

Data File : VV012478.D  
Acq On : 31 Aug 2019 04:35  
Operator : SY/MD  
Sample : K4605-02  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Aug 31 05:17:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 31 05:14:34 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 213831   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 220016   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 84645    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 62561    | 3.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 65.60%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 50180    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 72.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 78856    | 2.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 50.40%# |
| 20) 2-Butanone-d5              | 3.97   | 46    | 169426   | 43.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.24%  |
| 24) Chloroform-d               | 4.40   | 84    | 128857   | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 66230    | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 238134   | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 72.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 81798    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 193852   | 3.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 65.40%# |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 26028    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 70.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 105483   | 36.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.82%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 57354    | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 77.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 71847    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 87.20%  |

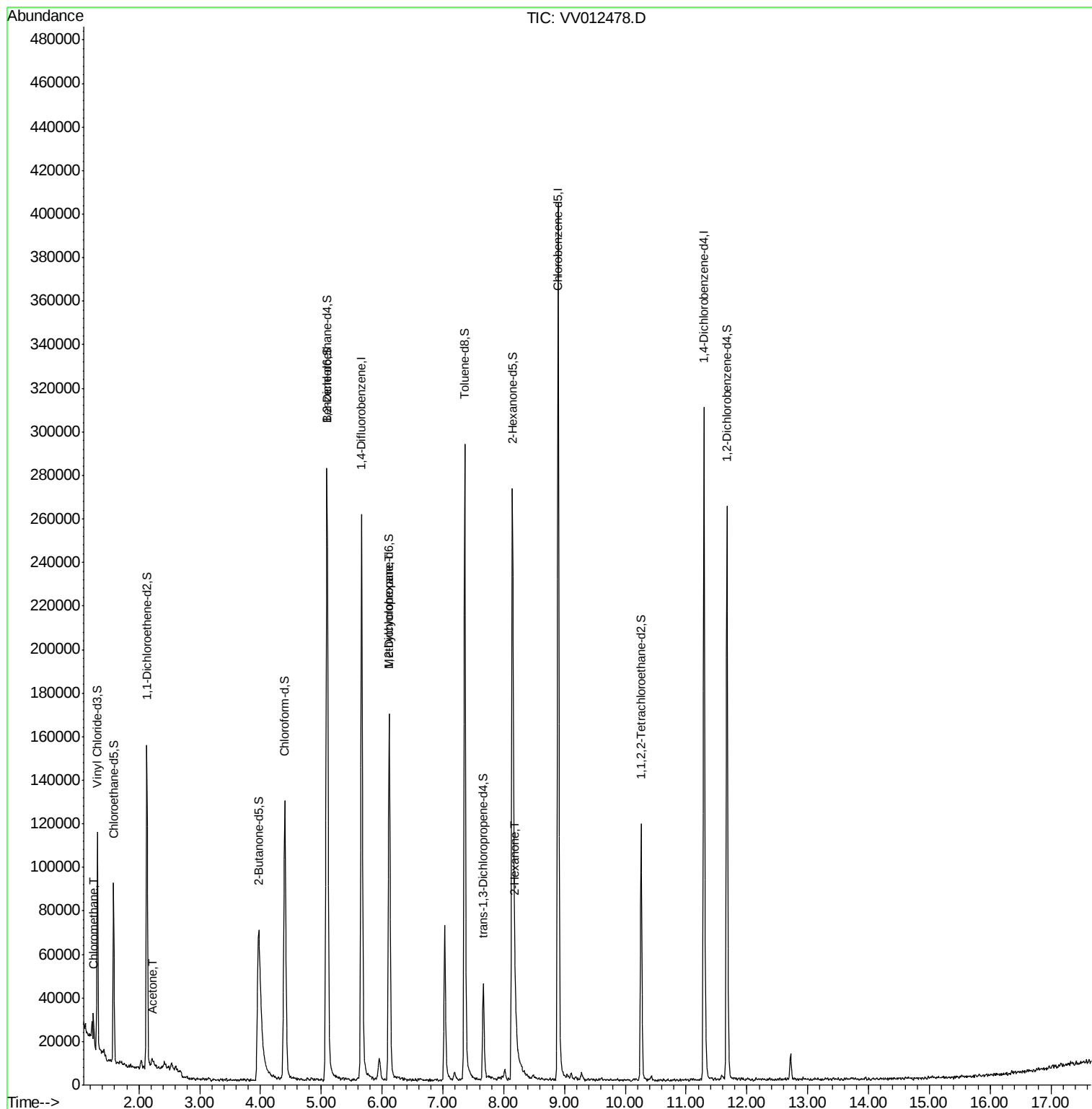
| Target Compounds      |      |    |       |              | Qvalue |
|-----------------------|------|----|-------|--------------|--------|
| 3) Chloromethane      | 1.25 | 50 | 10142 | 0.359 ug/L   | 100    |
| 13) Acetone           | 2.23 | 43 | 5581  | 1.966 ug/L   | 74     |
| 35) Methylcyclohexane | 6.12 | 83 | 18820 | 0.533 ug/L # | 16     |
| 48) 2-Hexanone        | 8.19 | 43 | 10357 | 1.130 ug/L # | 48     |

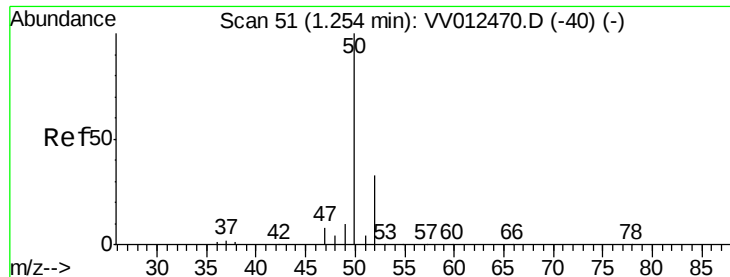
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.359 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

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Instrument :

MSVOA\_V

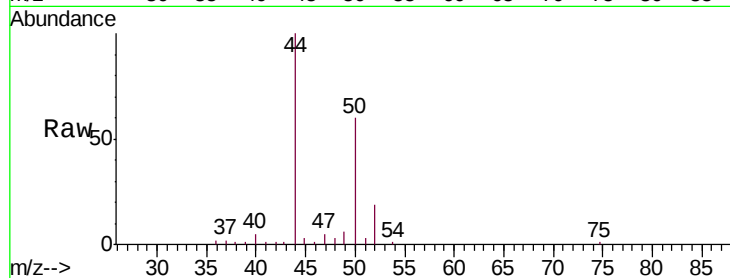
ClientSampleId :

Tgt Ion: 50 Resp: 10142

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV012470.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012470.D (-40) (-)

1.25

10000

8000

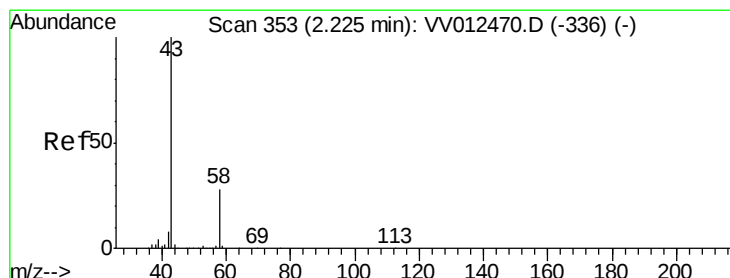
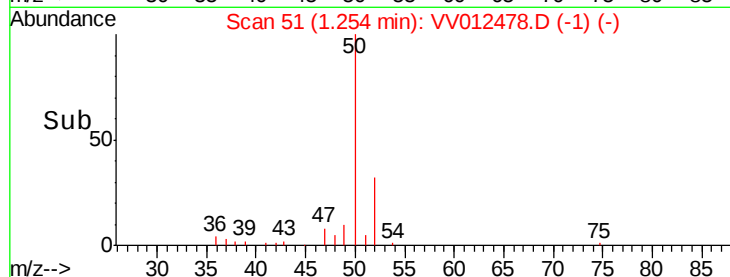
6000

4000

2000

0

Time--> 1.20 1.25 1.30



#13

Acetone

Concen: 1.966 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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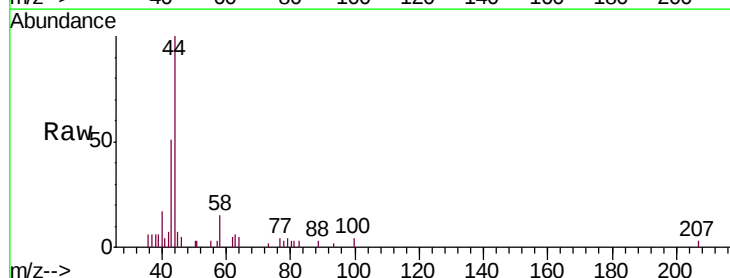
Acq: 31 Aug 2019 04:35

Tgt Ion: 43 Resp: 5581

Ion Ratio Lower Upper

43 100

58 14.8 0.0 56.8



Abundance Ion 43.05 (42.75 to 43.75): VV012470.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012470.D (-336) (-)

2.23

2500

2000

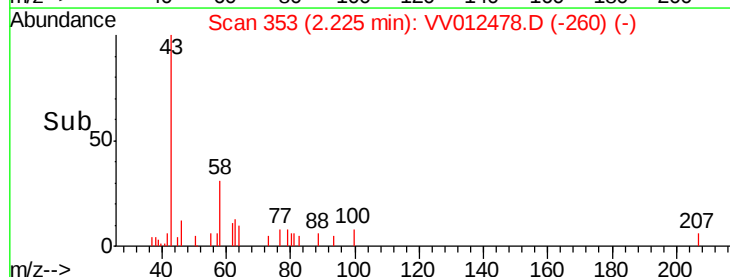
1500

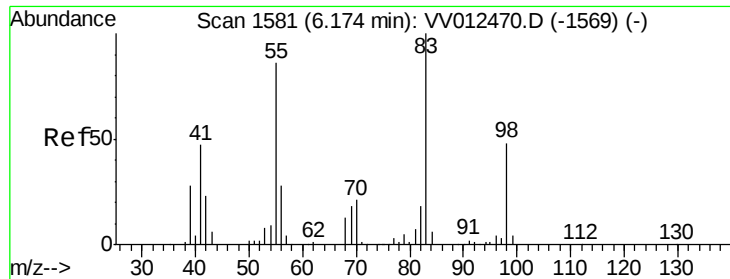
1000

500

0

Time--> 2.15 2.20 2.25 2.30

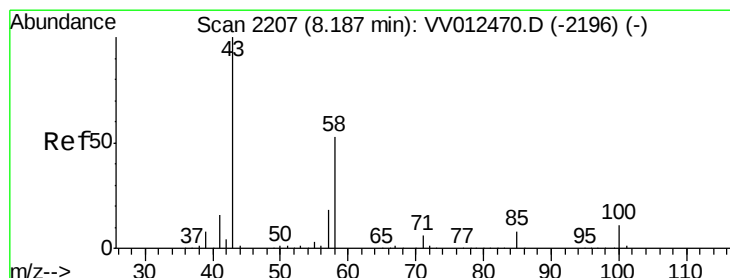
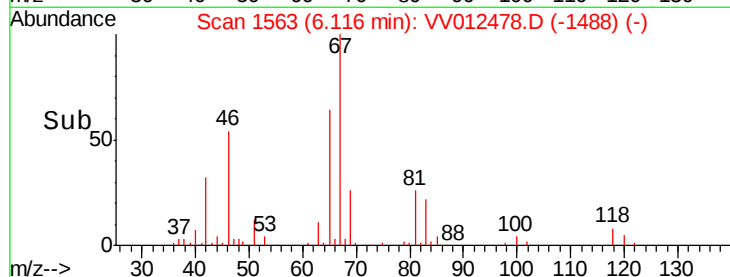
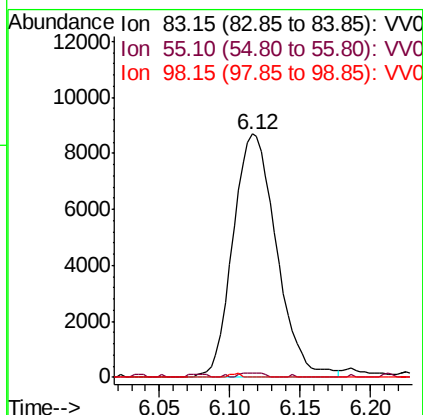
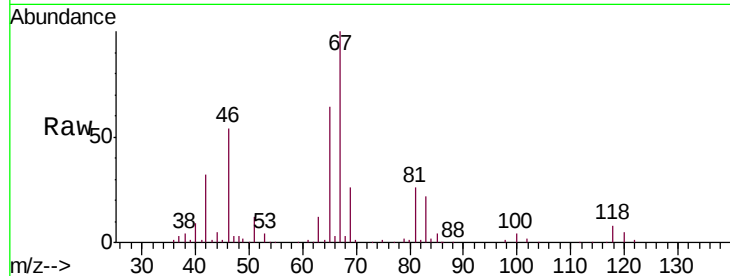




#35  
Methylcyclohexane  
Concen: 0.533 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
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Instrument :  
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ClientSampleId :

Tgt Ion: 83 Resp: 18820  
Ion Ratio Lower Upper  
83 100  
55 1.1 67.8 101.6#  
98 0.4 39.2 58.8#



#48  
2-Hexanone  
Concen: 1.130 ug/L  
RT: 8.19 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VV012478.D  
Acq: 31 Aug 2019 04:35

Tgt Ion: 43 Resp: 10357  
Ion Ratio Lower Upper  
43 100  
58 0.0 43.6 65.4#  
57 15.7 14.2 21.2  
100 6.2 8.9 13.3#

