

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR040619\  
 Data File : VR026475.D  
 Acq On : 6 Apr 2019 14:26  
 Operator : SY/MD  
 Sample : VR0406WBL01  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VBLK91

Quant Time: Apr 06 23:36:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR040319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Apr 06 23:34:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 526607   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 426850   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 123412   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 164808   | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.40% |
| 7) Chloroethane-d5             | 2.62   | 69    | 141300   | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.80% |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 335686   | 3.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.80% |
| 20) 2-Butanone-d5              | 6.58   | 46    | 141154   | 39.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 79.14% |
| 24) Chloroform-d               | 7.20   | 84    | 296308   | 3.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.00% |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 128663   | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.60% |
| 32) Benzene-d6                 | 7.85   | 84    | 542861   | 4.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.40% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 145750   | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 82.60% |
| 41) Toluene-d8                 | 9.97   | 98    | 493351   | 4.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.80% |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 31189    | 3.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.60% |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 109184   | 43.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 51751    | 3.75     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 75.00% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 88940    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20% |

## Target Compounds

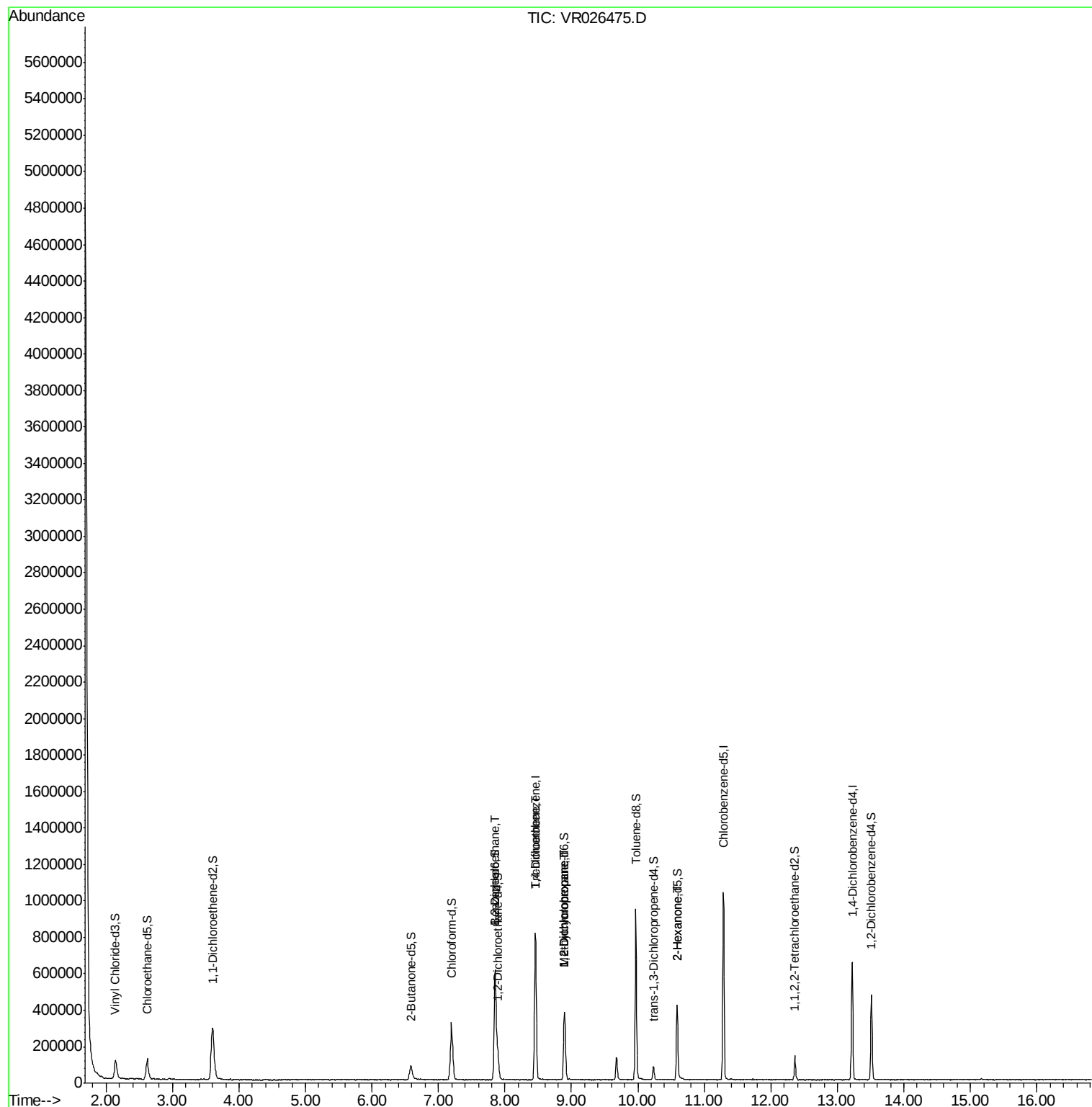
|                         |       |    |       |              | Qvalue |
|-------------------------|-------|----|-------|--------------|--------|
| 27) 1,2-Dichloroethane  | 7.86  | 62 | 4365  | 0.112 ug/L   | 98     |
| 34) Trichloroethene     | 8.46  | 95 | 18037 | 0.404 ug/L # | 12     |
| 35) Methylcyclohexane   | 8.90  | 83 | 35529 | 0.558 ug/L # | 16     |
| 37) 1,2-Dichloropropane | 8.89  | 63 | 19760 | 0.541 ug/L # | 97     |
| 48) 2-Hexanone          | 10.59 | 43 | 20187 | 2.833 ug/L # | 67     |

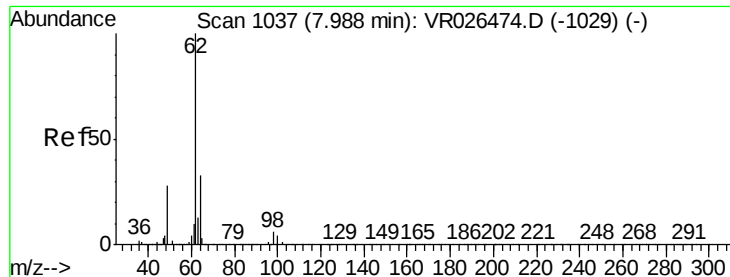
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 23:34:06 2019  
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 0.112 ug/L

RT: 7.86 min Scan# 1016

Delta R.T. -0.13 min

Lab File: VR026475.D

Acq: 6 Apr 2019 14:26

Instrument :

MSVOA\_R

ClientSampleId :

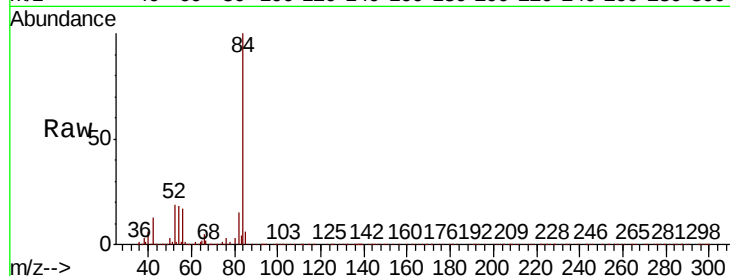
VBLK91

Tgt Ion: 62 Resp: 4365

Ion Ratio Lower Upper

62 100

98 5.3 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.86

1500

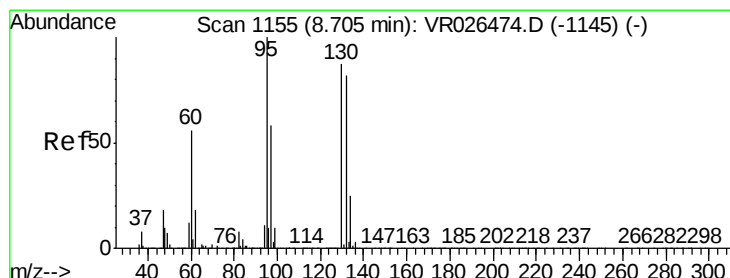
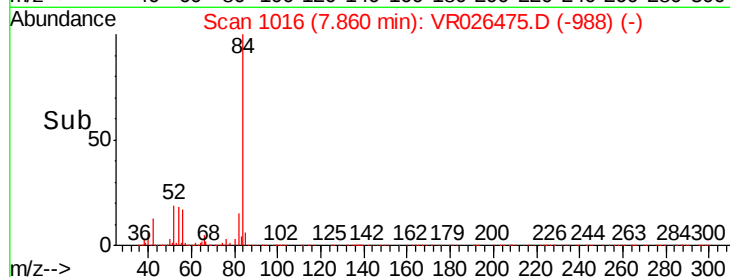
1000

500

0

Time-->

7.80 7.85 7.90



#34

Trichloroethene

Concen: 0.404 ug/L

RT: 8.46 min Scan# 1114

Delta R.T. -0.25 min

Lab File: VR026475.D

Acq: 6 Apr 2019 14:26

Tgt Ion: 95 Resp: 18037

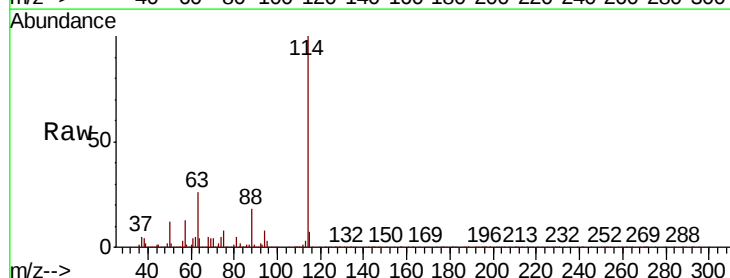
Ion Ratio Lower Upper

95 100

97 1.7 43.8 81.3#

132 0.6 57.2 106.2#

130 0.0 59.7 110.9#



Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

15000

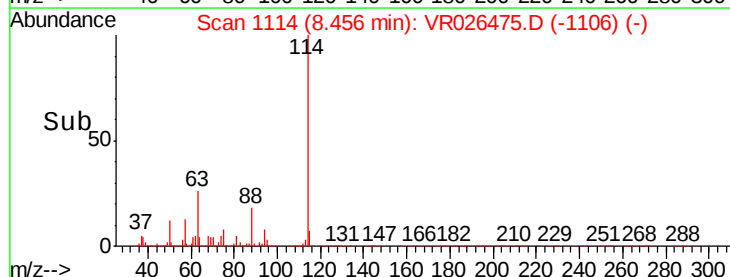
10000

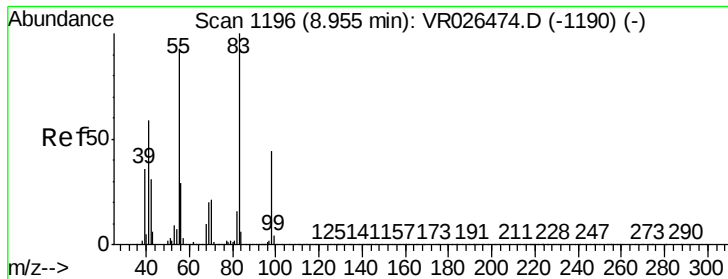
5000

0

Time-->

8.40 8.45 8.50





#35

Methylcyclohexane

Concen: 0.558 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026475.D

Acq: 6 Apr 2019 14:26

Instrument :

MSVOA\_R

ClientSampleId :

VBLK91

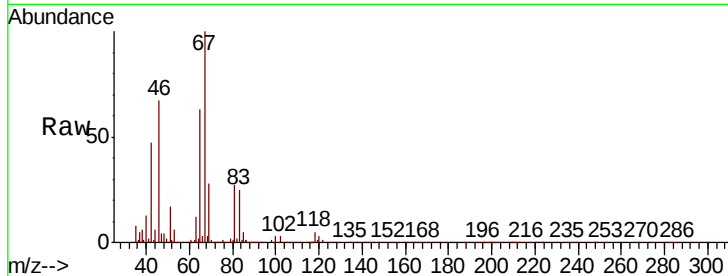
Tgt Ion: 83 Resp: 35529

Ion Ratio Lower Upper

83 100

55 1.5 73.8 110.6#

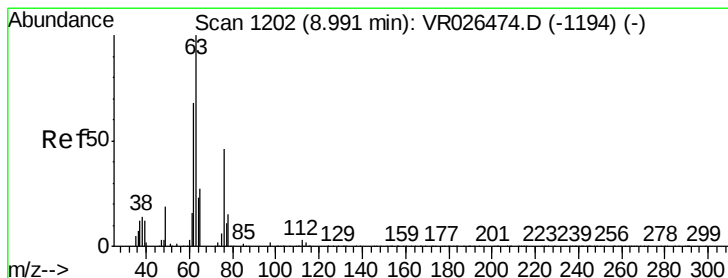
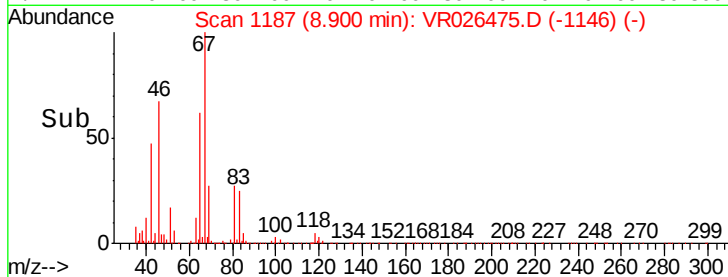
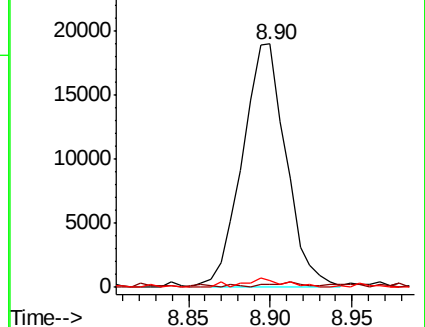
98 3.3 34.6 51.8#



Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0



#37

1,2-Dichloropropane

Concen: 0.541 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

Lab File: VR026475.D

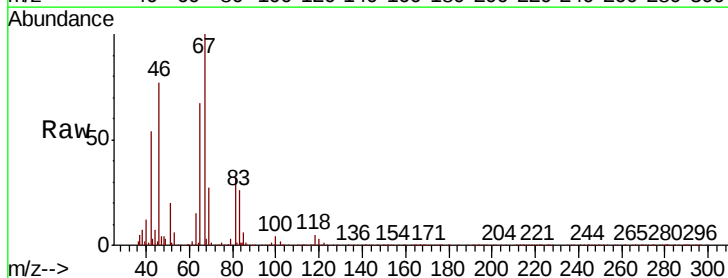
Acq: 6 Apr 2019 14:26

Tgt Ion: 63 Resp: 19760

Ion Ratio Lower Upper

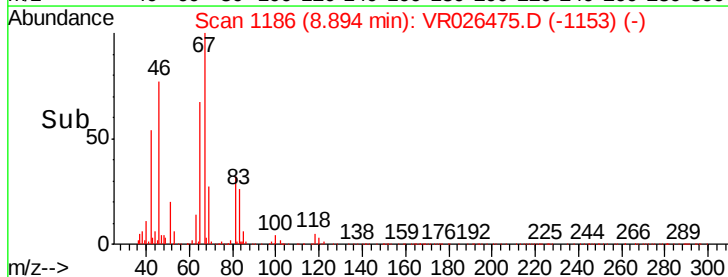
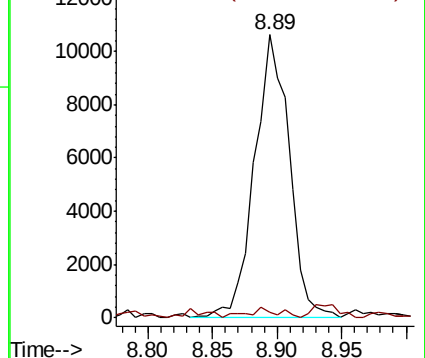
63 100

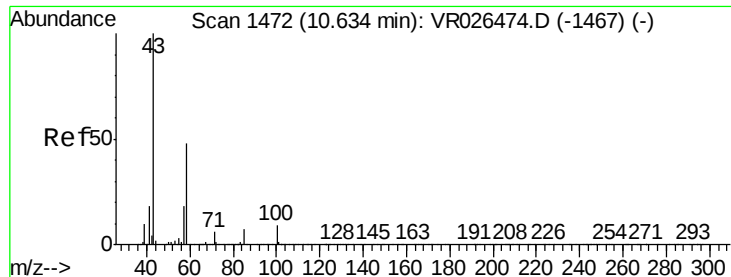
112 2.5 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V





#48

2-Hexanone

Concen: 2.833 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026475.D

Acq: 6 Apr 2019 14:26

Instrument :

MSVOA\_R

ClientSampleId :

VBLK91

Tgt Ion: 43 Resp: 20187

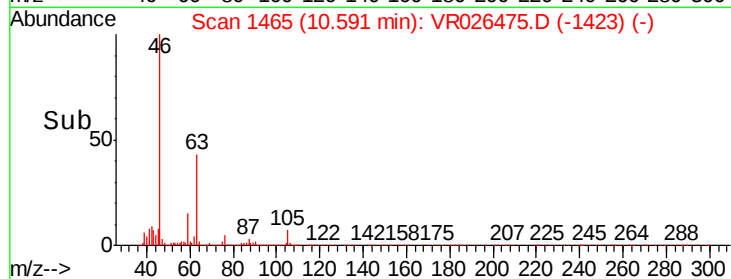
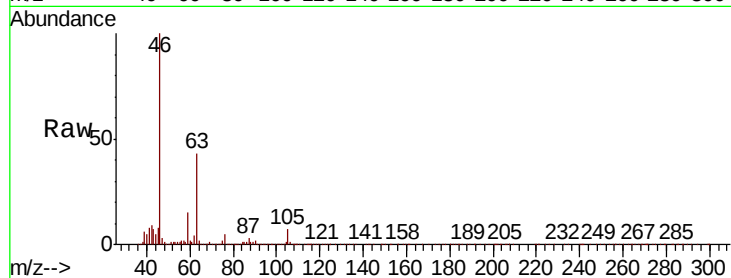
Ion Ratio Lower Upper

43 100

58 22.0 38.2 57.2#

57 30.4 13.8 20.6#

100 4.4 6.2 9.2#



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

