

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\  
 Data File : VW014634.D  
 Acq On : 14 Jan 2020 15:47  
 Operator : SY/VA  
 Sample : L1109-14  
 Misc : 5.04G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 15 01:51:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 15 01:48:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 909806   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 817812   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 376599   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 298084   | 23.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 235152   | 24.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.14   | 63    | 745      | 0.03     | ug/L | 0.12    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.12%#  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 160268   | 52.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.02% |
| 24) Chloroform-d               | 7.65   | 84    | 531178   | 25.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.52% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 286884   | 26.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 1153685  | 26.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 354444   | 27.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 108.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 1043272  | 26.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.84% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 140358   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.96% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 120476   | 53.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.76% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 263385   | 26.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 352377   | 28.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.60% |

## Target Compounds

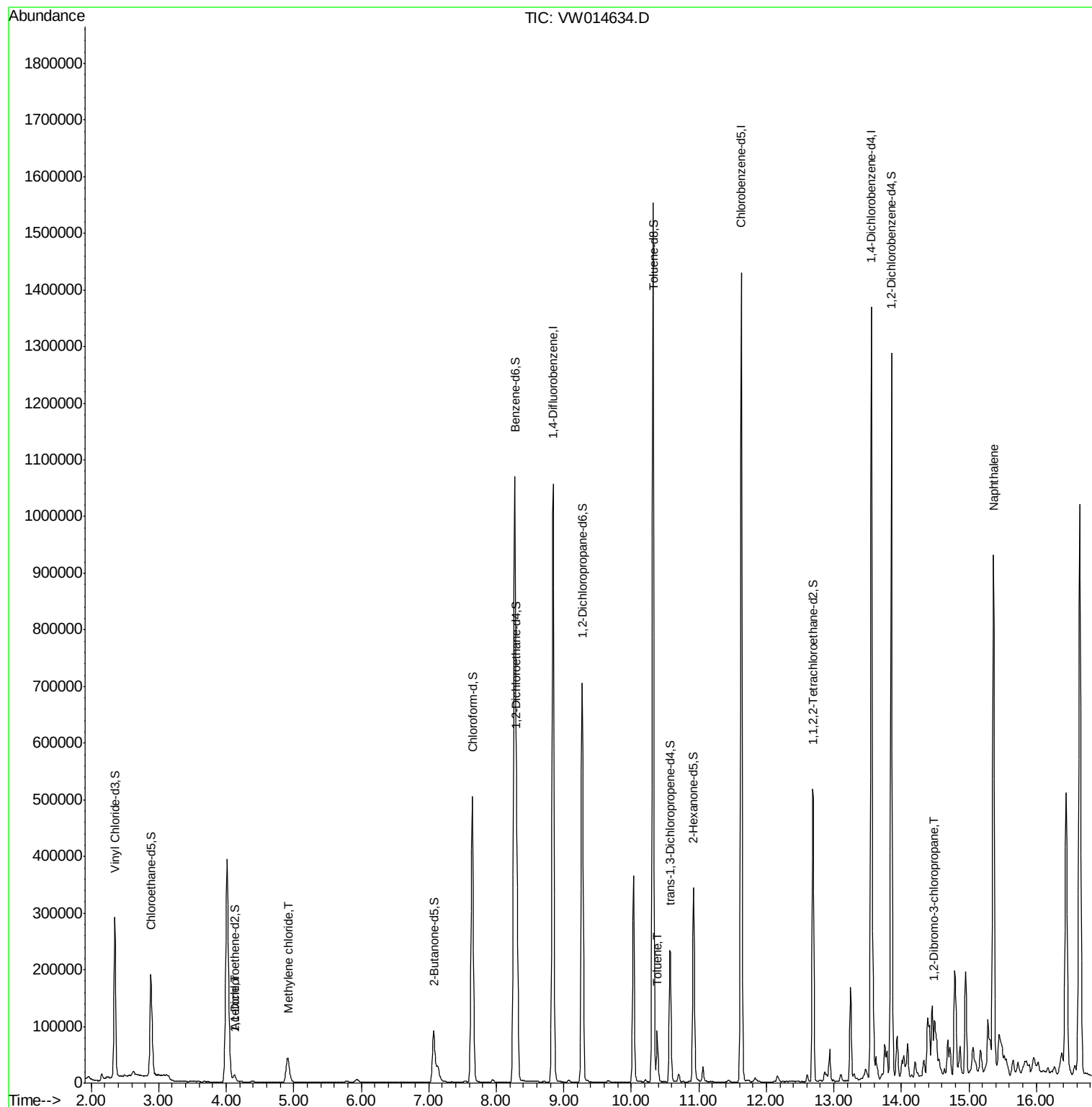
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                    | 4.12  | 43  | 20128  | 4.763 ug/L   | 99     |
| 16) Methylene chloride         | 4.91  | 84  | 37381  | 2.520 ug/L   | 94     |
| 44) Toluene                    | 10.39 | 91  | 67593  | 1.314 ug/L   | 97     |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75  | 3194   | 2.018 ug/L # | 1      |
| 69) Naphthalene                | 15.36 | 128 | 785007 | 34.343 ug/L  | 99     |

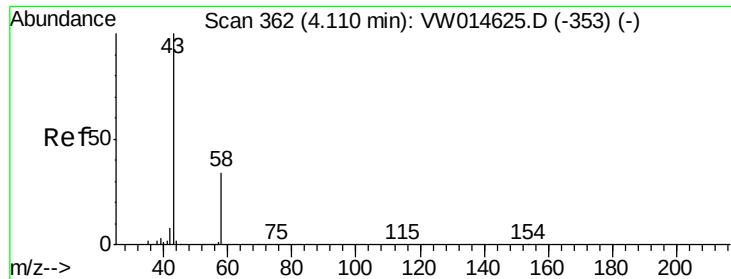
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.763 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014634.D

Acq: 14 Jan 2020 15:47

Instrument :

MSVOA\_W

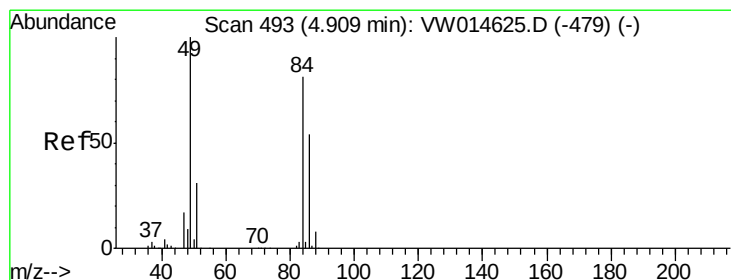
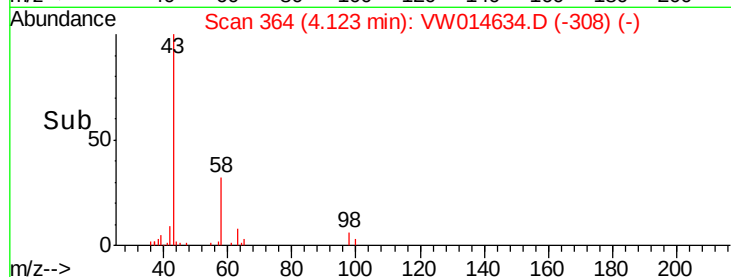
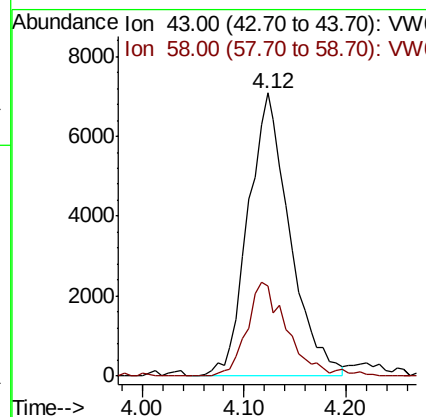
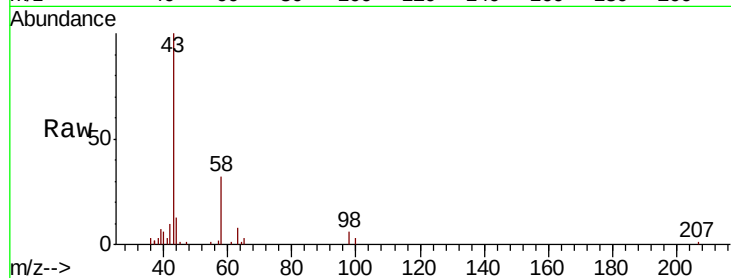
ClientSampleId :

Tot Ion: 43 Resp: 20128

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



#16

Methylene chloride

Concen: 2.520 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014634.D

Acq: 14 Jan 2020 15:47

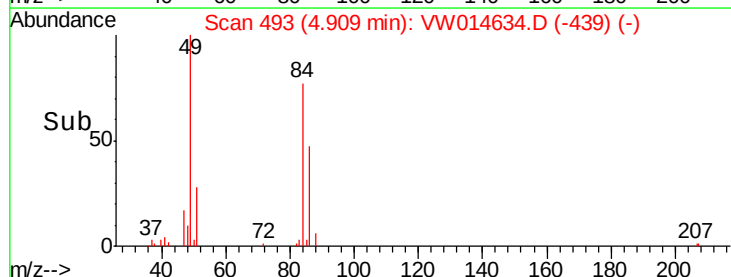
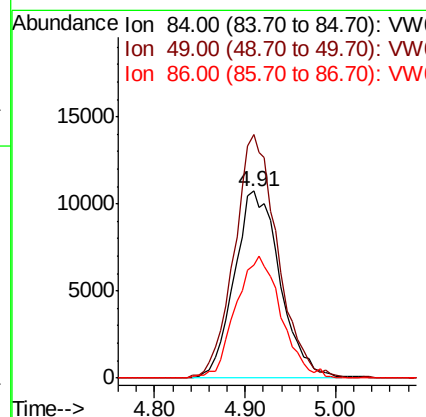
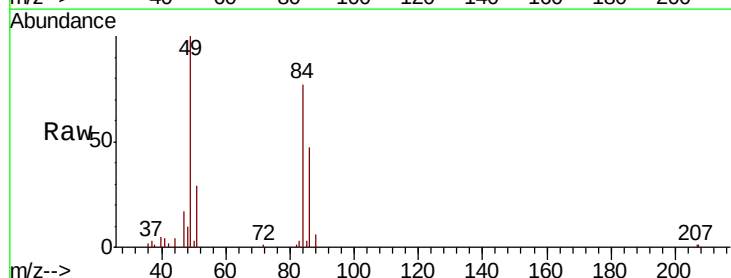
Tgt Ion: 84 Resp: 37381

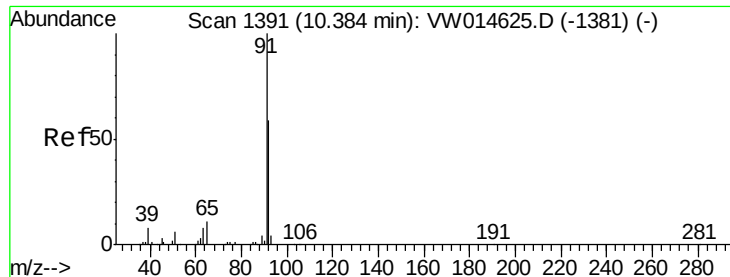
Ion Ratio Lower Upper

84 100

49 130.4 85.8 159.4

86 60.7 44.5 82.7





#44

Toluene

Concen: 1.314 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014634.D

Acq: 14 Jan 2020 15:47

Instrument :

MSVOA\_W

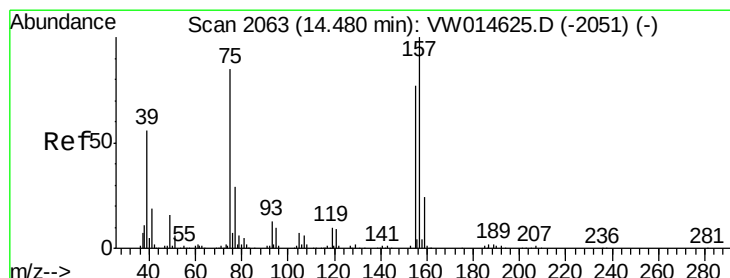
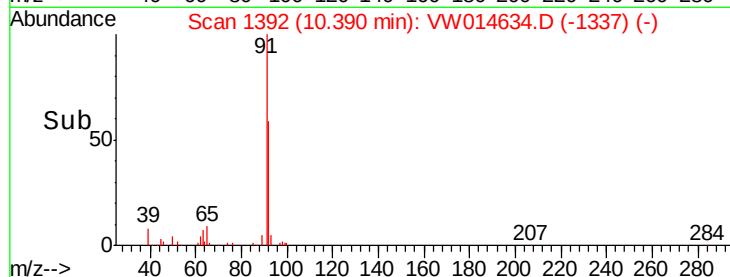
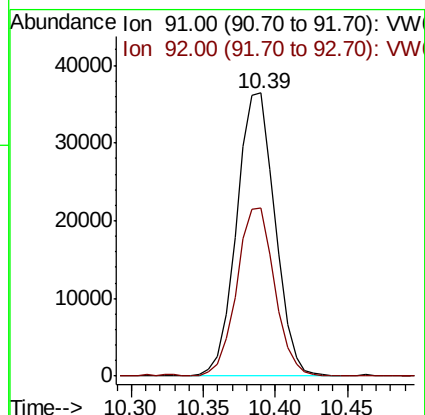
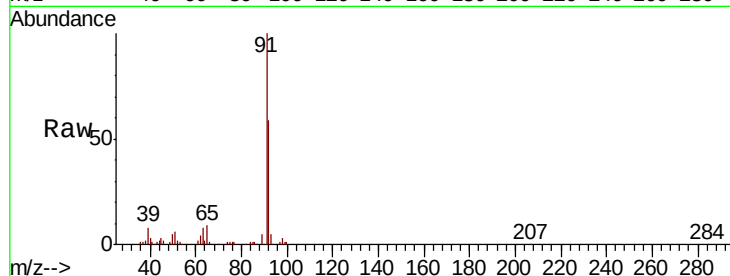
ClientSampleId :

Tot Ion: 91 Resp: 67593

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



#66

1,2-Dibromo-3-chloropropane

Concen: 2.018 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014634.D

Acq: 14 Jan 2020 15:47

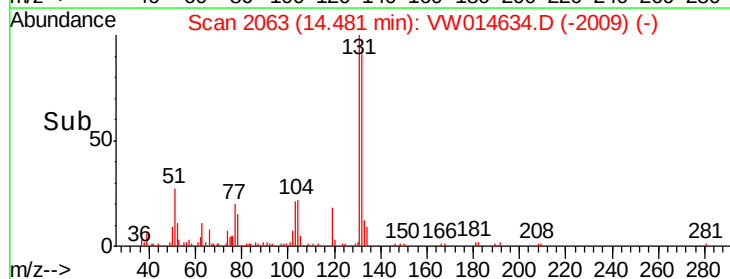
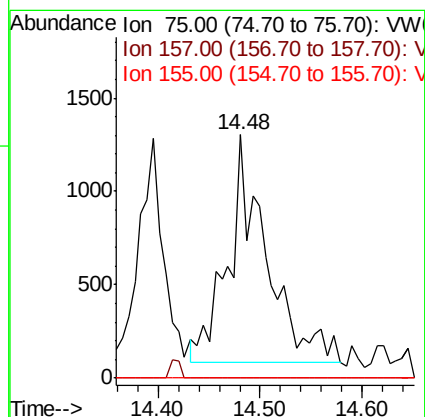
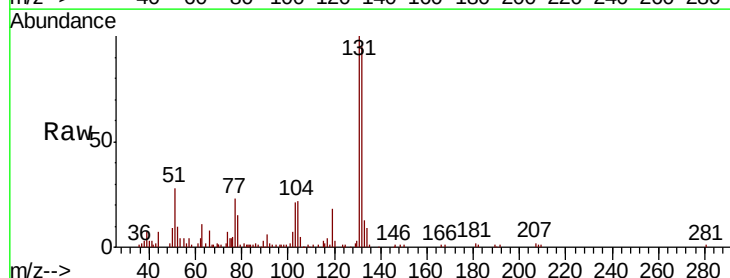
Tgt Ion: 75 Resp: 3194

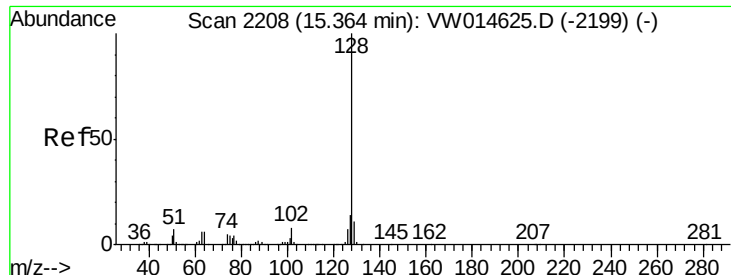
Ion Ratio Lower Upper

75 100

157 0.0 87.2 130.8#

155 0.0 67.8 101.8#





#69

Naphthalene

Concen: 34.343 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014634.D

Acq: 14 Jan 2020 15:47

Instrument :

MSVOA\_W

ClientSampleId :

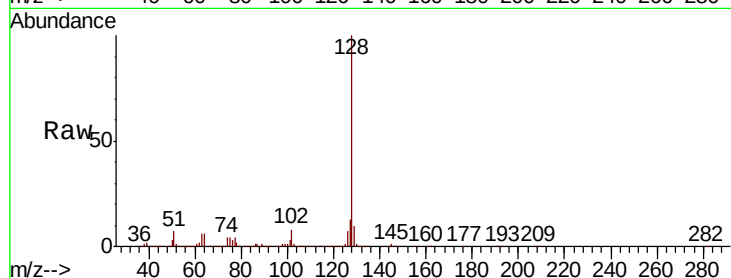
Tot Ion:128 Resp: 785007

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.9 10.6 16.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

