

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\  
 Data File : VV017316.D  
 Acq On : 02 Jul 2020 19:25  
 Operator : SY/MD  
 Sample : L3154-01DL 5X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4268DL

Quant Time: Jul 03 06:29:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 03 06:15:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 166358   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 163756   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 79360    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 43226    | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 34216    | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 68281    | 3.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.80% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 95937    | 37.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 75.40% |
| 24) Chloroform-d               | 4.38   | 84    | 93692    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 50793    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 32) Benzene-d6                 | 5.08   | 84    | 171086   | 4.03     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.60% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 49004    | 3.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 77.00% |
| 41) Toluene-d8                 | 7.34   | 98    | 157187   | 3.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.80% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 19978    | 3.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.40% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 64886    | 32.15    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 64.30% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 33318    | 3.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 78.80% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 62562    | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 85.20% |

## Target Compounds

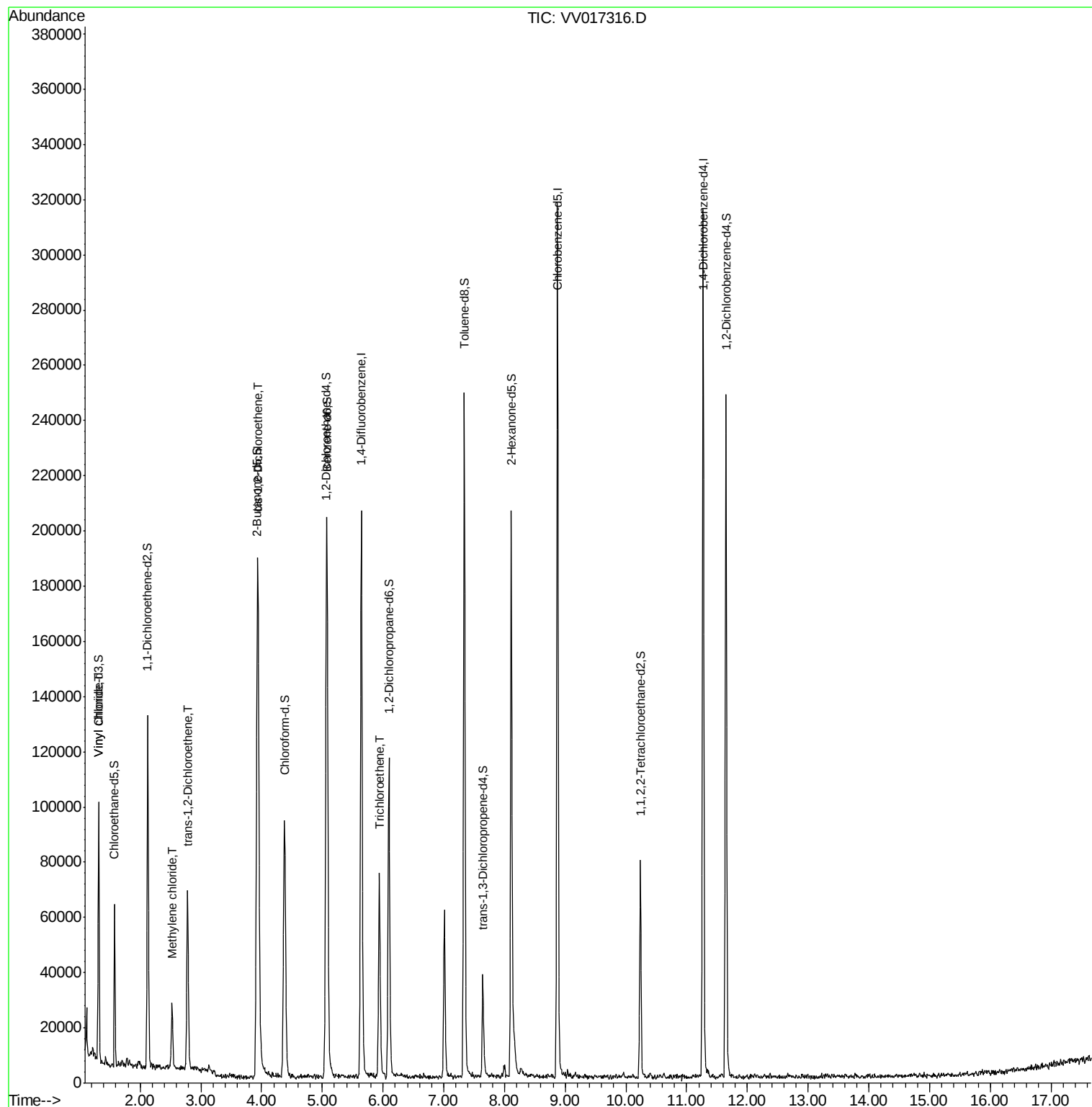
|                              |      |    |       |            | Ovalue |
|------------------------------|------|----|-------|------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 15140 | 1.387 ug/L | 91     |
| 16) Methylene chloride       | 2.52 | 84 | 9738  | 1.139 ug/L | 92     |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 23009 | 2.720 ug/L | 98     |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96 | 80763 | 6.981 ug/L | 97     |
| 34) Trichloroethene          | 5.94 | 95 | 22754 | 1.812 ug/L | 93     |

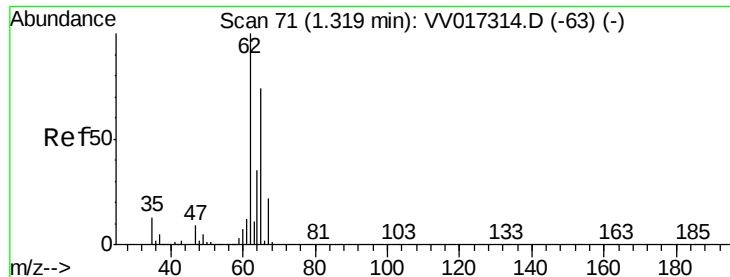
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 03 06:15:26 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

Instrument :

MSVOA\_V

ClientSampled :

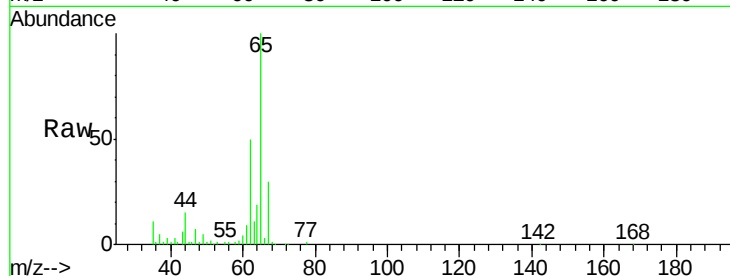
H4268DL

Tot Ion: 62 Resp: 15140

Ion Ratio Lower Upper

62 100

64 37.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

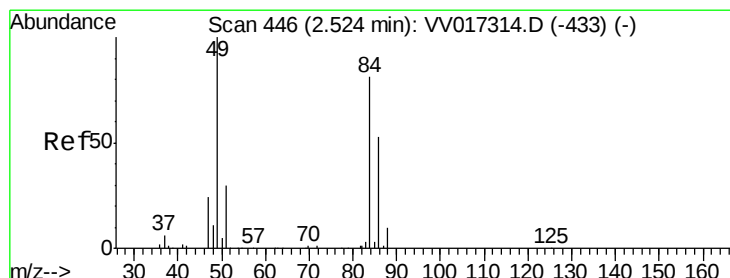
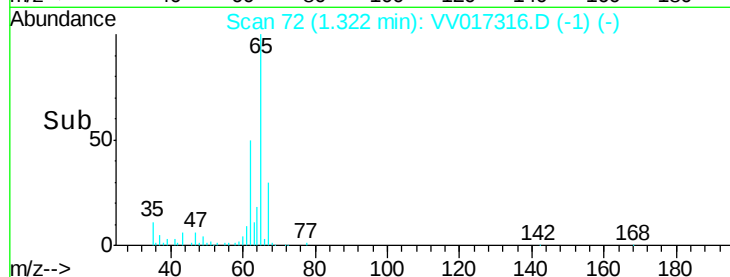
15000

10000

5000

0

Time-->



#16

Methylene chloride

Concen: 1.139 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017316.D

Acq: 02 Jul 2020 19:25

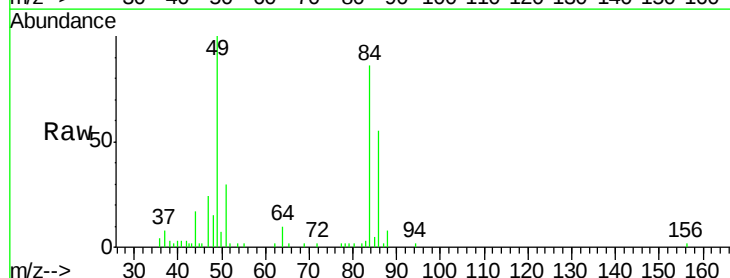
Tgt Ion: 84 Resp: 9738

Ion Ratio Lower Upper

84 100

86 63.7 45.8 85.0

49 116.1 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.52

8000

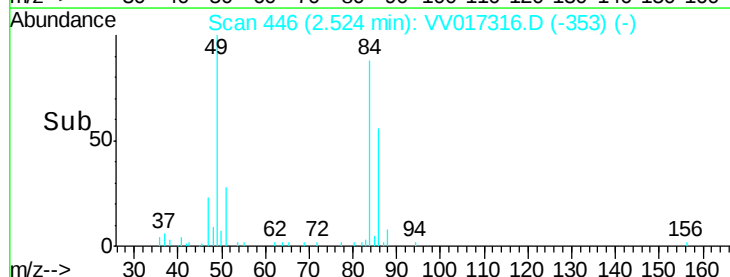
6000

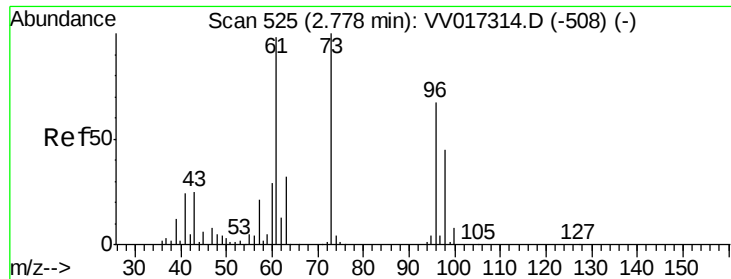
4000

2000

0

Time-->

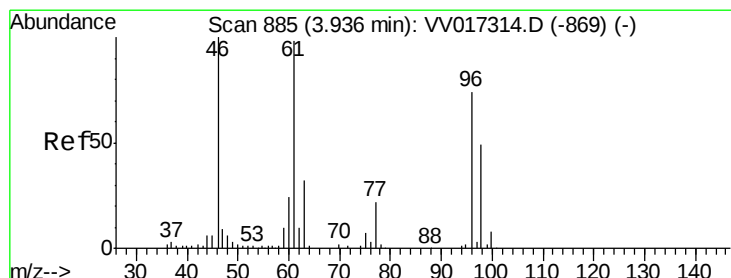
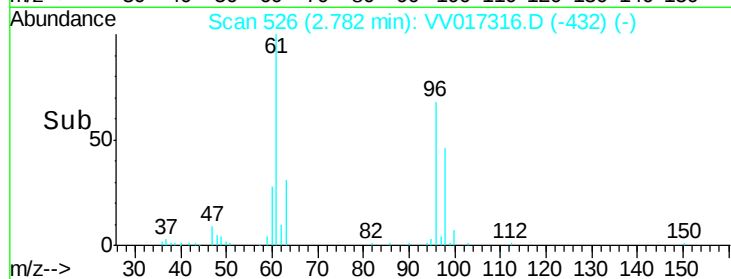
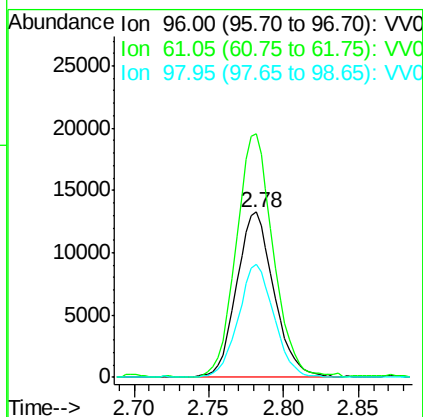
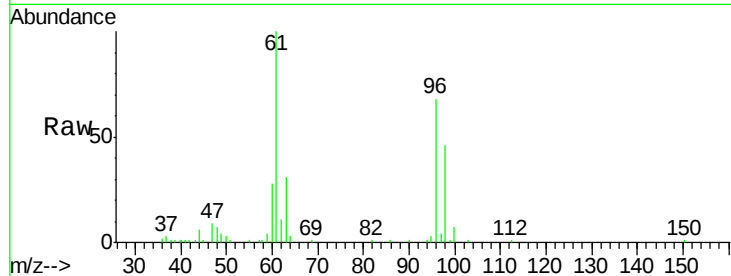




#18  
trans-1,2-Dichloroethene  
Concen: 2.720 ug/L  
RT: 2.78 min Scan# 526  
Delta R.T. 0.00 min  
Lab File: VV017316.D  
Acq: 02 Jul 2020 19:25

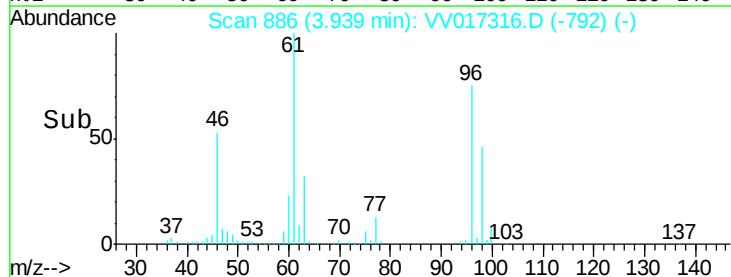
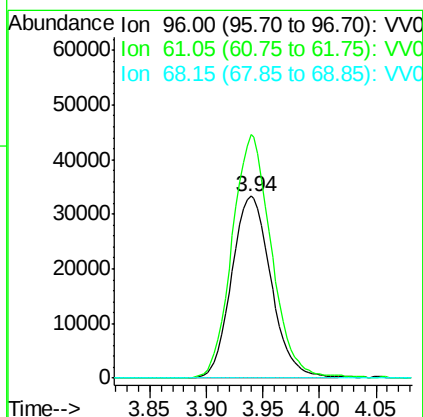
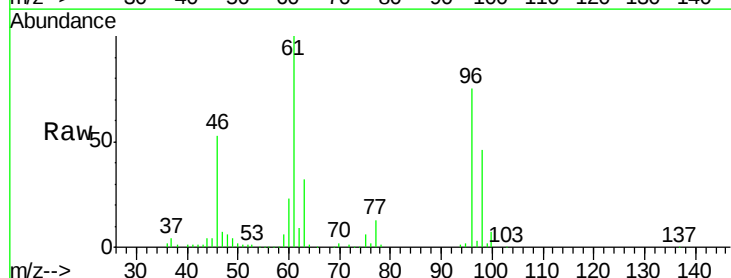
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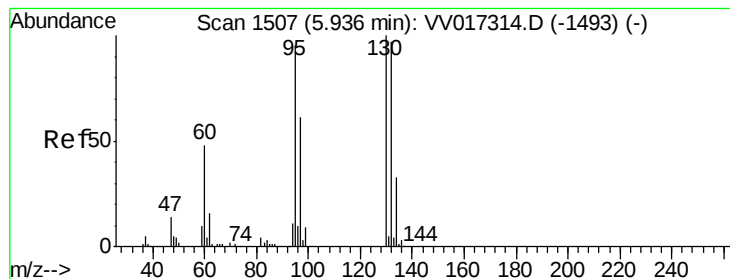
Tot Ion: 96 Resp: 23009  
Ion Ratio Lower Upper  
96 100  
61 147.3 102.3 189.9  
98 68.2 44.7 82.9



#22  
cis-1,2-Dichloroethene  
Concen: 6.981 ug/L  
RT: 3.94 min Scan# 886  
Delta R.T. 0.00 min  
Lab File: VV017316.D  
Acq: 02 Jul 2020 19:25

Tgt Ion: 96 Resp: 80763  
Ion Ratio Lower Upper  
96 100  
61 133.9 91.0 169.0  
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.812 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017316.D

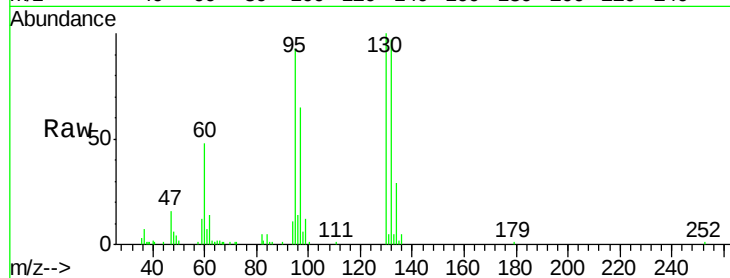
Acq: 02 Jul 2020 19:25

Instrument :

MSVOA\_V

ClientSampleId :

H4268DL



Tot Ion: 95 Resp: 22754

Ion Ratio Lower Upper

95 100

97 69.9 45.3 84.1

132 105.0 68.8 127.8

130 107.9 70.2 130.4

Abundance Ion 95.00 (94.70 to 95.70): VV017316.D (-1414) (-)

