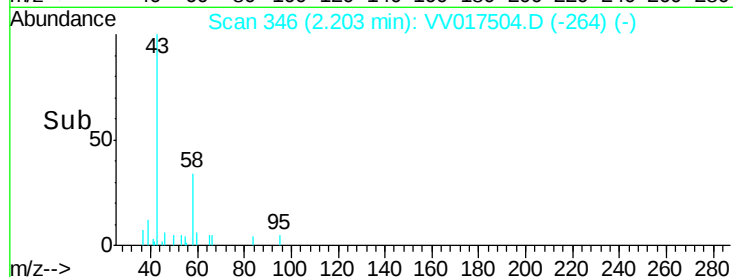
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.223 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017504.D

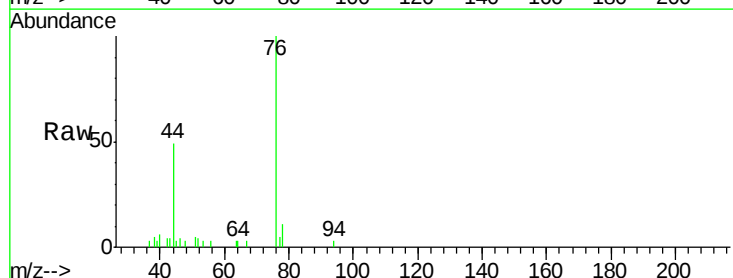
Acq: 15 Jul 2020 12:08

Tgt Ion: 76 Resp: 5919

Ion Ratio Lower Upper

76 100

78 11.3 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

4000

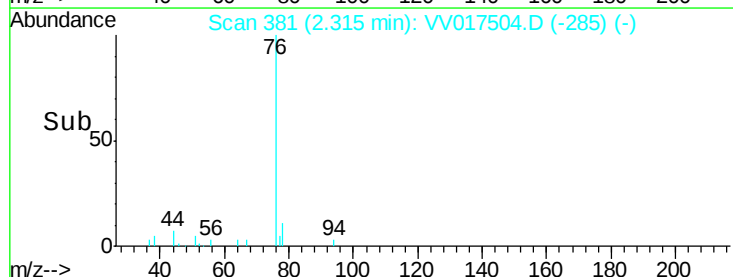
3000

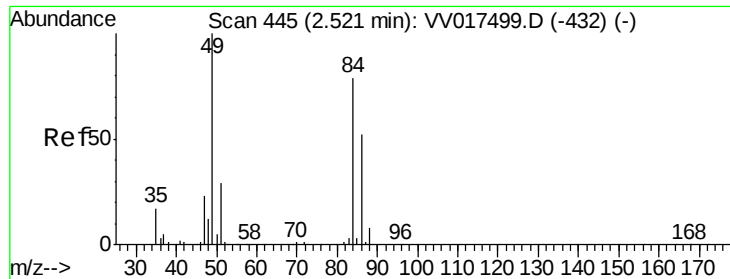
2000

1000

0

Time--> 2.25 2.30 2.35

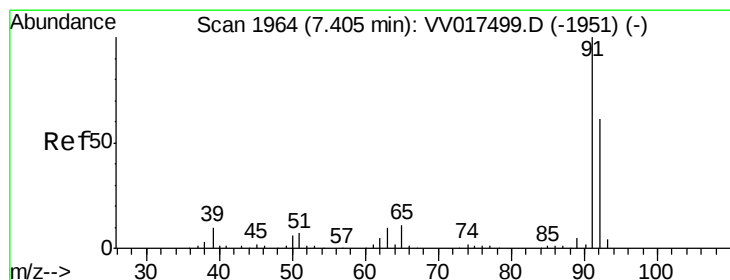
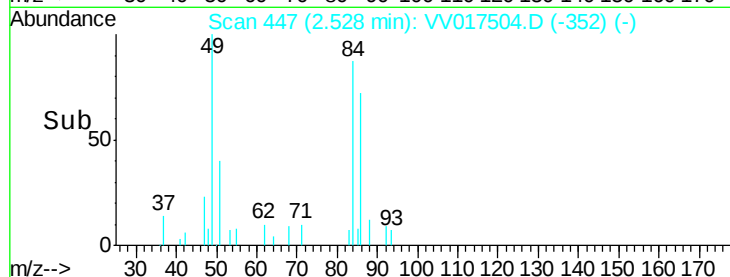
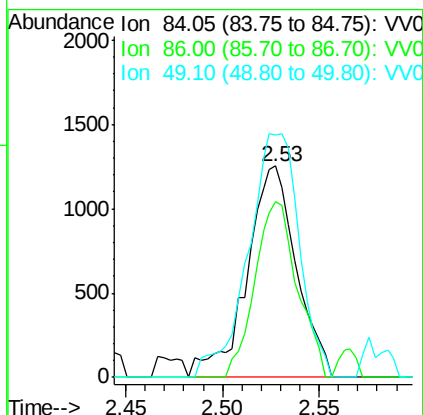
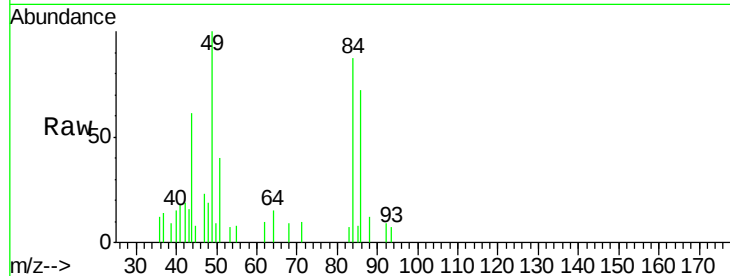




#16  
Methvlene chloride  
Concen: 0.216 ug/L  
RT: 2.53 min Scan# 447  
Delta R.T. 0.01 min  
Lab File: VV017504.D  
Acq: 15 Jul 2020 12:08

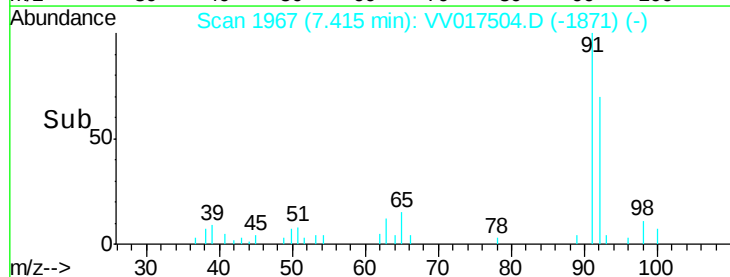
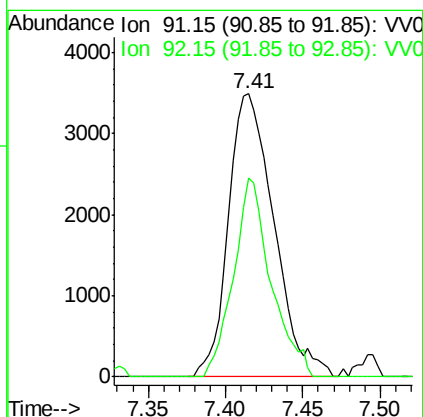
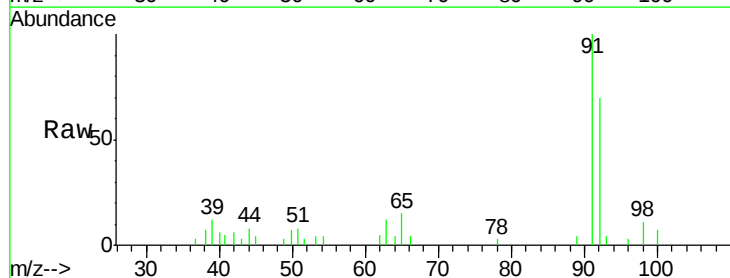
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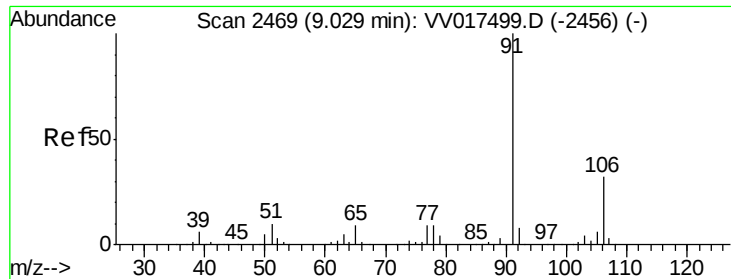
Tot Ion: 84 Resp: 2231  
Ion Ratio Lower Upper  
84 100  
86 83.1 45.5 84.5  
49 124.8 84.6 157.0



#42  
Toluene  
Concen: 0.174 ug/L  
RT: 7.41 min Scan# 1967  
Delta R.T. 0.01 min  
Lab File: VV017504.D  
Acq: 15 Jul 2020 12:08

Tgt Ion: 91 Resp: 7131  
Ion Ratio Lower Upper  
91 100  
92 70.1 40.7 75.5





#54  
 Ethylbenzene  
 Concen: 0.082 ug/L  
 RT: 9.04 min Scan# 2471  
 Delta R.T. 0.01 min  
 Lab File: VV017504.D  
 Acq: 15 Jul 2020 12:08

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXX8

Tot Ion: 91 Resp: 3845  
 Ion Ratio Lower Upper  
 91 100  
 106 25.4 21.9 40.7

