

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100518\  
 Data File : VR025969.D  
 Acq On : 5 Oct 2018 23:42  
 Operator : SY/MD  
 Sample : J5276-14  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 06 05:31:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 06 05:30:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 415965   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 350063   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 116836   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 103877   | 3.17     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 63.40%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 107288   | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.00%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 184545   | 2.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 48.00%# |
| 20) 2-Butanone-d5              | 6.59   | 46    | 189451   | 51.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.62% |
| 24) Chloroform-d               | 7.20   | 84    | 213676   | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 74.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 96755    | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.80%  |
| 32) Benzene-d6                 | 7.85   | 84    | 373233   | 3.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 64.00%# |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 113982   | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 72.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 317062   | 2.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 58.00%# |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 23622    | 3.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.40%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 137577   | 50.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 53542    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 84.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 71260    | 3.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 76.20%# |

## Target Compounds

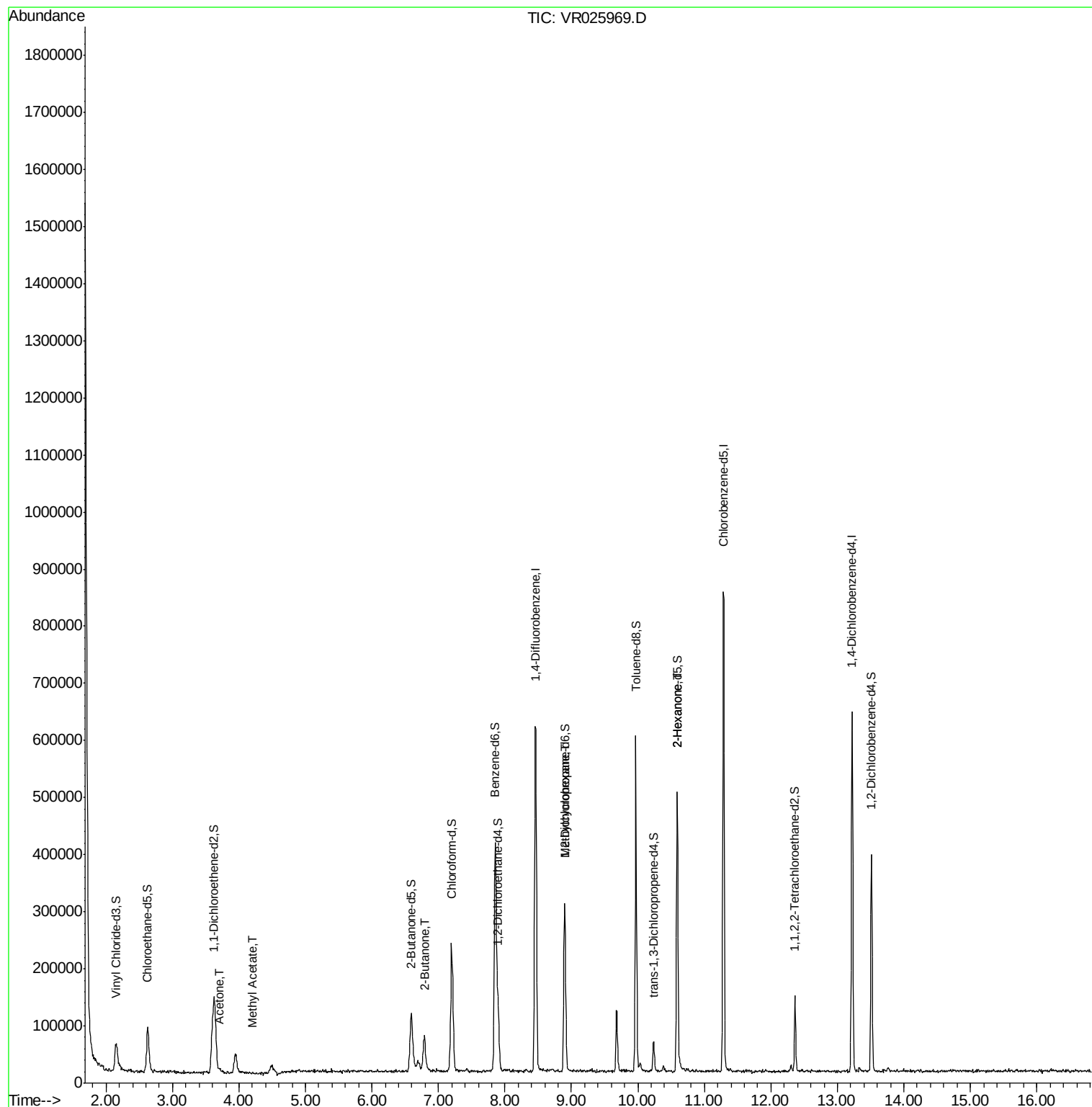
|                       |       |    |        |        | Ovalue    |
|-----------------------|-------|----|--------|--------|-----------|
| 13) Acetone           | 3.70  | 43 | 6084   | 2.295  | ug/L 84   |
| 15) Methyl Acetate    | 4.20  | 43 | 1925   | 0.262  | ug/L 92   |
| 21) 2-Butanone        | 6.79  | 43 | 104676 | 28.713 | ug/L # 52 |
| 35) Methylcyclohexane | 8.89  | 83 | 28169  | 0.606  | ug/L # 15 |
| 48) 2-Hexanone        | 10.59 | 43 | 22880  | 3.946  | ug/L # 68 |

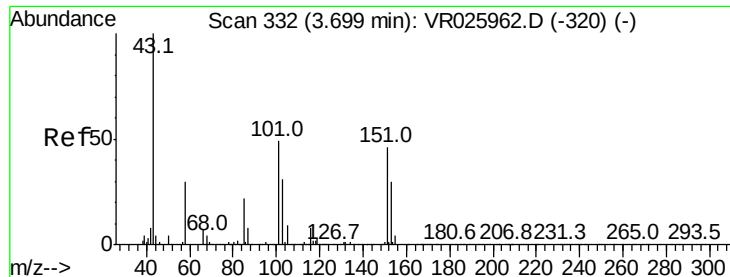
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR100518\  
Data File : VR025969.D  
Acq On : 5 Oct 2018 23:42  
Operator : SY/MD  
Sample : J5276-14  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :

Quant Time: Oct 06 05:31:39 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 06 05:30:02 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.295 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR025969.D

Acq: 5 Oct 2018 23:42

Instrument :

MSVOA\_R

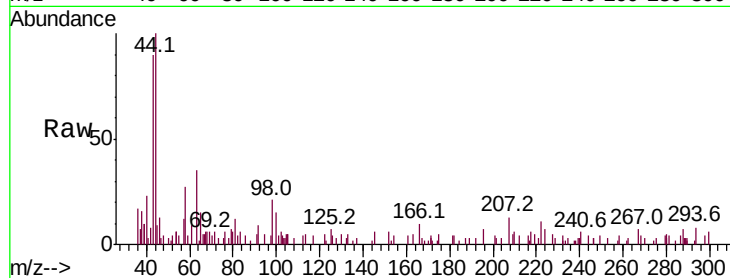
ClientSampled :

Tot Ion: 43 Resp: 6084

Ion Ratio Lower Upper

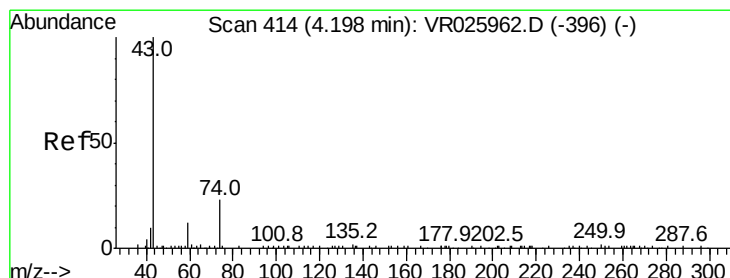
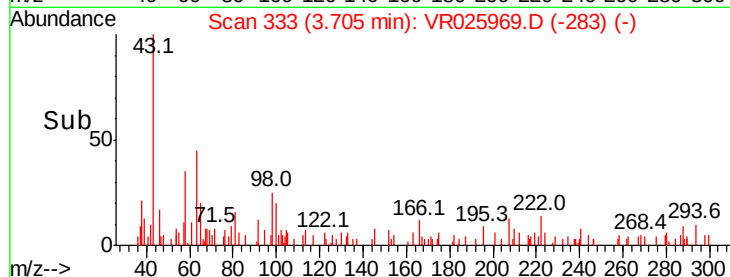
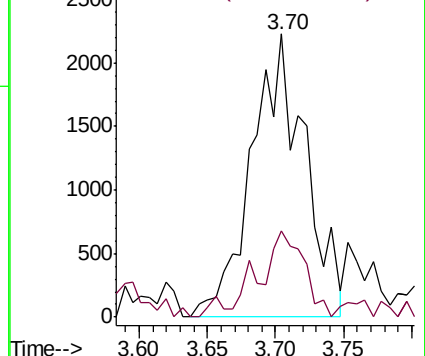
43 100

58 17.8 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 0.262 ug/L

RT: 4.20 min Scan# 415

Delta R.T. 0.01 min

Lab File: VR025969.D

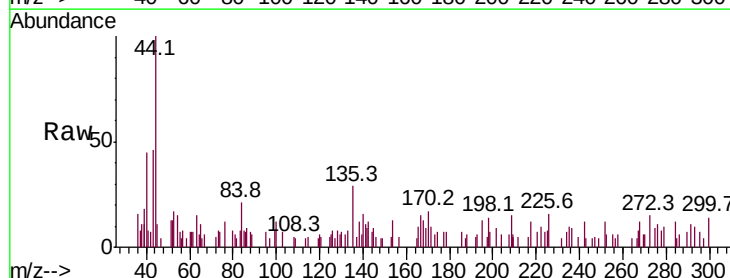
Acq: 5 Oct 2018 23:42

Tgt Ion: 43 Resp: 1925

Ion Ratio Lower Upper

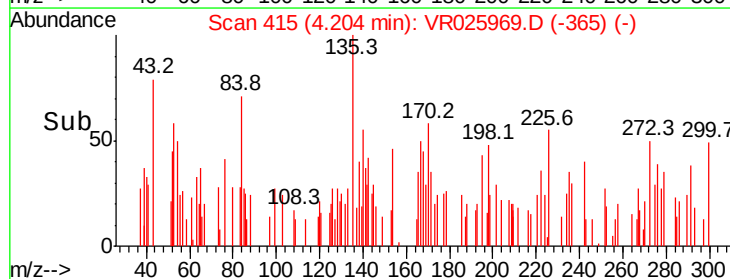
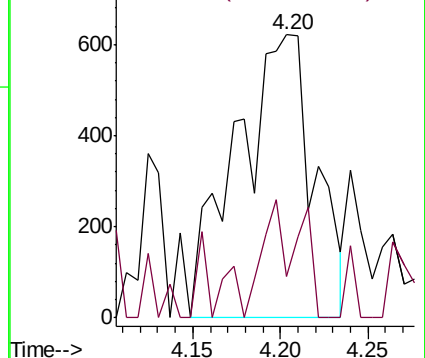
43 100

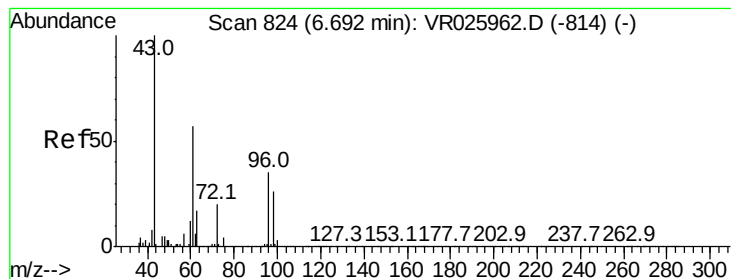
74 19.7 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0





#21

2-Butanone

Concen: 28.713 ug/L

RT: 6.79 min Scan# 840

Delta R.T. 0.10 min

Lab File: VR025969.D

Acq: 5 Oct 2018 23:42

Instrument :

MSVOA\_R

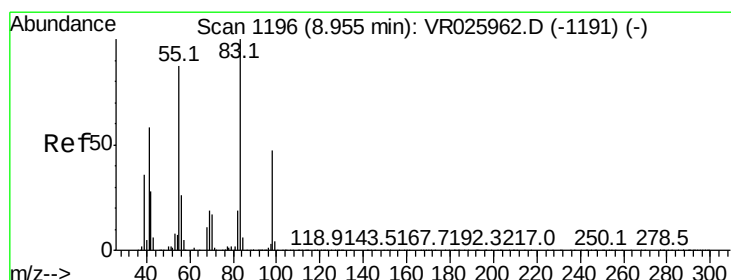
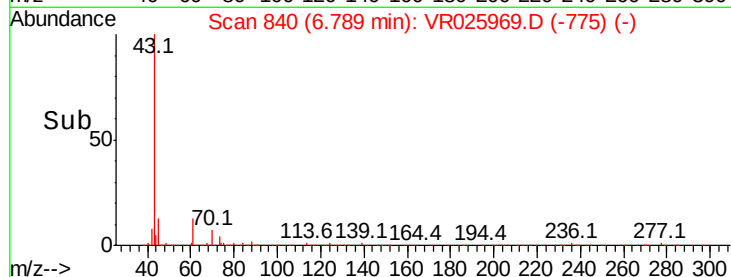
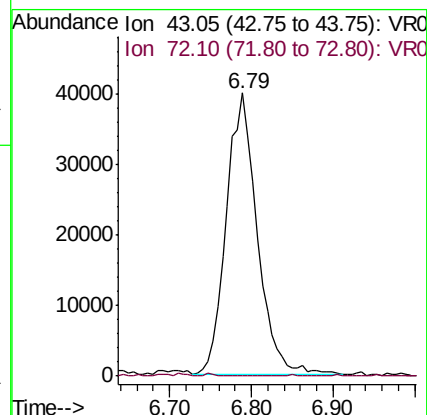
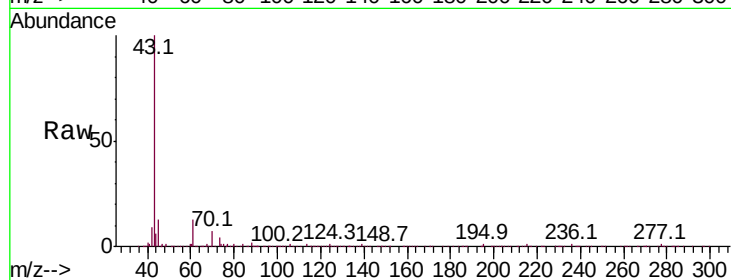
ClientSampleId :

Tot Ion: 43 Resp: 104676

Ion Ratio Lower Upper

43 100

72 0.1 11.9 35.7#



#35

Methylcyclohexane

Concen: 0.606 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.06 min

Lab File: VR025969.D

Acq: 5 Oct 2018 23:42

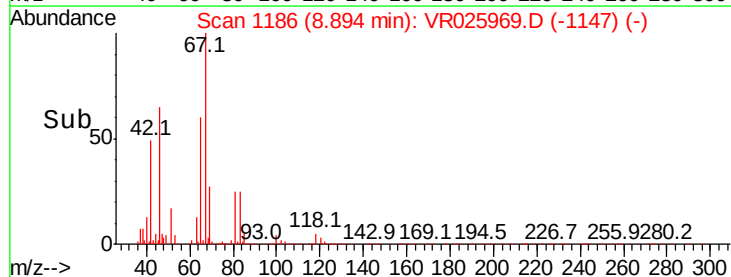
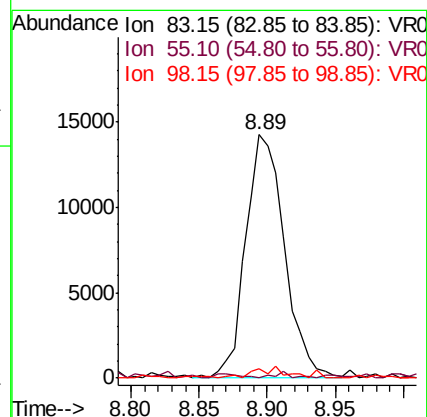
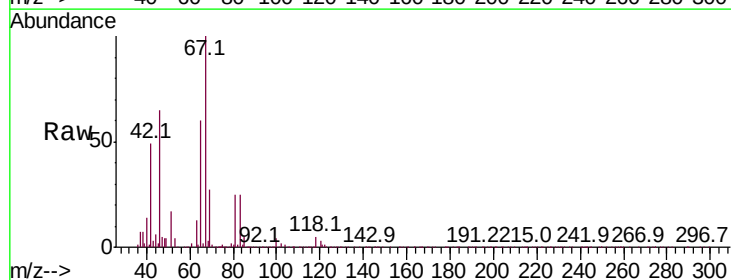
Tgt Ion: 83 Resp: 28169

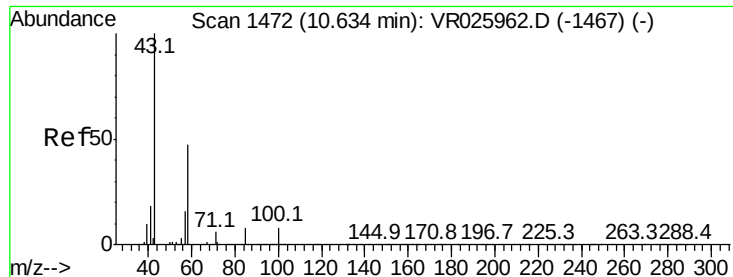
Ion Ratio Lower Upper

83 100

55 1.1 71.8 107.6#

98 1.8 34.2 51.4#





#48

2-Hexanone

Concen: 3.946 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

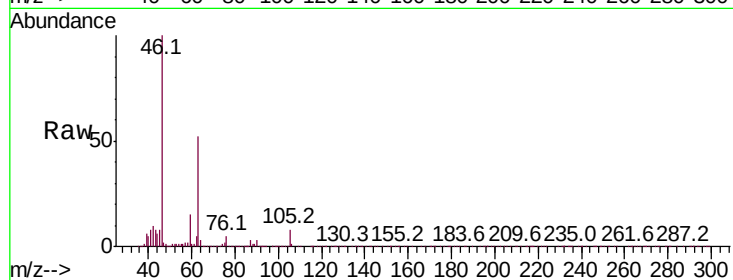
Lab File: VR025969.D

Acq: 5 Oct 2018 23:42

Instrument :

MSVOA\_R

ClientSampleId :



Tot Ion: 43 Resp: 22880

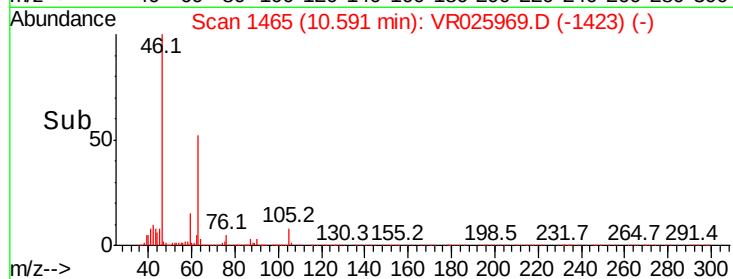
Ion Ratio Lower Upper

43 100

58 20.7 39.5 59.3#

57 24.7 14.6 21.8#

100 3.9 6.7 10.1#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0

